

MAP OF TOPOGRAPHY AND DRAINAGE:
MAPA DE TOPOGRAFIA Y DESAGÜE: +212.00

SUBDIVISION MAP OF
**PUEBLO DE PALMAS AT MILE 4
PHASE 2**

BEING A RESUBDIVISION OF 100.190 ACRES
CONSISTING OF
52.392 ACRES OUT OF LOTS 47 THRU 52
J.H. CARTER SUBDIVISION
VOL. 2, PG. 44, H.C.M.R. &
47.118 ACRES OUT OF LOTS 21-24 &
BEING ALL OF LOTS 1 THRU 3
HOMEVILLE SUBDIVISION "C"
VOL. 6, PG. 60, H.C.M.R.
&
0.680 OF ONE ACRE OUT OF A COUNTY ROAD RIGHT-OF-WAY
LYING BETWEEN SAID J.H. CARTER SUBDIVISION &
HOMEVILLE SUBDIVISION "C"
HIDALGO COUNTY, TEXAS.

OVERALL DRAINAGE STATEMENT
PUEBLO DE PALMAS AT MILE 4 PHASE 1 & 2

PUEBLO DE PALMAS AT MILE 4 PHASE 1 & 2 IS A 234.977 ACRE BEING 101.777 ACRES OF LAND OUT OF LOTS 47 THRU 52, J.H. CARTER SUBDIVISION, HIDALGO COUNTY, TEXAS AS RECORDED IN VOLUME 2, PAGE 44, HIDALGO COUNTY MAP RECORDS AND 133.200 ACRES OF LAND OUT OF LOTS 1 THRU 3, J. THRU 30, HOMEVILLE "C" SUBDIVISION, HIDALGO COUNTY TEXAS AS RECORDED IN VOLUME 6, PAGE 60, HIDALGO COUNTY MAP RECORDS. THE PROPERTY IS LOCATED ALONG THE NORTH SIDE OF MILE 4 NORTH ROAD AND ALONG THE EAST SIDE OF F.M. 2221. THE PROPERTY IS CURRENTLY OPEN AND IS LOCATED IN ZONE C UNSHADED IN FEMA'S FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 480334 0275 B, MAP REVISED JANUARY 2, 1981. ZONE C UNSHADED IS AN "AREA OF MINIMAL FLOODING".

THE SOILS ARE FINE SANDY LOAM, WHICH ARE IN HYDROLOGIC GROUP "B" & "C" RESPECTIVELY. SOIL GROUP "B" & "C" IS MODERATELY PERVIOUS WITH A RELATIVELY LOW PLASTICITY INDEX. (SEE EXCERPTS FROM SOIL SURVEY OF HIDALGO COUNTY, TEXAS). FOR THE PURPOSE OF THIS REPORT, WE WILL USE SOIL TYPE "C", THE MOST COMMON SOIL ON THE SITE.

EXISTING RUNOFF IS BY SURFACE FLOW IN A WESTERLY AND SOUTHERLY DIRECTION AND HAS A RUNOFF OF 73.56 C.F.S. DURING THE 25-YEAR STORM FREQUENCY AS PER THE ATTACHED CALCULATIONS.

THE OVERALL PROPOSED DRAINAGE FOR PUEBLO DE PALMAS AT MILE 4 PHASE 1 & 2 CONSISTS OF SURFACE RUNOFF FROM THE LOTS INTO THE PROPOSED STREETS & BAR DITCHES. THE RUNOFF FROM THE STREETS AND BAR DITCHES SHALL DRAIN INTO 18" DRAIN LINE AND CLIVE TO DIRECT RUNOFF TO THE DRAINAGE SWALES LOCATED AT THE REAR OF THE LOTS. THE DRAINAGE SWALES HAVE BEEN DESIGNED TO HOLD RUNOFF FROM THIS SUBDIVISION AND WILL SERVE TO RETAIN RUNOFF, WHICH WILL EVAPORATE AND PENETRATE INTO THE SOIL.

IN ACCORDANCE WITH THE HIDALGO COUNTY DRAINAGE POLICY, THE PEAK RATE OF RUNOFF IN THE SUBDIVISION WILL NOT BE INCREASED DURING THE 25-YEAR RAINFALL EVENT DUE TO THE IMPROVEMENTS IN THIS SUBDIVISION. THEREFORE, AS PER ATTACHED CALCULATIONS, 657.888 CHRD FEET OF DEFENTION WILL BE PROVIDED IN THIS SUBDIVISION. 4 "TRAPEZOID" SHAPED SWALE SHALL BE CONSTRUCTED AND SHALL BE 16IN. TO 24 IN. DEEP IN ORDER TO DETAIN RUNOFF.

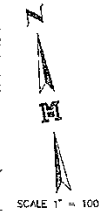
CERTIFICATION:
BY MY SIGNATURE BELOW, I CERTIFY THAT THE 100 YEAR FLOODPLAIN AS DESCRIBED IN COMMUNITY PANEL NUMBER 480334 0275 B, REVISED JANUARY 2, 1981 IS CONTAINED WITHIN THE DRAINAGE SWALES ALONG THE REAR OF ALL LOTS OF THE SUBDIVISION.



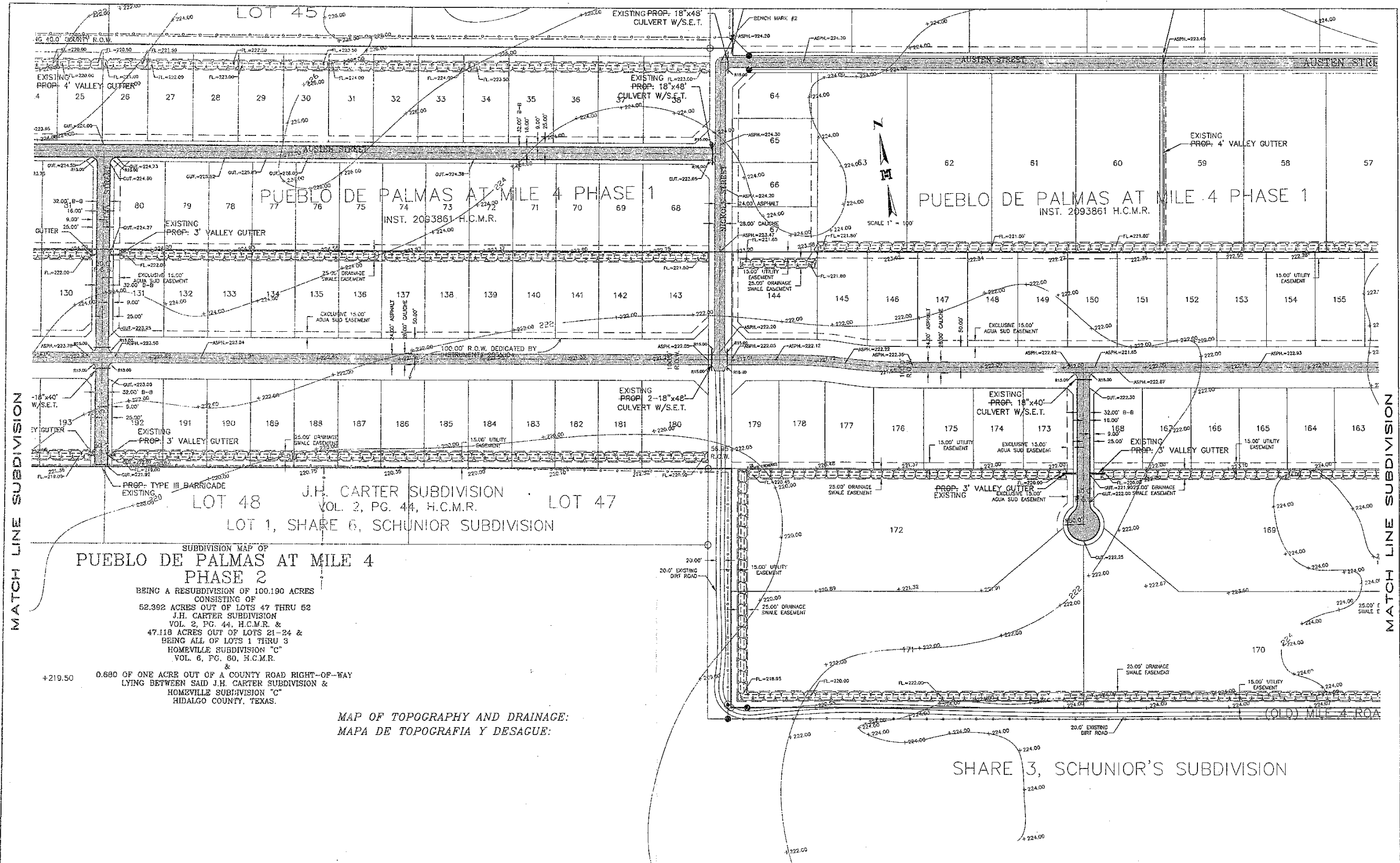
| REVISION NOTES | | | | |
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| NO. | SHEET | REVISION | DATE | APPROVED |
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L.D. 2 Kurth
17-1-82



MATCH LINE SUBDIVISION



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 CONSISTING OF
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 HIDALGO COUNTY, TEXAS.

MAP OF TOPOGRAPHY AND DRAINAGE:
 MAPA DE TOPOGRAFIA Y DESAGUE:

SHARE 3, SCHUNIOR'S SUBDIVISION

| REVISION NOTES | | | | SHEET 6 OF 8 SHEETS | |
|----------------|-------|----------|------|---------------------|--|
| #1 | SHEET | REVISION | DATE | APPROVED | |
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