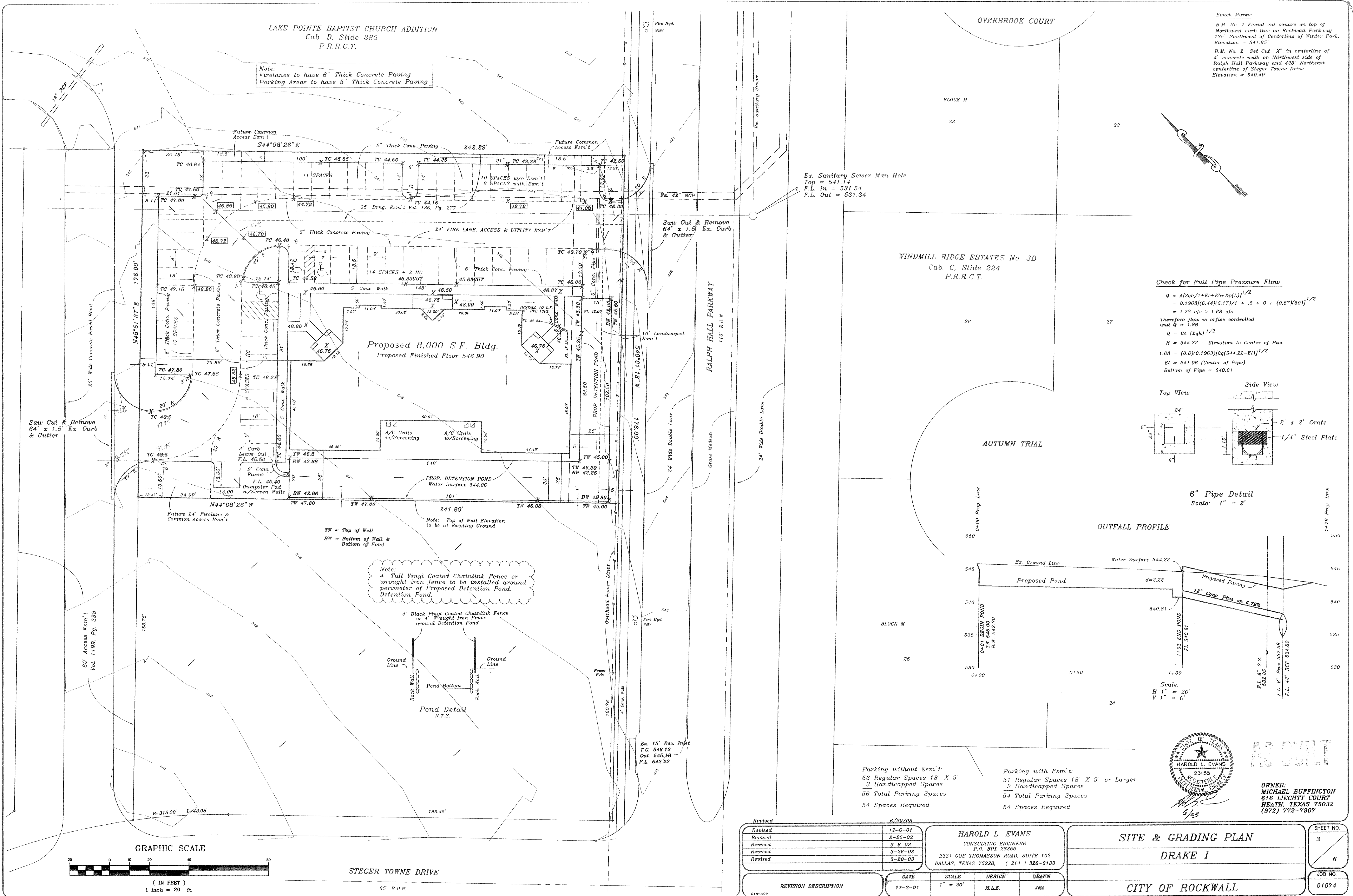


LAKE POINTE BAPTIST CHURCH ADDITION
Cab. D, Slide 385
P.R.R.C.T.

Note:
Firelanes to have 6" Thick Concrete Paving
Parking Areas to have 5" Thick Concrete Paving

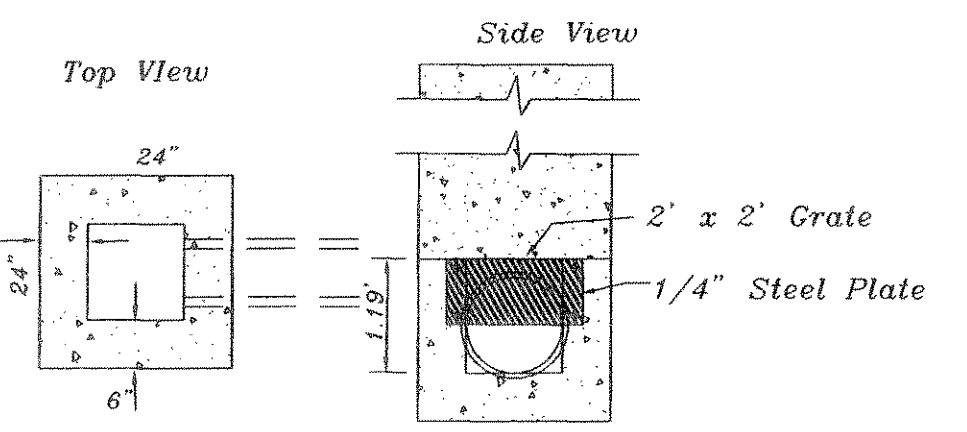
Bench Marks:
B.M. No. 1 Found cut square on top of Northwest curb line on Rockwall Parkway 135' Southwest of Centerline of Winter Park. Elevation = 541.65'
B.M. No. 2 Set Cut "X" in centerline of 4' concrete walk on Northwest side of Ralph Hall Parkway and 428' Northeast centerline of Steger Towne Drive. Elevation = 540.49'



Ex. Sanitary Sewer Man Hole
Top = 541.14
F.L. In = 531.54
F.L. Out = 531.34

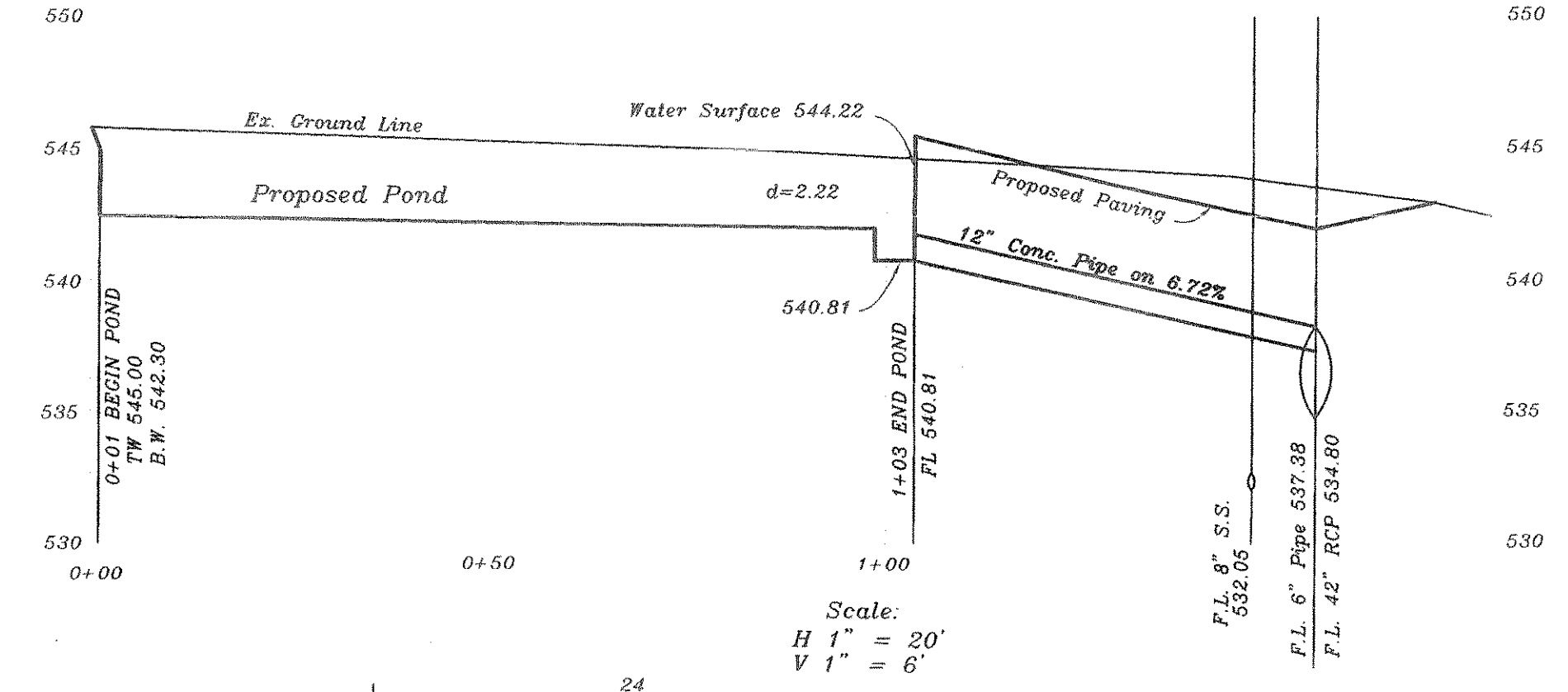
WINDMILL RIDGE ESTATES No. 3B
Cab. C, Slide 224
P.R.R.C.T.

Check for Full Pipe Pressure Flow
 $Q = A[2gh/1 + K_e + K_b + K_p(L)]^{1/2}$
 $= 0.1963[(6.44)(6.17)/1 + 5 + 0 + (0.67)(50)]^{1/2}$
 $= 1.78 \text{ cfs} > 1.68 \text{ cfs}$
Therefore flow is orifice controlled and $Q = 1.68$
 $Q = CA(2gh)^{1/2}$
 $H = 544.22 - \text{Elevation to Center of Pipe}$
 $1.68 = (0.6)(0.1963)[2g(544.22 - E)]^{1/2}$
 $E = 541.06 \text{ (Center of Pipe)}$
Bottom of Pipe = 540.81



6" Pipe Detail
Scale: 1" = 2'

OUTFALL PROFILE



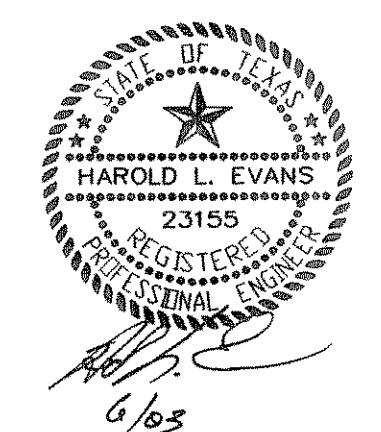
Note:
4" Tall Vinyl Coated Chainlink Fence or wrought iron fence to be installed around perimeter of Proposed Detention Pond.

4" Black Vinyl Coated Chainlink Fence or 4" Wrought Iron Fence around Detention Pond

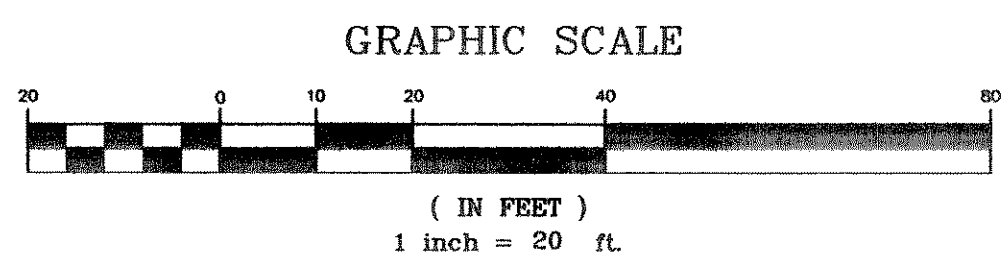
Pond Detail
N.T.S.

Parking without Esm't:
53 Regular Spaces 18' X 9'
3 Handicapped Spaces
56 Total Parking Spaces
54 Spaces Required

Parking with Esm't:
51 Regular Spaces 18' X 9' or Larger
3 Handicapped Spaces
54 Total Parking Spaces
54 Spaces Required



OWNER:
MICHAEL BUFFINGTON
616 LIECHTY COURT
HEATH, TEXAS 75032
(972) 772-7907



REVISION DESCRIPTION	DATE	SCALE	DESIGN	DRAWN
Revised	6/20/03			
Revised	12-6-01			
Revised	2-25-02			
Revised	3-6-02			
Revised	3-26-02			
Revised	3-20-03			

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SITE & GRADING PLAN
DRAKE I

CITY OF ROCKWALL

SHEET NO. 3
JOB NO. 01074