STORM SEWER PLANS FOR
WILLOWBEND HEIGHTS
PRIVATE
PROJECT NO.
468·76·245·80001·000·000·130

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, CITY ENGINEER

GENERAL NOTES

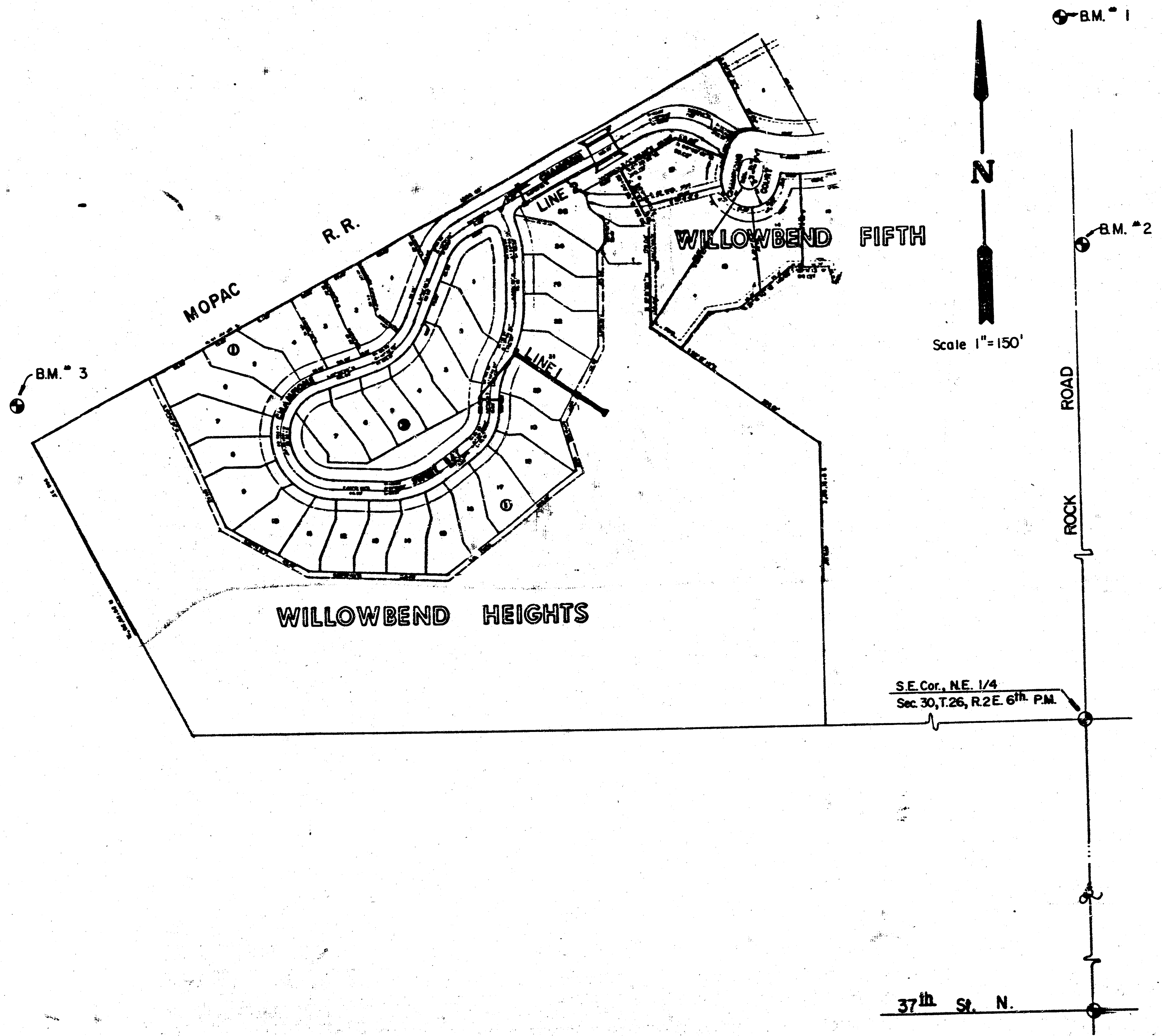
1. THE TOPS OF INLET AS NOTED ON THE PLANS MAY VARY SO AS TO MEET PROPOSED TOP OF CURB ELEVATIONS OR PAVEMENT ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS AND MANHOLES WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.
3. CONSTRUCTION OF PIPE OUTLET INTO LAKE MAY REQUIRE LOWERING OF THE EXISTING LAKES INTO WHICH THESE LINES EMPTY OR CONSTRUCTION OF A COFFERDAM. THE PLAN SHEETS SHOWING THESE OUTLETS ALSO SHOW THE SURVEYED WATER LEVEL AND THE DATE OF THE SURVEY. PRESENT WATER LEVELS AND WATER LEVELS AT THE TIME OF CONSTRUCTION MAY VARY FROM THIS SURVEYED WATER LEVEL.
4. UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLE LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT OF WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

NOTE: NOTIFY THE FOLLOWING COMPANIES PRIOR TO ANY EXCAVATION:

ARKLA GAS COMPANY	942-8350
BELL TELEPHONE COMPANY	1-316-571-2115
CABLEVISION	262-0661
KP&L COMPANY	263-7511
KANSAS GAS & ELECTRIC	264-1141

BENCH MARKS

B.M. #1	"☐" cut on SW corner of North cart path underpass on Rock Road. Elev. = 188.79
B.M. #2	"☐" cut on NE corner of Big RCB under Rock Road + 900' N of E Quarter corner section 30, Township 26 South, Range 2 East. Elev. = 186.99
B.M. #3	NE cor of RCB under MoPac + 415' Northeasterly of the W line of the NE Quarter, Section 30, Township 26 South, Range 2 Elev. = 186.31



INDEX TO DRAWINGS

Sheet No.	Description
1	Title Sheet
2	Plan & Profile Line 1
3	Plan & Profile Line 2
4-5	Type 1A Curb Inlet Details
6	Type 1 Curb Inlet Details

BOOKED
11-16-88
MCG

NOTE TO CONTRACTOR

This project will be constructed under the supervision of the CITY ENGINEER and conforming to the SPECIFICATIONS of the CITY OF WICHITA. The CONTRACTOR will pay the City of Wichita for all costs of plan review, inspection and booking per contract.

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA

Sanitary Sewers ______
Storm Sewers VRH 10/26/87
Driveway Approaches ______
Water Mains ______
Paving ______

AS BUILT - NOV. 1988

FRANK BERTON NELSON
9130

WILLOWBEND HEIGHTS
STORM WATER SEWER
PLANS

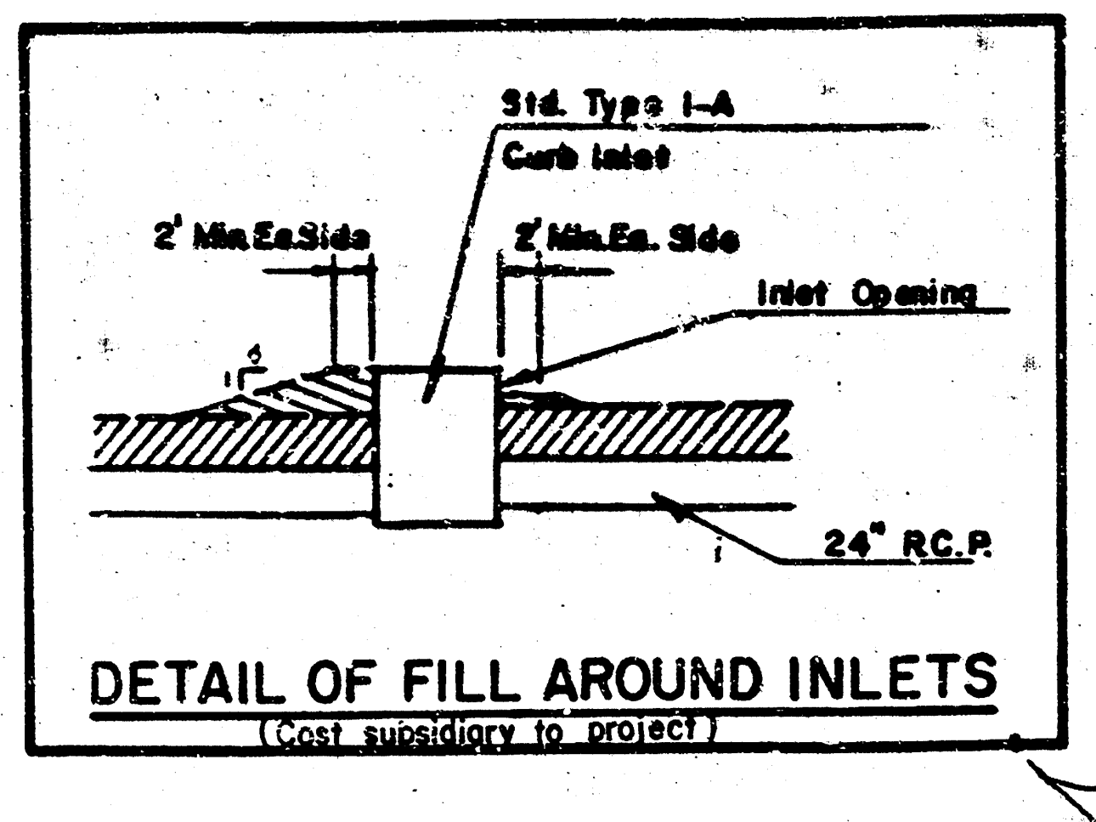
Design
Drawn by
Checked by
Date
Job no.

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
682-6561

1/3

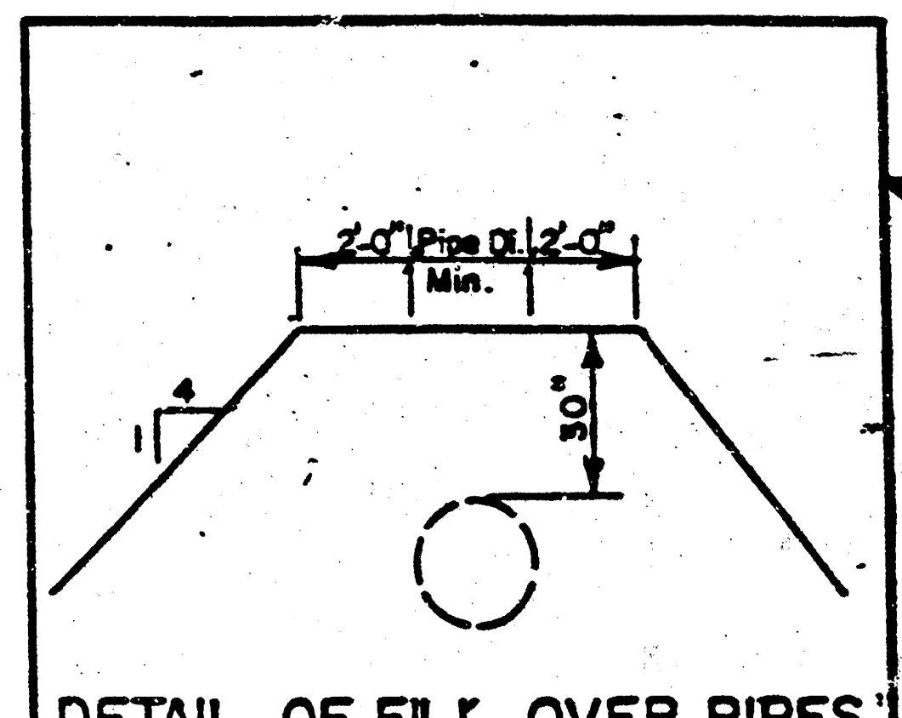
Sheet 1
of 6

WILLOWBEND HEIGHTS
STORM WATER SEWER PLANS
PROJ. NO. 468-76-245-80001-C00-000-130


Std. Type I-A
Curb Inlet
2' Min.Ea.Side
2' Min.Ea. Side
Inlet Opening
1
6
24" R.C.P.

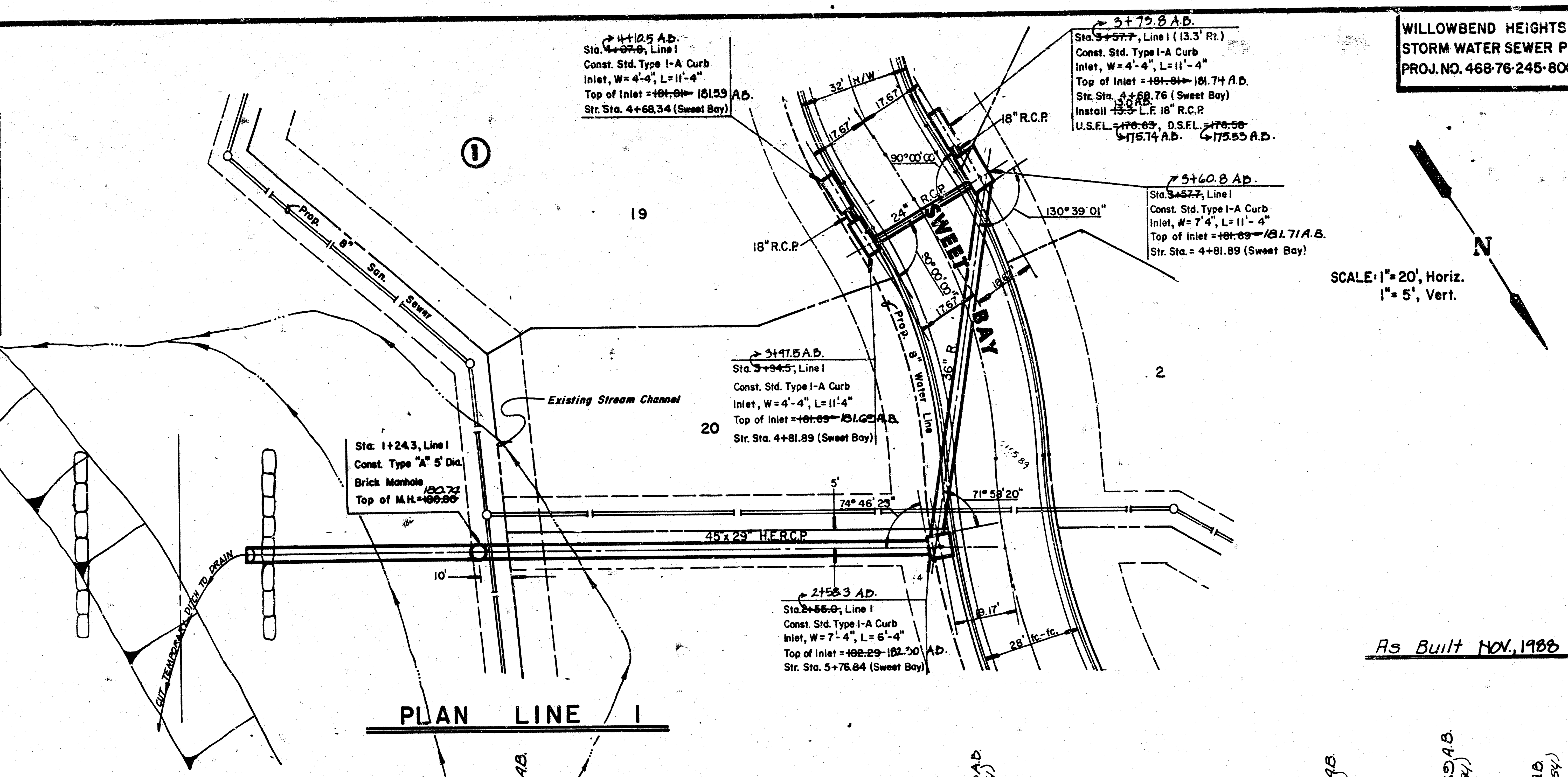
DETAIL OF FILL AROUND INLETS

(Cost subsidiary to project)


2'-0"
Pipe Dia.
2'-0"
Min.
30"
1
4

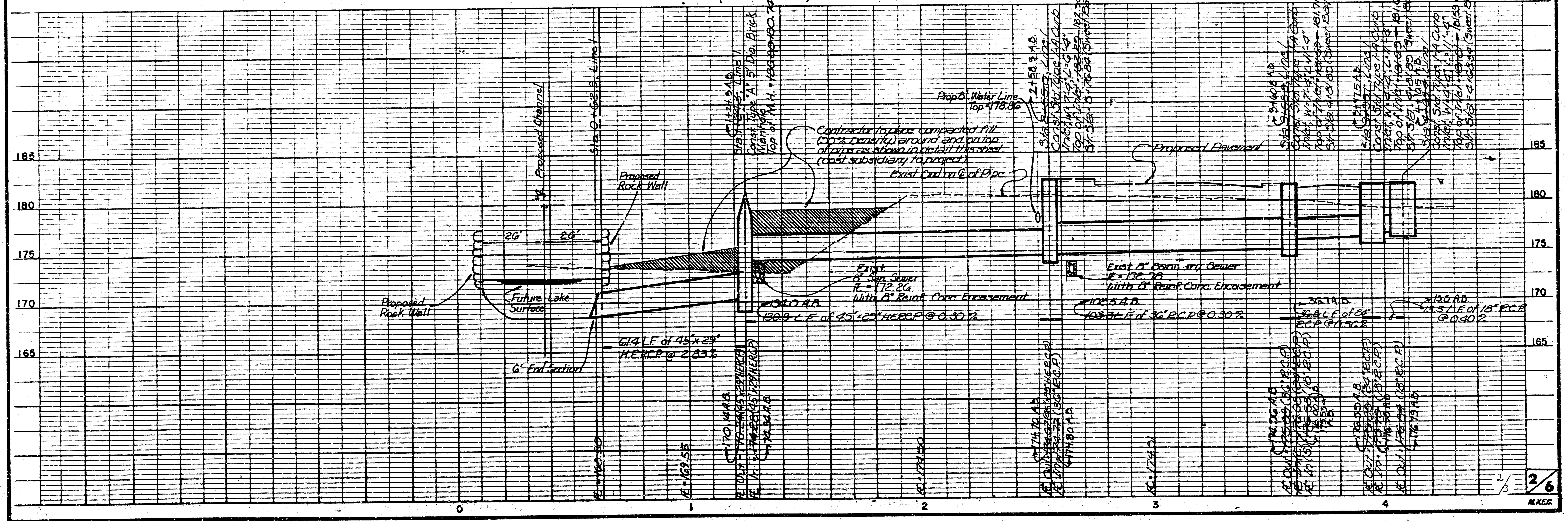
DETAIL OF FILL OVER PIPES

NOTE: Contractor shall be responsible for seeding and mulching of fill.
Cost subsidiary to Project.


①
19
20
2
Prop. 8" San. Sewer
Existing Stream Channel
Cut Temporary Ditch to Drain
~~4+07.0~~ 4+10.5 A.B.
Sta. ~~4+07.0~~, Line I
Const. Std. Type I-A Curb
Inlet, W = 4'-4", L = 11'-4"
Top of Inlet = ~~181.01~~ 181.59 A.B.
Str. Sta. 4+68.34 (Sweet Bay)
3+79.8 A.B.
Sta. ~~3+57.7~~, Line I (13.3' Rt.)
Const. Std. Type I-A Curb
Inlet, W = 4'-4", L = 11'-4"
Top of Inlet = ~~181.81~~ 181.74 A.B.
Str. Sta. 4+68.76 (Sweet Bay)
Install ~~13.3~~ 13.0 A.B. L.F. 18" R.C.P.
U.S.F.L. = ~~176.83~~ 175.74 A.B., D.S.F.L. = ~~176.58~~ 175.53 A.B.
3+60.8 A.B.
Sta. ~~3+57.7~~, Line I
Const. Std. Type I-A Curb
Inlet, W = 7'4", L = 11'-4"
Top of Inlet = ~~181.89~~ 181.71 A.B.
Str. Sta. = 4+81.89 (Sweet Bay)
3+47.5 A.B.
Sta. ~~3+34.5~~, Line I
Const. Std. Type I-A Curb
Inlet, W = 4'-4", L = 11'-4"
Top of Inlet = ~~181.89~~ 181.65 A.B.
Str. Sta. 4+81.89 (Sweet Bay)
Sta. 1+24.3, Line I
Const. Type "A" 5' Dia.
Brick Manhole
Top of M.H. = ~~180.80~~ 180.74
2+58.3 A.D.
Sta. ~~2+55.0~~, Line I
Const. Std. Type I-A Curb
Inlet, W = 7'-4", L = 6'-4"
Top of Inlet = ~~182.29~~ 182.30 A.D.
Str. Sta. 5+76.84 (Sweet Bay)
32' R/W
17.67'
17.67'
17.67'
18" R.C.P.
18" R.C.P.
24" R.C.P.
90°00'00"
90°00'00"
130°39'01"
SWEET BAY
Prop. 8" Water Line
36" R.C.P.
18.61'
74°46'23"
71°58'20"
5'
10'
45"x 29" H.E.R.C.P.
19.17'
28' fc.-fc.
SCALE: 1" = 20', Horiz.
1" = 5', Vert.
N

PLAN LINE I

As Built NOV., 1988


185
180
175
170
165
Proposed Channel
Sta. 0+62.3, Line I
1+24.3 A.B.
Sta. 1+24.3, Line I
Const. Type 'A' 5' Dia. Brick Manhole
Top of M.H. = ~~180.80~~ 180.74 A.B.
Contractor to place compacted fill (90% density) around and on top of pipe as shown in detail this sheet (cost subsidiary to project)
Exist. Grnd on ℄ of Pipe
Prop. 8" Water Line Top = 178.86
2+58.3 A.B.
Sta. ~~2+55.0~~, Line I
Const. Std. Type I-A Curb Inlet, W = 7'-4", L = 6'-4"
Top of Inlet = ~~182.29~~ 182.30 A.B.
Str. Sta. 5+76.84 (Sweet Bay)
Proposed Pavement
3+60.8 A.B.
Sta. ~~3+57.7~~, Line I
Const. Std. Type I-A Curb Inlet, W = 7'-4", L = 11'-4"
Top of Inlet = ~~181.89~~ 181.71 A.B.
Str. Sta. 4+81.89 (Sweet Bay)
3+47.5 A.B.
Sta. ~~3+34.5~~, Line I
Const. Std. Type I-A Curb Inlet, W = 4'-4", L = 11'-4"
Top of Inlet = ~~181.89~~ 181.65 A.B.
Str. Sta. 4+81.89 (Sweet Bay)
4+10.5 A.B.
Sta. ~~4+07.0~~, Line I
Const. Std. Type I-A Curb Inlet, W = 4'-4", L = 11'-4"
Top of Inlet = ~~181.01~~ 181.59 A.B.
Str. Sta. 4+68.34 (Sweet Bay)
Proposed Rock Wall
Proposed Rock Wall
26'
26'
Future Lake Surface
6' End Section
61.4 L.F. of 45"x 29" H.E.R.C.P. @ 2.83%
Exist. 8" San. Sewer FL = 172.26 With 8" Reinf. Conc. Encasement
134.0 A.B.
130.9 L.F. of 45"x 29" H.E.R.C.P. @ 0.30%
Exist. 8" Sanitary Sewer FL = 172.78 With 8" Reinf. Conc. Encasement
102.5 A.B.
103.3 L.F. of 36" R.C.P. @ 0.30%
36.1 A.B.
36.8 L.F. of 24" R.C.P. @ 0.56%
13.0 A.B.
13.3 L.F. of 18" R.C.P. @ 0.40%
FL = 169.50
FL = 169.55
170.14 A.B.
FL Out = 170.24 (45"x 29" H.E.R.C.P.)
FL In = 174.28 (45"x 29" H.E.R.C.P.)
174.34 A.B.
FL = 174.50
174.70 A.B.
FL Out = 174.63 (45"x 29" H.E.R.C.P.)
FL In = 174.72 (36" R.C.P.)
174.80 A.B.
FL = 174.71
175.06 A.B.
FL Out = 175.00 (36" R.C.P.)
FL In = 175.22 (18" R.C.P.)
175.56 A.B.
FL Out = 175.43 (24" R.C.P.)
FL In = 175.60 (18" R.C.P.)
FL Out = 175.74 (18" R.C.P.)
175.74 A.B.
0
1
2
3
4

2/3

2/6

M.K.E.C.

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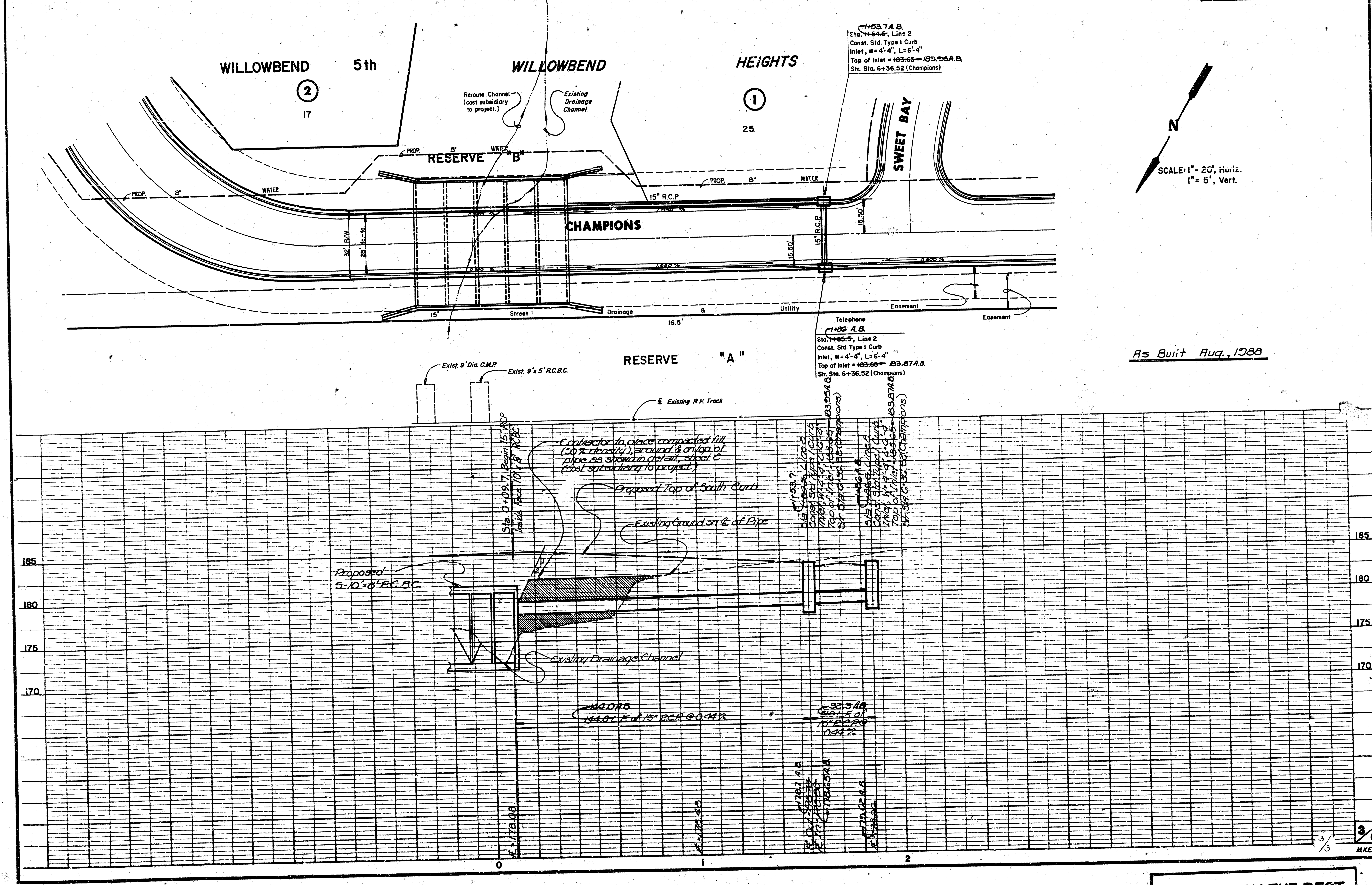
WILLOWBEND HEIGHTS
STORM WATER SEWER
PROJ. NO. 468-76-245-30001-000-000-130


WILLOWBEND 5th
②
17
WILLOWBEND
HEIGHTS
①
25
SWEET BAY
CHAMPIONS
RESERVE "B"
RESERVE "A"
Reroute Channel (cost subsidiary to project.)
Existing Drainage Channel
PROP. 8" WATER
15" R.C.P
32' R/W
28' fc.-fc.
15.50'
15' Street Drainage & Utility Easement
16.5'
Easement
Telephone
N
SCALE: 1" = 20', Horiz.
1" = 5', Vert.
Exist. 9' Dia. C.M.P.
Exist. 9'x 5' R.C.B.C.
℄ Existing R.R. Track
Sta. 0+09.7, Begin 15" RCP
Inside Face 10'x 8' RCBC
Contractor to place compacted fill (90% density), around & on top of pipe as shown in detail, sheet 2 (cost subsidiary to project.)
Proposed Top of South Curb
Existing Ground on ℄ of Pipe
Proposed 5-10'x8' R.C.B.C.
Existing Drainage Channel
185
180
175
170
0
1
2
℄ = 178.08
℄ = 178.48
℄ = 178.7 A.B.
℄ = 178.65 A.B.
℄ = 179.02 A.B.

~~1+54.5~~ 1+53.7 A.B.
Sta. ~~1+54.5~~, Line 2
Const. Std. Type I Curb
Inlet, W = 4'-4", L = 6'-4"
Top of Inlet = ~~183.65~~ 183.95 A.B.
Str. Sta. 6+36.52 (Champions)

1+86 A.B.
Sta. ~~1+85.5~~, Line 2
Const. Std. Type I Curb
Inlet, W = 4'-4", L = 6'-4"
Top of Inlet = ~~183.65~~ 183.87 A.B.
Str. Sta. 6+36.52 (Champions)

~~144.81~~ 144.0 A.B.
L.F. of 15" R.C.P. @ 0.44%

~~31.4~~ 32.3 A.B.
L.F. of 15" R.C.P. @ 0.44%

As Built Aug., 1988

3/6

M.K.E.C.

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