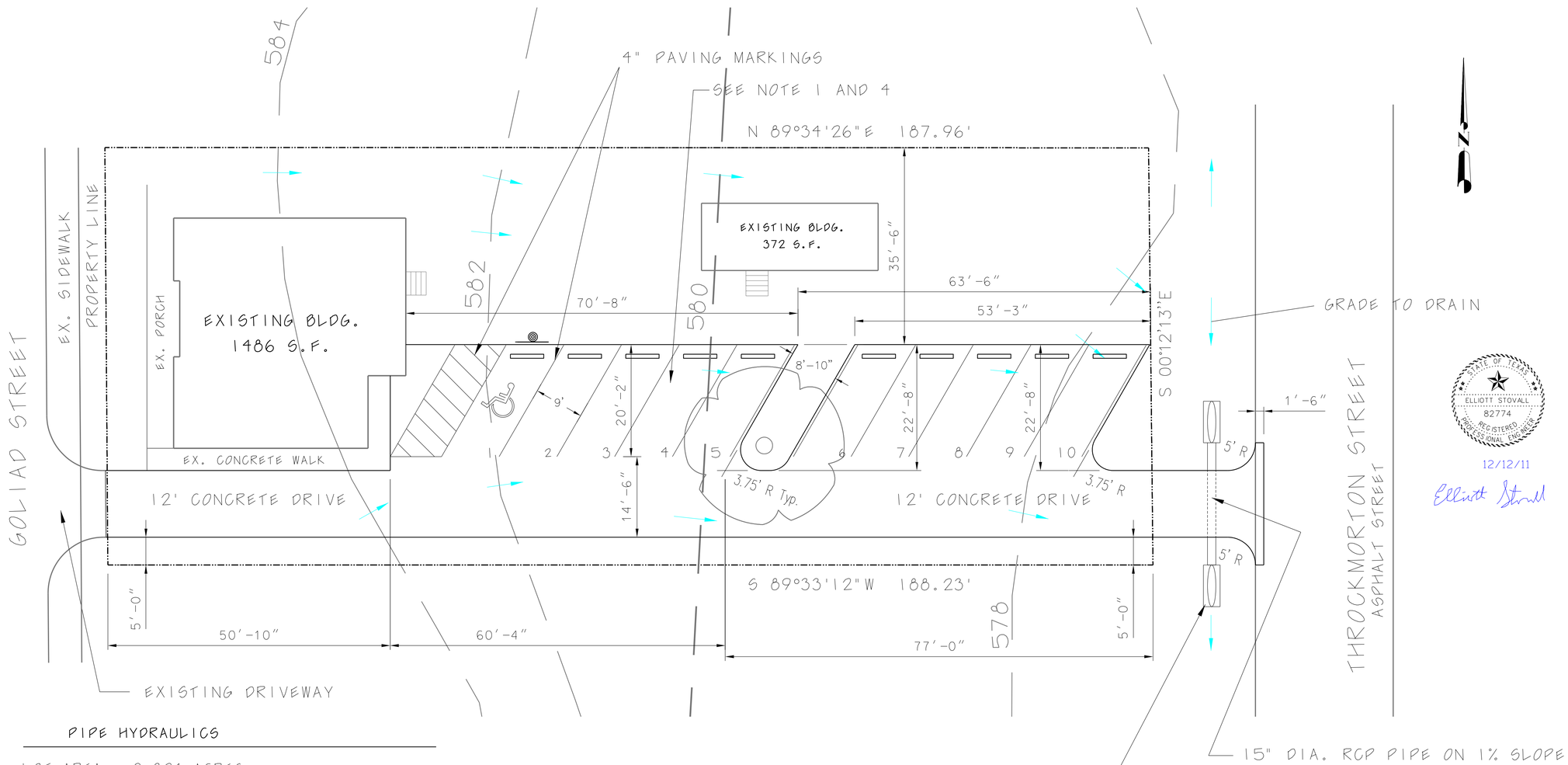

STATE OF TEXAS
ELLIOTT STOVALL
82774
REGISTERED
PROFESSIONAL ENGINEER

12/12/11

Elliott Stovall

PIPE HYDRAULICS

LOT AREA = 0.324 ACRES

C = 0.90 I = 9.8 TC = 10 MIN.

Q100 = CIA = 0.90X9.8X0.324 = 2.86 CFS

FROM MANNING'S EQUATION WITH SLOPE = 1%

AND N = 0.012 :

PIPE DIAMETER = 12" - USE 15 INCH DIA PIPE

CONTOURS ARE APPROXIMATE. GRADE DRIVEWAY/PARKING AREA TO DRAIN AS SHOWN.

--- CAUTION ---
LOCATE UNDERGROUND
UTILITIES BEFORE DIGGING
CALL 1-800-DIG-TESS
1-800-344-8377

NOTES:

1. PARKING AREA SHALL BE 5" - 3000 PSI REINFORCED CONCRETE PAVEMENT ON COMPACTED SUBGRADE. REINFORCEMENT SHALL BE NO. 3 REBAR ON 24 INCH CENTERS.
2. FIRE LANE SHALL BE 6" - 3600 PSI REINFORCED CONCRETE PAVEMENT ON COMPACTED SUBGRADE. REINFORCEMENT SHALL BE NO. 3 REBAR ON 24 INCH CENTERS BOTH WAYS.
3. CONSTRUCTION SHALL BE PER CITY OF ROCKWALL SPECIFICATIONS
4. PARKING STALLS ARE ON A 60 DEGREE LAYOUT.
5. NO BUILDING/PORCH EXPANSION ALLOWED.

LEGEND

- EXISTING/PROPOSED CONTOUR
- 578 EXISTING CONTOUR ELEVATION
- FLOW ARROW
- REQUIRED HANDICAP PARKING SIGN MOUNTED ON STEEL POLE
- CAR STOP

SITE PLAN

PARKING LOT ADDITION TO
EXISTING OFFICE BUILDING AT
705 S. GOLIAD ST.
ROCKWALL, TEXAS

STOVALL-JAMES & ASSOCIATES, INC
6318 MERRITT WAY COURT
ARLINGTON, TX 76016

E. STOVALL, P.E. 817 879-1808
F-9645

SHEET 1 OF 1

DRAWN BY: E. STOVALL, P.E.
SCALE: 1" = 10'
DATE: 12/12/11
REVISIONS:

DR. BARNEY BARNHILL 972 771-9131
705 S. GOLIAD ST.
ROCKWALL, TEXAS
ROCKWALL COUNTY, TEXAS