

NUMBER OF LOTS (I) MULTIFAMILY (I) NON-RESIDENTIAL SCALE: I" = 200'

180.00'

WS 9

N90°00'00"W

N90°00'00"W

EFERENCE: CITY OF EL PASO SUBDIVISION DESIGN STANDARDS C = RUNOFF COEFFICIENT I = RAINFALL INTENSITY (INCHES/HOUR)A = AREA (ACRES)Tc = TIME OF CONCENTRATION (MINUTES) Q100 = FLOWRATE FOR STORM RETURN PERIOD (100 YEARS) THE DRAINAGE CALCULATIONS WERE PREPARED IN ACCORDANCE WITH THE CITY OF EL PASO DRAINAGE DESIGN MANUAL. CALCULATIONS ARE FOR 100-YR STORM EVENT IN THE WESTERN REGION OF EL PASO. THE RATIONAL METHOD WAS UTILIZED AS INDIVIDUAL WATERSHED AREAS ARE ALL LESS THAN 200 AC THE WESTERN INTENSITY EQUATION USED WAS: $I_{100} = \frac{140.07}{(T_c + 26.090)}$ THE TIME OF CONCENTRATION FORMULA USED WAS: $T_c = 0.0078 * \frac{L}{5^{0.385}}$ OR 10 min IF LESS THAN 10 min

SCHOOL DISTRICT

CANUTILLO INDEPENDENT SCHOOL DISTRICT (C.I.S.D.)

PLAT NOTES & RESTRICTIONS

PROPOSED DRAINAGE FLOW

I . TAX CERTIFICATE(5) FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORDS SECTION, INSTRUMENT

2. BASIS OF BEARING IS 5 00°04'30" W BASED ON THE EASTERLY PROPERTY LINE OF TRACT 7A OF LAURA E. MUNDY SURVEY NO. 238.

. SUBJECT PROPERTY IS LOCATED IN ZONE "A" (AREAS OF 100-YEAR FLOOD) AND ZONE "X" (AREAS DETERMINED TO BE OUTSIDE 500 YEAR FLOOD-PLAIN) AS DETAILED ON EL PASO COUNTY, TEXAS FLOOD INSURANCE RATE MAP UNINCORPORATED AREAS PANEL NO. 4802 | 20025B, SEPTEMBER 4 | 991.

4. PROPERTY OWNERS ARE AWARE THE PROPERTIES ARE IN A FEMA SPECIAL FLOOD HAZARD AREA (SFHA) THAT REQUIRES A FLOOD PLAIN DEVELOPMENT PERMIT FROM THE COUNTY FLOODPLAIN ADMINISTRATOR FOR ANY DEVELOPMENT ON THE PROPERTY. THIS REQUIREMENT SHALL ALSO BE INCLUDED ON ANY FUTURE DEEDS THAT RUN WITH THE LAND

5. LOT IS SUBJECT TO ON-SITE PONDING AREA. LOT OWNERS ARE RESPONSIBLE FOR MAINTAINING ADEQUATE PROVISIONS TO ACCOMMODATE ALL STORMWATER RUNOFF GENERATED FROM THEIR RESPECTIVE LOT PLUS ONE-HALF THE RUNOFF GENERATED FROM ALL ABUTTING STREET RIGHT-OF-WAYS DIRECTLY FRONTING THE LOT.

G. BUILDINGS SHALL BE SET BACK AS FOLLOWS: SETBACKS FROM ROADS AND RIGHT-OF-WAYS SHALL BE A MINIMUM OF 25 FEET, FROM SIDE ROAD AND PUBLIC UTILITY EASEMENT LINES SHALL BE A MINIMUM OF 10 FEET AND FROM BACK ROAD AND PUBLIC UTILITY EASEMENT LINES SHALL BE 20 FEET. THESE SETBACK DISTANCES SHALL NOT CONFLICT WITH SEPARATION OR SETBACK DISTANCES REQUIRED BY RULES GOVERNING PUBLIC UTILITIES, ON-SITE SEWERAGE FACILITIES, OR DRINKING WATER

- LOT OWNER SHALL OBTAIN APPROVAL FROM THE EL PASO COUNTY PLANNING AND DEVELOPMENT DEPARTMENT (E.P.C.P.W.D.) PRIOR TO LOT DEVELOPMENT
- 3. LOT OWNER SHALL BE RESPONSIBLE FOR THE GRADING, DRAINAGE, PONDING REQUIREMENTS AND DRIVEWAY CONSTRUCTION PRIOR TO BUILDING A STRUCTURE, INCLUDING RECEIVING APPROVAL FROM THE EL PASO COUNTY PLANNING AND DEVELOPMENT DEPARTMENT PRIOR TO LOT DEVELOPMENT.
- 9. LOT OWNER IS RESPONSIBLE FOR CONSTRUCTING SIDEWALKS AND DRIVEWAYS

I.O. LOT OWNER IS RESPONSIBLE FOR MAINTAINING SIDEWALKS. PARKWAYS AND DRIVEWAYS ABUTTING THEIR PROPERTY. INCLUDING DOUBLE FRONTAGE LOTS.

II. IF GENERAL DESIGN IS NOT FOLLOWED, GRADING AND DRAINAGE PLAN PREPARED BY A TEXAS LICENSED ENGINEER IS REQUIRED TO BE SUBMITTED TO EL PASO COUNTY PUBLIC WORK DEPARTMENT FOR REVIEW AND APPROVAL. DRAINAGE PLAN SHALL BE DESIGNED TO ACCEPT AND RETAIN THE RUNOFF FROM HALF OF THE

I 2. THIS SUBDIVISION SHALL PROVIDE FOR POSTAL DELIVERY SERVICE. THE SUBDIVIDER WILL COORDINATE INSTALLATION AND CONSTRUCTION WITH THE UNITED STATES POSTAL SERVICE IN DETERMINING THE TYPE OF DELIVERY SERVICE FOR THE PROPOSED SUBDIVISIONS. IN ALL CASES, THE TYPE AND LOCATION OF DELIVERY SERVICE SHALL BE SUBJECT TO THE APPROVAL OF THE UNITED STATES POSTAL SERVICE

13. BUILDINGS SHALL BE SET BACK AS FOLLOWS: SETBACKS FROM ROADS AND RIGHT-OF-WAYS SHALL BE A MINIMUM OF 25 FEET, FROM SIDE ROAD AND PUBLIC UTILITY EASEMENT LINES SHALL BE A MINIMUM OF 10 FEET AND FROM BACK ROAD AND PUBLIC UTILITY EASEMENT LINES SHALL BE 20 FEET. THESE SETBACK DISTANCES SHALL NOT CONFLICT WITH SEPARATION OR SETBACK DISTANCES REQUIRED BY RULES GOVERNING PUBLIC UTILITIES, ON-SITE SEWERAGE FACILITIES, OR DRINKING WATER

14. THIS PROPERTY IS SUBJECT TO IMPACT FEES. THE TABLE AND RESPECTIVE LANGUAGE SHALL BE INCLUDED ON THE FACE OF THE FINAL APPROVED AND RECORDED PLAT. IMPACT FEES SHALL BE CALCULATED BASED ON THE TABLE BELOW:

CHAPTER 395 OF THE TEXAS LOCAL GOVERNMENT CODE AUTHORIZES THE CITY OF EL PASO TO ADOPT AND IMPOSE WATER AND WASTEWATER IMPACT FEES. THIS PLAT NOTE FULFILLS AN OBLIGATION MANDATED BY CHAPTER 395 AND SET THE ASSESSMENT OF THE IMPACT FEES IN ACCORDANCE WITH THE IMPACT FEE SCHEDULE ADOPTED BY CITY COUNCIL AS SET FORTH BELOW. THE COLLECTION OF THE IMPACT FEE FOR THIS SUBDIVISION SHALL BE PRIOR TO THE TIME A BUILDING PERMIT IS ISSUED IF DEVELOPMENT IS WITHIN THE CITY LIMITS OR AT THE TIME OF THE METER CONNECTION IF DEVELOPMENT IS OUTSIDE THE CITY LIMITS. SEE THIS SHEET FOR IMPACT FEES

15. LOT OWNER SHALL BE RESPONSIBLE TO MAINTAIN DRAINAGE CHANNEL AND PRIVATE PONDS.

6. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88) DETERMINED THROUGH G.P.S. OBSERVATION AT A NATIONAL GEODETIC SURVEY (N.G.S.) MONUMENT "T 1383" (P.I.D. CE0447) LOCATED ON THE NORTH SIDE OF CANUTILLO/LA UNION AVE. (FM 259) AT THE EAST END OF THE BRIDGE BETWEEN THE EAST BANK OF THE RIO GRANDE AND THE RAILWAY. ELEVATION = 3769.26' (N.A.V.D.88.).

STELLAR LA MESA SUBDIVISION UNIT ONE

CITY & ZIP CODE:

EL PASO, 79912

LUBBOCK, 79424

EL PASO, 79902

ADDRESS:

6502 SLIDE ROAD, SUITE 404

417 EXECUTIVE CENTER BLVD.

417 EXECUTIVE CENTER BLVD.

BROCK & BUSTILLOS INC.

JOB NO. 07287-003B

CORONADO HOLDINGS, LP 1035 BELVIDERE SUITE 160.

LOCATION OF SUBDIVISION WITH RESPECT TO THE

STELLAR LA MESA SUBDIVISION UNIT ONE IS LOCATED IN THE NORTHWEST SECTION OF EL PASO COUNTY IN THE COMMUNITY OF CANUTILLO. THE PROPERTY IS SITUATED BETWEEN VINTON AVENUE AND LA MESA STREET ABUTTING S. DESERT BOULEVARD (INTERSTATE HIGHWAY NO. IO) WITH ACCESS TO ALL THESE STREETS. THE SUBDIVISION LIES WITHIN THE CITY OF EL PASO'S FIVE-MILE EXTRATERRITORIAL JURISDICTION (ETJ) UNDER LOCAL GOVERNMENT CODE 42.02 | AND CODE 212.00 |

PRINCIPAL CONTACTS:

ENGINEER: SERGIO ADAME

SURVEYOR: AARON ALVARADO

OWNER:

NAME

SCP20 PARTNERS, LP

I. PROPERTY PLAT FOR LAURA E. MUNDY SURVEY No. 238, DATED 09-23-59.

EL PASO, 79902 915.542.4900 915.542-2867

915.542.4900 915.542-2867

EL PASO, TEXAS 79902

www.brockbustillos.com

PH (915) 542-4900

FAX (915) 542-2867

REFERENCE DOCUMENTS

2. PROPERTY PLAT FOR SURVEY NELLIE D. MUNDY SURVEY No. 239, DATED 05-11-62.

MAP OF TOPOGRAPHIC AND DRAINAGE MAPA TOPOGRAFICO Y DE DRENAJE

SCALE: I"=200'

SUN VALLEY FACTORY SHOPPES

| BOTTOM ELEVATION | TOP ELEVATION | DEPTH | AREA TOP(sf) | AREA TOP (Ac) | BOTTOM AREA(Sf) | BOTTOM AREA(Ac) | (AREA TOP+ AREA BOTTOM)/2 | VOLUME PROVIDED PER FOOT CONTOUR (Ac-ft) | CUMMULATIVE VOLUME PROVIDED (Ac-ft) |
|---------------------|------------------|-------|-----------------|------------------|--------------------|--------------------|------------------------------|--|---|
| 3853.42 | 3854.42 | 1.00 | 4154.5 | 0.0954 | 3438.3 | 0.0789 | 0.0872 | 0.0872 | 0.0872 |
| 3854.42 | 3855.42 | 1.00 | 4946.1 | 0.1135 | 4154.5 | 0.0954 | 0.1045 | 0.1045 | 0.1916 |
| 3855.42 | 3856.42 | 1.00 | 5811.3 | 0.1334 | 4946.1 | 0.1135 | 0.1235 | 0.1235 | 0.3151 |
| 3856.42 | 3857.42 | 1.00 | 6750.0 | 0.1550 | 5811.3 | 0.1334 | 0.1442 | 0.1442 | 0.4593 |
| 3857.42 | 3858.42 | 1.00 | 7762.1 | 0.1782 | 6750.0 | 0.1550 | 0.1666 | 0.1666 | 0.6259 |
| 3858.42 | 3858.92 | 0.50 | 8295.7 | 0.1904 | 7762.1 | 0.1782 | 0.1843 | 0.0922 | 0.7180 |

TEMPORARY DRAINAGE CALCULATIONS RAINFALL DRAINAGE AREA COEFFICIENT (WS) EXISTING WS I-B 0.65 5.19 | 2.7013 | 10.00 | 8.41

ELEVATION ELEVATION

| REQUIRED PONDING CALCULATIONS - TEMPORARY POND #2 | | | | | | | |
|---|---------------|-------------------------|------------------------------|------------------------------------|----------------------------|--|--|
| DRAINAGE AREA (WS) | AREA (AC) "A" | RAINFALL (IN) "R" | RUNOFF COEFFICIENT "C" | $Q_{\scriptscriptstyle T}$ (AC-FT) | VOLUME PROVIDED (AC-FT) | | |
| EXISTING WS 1-B | 2.7013 | 4 | 0.60 | 0.5403 | 0.7180 | | |
| | | | TOTAL | 0.5403 | 0.7180 | | |

25% EMERGENCY = (0.5403)(0.25) = 0.1351 $10 \text{ YEAR SILT} = (2.7013)(0.012) = \overline{0.0324}$

 Q_{REQ} TOTAL 0.1675 + 0.5403 = 0.7078 AC-FT Q provided = 0.7180 AC-FT

STELLAR LA MESA SUBDIVISION UNIT ONE

BEING A PORTION OF TRACTS 7A, 7B AND ALL OF TRACTS 6-B-2-A. 6-B-2-A-1, 6-B-3-H AND 6-B-3-S, LAURA E, MUNDY SURVEY NO.238. TOWN OF CANUTILLO, EL PASO COUNTY, TEXAS CONTAINING 21.0569 ACRES ±

FINAL ENGINEERING REPORT FOR

DOC. NO. 20060110944

PORTION OF TRACT 7A

WS 8

E WS 1-B

MAP OF WATER DISTRIBUTION SYSTEM

MAPA DE EXISTENTE SISTEMA DE DISTRIBUCION DE AGUA

SCALE: 1"=200

ARROYO SECO SUBDIVISION

DOC. NO. 20060110944

SUN VALLEY FACTORY

SHOPPES

CORONADO HOLDINGS, LP

STELLAR LA MESA SUBDIVISION UNIT ONE WATER SUPPLY: DESCRIPTION AND AVAILABILITY

PROPOSED STELLAR LA MESA SUBDIVISION UNIT ONE IS CURRENTLY BEING SERVED WITH POTABLE WATER BY THE EL PASO WATER (EPW) SYSTEM. THE SUBDIVIDER AND THE (EPW) HAVE ENTERED INTO A CONTRACT IN WHICH THE (EPW) HAS AGREED TO PROVIDE SUFFICIENT WATER TO THE SUBDIVISION FOR AT LEAST 30 YEARS AND HAS PROVIDED DOCUMENTATION TO SUFFICIENTLY ESTABLISH THE LONG-TERM QUANTITY AND QUALITY OF THE AVAILABLE WATER SUPPLIES TO SERVE THE FULL DEVELOPMENT OF THIS SUBDIVISION. THE (EPW) HAS AN EXISTING 8-INCH WATER LINE ON LA MESA STREET AND THE SUBDIVIDER WILL EXTEND IT TO CONNECT TO A 16-INCH WATERLINE THAT RUNS PARELLEL TO IH-10 FRONTAGE ROAD (DESERT SOUTH BLVD.). THERE IS ALSO AN 8-INCH WATERLINE ALONG VINTON ROAD, WHICH WILL BE CONNECTED TO LOOP THE WATER SYSTEM.

(WATER COST: \$136,000 - 1,000 FT+, OPERABILITY DATE: MAY, 2025.) (FIRE HYDRANTS WILL BE INSTALLED AS PART OF THE WATER SYSTEM CONSTRUCTION.) (FIRE HYDRANT COST: \$7,000 EACH)

SEWAGE FACILITY: DESCRIPTION AND AVAILABILITY

PROPOSED STELLAR LA MESA SUBDIVISION UNIT ONE WILL BE SERVICED WITH SANITARY SEWER SERVICE AND SHALL CONSIST OF THE INSTALLATION OF AN 8" PVC LINE AND CONNECT TO PUBLIC SANITARY 18-INCH SEWER MAIN LOCATED ALONG LA MESA STREET. THE CONNECTION SHALL BE TO A NEW MANHOLE SOUTH OF THE PROPERTY. THE SUBDIVIDER AND THE (EPW) HAVE ENTERED INTO A CONTRACT IN WHICH THE (EPW) HAS AGREED TO PROVIDE SANITARY SEWER SERVICE TO THE SUBDIVISION FOR AT LEAST 30 YEARS AND HAS PROVIDED DOCUMENTATION TO SUFFICIENTLY ESTABLISH SANITARY SEWER SERVICE TO SERVE THE FULL DEVELOPMENT OF THIS SUBDIVISION.

(SEWER COST: \$5,100 - 60 FT±, OPERABILITY DATE: MAY, 2025.)

STORM DRAINAGE REPORT:

STELLAR LA MESA:

SURVEY NO. 238

PROPOSED STELLAR LA MESA SUBDIVISION UNIT ONE WILL BUILD A DETENTION PONDING AREA FOR ITS DEVELOPMENT RUN-OFF INCLUDING ALL ABUTTING FRONTING STREETS R.O.W. DIRECTLY FROM THE LOT. THE RETENTION PONDING AREA IS DESIGNED FOR LOO YEAR STORM EVENTS. A DRAINAGE CHANNEL WILL BE BUILT TO BYPASS EXISTING OFF-SITE FLOWS TO A STABILIZED EXISYTING CHANNEL WEST OF THE SITE. A CLOMR AND LOMR PROCESS WILL MODIFY THE FLOOD PLAIN AREA TO BE WITHIN THE CHANNEL CLEARING THE SITE FOR DEVELOPMENT.

REPORTE FINAL DE INGENIERÍA PARA LA SUBDIVISION

DESCRIPCIÓN DEL SISTEMA DE AGUA POTABLE Y ACCESO

LA SUBDIVISIÓN STELLAR LA MESA SUBDIVISION UNIT ONE PROPUESTA RECIBE EL SERVICIO DE AGUA POTABLE DEL SISTEMA EL PASO WATER (EPW). EL SUBDIVISION Y EL (EPW) HAN CELEBRADO UN CONTRATO EN EL CUAL EL (EPW) HA ACORDADO PROPORCIONAR SUFICIENTE AGUA A LA SUBDIVISIÓN DURANTE AL MENOS 30 AÑOS Y HA PROPORCIONADO DOCUMENTACIÓN PARA ESTABLECER SUFICIENTEMENTE LA CANTIDAD Y CALIDAD A LARGO PLAZO DE LOS SUMINISTROS DE AGUA DISPONIBLES PARA SERVIR EL DESARROLLO COMPLETO DE ESTA SUBDIVISIÓN. EL (EPW) TIENE UNA TUBERÍA DE AGUA DE 8 PULGADAS EXISTENTE EN LA CALLE LA MESA Y EL SUBDIVISOR LA AMPLIARÁ PARA CONECTARSE A UNA TUBERÍA DE AGUA DE 16 PULGADAS QUE CORRE EN PARALELO A LA CARRETERA DE ACCESO A LA IH-10 (DESERT SOUTH BLVD.). TAMBIÉN HAY UNA TUBERÍA DE AGUA DE 8 PULGADAS A LO LARGO DE LA CARRETERA VINTON, QUE SE CONECTARÁ PARA CONFCTAR FL SISTEMA DE AGUA

(COSTO DEL AGUA: \$136,000 - 1,000 FT±, FECHA DE OPERATIVIDAD: MAYO DE 2025). (SE INSTALARÁN BOCAS DE INCENDIO COMO PARTE DE LA CONSTRUCCIÓN DEL SISTEMA DE AGUA). (COSTO DE LA BOCA DE INCENDIO: \$7,000 CADA UNA)

DESCRIPCIÓN DEL SISTEMA DE ALCANTARILLADO.

LA SUBDIVISIÓN PROPUESTA DE STELLAR LA MESA UNIT ONE CONTARÁ CON SERVICIO DE ALCANTARILLADO SANITARIO Y CONSISTIRÁ EN LA INSTALACIÓN DE UNA TUBERÍA DE PVC DE 8" Y SE CONECTARÁ A UNA TUBERÍA PRINCIPAL DE ALCANTARILLADO SANITARIO PÚBLICO DE 18 PULGADAS UBICADA A LO LARGO DE LA CALLE LA MESA. LA CONEXIÓN SERÁ A UN NUEVO POZO DE ALCANTARILLADO AL SUR DE LA PROPIEDAD. EL SUBDIVISOR Y LA (EPW) HAN CELEBRADO UN CONTRATO EN EL CUAL LA (EPW) HA ACORDADO PROPORCIONAR SERVICIO DE ALCANTARILLADO SANITARIO A LA SUBDIVISIÓN DURANTE AL MENOS 30 AÑOS Y HA PROPORCIONADO DOCUMENTACIÓN PARA ESTABLECER SUFICIENTEMENTE UN SERVICIO DE ALCANTARILLADO SANITARIO PARA SERVIR EL DESARROLLO COMPLETO DE ESTA SUBDIVISIÓN.

(COSTO DEL ALCANTARILLADO: \$5,100 - 60 FT ±, FECHA DE OPERATIVIDAD: MAYO DE 2025).

LA SUBDIVISIÓN MESA UNIT ONE CONSTRUIRÁ UN ÁREA DE ESTANQUE DE DETENCIÓN PARA EL ESCURRIMIENTO DE SU DESARROLLO, INCLUYENDO TODAS LAS CALLES CON BORDE FRENTE DIRECTAMENTE AL LOTE. EL ÁREA DE ESTANQUE DE RETENCIÓN ESTÁ DISEÑADA PARA EVENTOS DE TORMENTA DE 100 AÑOS. SE CONSTRUIRÁ UN CANAL DE DRENAJE PARA DESVIAR LOS FLUJOS EXISTENTES FUERA DEL SITIO HACIA UN CANAL EXISTENTE ESTABILIZADO AL OESTE DEL SITIO. UN PROCESO CLOMR Y LOMR MODIFICARÁ EL ÁREA DE LLANURA DE INUNDACIÓN PARA QUE ESTÉ DENTRO DEL CANAL, LIMPIANDO EL SITIO PARA EL DESARROLLO.

CERTIFICATION

BY MY SIGNATURE BELOW, I CERTIFY THAT STELLAR LA MESA SUBDIVISION UNIT ONE IS SUBJECT PROPERTY IS LOCATED IN ZONE "A" (AREAS OF 100-YEAR FLOOD) AND ZONE "X" (AREAS DETERMINED TO BE OUTSIDE 500 YEAR FLOOD-PLAIN) AS DETAILED ON EL PASO COUNTY, TEXAS FLOOD INSURANCE RATE MAP UNINCORPORATED AREAS PANEL NO. 4802 I 20025B, SEPTEMBER

I CERTIFY THE THE WATER AND SEWAGE SERVICE FACILITIES DESCRIBED ABOVE ARE IN COMPLIANCE WITH THE MODEL RULES ADOPTED UNDER SECTION 16.343, WATER CODE.

■ VOLUME PROVIDED ■ CUMULATIVE

WS II

SERGIO ADAME, P.E. LICENSE PROFESSIONAL ENGINEER, TEXAS LICENSE No. 88423

1.00 14691.0 0.3373 13303.6

1.00 20763.3 0.4767 19166.3

1.00 22412.2 0.5145 20763.3

1.00 31437.3 0.7217 29528.1

24112.8 0.5536 22412.2 **1.00** 25865.7 0.5938 24112.8

1.00 33398.5 0.7667 31437.3 0.7217

0.6779 27671.8

AREA AREA BOTTOM BOTTOM (AREATOP+AREA)

TOP(sf) TOP(Ac) AREA(Sf) AREA(Ac) BOTTOM)/2

DRAINAGE CALCULATIONS RUNOFF RAINFALL ARFA (AC) "A"

| EXISTING WS I 0.60 5.19 19.40 10.00 60.43 WS I 0.90 5.19 0.34 10.00 1.58 WS 2 0.90 5.19 0.91 10.00 4.27 WS 3 0.68 5.19 1.67 10.00 5.91 WS 4 0.83 5.19 2.05 10.00 8.82 WS 5 0.84 5.19 1.19 10.00 5.18 WS 6 0.87 5.19 1.57 10.00 7.10 WS 7 0.86 5.19 1.85 10.00 8.24 WS 8 0.87 5.19 1.60 10.00 7.22 WS 9 0.84 5.19 2.82 10.00 12.28 WS 10 0.86 5.19 2.13 10.00 9.50 | (WS) | COEFFICIENT "C" | (IN) "I" | ARLA (AC) "A" | Tc | Q ₁₀₀ (CFS) |
|---|---------------|--------------------|-------------|---------------|-------|------------------------|
| W5 2 0.90 5.19 0.91 10.00 4.27 W5 3 0.68 5.19 1.67 10.00 5.91 W5 4 0.83 5.19 2.05 10.00 8.82 W5 5 0.84 5.19 1.19 10.00 5.18 W5 6 0.87 5.19 1.57 10.00 7.10 W5 7 0.86 5.19 1.85 10.00 8.24 W5 8 0.87 5.19 1.60 10.00 7.22 W5 9 0.84 5.19 2.82 10.00 12.28 | EXISTING WS I | 0.60 | 5.19 | 19.40 | 10.00 | 60.43 |
| WS 3 0.68 5.19 1.67 10.00 5.91 WS 4 0.83 5.19 2.05 10.00 8.82 WS 5 0.84 5.19 1.19 10.00 5.18 WS 6 0.87 5.19 1.57 10.00 7.10 WS 7 0.86 5.19 1.85 10.00 8.24 WS 8 0.87 5.19 1.60 10.00 7.22 WS 9 0.84 5.19 2.82 10.00 12.28 | WS I | 0.90 | 5.19 | 0.34 | 10.00 | 1.58 |
| W5 4 0.83 5.19 2.05 10.00 8.82 W5 5 0.84 5.19 1.19 10.00 5.18 W5 6 0.87 5.19 1.57 10.00 7.10 W5 7 0.86 5.19 1.85 10.00 8.24 W5 8 0.87 5.19 1.60 10.00 7.22 W5 9 0.84 5.19 2.82 10.00 12.28 | WS 2 | 0.90 | 5.19 | 0.91 | 10.00 | 4.27 |
| W9 5 0.84 5.19 1.19 10.00 5.18 W5 6 0.87 5.19 1.57 10.00 7.10 W5 7 0.86 5.19 1.85 10.00 8.24 W5 8 0.87 5.19 1.60 10.00 7.22 W5 9 0.84 5.19 2.82 10.00 12.28 | WS 3 | 0.68 | 5.19 | 1.67 | 10.00 | 5.91 |
| W5 6 0.87 5.19 1.57 10.00 7.10 W5 7 0.86 5.19 1.85 10.00 8.24 W5 8 0.87 5.19 1.60 10.00 7.22 W5 9 0.84 5.19 2.82 10.00 12.28 | WS 4 | 0.83 | 5.19 | 2.05 | 10.00 | 8.82 |
| W5 7 0.86 5.19 1.85 10.00 8.24 W5 8 0.87 5.19 1.60 10.00 7.22 W5 9 0.84 5.19 2.82 10.00 12.28 | WS 5 | 0.84 | 5.19 | 1.19 | 10.00 | 5.18 |
| W5 8 0.87 5.19 1.60 10.00 7.22 W5 9 0.84 5.19 2.82 10.00 12.28 | WS 6 | 0.87 | 5.19 | 1.57 | 10.00 | 7.10 |
| W5 9 0.84 5.19 2.82 10.00 12.28 | WS 7 | 0.86 | 5.19 | 1.85 | 10.00 | 8.24 |
| | WS 8 | 0.87 | 5.19 | 1.60 | 10.00 | 7.22 |
| W9 10 0 86 5 19 2 13 10 00 9 50 | WS 9 | 0.84 | 5.19 | 2.82 | 10.00 | 12.28 |
| W3 10 0.00 3.10 2.13 10.00 0.30 | WS 10 | 0.86 | 5.19 | 2.13 | 10.00 | 9.50 |
| WS II 0.84 5.19 3.28 10.00 14.31 | WS II | 0.84 | 5.19 | 3.28 | 10.00 | 14.31 |

0.9191

5.4197

DRAINAGE AREA AREA (AC) "A" VOLUME COEFFICIENT PROVIDED (AC-FT) 0.3373 0.90 0.1012 WS 2 0.9139 0.2742 1.6735 0.68 0.3793 WS 3 2.0464 0.5662 0.83 WS 4 1.1879 0.3326 WS 5 0.84 1.5719 0.87 0.4559 WS 6 7.0836 1.8460 0.86 0.5292 1.5995 0.87 0.4639 0.7886 WS 9 2.8163 0.84 2.1269 0.6097 WS 10 0.86

TOTAL

REQUIRED PONDING CALCULATIONS

3.2825