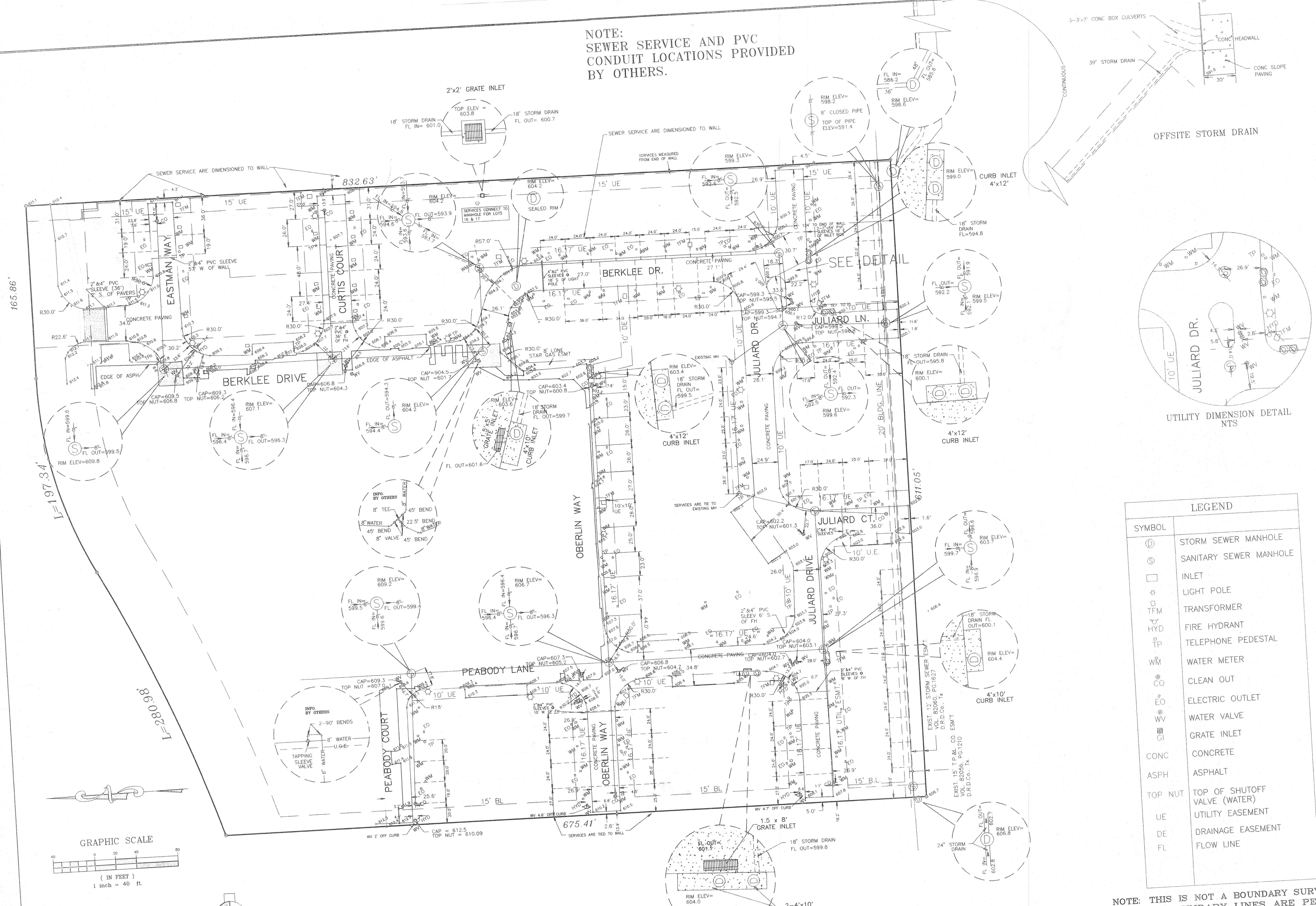
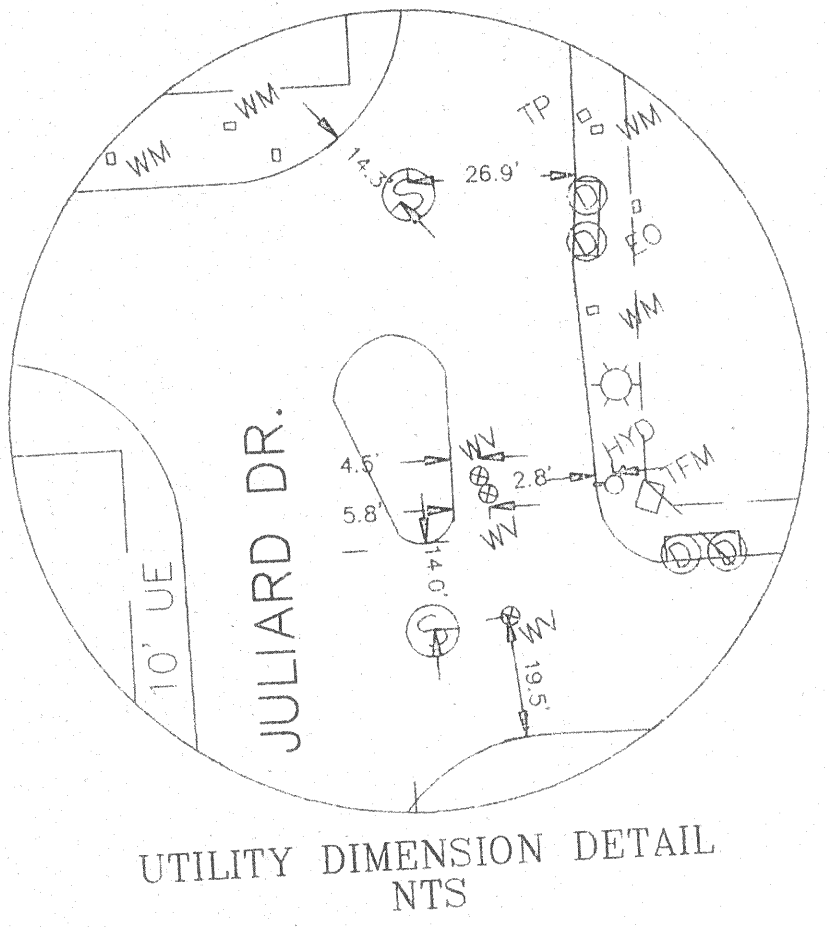


NOTE:  
SEWER SERVICE AND PVC  
CONDUIT LOCATIONS PROVIDED  
BY OTHERS.

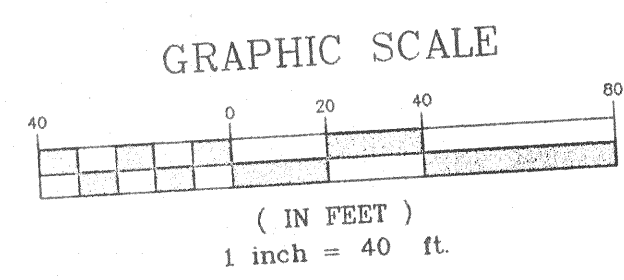


OFFSITE STORM DRAIN



LEGEND	
⊙	STORM SEWER MANHOLE
⊙	SANITARY SEWER MANHOLE
□	INLET
⊕	LIGHT POLE
⊕	TRANSFORMER
⊕	FIRE HYDRANT
⊕	TELEPHONE PEDESTAL
WM	WATER METER
⊕	CLEAN OUT
⊕	ELECTRIC OUTLET
⊕	WATER VALVE
⊕	GRATE INLET
CONC	CONCRETE
ASPH	ASPHALT
TOP NUT	TOP OF SHUTOFF VALVE (WATER)
UE	UTILITY EASEMENT
DE	DRAINAGE EASEMENT
FL	FLOW LINE

NOTE: THIS IS NOT A BOUNDARY SURVEY  
ALL LOT/BOUNDARY LINES ARE PER  
RECORDED PLAT OF TOWNHOMES OF ADDISON



BENCHMARK:  
TOP OF OPERATING NUT OF FIRE HYDRANT  
433' WEST AND 15' SOUTH OF S.E. CORNER  
OF PROPERTY.  
ELEVATION=606.35

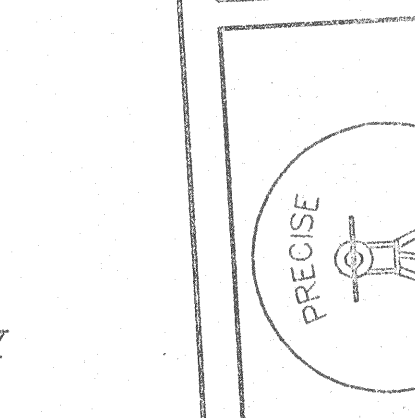
REVISIONS	DATE

PROJECT NO.	DATE
96-4443	01/20/97

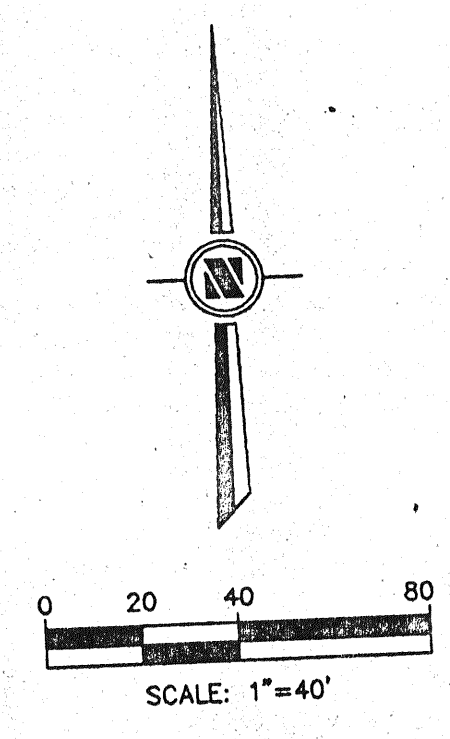
DRAWN BY	APPROVED BY
SD	RDS

AS - BUILT OF STREETS & UTILITIES.  
TOWNHOMES OF ADDISON

PRECISE LAND SURVEYING, INC.  
4915 GUS THOMASSON ROAD • MESQUITE, TEXAS 75150  
(972) 681-7072 FAX (972) 279-1508







HUIE ADDISON ADDITION  
VOL. 84194, PG. 2175  
D.R.D.Co.,Tx.

**SURFACE DRAINAGE CALCULATIONS**

DA	C	I <sub>100</sub> (in/hr)	A (acres)	Q <sub>100</sub> (cfs)
1	0.80	8.74	1.86	12.98
2	0.80	8.74	1.61	11.25
3	0.80	8.74	2.79	19.51
4	0.80	8.74	1.33	10.70
5	0.80	8.74	0.191	1.34
6	0.80	8.74	0.98	6.85
7	0.80	8.74	1.47	10.28
8	0.80	8.74	0.14	0.98
9	0.80	8.74	0.25	1.75

**STORMWATER RUNOFF DESIGN CRITERIA**  
C = 0.80  
I = 8.74  
T<sub>c</sub> = 10 min

- LEGEND**
- DRAINAGE DIVIDE
  - FLOW ARROWS
  - 5 AREA NO.  
3.05 AREA  
21.32 DISCHARGE

**NOTE:**  
THESE DOCUMENTS &/OR SPECIFICATIONS MAY BE USED FOR PURPOSES AS INDICATED BELOW

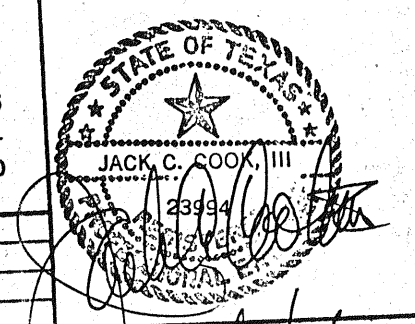
<input type="checkbox"/> COORDINATION & OR PRELIMINARY	<input checked="" type="checkbox"/> PERMITTING
<input type="checkbox"/> BIDDING ONLY	<input checked="" type="checkbox"/> CONSTRUCTION

UNDER THE AUTHORITY OF JACK C. COOK III  
PROFESSIONAL ENGINEER

THESE DRAWINGS TO BE USED FOR PERMIT OR CONSTRUCTION ARE VALID ONLY IF BEARING PROFESSIONAL'S SEAL AND SIGNATURE NOT COPIED AND DATED.

BENCHMARK:  
TOP OF OPERATING NUT ON FIRE HYDRANT,  
433' WEST AND 15' SOUTH OF S.E. CORNER  
OF PROPERTY.  
ELEVATION 806.35

**COOK CONSULTANTS, INC.**  
CIVIL AND STRUCTURAL ENGINEERING  
LAND SURVEYING AND LAND PLANNING  
12250 Inwood Road • Suite 10 • Dallas, Texas 75244  
[214] 387-1890 • 1-800-545-8093 • Fax [214] 387-8210



**DRAINAGE AREA MAP**  
TOWN HOMES OF ADDISON

DEPARTMENT OF PUBLIC WORKS  
TOWN OF ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
10	LAC	10/25/95	1"=40'	CC		

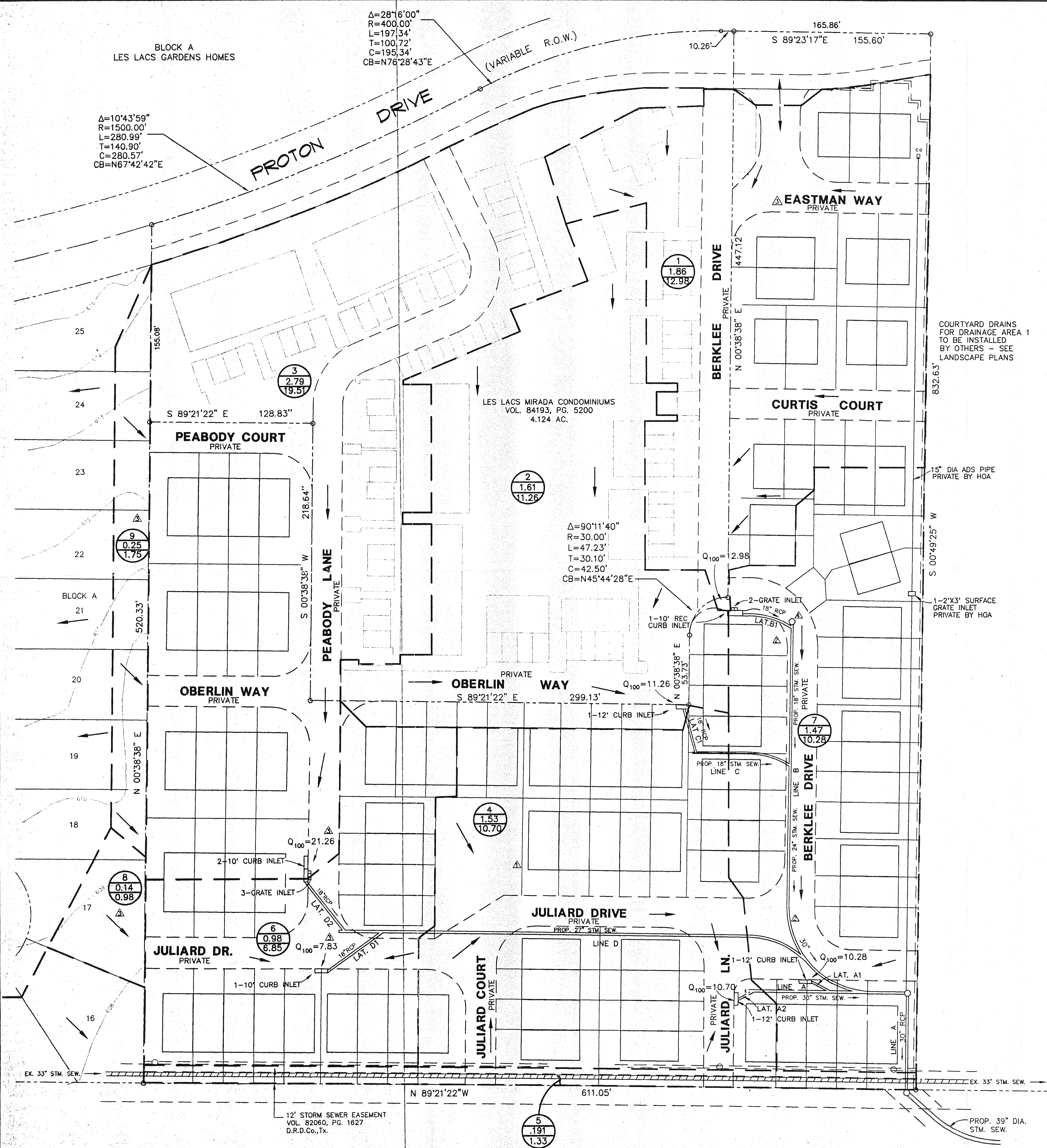
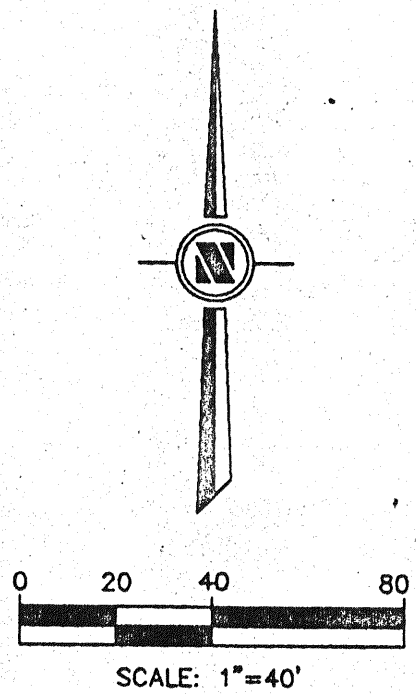
REV.	PER CITY COMMENTS	DATE
1		5/21/96
2		4/29/96
3		4/25/96

DATE: 6/10/96  
PROJECT NO. 81215-35

4  
14



H-2  
 Town Homes of Addison  
 H-2-Building



COURTYARD DRAINS FOR DRAINAGE AREA 1 TO BE INSTALLED BY OTHERS - SEE LANDSCAPE PLANS

15" DIA ADS PIPE PRIVATE BY HOA

1-2'X3' SURFACE GRATE INLET PRIVATE BY HOA

HUIE ADDISON ADDITION  
VOL. 84194, PG. 2175  
D.R.D.Co.,Tx.

**SURFACE DRAINAGE CALCULATIONS**

DA	C	I <sub>100</sub> (in/hr)	A (acres)	Q <sub>100</sub> (cfs)
1	0.80	8.74	1.86	12.98
2	0.80	8.74	1.61	11.25
3	0.80	8.74	2.79	19.51
4	0.80	8.74	1.33	10.70
5	0.80	8.74	0.191	1.34
6	0.80	8.74	0.98	6.85
7	0.80	8.74	1.47	10.28
8	0.80	8.74	0.14	0.98
9	0.80	8.74	0.25	1.75

**LEGEND**

DRAINAGE DIVIDE   
 FLOW ARROWS

AREA NO.  
 AREA  
 DISCHARGE

**STORMWATER RUNOFF DESIGN CRITERIA**

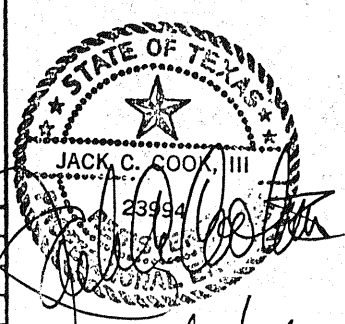
C= 0.80  
 I= 8.74  
 Tc = 10 min

**NOTE:**  
 THESE DOCUMENTS &/OR SPECIFICATIONS MAY BE USED FOR PURPOSES AS INDICATED BELOW  
 COORDINATION & OR PRELIMINARY  PERMITTING  
 BIDDING ONLY  CONSTRUCTION  
 UNDER THE AUTHORITY OF JACK C. COOK III  
 PROFESSIONAL ENGINEER  
THESE DRAWINGS TO BE USED FOR PERMIT OR CONSTRUCTION ARE VALID ONLY IF BEARING THE ENGINEER'S SEAL AND SIGNATURE PROF. CORNER AND SAVED.

BENCHMARK:  
 TOP OF OPERATING NUT ON FIRE HYDRANT,  
 433' WEST AND 15' SOUTH OF S.E. CORNER  
 OF PROPERTY.  
 ELEVATION 606.35

4  
14

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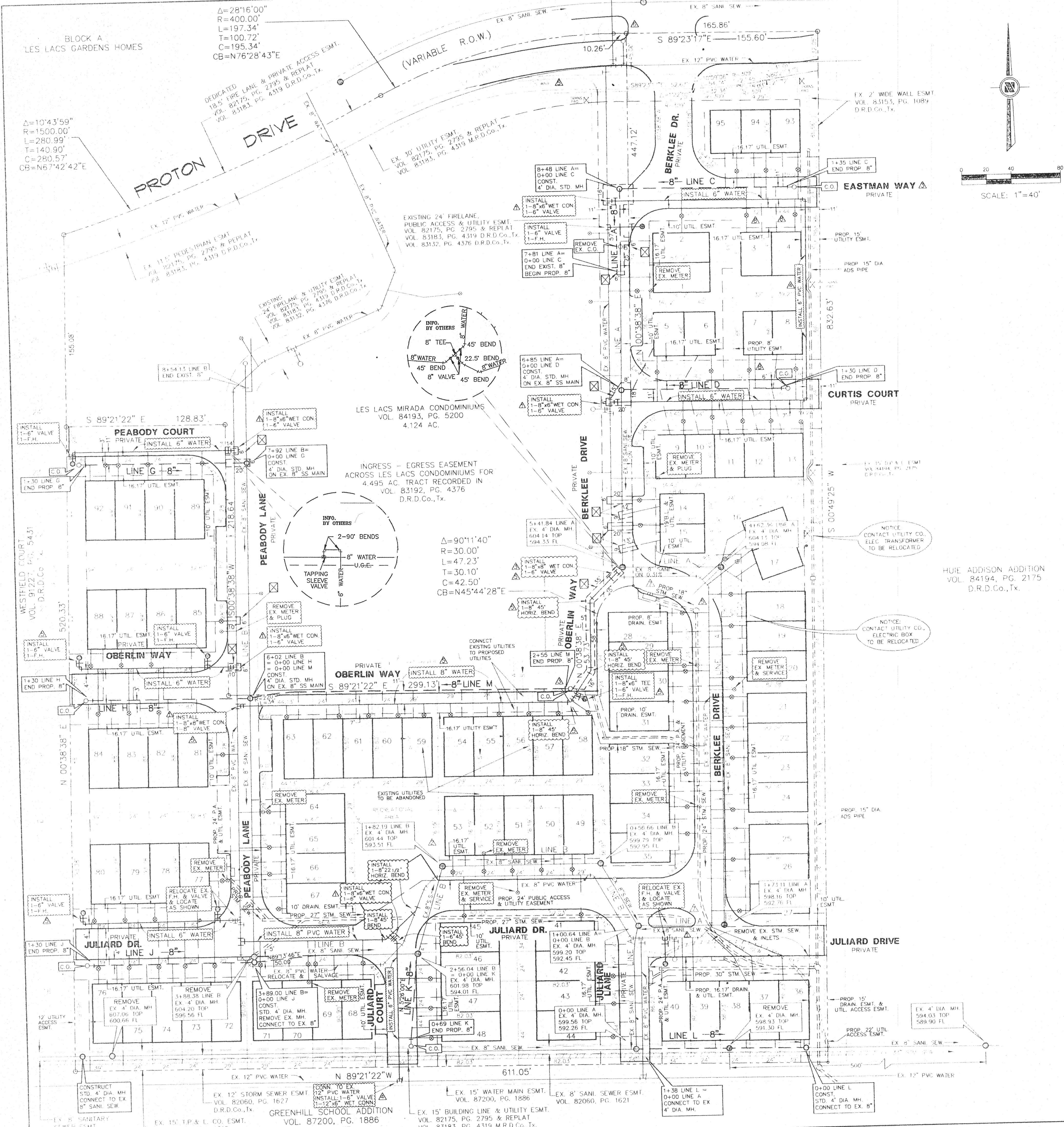
**DRAINAGE AREA MAP  
TOWN HOMES OF ADDISON**

**DEPARTMENT OF PUBLIC WORKS  
TOWN OF ADDISON, TEXAS**

REV. NO.	PROJ. NO.	DESCRIPTION	DATE	DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
1		REV. PER CITY COMMENTS	5/21/98							
2		CITY COMMENTS	4/29/98							
3		REVISED STORM SEWER	4/25/98							
4		MOVED LOT LINE	2/15/96							

LD	LAC	10/25/95	1"=40'	CCI		
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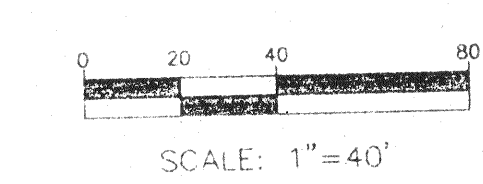




$\Delta=10'43'59"$   
 $R=1500.00'$   
 $L=280.99'$   
 $T=140.90'$   
 $C=280.57'$   
 $CB=N67'42'42"E$

$\Delta=28'16'00"$   
 $R=400.00'$   
 $L=197.34'$   
 $T=100.72'$   
 $C=195.34'$   
 $CB=N76'28'43"E$

$\Delta=90'11'40"$   
 $R=30.00'$   
 $L=47.23'$   
 $T=30.10'$   
 $C=42.50'$   
 $CB=N45'44'28"E$



**GENERAL NOTES**

- ALL WATER MAINS SHALL BE PVC CLASS 200 WATER PIPE.
- ALL WATER MAINS SHALL HAVE A MINIMUM COVER BELOW FINISHED GRADES AS FOLLOWS: 6" & 8" - 48", 12" - 60", OR AS REQUIRED TO CLEAR OTHER UTILITIES.
- THE LOCATION OF ALL UTILITIES ARE TAKEN FROM EXISTING PUBLIC RECORDS. THE EXACT LOCATION MUST BE DETERMINED BY THE CONTRACTOR. IT IS THE DUTY OF THE CONTRACTOR TO ASCERTAIN WHETHER ANY OTHER FACILITIES (ADDITIONAL), OTHER THAN THOSE ON THE PLANS, MAY BE PRESENT.
- ALL UTILITY TRENCHES UNDER PROPOSED PAVING SHALL BE BACKFILLED AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
- ALL MANHOLES, CLEANOUTS, VALVE BOXES, FIRE HYDRANTS, ETC. MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR AFTER PLACING OF PERMANENT PAVING.
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF ADDISON STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "AS-BUILT" PLANS TO THE ENGINEER SHOWING THE LOCATION OF SEWER SERVICE BY DISTANCE TO THE LOT LINES.
- ALL WATER SERVICES SHALL BE 1" COPPER AND LOCATED AS SHOWN (EXCEPT AS NOTED).
- ALL WATER AND SEWER LATERALS SHALL BE EXTENDED 2' BEYOND BACK OF CURB.
- ALL SANITARY SEWER LATERALS SHALL BE 6" AND LOCATED AS SHOWN.
- BACKFLOW PREVENTION ASSEMBLIES ARE TO BE INSTALLED BY THE PLUMBER AFTER THE WATER METER INSTALLATION. ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE IN COMPLIANCE WITH THE TOWN OF ADDISON STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL STAMP A 2-INCH "S" AND A 2-INCH "W" IN THE CURB AT THE LOCATION OF THE SEWER SERVICE AND WATER SERVICE LINES, RESPECTIVELY.
- PRIOR TO BEGINNING CONSTRUCTION, THE OWNER OR HIS AUTHORIZED REPRESENTATIVE SHALL CONVENE A PRE-CONSTRUCTION CONFERENCE BETWEEN THE TOWN OF ADDISON, CONSULTING ENGINEER, CONTRACTOR(S), UTILITY COMPANIES AND ANY OTHER AFFECTED PARTIES. NOTIFY BRUCE ELLIOTT, 450-2847 AT LEAST 48-HOURS PRIOR TO BEGINNING OF CONSTRUCTION.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES TO LOCATE EXISTING FACILITIES. THESE INCLUDE BUT MAY NOT BE LIMITED TO THE FOLLOWING:
  - 1) THE TOWN OF ADDISON
  - 2) LONE STAR GAS
  - 3) SOUTHWESTERN BELL
  - 4) TUI
  - 5) HERRON
  - 6) TUELECTRIC
  - 7) MET
  - 8) MFC
  - 9) SPRINT
  - 10) T&E
- THE CONTRACTOR SHALL SUBMIT MATERIAL SHEETS TO THE TOWN OF ADDISON FOR APPROVAL PRIOR TO INCORPORATING MATERIALS INTO THE JOB.
- THE UTILITY CONTRACTOR SHALL SUBMIT TO THE TOWN OF ADDISON FOR APPROVAL A PRELIMINARY SAFETY PLAN, SEALED BY A REGISTERED PROFESSIONAL ENGINEER FOR THE INSTALLATION OF UTILITIES GREATER THAN FIVE (5) FEET IN DEPTH.
- ALL PROPOSED WATER METERS ARE TO BE INSTALLED BY OTHER.

**LEGEND**

- EXISTING WATER: 0+00 EX 4" DIA. MH 604.13 TOP 594.08 FL
- PROPOSED WATER: INSTALL 4" DIA. MH 604.13 TOP 594.08 FL
- EXISTING WASTEWATER: 0+00 EX 4" DIA. MH 604.13 TOP 594.08 FL
- PROPOSED WASTEWATER: 0+00 PROP 4" DIA. MH 604.13 TOP 594.08 FL
- SAW CUT, REMOVE & REPLACE EX. CONC. TO MATCH EXISTING

**BENCHMARK:**  
 TOP OF OPERATING NUT ON FIRE HYDRANT,  
 433' WEST AND 15' SOUTH OF S.E. CORNER  
 OF PROPERTY.  
 ELEVATION 606.35

THE DRAWING SPECIFICATIONS, AND OTHER DOCUMENTS PREPARED BY CONSULTANTS, INC. FOR THIS PROJECT ARE INCORPORATED BY REFERENCE INTO THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE TOWN OF ADDISON, TEXAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE TOWN OF ADDISON, TEXAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE TOWN OF ADDISON, TEXAS.

WATER & WASTEWATER PLAN									
TOWN HOMES OF ADDISON									
AS-BUILT									
DEPARTMENT OF PUBLIC WORKS									
TOWN OF ADDISON, TEXAS									
REV. NO.	PROJ. NO.	DESCRIPTION	DATE	DESIGN	DRAWN	DATE	SCALE	NOTES	FILE
		DELETED LINE E, RELOC. LAT'S REV. LOT 28 AND ADDED ISLAND	8/02/96						
		REVISED PER CITY COMMENTS	7/11/96						
		REVISED PER CITY COMMENTS	6/06/96						
		REVISED PER CITY COMMENTS	5/21/96						
		REVISED PER CITY COMMENTS	5/15/96						
		MOVED LOT LINE	4/30/96						
		REFER TO ADDENDUM 2A	2/15/96						
			2/14/96						