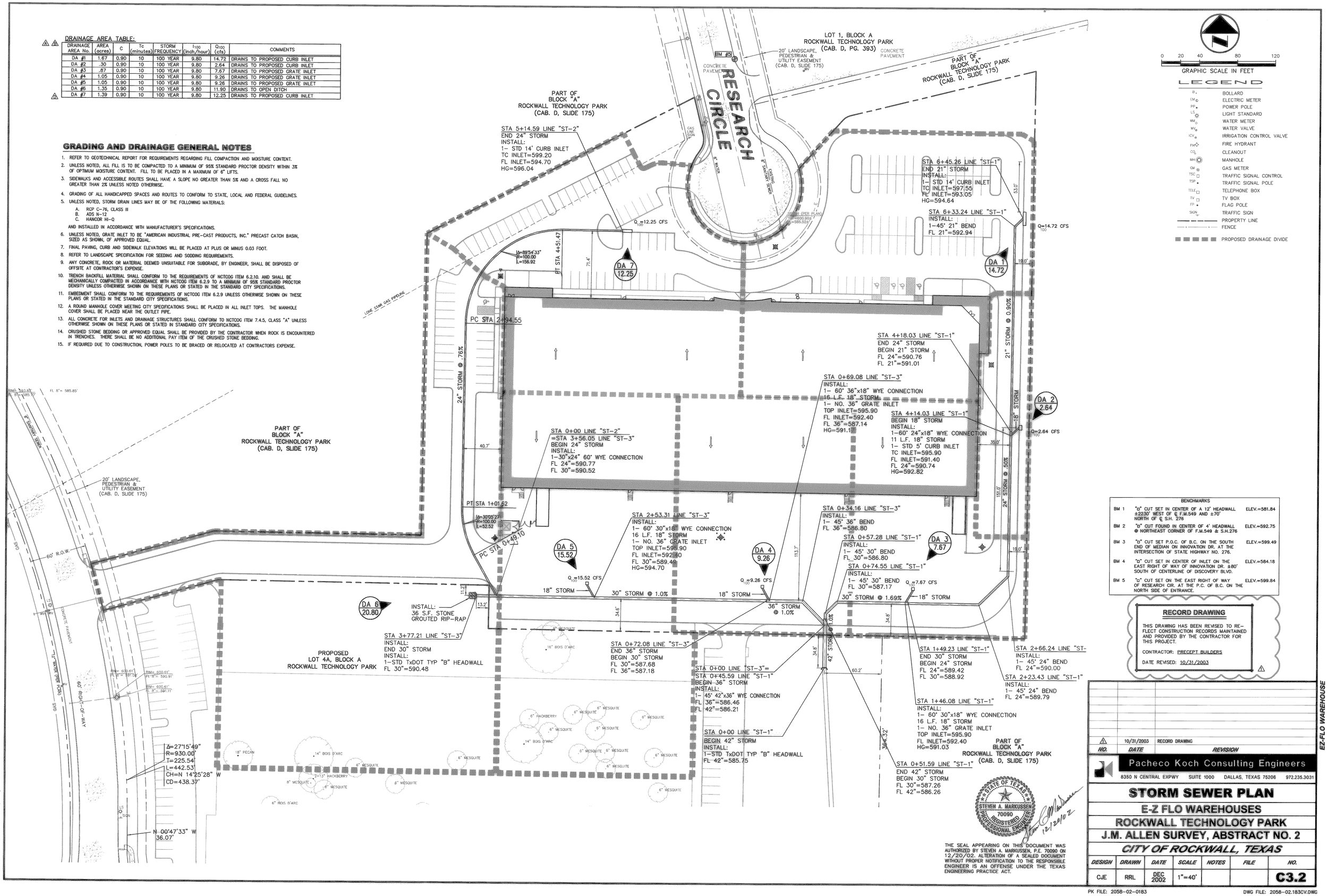
DRAINAGE AREA TABLE:

DRAINAGE AREA No.	AREA (acres)	C	Tc (minutes)	STORM FREQUENCY	I_{100} (inch/hour)	Q_{100} (cfs)	COMMENTS
DA #1	1.67	0.90	10	100 YEAR	9.80	14.72	DRAINS TO PROPOSED CURB INLET
DA #2	.30	0.90	10	100 YEAR	9.80	2.64	DRAINS TO PROPOSED CURB INLET
DA #3	.87	0.90	10	100 YEAR	9.80	7.67	DRAINS TO PROPOSED GRATE INLET
DA #4	1.05	0.90	10	100 YEAR	9.80	9.26	DRAINS TO PROPOSED GRATE INLET
DA #5	1.05	0.90	10	100 YEAR	9.80	9.26	DRAINS TO PROPOSED GRATE INLET
DA #6	1.35	0.90	10	100 YEAR	9.80	11.90	DRAINS TO OPEN DITCH
DA #7	1.39	0.90	10	100 YEAR	9.80	12.25	DRAINS TO PROPOSED CURB INLET

GRADING AND DRAINAGE GENERAL NOTES

1. REFER TO GEOTECHNICAL REPORT FOR REQUIREMENTS REGARDING FILL COMPACTION AND MOISTURE CONTENT.
2. UNLESS NOTED, ALL FILL IS TO BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY WITHIN 3% OF OPTIMUM MOISTURE CONTENT. FILL TO BE PLACED IN A MAXIMUM OF 6" LIFTS.
3. SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A SLOPE NO GREATER THAN 5% AND A CROSS FALL NO GREATER THAN 2% UNLESS NOTED OTHERWISE.
4. GRADING OF ALL HANDICAPPED SPACES AND ROUTES TO CONFORM TO STATE, LOCAL AND FEDERAL GUIDELINES.
5. UNLESS NOTED, STORM DRAIN LINES MAY BE OF THE FOLLOWING MATERIALS:
   A. RCP C-76, CLASS III
   B. ADS N-12
   C. HANCOR HI-Q

   AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
6. UNLESS NOTED, GRATE INLET TO BE "AMERICAN INDUSTRIAL PRE-CAST PRODUCTS, INC." PRECAST CATCH BASIN, SIZED AS SHOWN, OF APPROVED EQUAL.
7. FINAL PAVING, CURB AND SIDEWALK ELEVATIONS WILL BE PLACED AT PLUS OR MINUS 0.03 FOOT.
8. REFER TO LANDSCAPE SPECIFICATION FOR SEEDING AND SODDING REQUIREMENTS.
9. ANY CONCRETE, ROCK OR MATERIAL DEEMED UNSUITABLE FOR SUBGRADE, BY ENGINEER, SHALL BE DISPOSED OF OFFSITE AT CONTRACTOR'S EXPENSE.
10. TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 6.2.10. AND SHALL BE MECHANICALLY COMPACTED IN ACCORDANCE WITH NCTCOG ITEM 6.2.9 TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
11. EMBEDMENT SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 6.2.9 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
12. A ROUND MANHOLE COVER MEETING CITY SPECIFICATIONS SHALL BE PLACED IN ALL INLET TOPS. THE MANHOLE COVER SHALL BE PLACED NEAR THE OUTLET PIPE.
13. ALL CONCRETE FOR INLETS AND DRAINAGE STRUCTURES SHALL CONFORM TO NCTCOG ITEM 7.4.5, CLASS "A" UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN STANDARD CITY SPECIFICATIONS.
14. CRUSHED STONE BEDDING OR APPROVED EQUAL SHALL BE PROVIDED BY THE CONTRACTOR WHEN ROCK IS ENCOUNTERED IN TRENCHES. THERE SHALL BE NO ADDITIONAL PAY ITEM OF THE CRUSHED STONE BEDDING.
15. IF REQUIRED DUE TO CONSTRUCTION, POWER POLES TO BE BRACED OR RELOCATED AT CONTRACTORS EXPENSE.



BENCHMARKS

BM 1	"D" CUT SET IN CENTER OF A 12' HEADWALL ±2230' WEST OF ℄ F.M.549 AND ±70' NORTH OF ℄ S.H. 276	ELEV.=581.84
BM 2	"D" CUT FOUND IN CENTER OF 4' HEADWALL @ NORTHEAST CORNER OF F.M.549 & S.H.276	ELEV.=592.75
BM 3	"D" CUT SET P.O.C. OF B.C. ON THE SOUTH END OF MEDIAN ON INNOVATION DR. AT THE INTERSECTION OF STATE HIGHWAY NO. 276.	ELEV.=599.49
BM 4	"D" CUT SET IN CENTER OF INLET ON THE EAST RIGHT OF WAY OF INNOVATION DR. ±80' SOUTH OF CENTERLINE OF DISCOVERY BLVD.	ELEV.=584.18
BM 5	"D" CUT SET ON THE EAST RIGHT OF WAY OF RESEARCH CIR. AT THE P.C. OF B.C. ON THE NORTH SIDE OF ENTRANCE.	ELEV.=599.84

RECORD DRAWING

THIS DRAWING HAS BEEN REVISED TO REFLECT CONSTRUCTION RECORDS MAINTAINED AND PROVIDED BY THE CONTRACTOR FOR THIS PROJECT.

CONTRACTOR: PRECEPT BUILDERS

DATE REVISED: 10/31/2003

NO.	DATE	REVISION
1	10/31/2003	RECORD DRAWING

EZ-FLO WAREHOUSE

Pacheco Koch Consulting Engineers
8350 N CENTRAL EXPWY SUITE 1000 DALLAS, TEXAS 75206 972.235.3031

STORM SEWER PLAN

E-Z FLO WAREHOUSES

ROCKWALL TECHNOLOGY PARK

J.M. ALLEN SURVEY, ABSTRACT NO. 2

CITY OF ROCKWALL, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
CJE	RRL	DEC 2002	1"=40'			C3.2

STATE OF TEXAS
STEVEN A. MARKUSSEN
70090
REGISTERED PROFESSIONAL ENGINEER
12/20/02

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FRED MITCHELL
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