FLOODPLAIN NOTE

SUBJECT TRACT LOCATED IN ZONE "X", AREAS OF 500-YEAR FLOOD; AREAS OF 100-YEAR FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1-FOOT OR DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 100-YEAR FLOOD AS DELINEATED ON FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP PANEL NO. 48201C0885 J DATED NOVEMBER 6, 1996. ELEVATIONS WERE NOT OBTAINED ON SUBJECT TRACT.

TSARP FLOOD HAZARD INFORMATION IS EDUCATIONAL AND CANNOT BE USED TO DETERMINE FLOOD INSURANCE RATES OR STATUS. THIS INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE AND MAY BE DIFFERENT THAN THE PRELIMINARY DFIRMS WHEN THEY ARE RELEASED. THIS INFORMATION IS BEING MADE AVAILABLE TO THE PUBLIC TO ASSIST IN MAKING INFORMED DECISIONS ABOUT FLOODING RISKS. THE HARRIS COUNTY FLOOD CONTROL DISTRICT HAS SUPPLIED THIS DATA. NO EXPRESS WARRANTIES ARE MADE BY HCFCD CONCERNING THE ACCURACY, COMPLETENESS, FITNESS, RELIABILITY, USABILITY, OR SUITABILITY OF THE DATA FOR ANY PURPOSE. HCFCD SHALL NOT BE LIABLE FOR INCORRECT RESULTS OR DAMAGES RESULTING DIRECTLY OR INDIRECTLY FROM THE USE OF THE DATA. HCFCD SHALL HAVE NO DUTY TO UPDATE THE DATA, EVEN IF IT SHOULD BECOME AWARE OF INACCURACIES IN THE DATA. THE USER ASSUMES ALL RISKS ASSOCIATED WITH THE USE OF THE DATA. THE INFORMATION WILL BECOME NULL AND VOID UPON RELEASE OF THE PRELIMINARY DFIRMS

REFERENCE BENCHMARK
FLOODPLAIN REFERENCE MARK NUMBER 040020 IS AN HCFCD BRASS DISK STAMPED BM6 WEISSER ON BRIDGE AT SOUTH 75TH STREET N-BOUND AND BRAYS BAYOU LOCATED ON DOWNSTREAM, EAST SIDEWALK OF N-BOUND BRIDGE, AT STREAM CENTERLINE IN KEYMAP 495W IN THE BRAYS WATERSHED NEAR STREAM D100-00-00.
ELEVATION = 20.35 (FEET) NAVD 1988, 2001 ADJUSTMENT
TSARP (TROPICAL STORM ALLISON RECOVERY PROJECT)

SITE BENCHMARK
TBM1- PK NAIL WITH SHINER, LOCATED APPROX. 240 FT. WEST OF THE CENTERLINE OF 74TH STREET AT THE CENTERLINE OF AVENUE "E".
ELEVATION = 32.17 (FEET)

SITE BENCHMARK
TBM2- PK NAIL WITH SHINER, LOCATED APPROX. 215 FT. EAST OF THE CENTERLINE OF 73RD STREET AT THE CENTERLINE OF AVENUE "F".
ELEVATION = 32.58 (FEET)

TOTAL SQUARE FOOTAGE OF PROJECT SITE = 40,950 Sq.Ft. = 0.9401 Ac.

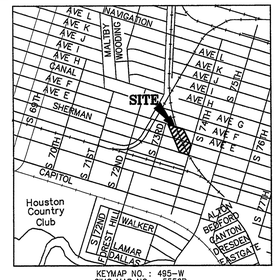
TOTAL SQUARE FOOTAGE OF NEW PAVING (PARKING AND CONC. WALK) = 5,116 Sq.Ft. = 0.1174 Ac.

TOTAL SQUARE FOOTAGE OF NEW BUILDING CONC. SLAB = 16,754 Sq.Ft. = 0.3846 Ac.

TOTAL LINEAR FEET OF NEW CONC. SIDEWALK = 181 Ft.

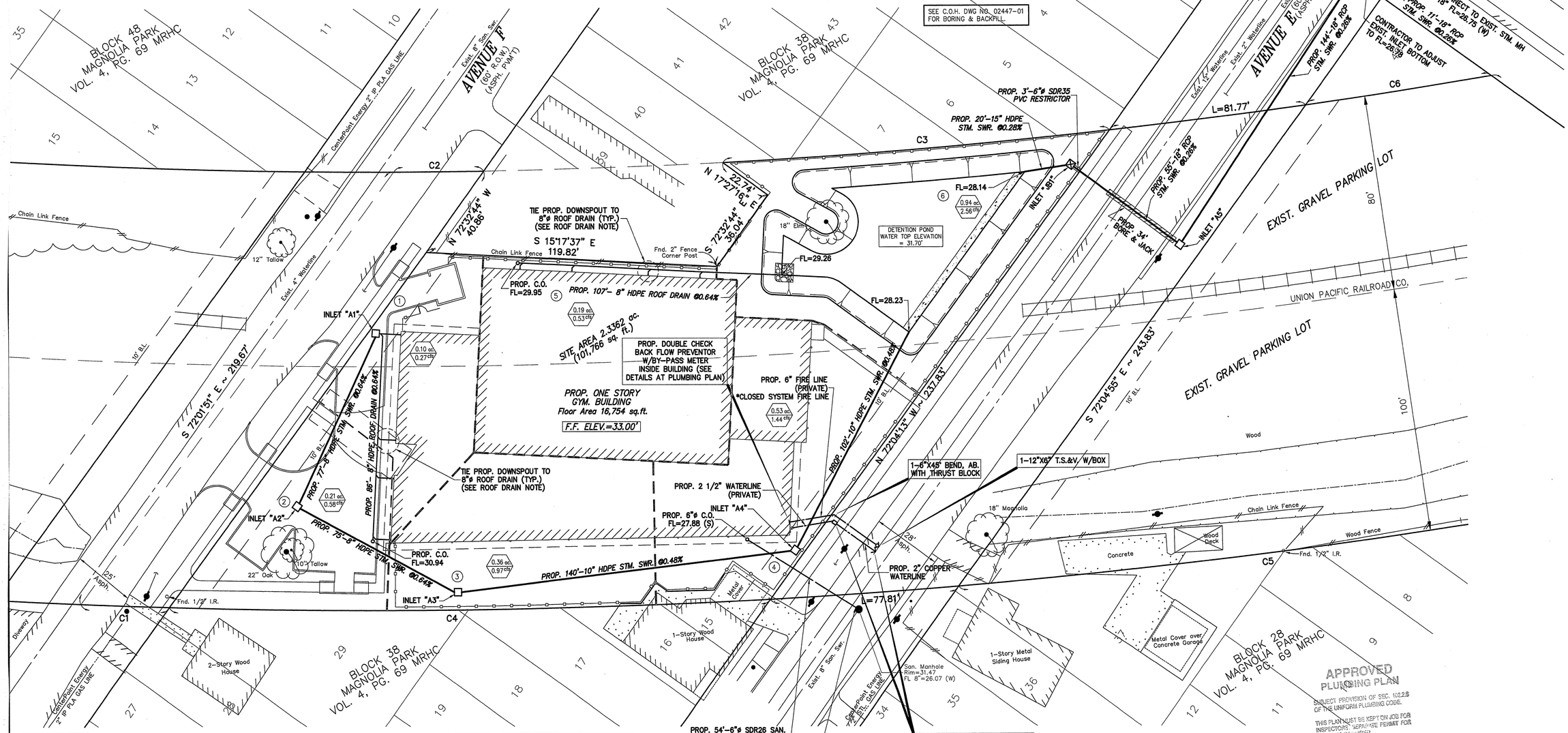
HDPE PIPE NOTE:
ALL HDPE PIPES WILL BE N-12 IB ST SOIL-TIGHT JOINT PIPE WITH SMOOTH INTERIOR AND CORRUGATED EXTERIOR WITH MANNING'S n=0.012. MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS CO. (ADS) OR EQUAL.

ROOF DRAIN NOTE:
CONNECT PROP. ROOF DOWNSPOUT TO THE PROP. 8"ø ROOF DRAIN BY A 6"ø HDPE PIPE.



CONTRACTOR TO PROBE ALL UNDERGROUND UTILITIES BETWEEN R.O.W. AND VERIFY CLEARANCE PRIOR TO BORE & JACK OPERATION.

SEE C.O.H. DWG NO. 02447-01 FOR BORING & BACKFILL.



LEGEND

- Anchor
- Pipeline Vent
- B-Inlet
- BB-Inlet
- Fire Hydrant
- Light Standard
- Power Pole
- Sign
- Water Meter
- Water Valve
- Overhead Electric
- Traffic Pullbox
- Guard Post

CURVE TABLE				
CURVE	DELTA	RADIUS	ARC LENGTH	CHORD
C1	00°42'27"	2,914.79'	35.99'	N16°05'31"W ~ 35.99'
C2	00°46'42"	2,734.79'	37.15'	S18°40'47"E ~ 37.15'
C3	03°20'56"	2,734.79'	159.84'	S22°48'21"E ~ 159.82'
C4	04°52'56"	2,914.79'	248.37'	N18°53'12"W ~ 248.29'
C5	05°24'26"	2,914.79'	275.07'	N25°33'39"W ~ 274.97'
C6	01°37'29"	2,734.79'	77.55'	S27°00'20"E ~ 77.55'

INLET & MANHOLE TABLE	
INLET NO.	DESCRIPTION
A1	PROP. TYPE 'A' INLET TOP 32.20 8" FL=30.39 (W)
A2	PROP. TYPE 'A' INLET TOP 32.00 8" FL=29.90 (E&S)
A3	PROP. TYPE 'A' INLET TOP 31.25 10" FL=29.42 (S) 8" FL=29.42 (N)
A4	PROP. TYPE 'A' INLET TOP 31.45 10" FL=28.71 (N&E)

INLET & MANHOLE TABLE	
INLET NO.	DESCRIPTION
JB1	PROP. JUNCTION BOX W/LID TOP 31.95 18" FL=27.28 (S) 15" FL=28.08 (NW) 6" RESTRICTOR FL=27.28 (S)
A5	PROP. TYPE 'A' INLET TOP 31.50 18" FL=27.15 (N&E)

FIRE LINE NOTE:

CLOSED SYSTEM -- DO NOT HAVE FIRE HYDRANTS (SPRINKLER ONLY)

* THIS CLOSED SYSTEM WILL REQUIRE A DOUBLE CHECK DETECTOR BACK FLOW PREVENTION ASSEMBLY WITH A METERED BY PASS LOCATED ON PRIVATE PROPERTY IN A LOCATION THAT MAY BE INSIDE OR OUTSIDE THE STRUCTURE AND OWNED AND MAINTAINED BY THE OWNER PROVIDED THAT THE BYPASS METER WILL BE OWNED AND MAINTAINED BY THE CITY.

LEGEND:

- PROP. 'A' INLET
- PROP. JUNCTION BOX
- PROP. CURB
- PROP. CLEANOUT
- DRAINAGE BOUNDARY

APPROVED PLUMBING PLAN
SUBJECT PROVISION OF SEC. 102.2.8 OF THE UNIFORM PLUMBING CODE.
THIS PLAN MUST BE KEPT ON JOB FOR INSPECTORS. SEPARATE PERMIT FOR PLUMBING REQUIRED.
NO. 391

STATE OF TEXAS
REN-CHYUN WENG
79426
REGISTERED PROFESSIONAL ENGINEER
4-30-07

RENEngineering, Inc.
Consulting Engineers
6100 Corporate Dr., Suite 515, Houston, TX 77036
Tel: 713-981-0041 • Fax: 713-981-1156

PROJ.: 06020	SUBMITTED: REN	SCALE: 1" = 20'-0"	DATE: 4/30/2007
DESIGNED: S.W.	DRAWN: S.W.	SURVEY: CF&A	SHEET 3 OF 10

Community Family Centers
Centros Familiares de la Comunidad

John P. McGovern, M.D. Community Sports & Recreation Building
7318 AVENUE F
HOUSTON, TEXAS 77011

THAT'S ARCHITECTURE
2402 COMMONWEALTH #100, HOUSTON, TX 77006
TELEPHONE 713/222-1406 FAX 713/222-1506

ISSUES & REVISIONS

SHEET TITLE
DRAINAGE AND UTILITIES PLAN

PROJECT NO. 2001-30
SCALE AS NOTED

SHEET NUMBER
C3.0