

# PEYTON ESTATES

## UNIT SEVEN

BEING A PORTION OF C.D. STEWART SURVEY NO. 318,  
EL PASO COUNTY, TEXAS  
CONTAINING IN ALL 3,119,183.40 SQ.FT. OR 71.607  
ACRES OF LAND MORE OR LESS

### DRAINAGE REPORT

PEYTON ESTATES UNIT SEVEN LIES ON UNDEVELOPED DESERT LAND COVERED IN DESERT VEGETATION. THE TERRAIN SLOPES FROM NORTH TO SOUTH TO TWO EXISTING LOW POINTS IMMEDIATELY NORTH OF ROJAS DRIVE. ALL STORM WATER RUN-OFF FROM RESIDENTIAL LOTS, LOCAL STREETS, A PARK, AND COMMERCIAL LOT WILL BE CONVEYED BY SURFACE FLOW DIRECTED TO A SERIES OF NEW DRAINAGE INLET STRUCTURES. THE RUNOFF IS COLLECTED AND CONVEYED BY MEANS OF NEW STORM SEWER SYSTEMS TO DISCHARGE INTO TWO NEW RETENTION BASINS IMMEDIATELY NORTH OF ROJAS DRIVE. THE TWO NEW RETENTION BASINS, POND 1 AND POND 2, LIE WITHIN THE SUBDIVISION BOUNDARIES AND ARE DESIGNED WITH SUFFICIENT CAPACITY TO RETAIN A 100-YEAR STORM RAINFALL.

THE PROPOSED DEVELOPMENT IS DIVIDED INTO SEVERAL DRAINAGE AREAS. DRAINAGE AREAS 1 THRU 4, 6, AND 12 THRU 14, INCLUDE RESIDENTIAL LOTS, INTERIOR STREETS, A PROPOSED PARK, A COMMERCIAL LOT AND A PORTION OF ROJAS DRIVE, THAT WILL DISCHARGE INTO RETENTION BASIN POND 1. DRAINAGE AREAS 5, AND 7 THRU 10 INCLUDE RESIDENTIAL LOTS AND INTERIOR STREETS THAT WILL DISCHARGE INTO RETENTION BASIN POND 2.

DRAINAGE AREA 11 IS IN THE NORTHEASTERLY PORTION OF THE DEVELOPMENT AND CONTAINS DEVELOPED STORM WATER RUN-OFF FROM RESIDENTIAL LOTS AND INTERIOR STREETS. THE DEVELOPED FLOW FROM DRAINAGE AREA 11 WILL BE CONVEYED BY SURFACE FLOW IN AN EASTERLY DIRECTION THROUGH THE ESTATES AT EMERALD PARK UNIT FOUR AND DISCHARGE INTO AN EXISTING RETENTION BASIN IN THE ESTATES AT EMERALD PARK UNIT TWO.

THE ABOVE MEASURES PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS, AVOIDS CONCENTRATING RUNOFF ONTO OTHER LOTS, AND COORDINATES INDIVIDUAL LOT DRAINAGE WITH THE GENERAL STORM DRAINAGE PATTERN FOR THE AREA. THE DRAINAGE MAP AT THE BOTTOM ILLUSTRATES FLOW PATTERNS AND DRAINAGE INFRASTRUCTURE LOCATION.

GRADING AND DRAINAGE PLANS FOR THIS SUBDIVISION ARE REFERENCED IN CASE ID#19-014 AT THE EL PASO COUNTY PUBLIC WORKS DEPARTMENT.

### CERTIFICATION

UNDER LOCAL GOVT. CODE 232.021(4) "FLOODPLAIN" MEANS ANY AREA IN THE 100-YEAR FLOODPLAIN THAT IS SUSCEPTIBLE TO BEING INUNDATED BY WATER FROM ANY SOURCE OR THAT IS IDENTIFIED BY FEMA UNDER THE NATIONAL FLOOD INSURANCE ACT. BY MY SIGNATURE BELOW, I CERTIFY THAT PEYTON ESTATES UNIT SEVEN SUBDIVISION LIES WITHIN A FLOOD ZONE DESIGNATION OF "X" (EXPLAINED AS AREAS OF 100-YEAR FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE, AND AREAS PROTECTED BY LEVEES FROM THE 100-YEAR FLOOD) AS DESIGNATED IN PANEL 480212 02378 DATED SEPTEMBER 4, 1991 OF THE FLOOD INSURANCE RATE MAPS, EL PASO COUNTY, TEXAS.

### DRAINAGE IMPROVEMENTS

I CERTIFY THAT THE ESTIMATED COST TO INSTALL UN CONSTRUCTED DRAINAGE IMPROVEMENTS DESCRIBED ABOVE ARE AS FOLLO. THE DRAINAGE IMPROVEMENTS WILL BE CONSTRUCTED IN ACCORDANCE WITH THE PASEO DEL ESTE MUNICIPAL UTILITY DISTRICT NO. 1 (PDEMUD1) SPECIFICATIONS AT AN ESTIMATED COST OF \$710,934 FOR THE SUBDIVISION.

JOSE HERNANDEZ, P.E.  
H2O TERRA  
TEXAS REGISTERED  
ENGINEERING FIRM F-2103



### REPORTE DE DESAGUE

EL FRACCIONAMIENTO PEYTON ESTATES UNIT SEVEN SE ENCUENTRA EN TERRENO DESERTICO CUBIERTO POR VEGETACION Y SIN DESARROLLO URBANO. LA PENDIENTE DEL TERRENO VA DE NORTE A SUR HACIA DOS PUNTOS INMEDIATAMENTE AL NORTE DE ROJAS DRIVE. TODA EL AGUA DE LLUVIA DE LOS LOTES RESIDENCIALES, CALLES LOCALES, UN PARQUE Y UN LOTE COMERCIAL SERA MANDADA POR FLUJO SUPERFICIAL A TRAVES DE UN SISTEMA NUEVO DE ESTRUCTURAS DE DRENAJE. ESTA AGUA DE LLUVIA SE TRANSFERIRA A TRAVES DE UN NUEVO SISTEMA DE DRENAJE EXCLUSIVO PARA TORMENTAS QUE DESCARGA EN DOS NUEVAS LAGUNAS DE RETENCION INMEDIATAMENTE AL NORTE DE ROJAS DRIVE. ESTAS DOS LAGUNAS, LAGUNA 1 Y LAGUNA 2, SE ENCUENTRAN DENTRO DE LAS INMEDIACIONES DE LA SUBDIVISION Y ESTAN DISEÑADAS CON LA SUFFICIENTE CAPACIDAD PARA RETENER EL AGUA DE UNA TORMENTA DE 100 AÑOS.

EL DESARROLLO PROPUETO SE DIVIDE EN VARIAS AREAS DE DRENAJE. LAS AREAS DE DRENAJE DEL 1 AL 4, 6 Y DEL 12 AL 14 INCLUYEN LOTES RESIDENCIALES, CALLES INTERIORES, UN PARQUE, UN LOTE COMERCIAL Y UNA PORCION DE ROJAS DRIVE QUE DESCARGARAN EN LA LAGUNA DE RETENCION 1. LAS AREAS DE DRENAJE 5 Y DEL 7 AL 10 INCLUYEN LOTES RESIDENCIALES Y CALLES INTERIORES QUE DESCARGARAN A LA LAGUNA DE RETENCION 2.

EL AREA DE DRENAJE 11 SE ENCUENTRA EN UNA PORCION AL NORESTE DEL AREA DE DESARROLLO Y CAPTARA LA AFLUENTE PLUVIAL DE LOS LOTES RESIDENCIALES Y LAS CALLES INTERIORES. EL FLUJO DESARROLLADO DEL AREA DE DRENAJE 11 SE MOVERA POR FLUJO SUPERFICIAL EN DIRECCION ESTE A TRAVES DEL FRACCIONAMIENTO "THE ESTATES AT EMERALD PARK UNIT FOUR" Y DESCARGARA EN UNA LAGUNA DE RETENCION DENTRO DEL FRACCIONAMIENTO "THE ESTATES AT EMERALD PARK UNIT TWO".

ESTAS MEDIDAS ANTES MENCIONADAS PROPORCIONARAN EL DRENAJE SUFFICIENTE PARA TODOS LOS EDIFICIOS, EVITARAN LA CONCENTRACION DE AGUA DE LLUVIA HACIA OTROS LOTES Y CANALIZARAN EL DRENAJE INDIVIDUAL DE CADA LOTE EN CONJUNTO CON EL DRENAJE DE LLUVIA Y PATRONES DE FLUJO DE EL AREA. EL MAPA DE DRENAJE MOSTRADO ABAJO ILLUSTR LA LOCALIZACION DE LA INFRAESTRUCTURA DEL DRENAJE.

### CERTIFICACION

BAJO EL GOBIERNO LOCAL, CODIGO 232.021(4) "FLOODPLAIN" SE REFIERE A CUALQUIER AREA SUSCEPTIBLE A INUNDACION DURANTE UNA TORMENTA DE 100 AÑOS POR CUALQUIER FUENTE DE AGUA, O QUE HA SIDO IDENTIFICADA POR FEMA BAJO LA REGULACION "NATIONAL FLOOD INSURANCE ACT". CON MI FIRMA PRESENTE EN ESTE DOCUMENTO, CERTIFICO QUE LA SUBDIVISION "PEYTON ESTATES UNIT SEVEN" SE ENCUENTRA DENTRO DE LA DESIGNACION DE "X" (EXPLICADA COMO AREAS DE TORMENTA DE 100 AÑOS CON PROFUNDIDAD PROMEDIO MENORES A 1 PIE O CON AREAS DE DRENAJE MENORES A 1 MILLA CUADRADA; Y AREAS PROTEGIDAS CON DIQUES PARA TORMENTA DE 100 AÑOS) DESIGNADA EN EL PANEL 480212 02378 CON FECHA DE SEPTIEMBRE 4, 1991 EN EL MAPA DE ASEGURANZA PARA INUNDACIONES, CONDADO DE EL PASO, TEXAS

### WATER DISTRIBUTION REPORT

THE PASEO DEL ESTE MUNICIPAL UTILITY DISTRICT NO. 1 (PDEMUD1) WILL PROVIDE POTABLE WATER SERVICE TO PEYTON ESTATES UNIT SEVEN SUBDIVISION. HUNT PEYTON ESTATES LLC (THE SUBDIVIDER) AND PDEMUD1 HAVE ENTERED INTO A CONTRACT IN WHICH PDEMUD1 WILL PROVIDE SUFFICIENT WATER TO THE SUBDIVISION FOR AT LEAST THIRTY YEARS AND PDEMUD1 HAS PROVIDED DOCUMENTATION TO SUFFICIENTLY ESTABLISH LONG TERM QUANTITY AND QUALITY OF THE AVAILABLE WATER SUPPLY TO SERVE THE FULL DEVELOPMENT OF THE SUBDIVISION.

THE PROPOSED WATER SYSTEM WILL TIE-INTO EXISTING WATER LINES AT THREE (3) DIFFERENT POINTS AS FOLLOWS.

- (1) AT THE INTERSECTION OF ROJAS DRIVE AND STAFFS WAY, THE SYSTEM WILL TIE INTO AN EXISTING TWELVE-INCH (12") DIAMETER WATER LINE.
- (2) AT THE INTERSECTION OF ROJAS DRIVE AND GLENLIVET WAY, THE SYSTEM WILL TIE INTO AN EXISTING TWELVE-INCH (12") DIAMETER WATER LINE.
- (3) AT THE END OF EMERALD ISLE STREET WHERE PEYTON ESTATES UNIT SEVEN ABUTS THE ESTATES AT EMERALD PARK UNIT FOUR, THE SYSTEM WILL TIE INTO AN EXISTING EIGHT-INCH (8") DIAMETER STUB OUT.

THESE TIE-IN LINES WILL FEED OFF INTO EIGHT-INCH (8") DIAMETER WATER LINES THAT WILL RUN ALONG THE NORTH AND EAST SIDES OF EACH PROPOSED STREET RIGHT-OF-WAY. THE PROPOSED WATER LINES WILL SERVICE THREE HUNDRED AND SIXTY-TWO (362) LOTS WITH THREE-QUARTER-INCH (3/4") DIAMETER SERVICE WATER LINES. PARK IRRIGATION WILL BE SERVICED WITH ONE (1) ONE AND A HALF-INCH (1 1/2") DIAMETER SERVICE WATER LINE. THE PROPOSED WATER DISTRIBUTION SYSTEM WILL ALSO INCLUDE FIFTEEN (15) FIRE HYDRANTS AND ASSEMBLIES, FIFTY-FOUR (54) EIGHT-INCH (8") GATE VALVES AND TWO (2) PRESSURE REDUCING VALVES.

THE PROPOSED WATER DISTRIBUTION SYSTEM WILL BE CONSTRUCTED BY THE SUBDIVIDER. PRIOR TO OBTAINING WATER SERVICE, INDIVIDUAL LOT OWNERS MUST OBTAIN A WATER METER FROM PDEMUD1 AND PAY ALL APPLICABLE FEES TO THE PDEMUD1. ADDITIONALLY, INDIVIDUAL LOT OWNERS ARE RESPONSIBLE FOR THE COST AND INSTALLATION OF ANY SERVICE LINE REQUIRED FROM THE METER BOX TO THEIR DWELLING. THE WATER FACILITIES WILL BE FULLY OPERABLE ON THE DATE OF

### CERTIFICATION

I CERTIFY THAT THE WATER SERVICE FACILITIES DESCRIBED ABOVE ARE IN COMPLIANCE WITH THE MODEL SUBDIVISION RULES ADOPTED UNDER SECTION 16.343, TEXAS WATER CODE. THE WATER FACILITIES TO BE INSTALLED BY THE SUBDIVIDER WILL BE CONSTRUCTED WITHIN TWO (2) YEARS OF THE FILING OF THE FINAL PLAT FOR THIS SUBDIVISION.

### WATER FACILITIES

I CERTIFY THAT THE ESTIMATED COST TO INSTALL UN CONSTRUCTED WATER FACILITIES DESCRIBED ABOVE ARE AS FOLLO. THE WATER DISTRIBUTION FACILITIES WILL BE CONSTRUCTED IN ACCORDANCE WITH THE PASEO DEL ESTE MUNICIPAL UTILITY DISTRICT NO. 1 (PDEMUD1) SPECIFICATIONS AT AN ESTIMATED COST OF \$698,882 FOR THE SUBDIVISION.

JOSE HERNANDEZ, P.E.  
H2O TERRA  
TEXAS REGISTERED  
ENGINEERING FIRM F-2103



### REPORTE DE DISTIBUCION DE AGUA

EL DISTRITO 1 DEL SERVICIO DE AGUAS MUNICIPALES PASEO DEL ESTE (PDEMUD1) PROVEERA SERVICIO DE AGUA POTABLE A LA SUBDIVISION PEYTON ESTATES UNIDAD 7. HUNT PEYTON ESTATES, LLC (SUBDIVISOR) Y PDEMUD1 ENTRARON EN UN CONTRATO EN EL CUAL PDEMUD1 PROVEERA EL AGUA SUFFICIENTE PARA LA SUBDIVISION POR LOS PROXIMOS TREINTA AÑOS Y PDEMUD1 HA PROVISTO DE LA DOCUMENTACION NECESARIA PARA SUSTENTAR LA CANTIDAD Y CALIDAD A LARGO PLAZO DEL AGUA POTABLE DISPONIBLE PARA SERVIR EL DESARROLLO COMPLETO DE LA SUBDIVISION.

EL SISTEMA DE AGUA PROPUETO SE CONECTARA A LAS LINEAS EXISTENTES EN TRES DIFERENTES PUNTOS COMO SE EXPLICA A CONTINUACION:

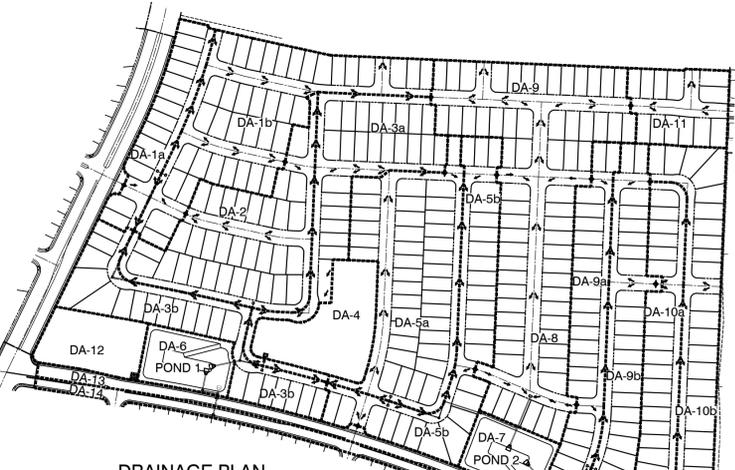
- (1) EN LA INTERSECCION DE ROJAS DRIVE Y STAFFS WAY, EL SISTEMA SE CONECTARA A UNA LINEA EXISTENTE DE 12 PULGADAS.
- (2) EN LA INTERSECCION DE ROJAS DRIVE AND GLENLIVET WAY, EL SISTEMA SE CONECTARA A UNA LINEA EXISTENTE DE 12 PULGADAS.
- (3) AL FINAL DE LA CALLE EMERALD ISLE EN DONDE LA SUBDIVISION PEYTON ESTATES UNIDAD 7 COLINDA CON LA UNIDAD 4 DE EMERALD PARK, EL SISTEMA SE CONECTARA CON UNA LINEA EXISTENTE DE 8 PULGADAS.

ESTAS CONECCIONES ALIMENTARAN LINEAS DE OCHO-PULGADAS (8") DE DIAMETRO QUE CORRERAN A TRAVES DE CADA CALLE PROPUESTA EN LA ZONA NORTE Y ESTE DE DICHAS CALLES. LAS LINEAS DE AGUA PROPUESTAS SERVIRAN TRESCIENTOS SESENTA Y DOS (362) LOTES CON LINEAS DE TRES CUARTOS DE PULGADA (3/4") DE DIAMETRO PARA AGUA POTABLE. LA IRRIGACION DEL PARQUE SE HARÁ MEDIANTE UNA LINEA DE UNA PULGADA Y MEDIA (1 1/2") DE DIAMETRO. EL SISTEMA DE AGUA PROPUETO TAMBIEN INCLUIRA QUINCE (15) HIDRANTES DE EMERGENCIA, CINCUENTA Y CUATRO (54) VALVULAS DE CUERPUETA DE OCHO PULGADAS (8") Y DOS (2) VALVULAS REDUCTORAS DE PRESION.

EL SISTEMA DE DISTRIBUCION DE AGUA SERA CONSTRUIDO POR EL SUBDIVISOR. ANTES DE OBTENER SERVICIO DE AGUA, LOS DUEÑOS DE CADA LOTE DEBERAN OBTENER UN MEDIDOR DE AGUA POR MEDIO DE PDEMUD1 Y PAGAR LOS COSTOS APLICABLES A PDEMUD1. ADICIONALMENTE, LOS DUEÑOS DE CADA LOTE SERAN RESPONSABLES POR EL COSTO DE INSTALACION DE CUALQUIER LINEA DE SERVICIO REQUERIDA DESDE EL MEDIDOR HASTA SU PROPIEDAD. LAS INSTALACIONES DE AGUA SERAN CONSTRUIDAS DENTRO DE DOS (2) AÑOS DESPUES DE ARCHIVAR EL PLANO FINAL DE ESTA SUBDIVISION.

### CERTIFICACION

YO CERTIFICO QUE LAS INSTALACIONES PARA EL SERVICIO DE AGUA POTABLE AQUI DESCRITAS ESTAN EN CONFORMIDAD CON LAS REGLAS DE SUBDIVISIONES ADOPTADAS EN LA SECCION 16.343, TEXAS WATER CODE. LAS INSTALACIONES DE AGUA QUE SERAN INSTALADAS POR EL SUBDIVISOR SERAN CONSTRUIDAS DENTRO DE DOS (2) AÑOS DESPUES DE ARCHIVAR EL PLANO FINAL DE ESTA SUBDIVISION.



DRAINAGE PLAN  
SCALE: 1" = 300'

POND #1 CAPACITY			POND #2 CAPACITY		
ELEVATION	AREA, ACRES	CUMULATIVE VOLUME, AC-FT	ELEVATION	AREA, ACRES	CUMULATIVE VOLUME, AC-FT
3921	0.159	0.000	3925	0.179	0.000
3922	0.192	0.176	3926	0.210	0.194
3923	0.226	0.384	3927	0.243	0.421
3924	0.262	0.628	3928	0.277	0.680
3925	0.299	0.903	3929	0.313	0.975
3926	0.337	1.226	3930	0.350	1.307
3927	0.378	1.584	3931	0.390	1.677
3928	0.420	1.982	3932	0.430	2.087
3929	0.463	2.424	3933	0.473	2.538
3930	0.508	2.909	3934	0.517	3.033
3931	0.555	3.441	3935	0.563	3.574
3932	0.603	4.020	3936	0.611	4.160
3933	0.653	4.648	3937	0.661	4.796
3934	0.705	5.327	3938	0.734	5.494
3935	0.758	6.059	3939	0.779	6.250
3936	0.813	6.844	3940	0.825	7.052
3937	0.869	7.685	3941	0.877	7.903
3938	0.927	8.583	3942	0.933	8.808
3939	0.987	9.540	3943	0.990	9.769
3940	1.048	10.557	3944	1.050	10.789
3941	1.111	11.637	3945	1.113	11.871
			3946	1.178	13.016
			3947	1.230	14.225

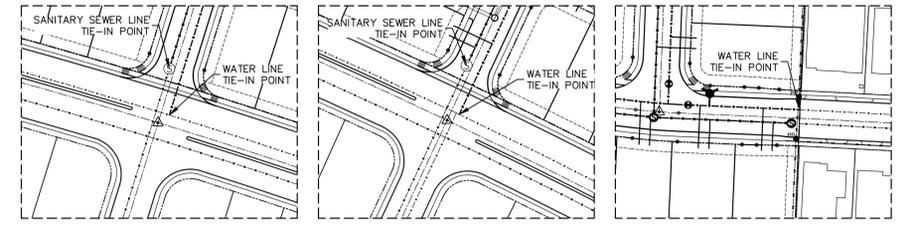
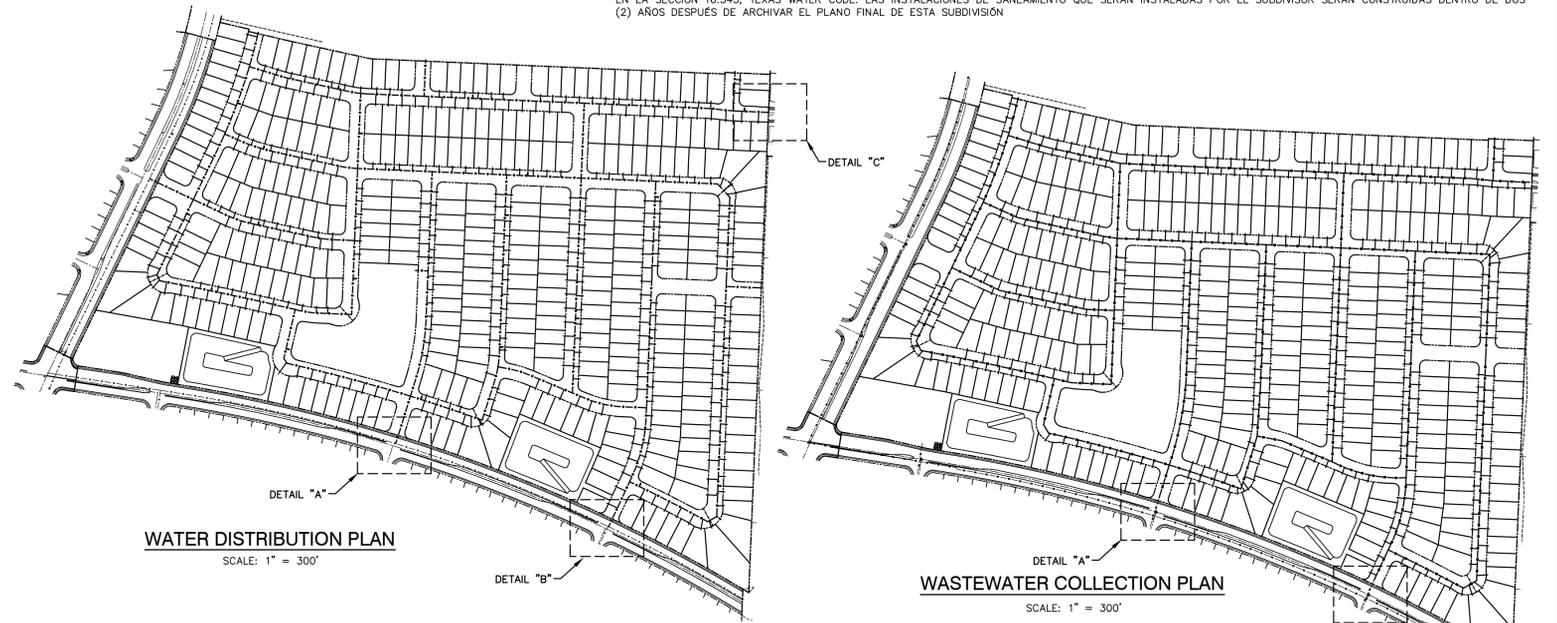
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WATERSHED CALCULATIONS						
DRAINAGE AREA NO.	DRAINAGE AREA, ACRES (A)	RUNOFF COEFFICIENT (C <sub>100</sub> ) <sup>1</sup>	TIME OF CONCENTRATION, MIN. (T <sub>c</sub> )	DESIGN STORM INTENSITY, IN./HR. (I <sub>100</sub> ) <sup>2</sup>	VOLUMETRIC FLOW RATE, C.F.S. (Q <sub>100</sub> ) <sup>3</sup>	REQUIRED CAPACITY, AC.-FT. (Q <sub>T100</sub> ) <sup>3</sup>
1a	2.281	0.60	10.0	5.36	7.34	0.490
1b	6.744	0.60	10.0	5.36	21.70	1.450
2	5.654	0.60	10.0	5.36	18.19	1.217
3a	4.443	0.60	10.0	5.36	14.29	0.955
3b	3.780	0.60	10.0	5.36	12.16	0.813
4	2.533	0.50	10.0	5.36	6.79	0.454
5a	6.488	0.60	10.0	5.36	20.87	1.395
5b	4.646	0.60	10.0	5.36	14.95	0.999
6	1.465	0.50	10.0	5.36	3.93	0.262
7	1.517	0.50	10.0	5.36	4.07	0.272
8	10.891	0.60	10.0	5.36	35.04	2.342
9a	3.707	0.60	10.0	5.36	11.93	0.797
9b	3.785	0.60	10.0	5.36	12.18	0.814
10a	3.572	0.60	10.0	5.36	11.49	0.768
10b	6.184	0.60	10.0	5.36	19.90	1.330
11	2.106	0.60	10.0	5.36	6.78	0.453
12	1.685	0.95	10.0	5.36	8.58	0.574
13	2.412	0.95	10.0	5.36	12.29	0.821
14	2.339	0.95	10.0	5.36	11.92	0.796
15	2.673	0.50	10.0	5.36	7.07	0.631

<sup>1</sup> RUNOFF COEFFICIENT (C<sub>100</sub>) AS PER TABLE 4-5 OF THE CITY OF EL PASO ENGINEERING DEPARTMENT "DRAINAGE DESIGN MANUAL" DATED JUNE, 2008.  
RESIDENTIAL 0.60  
GENERAL COMMERCIAL 0.50  
POND/OPEN SPACE 0.95  
<sup>2</sup> INTENSITY EQUATIONS (I<sub>100</sub>) AS PER EQUATION 4-25 IN THE EASTSIDE REGION OF THE CITY OF EL PASO ENGINEERING DEPARTMENT "DRAINAGE DESIGN MANUAL" DATED JUNE, 2008.  
I<sub>100</sub> = 144.20 / (T<sub>c</sub> + 1.49)<sup>0.789</sup>  
<sup>3</sup> VOLUMETRIC FLOW RATE (Q<sub>100</sub>) WAS CALCULATED USING THE RATIONAL METHOD AS PER SECTION 4.3.2 OF THE CITY OF EL PASO ENGINEERING DEPARTMENT "DRAINAGE DESIGN MANUAL" DATED JUNE, 2008.  
<sup>4</sup> ALL COMPUTATIONS BASED ON 100 YEAR STORM FREQUENCY.

RETENTION BASIN CALCULATIONS											
BASIN NO.	CONTRIBUTING DRAINAGE AREAS	"A" AREA (AC.)	"R" RAINFALL IN/24HR (R <sub>100</sub> ) <sup>1</sup>	"C" WEIGHTED RUNOFF COEFFICIENT	REQUIRED CAPACITY, AC.-FT. (Q <sub>T100</sub> ) <sup>2</sup>	25% EMERGENCY AC.-FT.	SILT VOLUME 0.012 AC.-FT/AC	EXPECTED CAPACITY, AC.-FT. (Q <sub>exp</sub> )	TOTAL CAPACITY, AC.-FT. (Q <sub>tot</sub> )	HIGHWATER SURFACE ELEVATION, 100-YR.(FT.)	FREEBOARD FT.
1	1-4, 6 & 12-14	33.336	4.30	0.656	7.831	1.958	0.400	10.189	11.637	3936.61	4.39
2	5 & 7-10	40.790	4.30	0.596	8.715	2.179	0.489	11.384	14.225	3942.57	4.43
3 (TEMP)	15	2.673	4.30	0.500	4.079	0.120	0.032	0.631	1.150	3982.43	1.57

<sup>1</sup> RAINFALL DEPTH (R<sub>100</sub>) AS PER TABLE 4-2 IN THE EASTSIDE REGION OF THE CITY OF EL PASO ENGINEERING DEPARTMENT "DRAINAGE DESIGN MANUAL" DATED JUNE, 2008.  
<sup>2</sup> REQUIRED CAPACITY (Q<sub>T100</sub>) WAS CALCULATED USING THE TOTAL RUNOFF FORMULA AS PER SECTION 2-4 OF THE CITY OF EL PASO ENGINEERING DEPARTMENT "DESIGN STANDARDS FOR CONSTRUCTION" DATED JUNE 3, 2008.



DETAIL "A" SCALE: 1" = 300'  
DETAIL "B" SCALE: 1" = 300'  
DETAIL "C" SCALE: 1" = 300'

**H2O Terra**  
ENGINEERING. SURVEYING. SOLUTIONS.  
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**HUNT COMPANIES INC.**

PREPARED: JUNE 9, 2021  
SHEET 1 OF 1