

Drainage / Detention Calculations (100 YEAR EVENT)
Modified Rational Method

Required Storage Volume	17,156 cubic-feet
0.394 acre-feet	
Provided Storage Volume	17,156 cubic-feet
0.394 acre-feet	

Onsite Existing Conditions

Area	3.19 acres	*Design TC from STP95(293) SH. 56
Time (Tc)	12.62 minutes	*Design C-Factor from STP95(293) SH. 56
C value	0.60	*Design Intensity from STP95(293) SH. 56
I-100yr	7.20 in/hr	
Q100yr	13.79 cfs	Onsite Existing Flow
Q100yr	1.31 cfs	Areas Bypass Pond (-)
Q100yr	12.48 cfs	Allowable Release Rate
Q25yr (T)	3.68 cfs	Undetained Offsite Flow Passing Thru Pond
Q100yr (T)	16.16 cfs	Proposed Release Rate

Onsite Proposed Conditions

Area	3.19 acres
Time (Tc)	10 minutes
C value	0.90
I-100yr	11.16 in/hr
Q100yr	32.04 cfs

Developed Runoff

Runoff per Storm Event - Developed

Time (min.)	I-100yr	C	Area (ac)	Runoff (cfs)
10	11.16	0.90	3.19	32.04
15	9.20	0.90	3.19	26.43
20	7.89	0.90	3.19	22.66
30	6.21	0.90	3.19	17.83
35	5.64	0.90	3.19	16.19
40	5.17	0.90	3.19	14.85
50	4.46	0.90	3.19	12.81
60	3.94	0.90	3.19	11.31

Max Allowable Outflow per Storm Event

Storm	Time	Release	Outflow (#'3)
10	20	12.48	7.485
15	25	12.48	9.356
20	30	12.48	11.228
30	40	12.48	14.970
35	45	12.48	16.841
40	50	12.48	18.713
50	60	12.48	22.455
60	70	12.48	26.198

Detention Volume Required

Storm	Inflow (#'3)	Outflow (#'3)	Storage (acre-ft)
10	19,224	7,485	11,739
15	23,790	9,356	14,434
20	27,186	11,228	15,959
30	32,102	14,970	17,132
35	33,997	16,841	17,156
40	35,648	18,713	16,936
50	38,426	22,455	15,971
60	40,715	26,198	14,517

Drainage / Detention Calculations (10 YEAR EVENT)
Modified Rational Method

Required Storage Volume	5,023 cubic-feet
0.115 acre-feet	
Provided Storage Volume	17,156 cubic-feet
0.394 acre-feet	

Onsite Existing Conditions

Area	3.19 acres	*Design TC from STP95(293) SH. 56
Time (Tc)	12.62 minutes	*Design C-Factor from STP95(293) SH. 56
C value	0.60	*Design Intensity from STP95(293) SH. 56
I-25yr	7.20 in/hr	
Q25yr	13.79 cfs	Onsite Existing Flow
Q25yr	0.85 cfs	Areas Bypass Pond (-)
Q25yr	12.94 cfs	Allowable Release Rate
Q25yr (T)	2.55 cfs	Undetained Offsite Flow Passing Thru Pond
Q25yr (T)	15.49 cfs	Proposed Release Rate

Onsite Proposed Conditions

Area	3.19 acres
Time (Tc)	10 minutes
C value	0.90
I-25yr	6.54 in/hr
Q25yr	18.77 cfs

Developed Runoff

Runoff per Storm Event - Developed

Time (min.)	I-10yr	C	Area (ac)	Runoff (cfs)
10	6.54	0.90	3.19	18.77
15	5.54	0.90	3.19	15.91
20	4.84	0.90	3.19	13.89
30	3.89	0.90	3.19	11.19
35	3.56	0.90	3.19	10.23
40	3.29	0.90	3.19	9.45
50	2.86	0.90	3.19	8.22
60	2.55	0.90	3.19	7.31

Max Allowable Outflow per Storm Event

Storm	Time	Release	Outflow (#'3)
10	20	12.94	7.761
15	25	12.94	9.701
20	30	12.94	11.642
30	40	12.94	15.522
35	45	12.94	17.462
40	50	12.94	19.403
50	60	12.94	23.283
60	70	12.94	27.164

Detention Volume Required

Storm	Inflow (#'3)	Outflow (#'3)	Storage (acre-ft)
10	11,263	7,761	3,502
15	14,321	9,701	4,620
20	16,665	11,642	5,023
30	20,134	15,522	4,612
35	21,489	17,462	4,026
40	22,674	19,403	3,271
50	24,675	23,283	1,392
60	26,328	27,164	(836)

Drainage / Detention Calculations (25 YEAR EVENT)
Modified Rational Method

Required Storage Volume	8,139 cubic-feet
0.187 acre-feet	
Provided Storage Volume	17,156 cubic-feet
0.394 acre-feet	

Onsite Existing Conditions

Area	3.19 acres	*Design TC from STP95(293) SH. 56
Time (Tc)	12.62 minutes	*Design C-Factor from STP95(293) SH. 56
C value	0.60	*Design Intensity from STP95(293) SH. 56
I-25yr	7.20 in/hr	
Q25yr	13.79 cfs	Onsite Existing Flow
Q25yr	0.99 cfs	Areas Bypass Pond (-)
Q25yr	12.80 cfs	Allowable Release Rate
Q25yr (T)	2.94 cfs	Undetained Offsite Flow Passing Thru Pond
Q25yr (T)	15.74 cfs	Proposed Release Rate

Onsite Proposed Conditions

Area	3.19 acres
Time (Tc)	10 minutes
C value	0.90
I-25yr	7.55 in/hr
Q25yr	21.68 cfs

Developed Runoff

Runoff per Storm Event - Developed

Time (min.)	I-25yr	C	Area (ac)	Runoff (cfs)
10	7.55	0.90	3.19	21.68
15	6.42	0.90	3.19	18.44
20	5.62	0.90	3.19	16.14
30	4.54	0.90	3.19	13.05
35	4.16	0.90	3.19	11.96
40	3.85	0.90	3.19	11.06
50	3.36	0.90	3.19	9.66
60	3.00	0.90	3.19	8.60

Max Allowable Outflow per Storm Event

Storm	Time	Release	Outflow (#'3)
10	20	12.80	7.677
15	25	12.80	9.596
20	30	12.80	11.516
30	40	12.80	15.354
35	45	12.80	17.273
40	50	12.80	19.193
50	60	12.80	23.031
60	70	12.80	26.870

Detention Volume Required

Storm	Inflow (#'3)	Outflow (#'3)	Storage (acre-ft)
10	13,011	7,677	5,333
15	16,596	9,596	7,000
20	19,364	11,516	7,848
30	23,494	15,354	8,139
35	25,118	17,273	7,844
40	26,544	19,193	7,352
50	28,965	23,031	5,934
60	30,977	26,870	4,107

Drainage / Detention Calculations (5 YEAR EVENT)
Modified Rational Method

Required Storage Volume	4,717 cubic-feet
0.108 acre-feet	
Provided Storage Volume	17,156 cubic-feet
0.394 acre-feet	

Onsite Existing Conditions

Area	3.19 acres	*Design TC from STP95(293) SH. 56
Time (Tc)	12.62 minutes	*Design C-Factor from STP95(293) SH. 56
C value	0.60	*Design Intensity from STP95(293) SH. 56
I-25yr	6.20 in/hr	
Q25yr	11.87 cfs	Onsite Existing Flow
Q25yr	0.73 cfs	Areas Bypass Pond (-)
Q25yr	11.14 cfs	Allowable Release Rate
Q25yr (T)	2.19 cfs	Undetained Offsite Flow Passing Thru Pond
Q25yr (T)	13.33 cfs	Proposed Release Rate

Onsite Proposed Conditions

Area	3.19 acres
Time (Tc)	10 minutes
C value	0.90
I-25yr	5.82 in/hr
Q25yr	16.71 cfs

Developed Runoff

Runoff per Storm Event - Developed

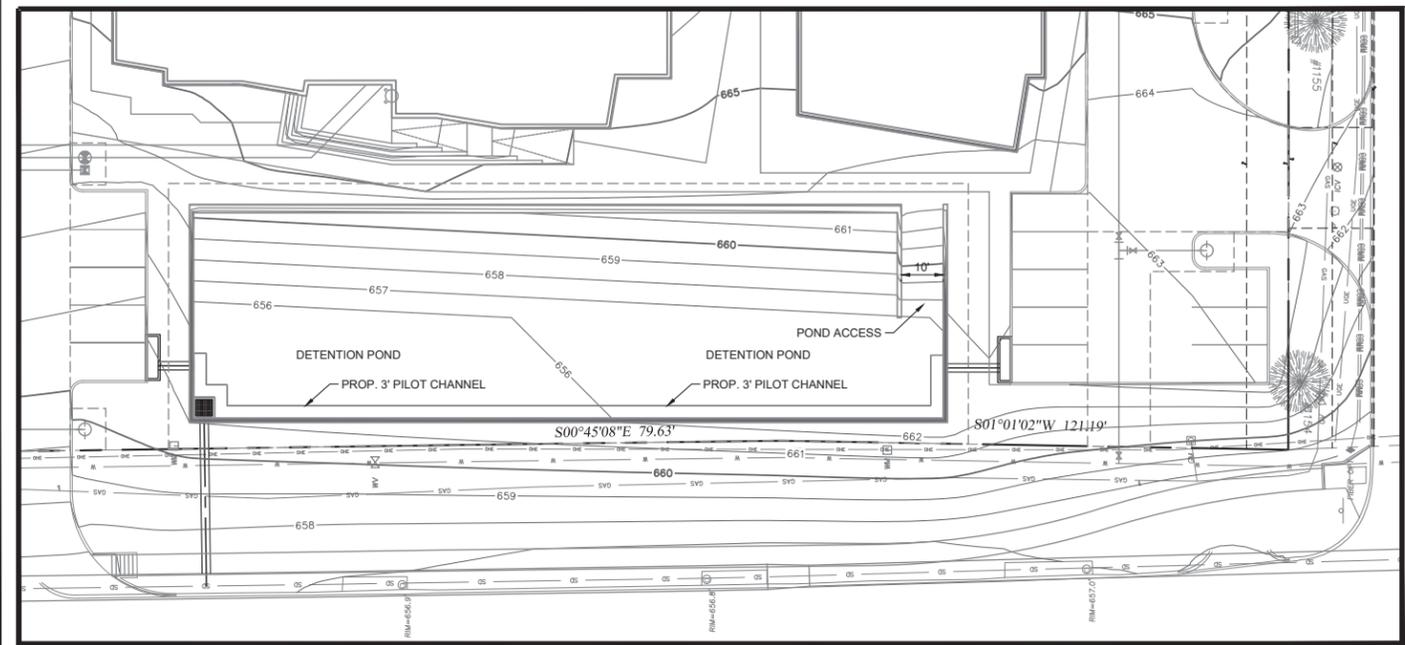
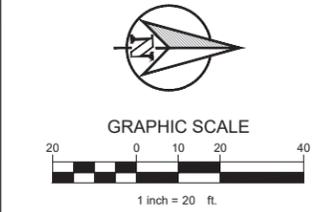
Time (min.)	I-5yr	C	Area (ac)	Runoff (cfs)
10	5.82	0.90	3.19	16.71
15	4.91	0.90	3.19	14.11
20	4.28	0.90	3.19	12.29
30	3.43	0.90	3.19	9.85
35	3.13	0.90	3.19	9.00
40	2.89	0.90	3.19	8.29
50	2.51	0.90	3.19	7.20
60	2.22	0.90	3.19	6.39

Max Allowable Outflow per Storm Event

Storm	Time	Release	Outflow (#'3)
10	20	11.14	6.684
15	25	11.14	8.355
20	30	11.14	10.026
30	40	11.14	13.369
35	45	11.14	15.040
40	50	11.14	16.711
50	60	11.14	20.053
60	70	11.14	23.395

Detention Volume Required

Storm	Inflow (#'3)	Outflow (#'3)	Storage (acre-ft)
10	10,023	6,684	3,339
15	12,703	8,355	4,348
20	14,743	10,026	4,717
30	17,737	13,369	4,368
35	18,897	15,040	3,857
40	19,908	16,711	3,197
50	21,606	20,053	1,553
60	23,001	23,395	(394)

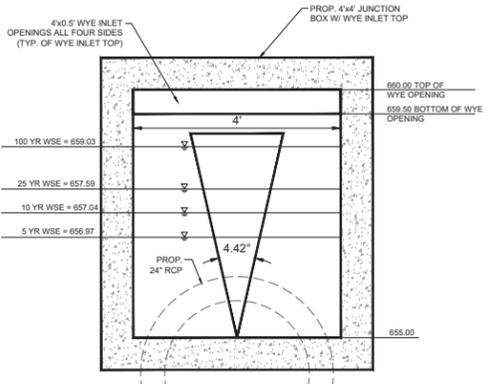


Proposed Detention Pond Evaluation

Elevation	Area (sf)	Ac	Elevation Difference	Incremental Volume (ft ³)	Cumulative Volume (ft ³)	Cumulative Volume (ac-ft)
655.00	0	0.00				
656.00	2268	0.05	1.00	1134	1134	0.026
656.97			1.00	3690	4824	0.111
657.00	5112	0.12				
657.04			1.00	5578	10403	0.239
657.59						
658.00	6044	0.14				
659.00			1.00	6509	16912	0.388
659.03	6974	0.16				
660.00	7906	0.18	1.00	7440	24352	0.559
660.00						
660.00						

OUTFALL STAGING TABLE

DESIGN STORM	ELEVATION	ORIFICE A	TOTAL RELEASE (cfs)
	655	0	0
	656	0.5	0.5
5 YR WSE	656.97	2.7	2.7
	657	2.8	2.8
10 YR WSE	657.04	2.95	2.95
25 YR WSE	657.59	5.35	5.35
	658	7.73	7.73
	659	15.86	15.86
100 YR WSE	659.03	16.16	16.16
	660	27.71	27.71



NOTES:
1. CONCRETE COLLARS SHALL BE CONSTRUCTED AT ALL PROPOSED PIPE TO EXISTING CONCRETE PIPE CONNECTIONS. AT ALL CONCRETE PIPE SIZE CHANGES, AT ALL CONCRETE PIPE FITS AND AT ALL CONCRETE PIPE JOINTS WITH MORE THAN HALF THE PIPE TONGUE EXPOSURE.



PRELIMINARY
FOR REVIEW ONLY
Not for construction purposes.
CLAYMOORE ENGINEERING
ENGINEERING AND PLANNING
CONSULTANTS
Engineer: MATT MOORE
P.E. No. 95813, Date 7/22/2019

**NORTHSTAR
DERMATOLOGY
PRECINCT LINE RD
NORTH RICHLAND HILLS, TX**

NO.	DATE	REVISION	BY

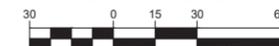
GRADING PLAN

DESIGN: CWP
DRAWN: CWP
CHECKED: MAM
DATE: 6/26/2018
SHEET
C-5
File No. X

PLOTTED BY: DREW DONOSKY
PLOT DATE: 7/19/2019 9:21 AM
LOCATION: C:\USERS\DONOSKY\DESKTOP\2018-075 NORTHSTAR DERMATOLOGY\CAOD\SHEETS\C-10 DETENTION POND PLAN.DWG
LAST SAVED: 7/18/2019 8:22 PM



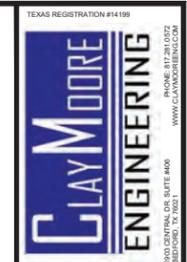
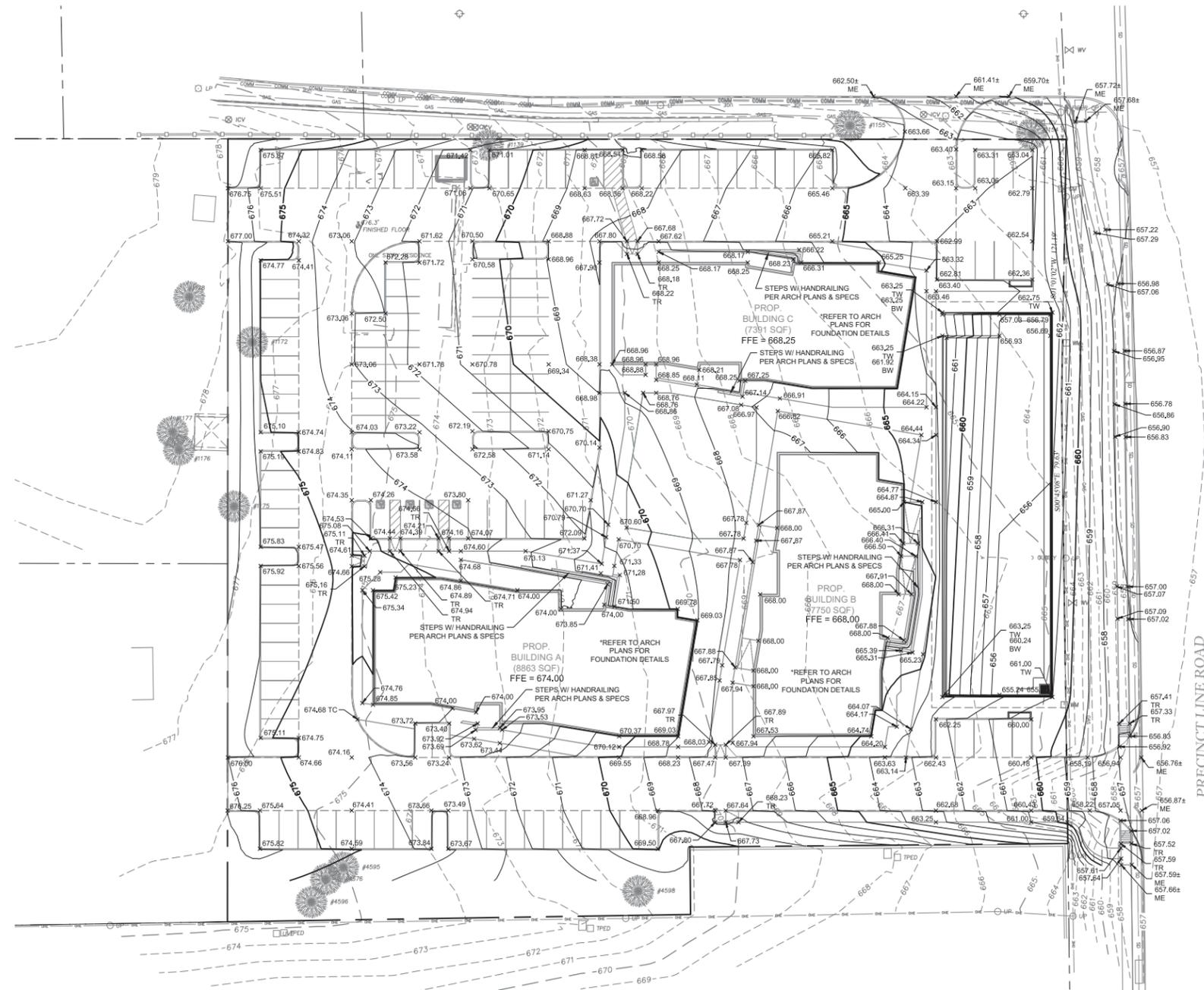
GRAPHIC SCALE



1 inch = 30 ft.

LEGEND	
---695---	EXISTING CONTOUR
---	PROPOSED CONTOUR
x699.50	PROPOSED GRADE (TOP OF PAVEMENT)
ME	MATCH EXISTING
TW	TOP OF WALL
BW	BOTTOM OF WALL
TG	TOP OF GRATE

- NOTES:
1. ALL SPOT ELEVATIONS ARE TO TOP OF PAVING UNLESS OTHERWISE NOTED.
 2. EXISTING UTILITIES WERE OBTAINED FROM RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF EXISTING UTILITIES AND NOTIFY THE ENGINEER FOR ANY DISCREPANCIES WITH THIS PLAN.
 3. MAXIMUM SLOPE IN LANDSCAPE AREAS ARE NOT TO EXCEED 4:1; MIN EARTH GRADE IS 1%; MIN PAVING GRADE IS 0.5%.
 4. ALL CURB HEIGHTS ARE 6-INCHES UNLESS NOTED OTHERWISE.
 5. REFER TO GEOTECHNICAL REPORT FOR REQUIREMENTS REGARDING FILL COMPACTION AND MOISTURE CONTENT.
 6. REF. STRUCTURAL PLANS, SPECIFICATIONS, AND GEOTECHNICAL REPORT FOR ALL BUILDING PAD PREPARATION CRITERIA.
 7. THE CONTRACTOR SHALL CONSTRUCT ALL BARRIER FREE RAMPS PER CITY OF NORTH RICHLAND HILLS AND ADA STANDARDS.
 8. GRADING FOR ALL SIDEWALKS AND ACCESSIBLE ROUTES INCLUDING CROSSING DRIVEWAYS SHALL CONFORM TO ADA STANDARDS. SLOPES SHALL NOT EXCEED 5% LONGITUDINAL SLOPE OR 2% CROSS SLOPE. SIDEWALK ACCESS TO EXTERNAL BUILDING DOORS SHALL BE ADA COMPLIANT. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF ADA CRITERIA CANNOT BE MET AT ANY LOCATION.
 9. GRADING OF ALL HANDICAPPED SPACES AND ROUTES IS TO CONFORM TO LOCAL, STATE, AND FEDERAL GUIDELINES. CONTRACTOR SHALL ADJUST EXISTING VALVES, MANHOLE RIMS, ETC. AS NECESSARY TO MATCH FINISHED GRADE.
 10. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM EXISTING & PROPOSED BUILDINGS.



PRELIMINARY
 FOR REVIEW ONLY
 Not for construction purposes.
 CLAYMOORE ENGINEERING
 ENGINEERING AND PLANNING
 CONSULTANTS
 Engineer: MATT MOORE
 P.E. No. 35813 - Date 7/22/2019

**NORTHSTAR
 DERMATOLOGY**
 PRECINCT LINE RD
 NORTH RICHLAND HILLS, TX

NO.	DATE	REVISION	BY

GRADING PLAN

DESIGN: CWP
 DRAWN: CWP
 CHECKED: MAM
 DATE: 6/26/2019

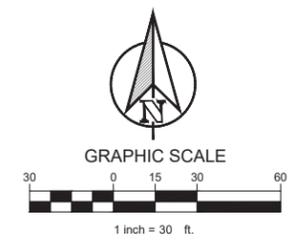
SHEET
C-5

File No. X

PLOTTED BY: DREW DONOSKY
 PLOT DATE: 7/19/2019 9:21 AM
 LOCATION: C:\USERS\DDONOSKY\DESKTOP\2018-075 NORTHSTAR DERMATOLOGY\CAOD\SHEETS\C-6 GRADING PLAN.DWG
 LAST SAVED: 7/18/2019 8:22 PM

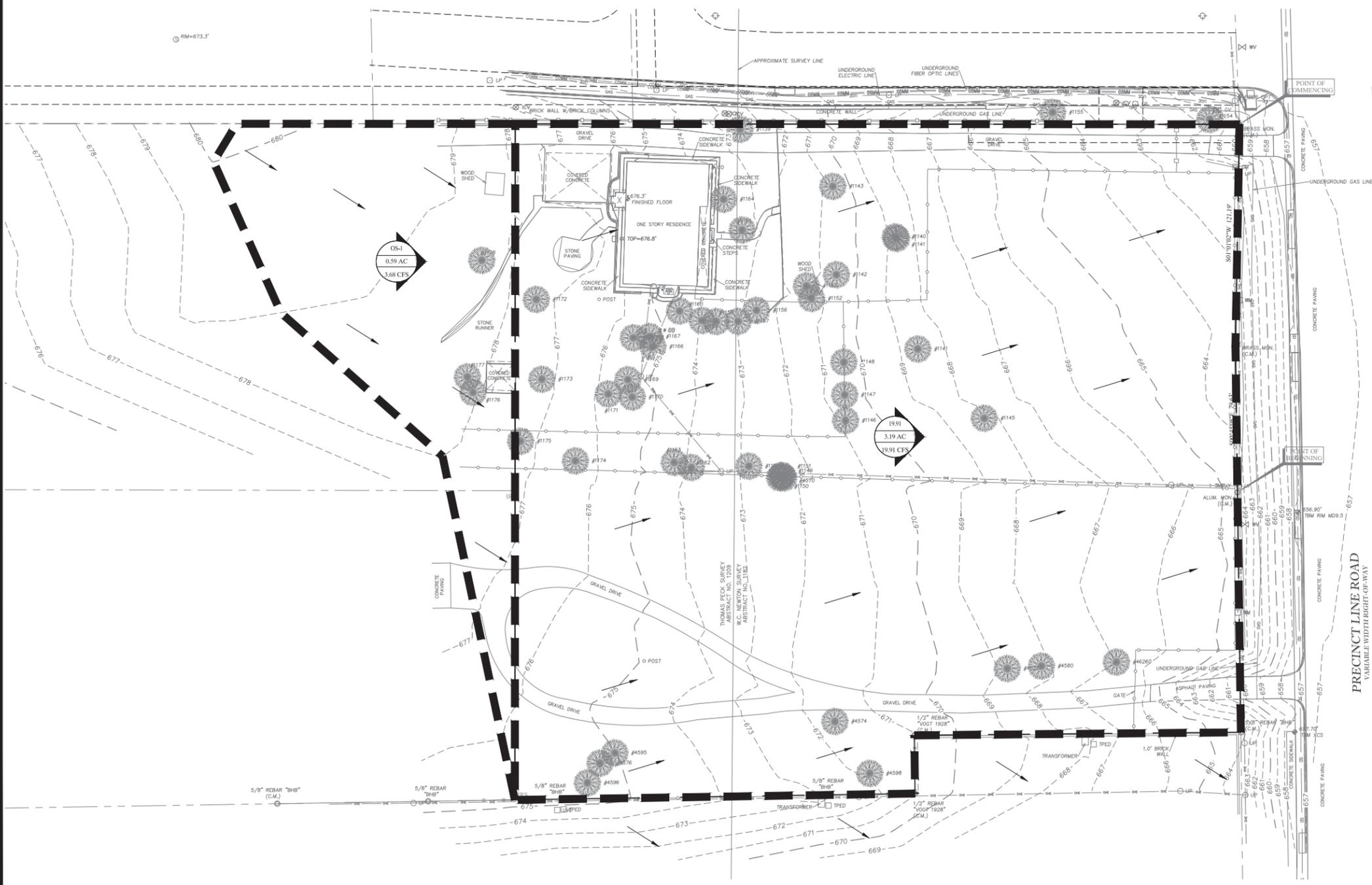
HYDROLOGIC CALCULATIONS - PRE DEVELOPED												
DRAINAGE AREA	AREA (AC.)	T/C (MIN)	C	I _s (IN/HR)	Q _s (CFS)	I ₁₀ (IN/HR)	Q ₁₀ (CFS)	I ₂₅ (IN/HR)	Q ₂₅ (CFS)	I ₅₀ (IN/HR)	Q ₅₀ (CFS)	COMMENTS
A-1	3.19	12.62	0.60	6.20	11.87	7.20	13.79	8.30	15.89	10.40	19.91	DRAINAGE TO PRECINCT LINE ROAD
ONSITE DRAINAGE	3.19				11.87		13.79		15.89		19.91	
OS-1	0.59	12.62	0.60	6.20	2.19	7.20	2.95	8.30	2.94	10.40	3.68	DRAINAGE TO PRECINCT LINE ROAD
OFFSITE DRAINAGE	0.59				2.19		2.55		2.94		3.68	
TOTAL DRAINAGE	3.78				14.07		16.33		18.83		23.59	

*TXDOT STORM SYSTEM DESIGNED FOR 10 YEAR STORM. DETENTION CALCULATIONS ARE BASED ON ONLY RELEASING FLOW BASED ON A 10 YEAR RAINFALL EVENT.



FLOODPLAIN NOTE
 ACCORDING TO MAP NO. 4812100675G, DATED APRIL 18, 2011 OF THE NATIONAL FLOOD INSURANCE PROGRAM MAP, FLOOD INSURANCE RATE MAP OF TARRANT COUNTY, TEXAS, FEDERAL EMERGENCY MANAGEMENT AGENCY, FEDERAL INSURANCE ADMINISTRATION, THIS PROPERTY IS WITHIN ZONE "X" (UNSHADED) AND IS NOT WITHIN A SPECIAL FLOOD HAZARD AREA.

LEGEND	
	DRAINAGE AREA
	DRAINAGE AREA IN ACRES
	FLOW FOR DRAINAGE AREA IN CFS
	DRAINAGE AREA BOUNDARY



PLOTTED BY: DREW DONGSKY
 PLOT DATE: 7/19/2019 9:21 AM
 LOCATION: C:\USERS\DDONGSKY\DESKTOP\2018-075 NORTHSTAR DERMATOLOGY\CADD\SHEETS\C-7 EXISTING DRAINAGE AREA MAP.DWG
 LAST SAVED: 7/18/2019 8:22 PM



PRELIMINARY
 FOR REVIEW ONLY
 Not for construction purposes.
 CLAYMOORE ENGINEERING
 ENGINEERING AND PLANNING
 CONSULTANTS
 Engineer: MATT MOORE
 P.E. No. 95813, Date 7/22/2019

**NORTHSTAR
 DERMATOLOGY**
 PRECINCT LINE RD
 NORTH RICHLAND HILLS, TX

No.	DATE	REVISION	BY

EXISTING DRAINAGE AREA MAP

DESIGN: CWP
 DRAWN: CWP
 CHECKED: MAM
 DATE: 8/28/2018

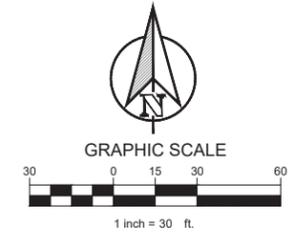
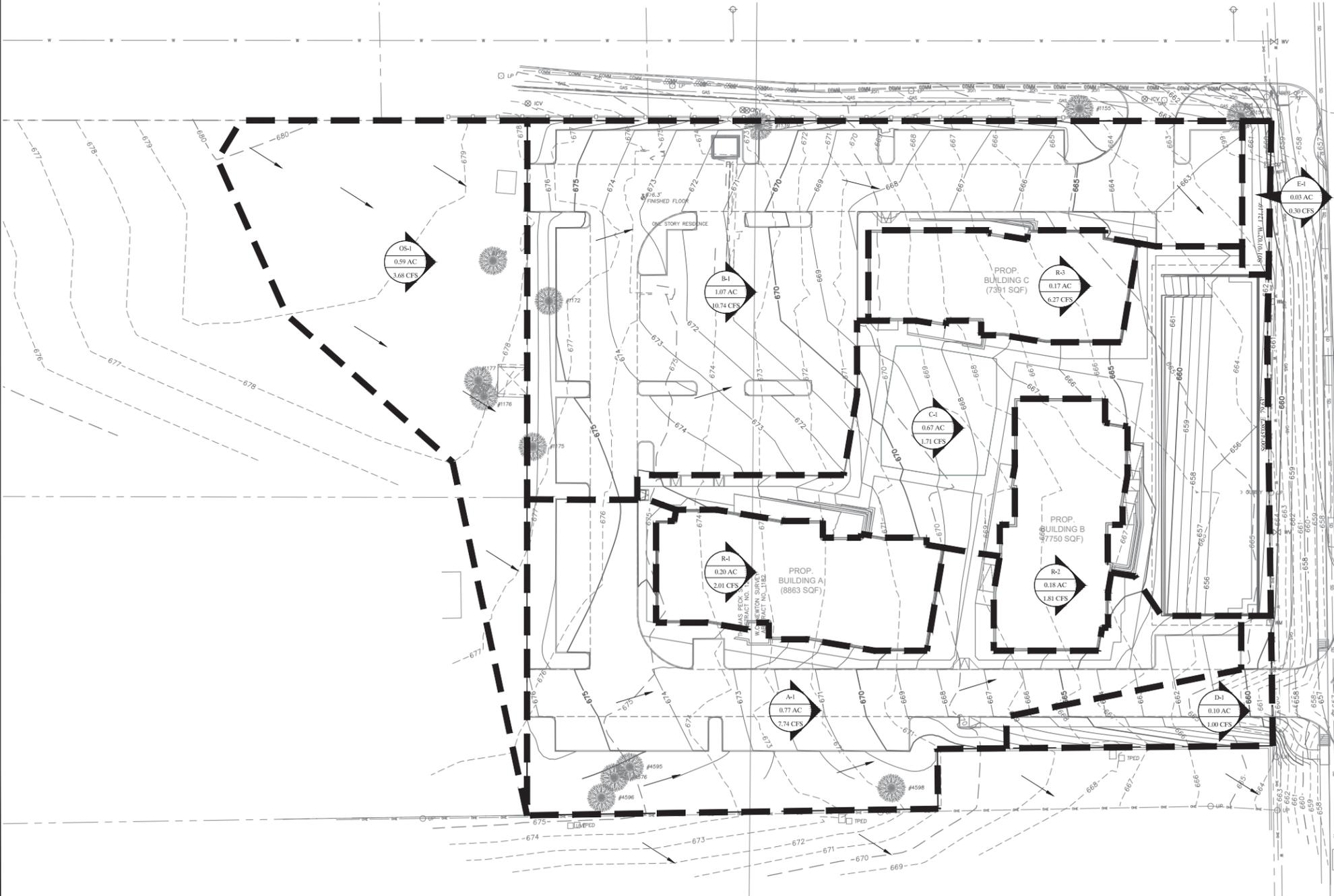
SHEET
C-7

Exhibit C - Special Use Permit Exhibits - Ordinance No. 3610 - Page 4 of 7

HYDROLOGIC CALCULATIONS - POST DEVELOPED

DRAINAGE AREA	AREA (AC.)	TC (MIN)	C	I _s (IN/HR)	Q _s (CFS)	I ₁₀ (IN/HR)	Q ₁₀ (CFS)	I ₂₄ (IN/HR)	Q ₂₄ (CFS)	I ₆₀ (IN/HR)	Q ₆₀ (CFS)	COMMENTS
A-1	0.77	10	0.90	8.20	4.30	7.24	5.02	8.46	5.87	11.16	7.74	PROPOSED WYE INLET TOP
B-1	1.07	10	0.90	8.20	5.97	7.24	6.97	8.46	8.15	11.16	10.74	SHEET FLOWS INTO POND
C-1	0.67	10	0.90	8.20	3.74	7.24	4.36	8.46	5.10	11.16	6.73	PROPOSED CURB INLET
D-1	0.10	10	0.90	8.20	0.56	7.24	0.65	8.46	0.76	11.16	1.00	PROPOSED CURB INLET
E-1	0.03	10	0.90	8.20	0.17	7.24	0.20	8.46	0.23	11.16	0.30	PROPOSED CURB INLET
R-1	0.20	10	0.90	8.20	1.12	7.24	1.30	8.46	1.52	11.16	2.01	PROPOSED CURB INLET
R-2	0.18	10	0.90	8.20	1.00	7.24	1.17	8.46	1.37	11.16	1.81	EXTENSION OF EXISTING 45" RCP
R-3	0.17	10	0.90	8.20	0.95	7.24	1.11	8.46	1.29	11.16	1.71	PROPOSED CURB INLET
ONSITE DRAINAGE	3.19				17.81		20.79		24.30		32.04	
OS-1	0.59	12.62	0.60	6.20	2.19	7.20	2.55	8.30	2.94	10.40	3.68	DRAINS TO PRECINCT LINE ROAD
OFFSITE DRAINAGE	0.59				2.19		2.55		2.94		3.68	
TOTAL DRAINAGE	3.78				20.00		23.33		27.23		35.72	

*XDOT STORM SYSTEM DESIGNED FOR 10 YEAR STORM. DETENTION CALCULATIONS ARE BASED ON ONLY RELEASING FLOW BASED ON A 10 YEAR RAINFALL EVENT.



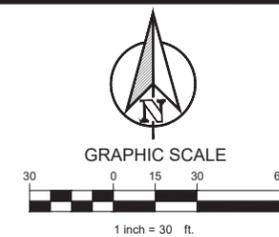
FLOODPLAIN NOTE

ACCORDING TO MAP NO. 4812100675G, DATED APRIL 18, 2011 OF THE NATIONAL FLOOD INSURANCE PROGRAM MAP, FLOOD INSURANCE RATE MAP OF TARRANT COUNTY, TEXAS, FEDERAL EMERGENCY MANAGEMENT AGENCY, FEDERAL INSURANCE ADMINISTRATION, THIS PROPERTY IS WITHIN ZONE "X" (UNSHADED) AND IS NOT WITHIN A SPECIAL FLOOD HAZARD AREA.

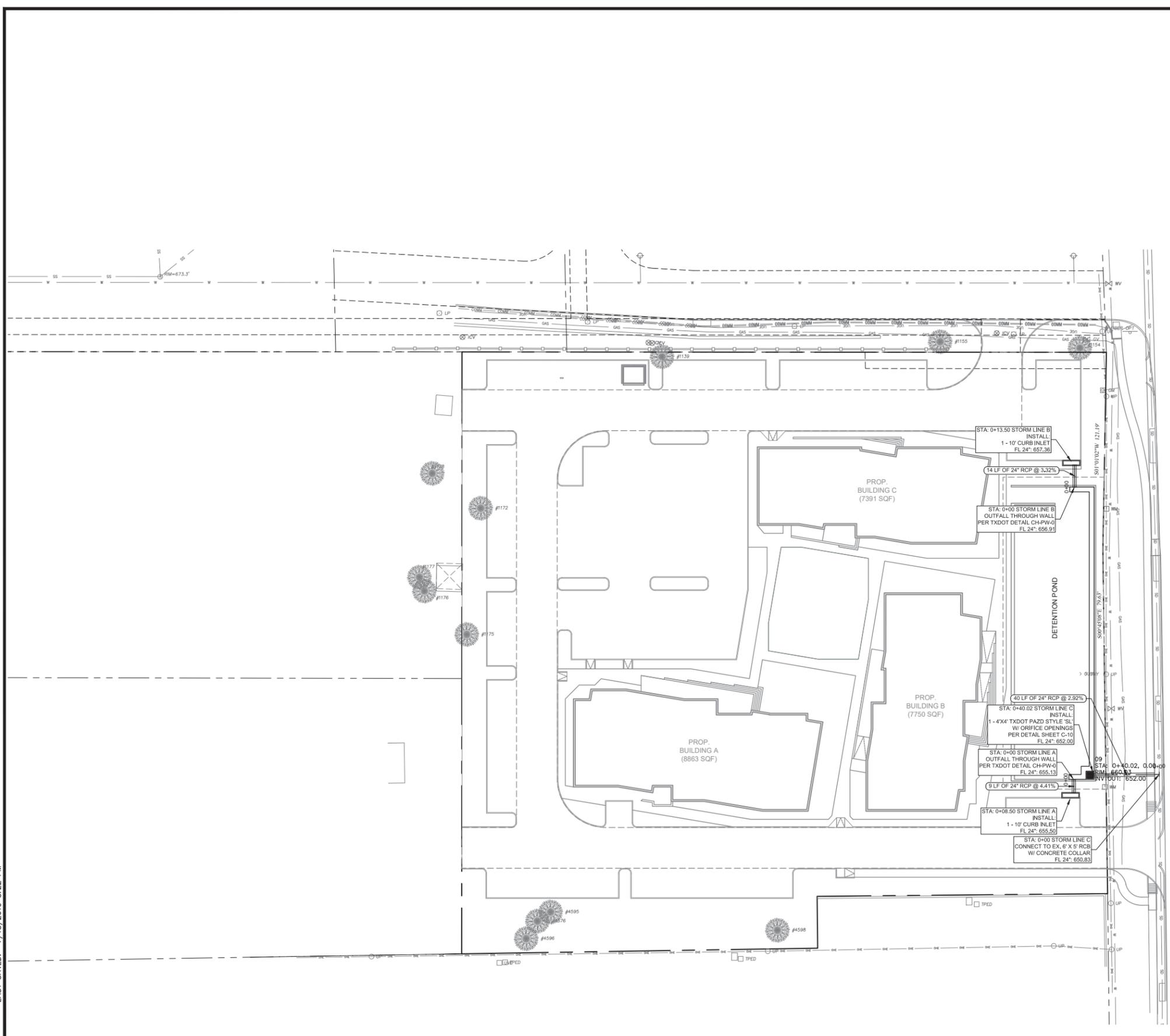
LEGEND

	- DRAINAGE AREA
	- DRAINAGE AREA IN ACRES
	- FLOW FOR DRAINAGE AREA IN CFS
	- DRAINAGE AREA BOUNDARY

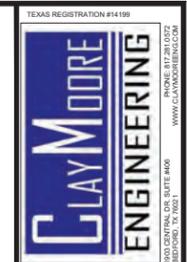




LEGEND	
	EXISTING STORM DRAIN
	PROPOSED STORM DRAIN
	PROPOSED WYE INLET
	PROPOSED CURB INLET
	ROOF DRAIN, 8" FL: 700.00 (TYP.)



PLOTTED BY: DREW DONGSKY
 PLOT DATE: 7/19/2019 9:21 AM
 LOCATION: C:\USERS\DDONGSKY\DESKTOP\2018-075 NORTHSTAR DERMATOLOGY\CADD\SHEETS\C-9 STORM DRAIN PLAN.DWG
 LAST SAVED: 7/18/2019 8:22 PM



PRELIMINARY
 FOR REVIEW ONLY
 Not for construction purposes.
 CLAYMOORE ENGINEERING
 ENGINEERING AND PLANNING
 CONSULTANTS
 Engineer: MATT MOORE
 P.E. No. 35813 - Date 7/22/2019

**NORTHSTAR
 DERMATOLOGY**
 PRECINCT LINE RD
 NORTH RICHLAND HILLS, TX

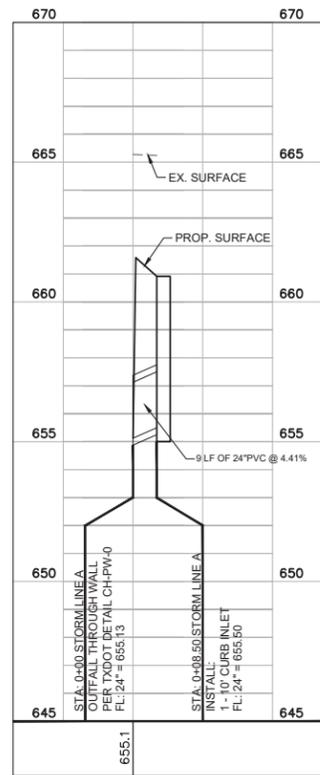
No.	DATE	REVISION	BY

STORM DRAIN PLAN

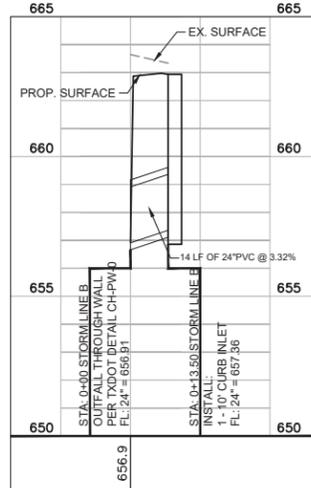
DESIGN: CWP
 DRAWN: CWP
 CHECKED: MAM
 DATE: 8/28/2018

SHEET
C-9

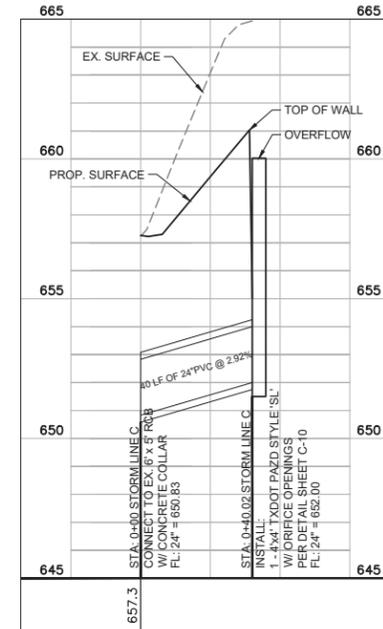
File No. X



0+00
STORM LINE A
SCALE H: 1" = 30'
SCALE V: 1" = 3'
(PRIVATE)



0+00
STORM LINE B
SCALE H: 1" = 30'
SCALE V: 1" = 3'
(PRIVATE)



0+00
STORM LINE C
SCALE H: 1" = 30'
SCALE V: 1" = 3'
(PRIVATE)

LINE	STA	INCREMENTAL AREA	CUMULATIVE AREA	RUNOFF COEFFICIENT	INCREMENTAL CA	CUMULATIVE CA	INLET TIME	FLOW TIME IN PIPE	TIME OF CONCENTRATION	INTENSITY	100 YR STORM DRAIN CALCULATIONS										HGL		INVERT												
											Q	V	DEPTH	VELOCITY	WAVELENGTH	WAVE PERIOD	WAVE VELOCITY	WAVE NUMBER	WAVE PERIOD	WAVE VELOCITY	WAVE NUMBER	INCOMING PIPE	OUTGOING PIPE	INCOMING PIPE	OUTGOING PIPE										
LINE A	0+00.00	POND	0.77		0.69			0.02	10.02	11.16	8.50	7.73	24	2	3.14	0.500	0.013	0.74%	20.11	7.46	6.40	0.385	0.93	0.43	0.86	5.98	0.12%	0.09			559.03		655.13		
	0+08.50	DA A-1	0.77	0.90	0.69		10.00		10.00	11.16																									
LINE B	0+00.00	POND	1.07		0.96			0.03	10.03	11.16	13.50	10.75	24	2	3.14	0.500	0.013	1.63%	28.88	3.42	9.19	0.372	0.92	0.42	0.84	8.49	0.22%	0.18			559.03		656.91		
	0+13.50	DA B-1	1.07	0.90	0.96		10.00		10.00	11.16																									
LINE C	0+00.00	6x5 RCB	3.78		2.27			0.08	10.08	11.16	40.02	25.31	24	2	3.14	0.500	0.013	12.31%	79.37	8.06	25.26	0.319	0.88	0.38	2.00	22.22	1.25%	1.01			656.90		650.83		
	0+40.02	POND	3.78	0.60	2.27		10.00		10.00	11.16																									



PRELIMINARY
FOR REVIEW ONLY
Not for construction purposes.
CLAYMOORE ENGINEERING
ENGINEERING AND PLANNING
CONSULTANTS
Engineer: MATT MOORE
P.E. No. 95813, Date 7/22/2019

**NORTHSTAR
DERMATOLOGY**
PRECINCT LINE RD
NORTH RICHLAND HILLS, TX

NO.	DATE	REVISION	BY

STORM DRAIN PROFILES

DESIGN: CWP
DRAWN: CWP
CHECKED: MAM
DATE: 6/26/2018

SHEET
C-9

File No. X

PLOTTED BY: DREW DONOSKY
 PLOT DATE: 7/19/2019 9:21 AM
 LOCATION: C:\USERS\DDONOSKY\DESKTOP\2018-075 NORTHSTAR DERMATOLOGY\CADD\SHEETS\C-11 STORM DRAIN PROFILES.DWG
 LAST SAVED: 7/18/2019 8:22 PM

