STA 0+00 EXIST CHANNEL "A"
℄ R.R. TRACKS

STA 0+00 CHANNEL "B" BEGIN
"V" DITCH DRAINAGE CHANNEL
STA 0+20 ℄ EXISTING DITCH
REMOVE & REPLACE ℄ CHANNEL "B"
OF EXIST. CHAIN LINK FENCE 60 L.F.
ADJUST POST LENGTHS AS NECESSARY

2 x 4' BOX CULVERTS

N 80°49'50" E
454.40'
S 68°58'30" E
233.03'
S 49°23'44" E
259.85'
S 26°22'30" E
304.94'
S 15°53'19" E
410.56'

SCALE: 1" = 50'

℄ STA 1+50 CHAN. "A"
12" DRAIN W/ FLAP GATE (WATERMAN MODEL F-10 OR EQUAL) E 618.70 FLUSH PIPE WITH CHAN. WALLS. CUT PIPE TO SLOPES AS REQUIRED

3.95 / 6.24 c = 0.70
3.51 / 14.10 c = 0.50
5.36 / 16.91 c = 0.90
1.79 / 12.78 c = 0.90

℄ STA 3+92 CHAN "A" = 0+00 CHAN "C"
BEGIN CHAN "C"
E 621.38
SEE PROFILE SHEET 10 OF 44.

12" DRAIN (CLASS 50 D.I.)
12" GATE VALVE W/ VALVE BOX
22½° BEND, E 618.70

℄ STA 3+60 CHAN "A"
BEGIN EXTENDED CHANNEL SLOPES, SECTION A, SHT. G

℄ STA. 4+20 CHAN "A"
END EXTENDED CHANNEL SLOPES

838.29

STA 0+98 CHAN "C"
CONST. TYPE "A" HDWL
E 619.87
— SEE PLUME 3d OUTFALL DETAIL THIS SHT.

E 625.10
E 626.20
CONC. DRAINAGE PLUME
SEE SHEET 25
E 618.70

PROP 84" W.
PROP 48" W.
48" R.C.P. OVERFLOW LINE "A" (SEE SHT. 10)
48" R.C.P. OVERFLOW LINE "B" (SEE SHT. 10)
3:1 SLOPE
30° BEND
OVERFLOW STRUCTURE
18" DRAIN

PROPOSED 10 MILLION GALLON RESERVOIR

EXISTING 10 MILLION GALLON RESERVOIR

CONCRETE DRAINAGE FLUME

℄ CHANNEL "B"

E 644.10
E 644.20

STA 5+90 CHANNEL "B"
MATCH E 624.5

"V" DITCH FOR DRAINAGE
3:1 SLOPES

PROP 60" W.
PROP 48" W.
ADJUST MHS (TYP.) SEE NOTE 5

GRADE TO DRAIN
PUMP ROOM
GRAVEL PARKING

7" 3000 P.S.I. REINF. CONC. PVMT. SEE DETAIL SHT. 7 OF 44

D.P.&L. TRANSFORMERS

CONCRETE PARKING
CONTROL BLDG.
SWITCHGEAR BUILDING
METER VAULT

MATCH EXIST. PVMT.
GRADE ALL DRAINAGE AWAY FROM SWITCH-GEAR BLDG.
D.P.&L. GRADE TO DRAIN
D.P.&L. DUCT BANK

SAW CUT EXIST. PVMT.
7" 3000 P.S.I. CONC. PVMT. w/ INTEGRAL CURB

STA 9+70 CHANNEL "B"
E 627.5

SEE ENTRANCE DRIVE DETAIL, SHT. G OF 44

6" INTEGRAL CURB FROM ROAD TO TANGENT POINT

480' TO INSIDE OF EXIST. EAST WALL (ASSUMED)

N 00°49'37" E
N 89°26'42" W
1126.56'

ST. LOUIS & SOUTHWESTERN RAILROAD

BELT LINE ROAD

BELTWAY

BELTWOOD PARKWAY

BELTWOOD ROAD

FLUME OUTFALL DETAIL
N.T.S.

MATCH BOTTOM OF FLUME TO TOP OF CHANNEL "C"
PROP. FLUME
2:1 SLOPE
2'-0" MIN.
NOTE: REINF. STEEL NOT SHOWN FOR CLARITY.

NOTES:

1. ALL CONSTRUCTION TO CONFORM WITH CURRENT CITY OF DALLAS GENERAL SPECIFICATIONS.
2. THE MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE PAVEMENT AT 28 DAYS SHALL BE 3000 P.S.I. AND CONTAIN A MINIMUM OF FIVE SACKS OF CEMENT PER C.Y.
3. SUBGRADE UNDER ALL CONCRETE PAVEMENT AND SLOPE PROTECTION SHALL BE COMPACTED TO 95 % DENSITY.
4. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING FACILITIES PRIOR TO CONSTRUCTION OF PROPOSED FACILITIES.
5. ALL MANHOLES, VAULT TOPS, AND VALVE STEMS ARE TO BE ADJUSTED TO PROPOSED GRADES. (NO SEPARATE PAY.)
6. CONTRACTOR TO TAKE ALL NECESSARY PRECAUTIONS NOT TO DAMAGE EXIST. FACILITIES DURING CONSTRUCTION. ANY DAMAGES AS A RESULT OF CONSTRUCTION OPERATIONS WILL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
7. EXISTING FACILITY EQUIPMENT AND VALVES TO BE OPERATED BY OWNER'S AUTHORIZED REP. ONLY.
8. CONTRACTOR TO OBTAIN ALL REQUIRED CONSTR. PERMITS AT HIS EXPENSE PRIOR TO COMMENCEMENT OF WORK.
9. CONTRACTOR TO COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES.
10. ANY EXCESS EXCAVATED MATERIAL AND SPOIL TO BECOME PROPERTY OF CONTRACTOR AND TO BE REMOVED FROM SITE. NO SEPERATE PAY.
11. CONTRACTOR TO GIVE NOTICE TO ALL AUTHORIZED REPRESENTATIVES OF PRIVATE AND PUBLIC UTILITIES AND RAILROADS AFFECTED BY HIS WORK PRIOR TO COMMENCEMENT OF WORK.

B.M.: "D" CUT IN S.E. CORNER OF PUMP PITS STRUCTURE BEHIND PUMP HOUSE AT BELTWOOD PUMP STATION.
SITE ELEVATION = 630.02

LEGEND

- TRAFFIC SIGNAL
- POWER POLE
- CHAIN LINK FENCE
- WATER VALVE
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- ELECTRICAL MANHOLE
- ELECTRICAL RISER
- WATER MANHOLE
- WATER METER
- PIPE VENT
- GAS VALVE
- TRAFFIC CONTROL BOX
- ELECTRICAL PANEL
- AIR RELEASE VALVE MANHOLE
- OVERFLOW SYSTEM MANHOLE
- THRUST BLOCK
- DRAINAGE AREA DIVIDE
- 0.48 / 3.41 RUNOFF IN ACRES / RUNOFF IN C.F.S.
- 626 EXISTING GROUND CONTOUR
- 626 FINISHED GROUND CONTOUR
- W WATER LINE
- SS STORM SEWER

SCREENED ITEMS DENOTE EXISTING CONDITIONS.

Q_{100} = C I A
C = COEFFICIENT OF RUNOFF (AS SHOWN)
I_{100} = 7.9 IN/HR.
A = AREA (AS SHOWN)

STATE OF TEXAS
MICHAEL A. BURNS
59990
REGISTERED PROFESSIONAL ENGINEER
Michael A. Burns 9/8/89

NO.	DATE	REVISION	APPROVED

BELTWOOD RESERVOIR EXPANSION

PAVING, GRADING, AND DRAINAGE PLAN

DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

Turner Collie & Braden Inc.

DESIGN	C.A.P.	CONTRACT NO. 89-79	SHEET NO. 5
DRAWN	A.B.C.	FILE NO 630 Q 700 F	OF 44
TRACED			
CHECKED			
DATE	5/89		

TELSTAR POST N.9511