

STORM WATER SEWER NO. 199.

OAK CLIFF ESTATES, PHASE I.

CITY OF WICHITA, DEPT. OF ENGINEERING.
 PROJ. NO.: 468 - 76 - 245 - 80989-000-000-001.

R. W. BRUGGEMAN.
 DIRECTOR OF ENGINEERING/CITY ENGINEER.



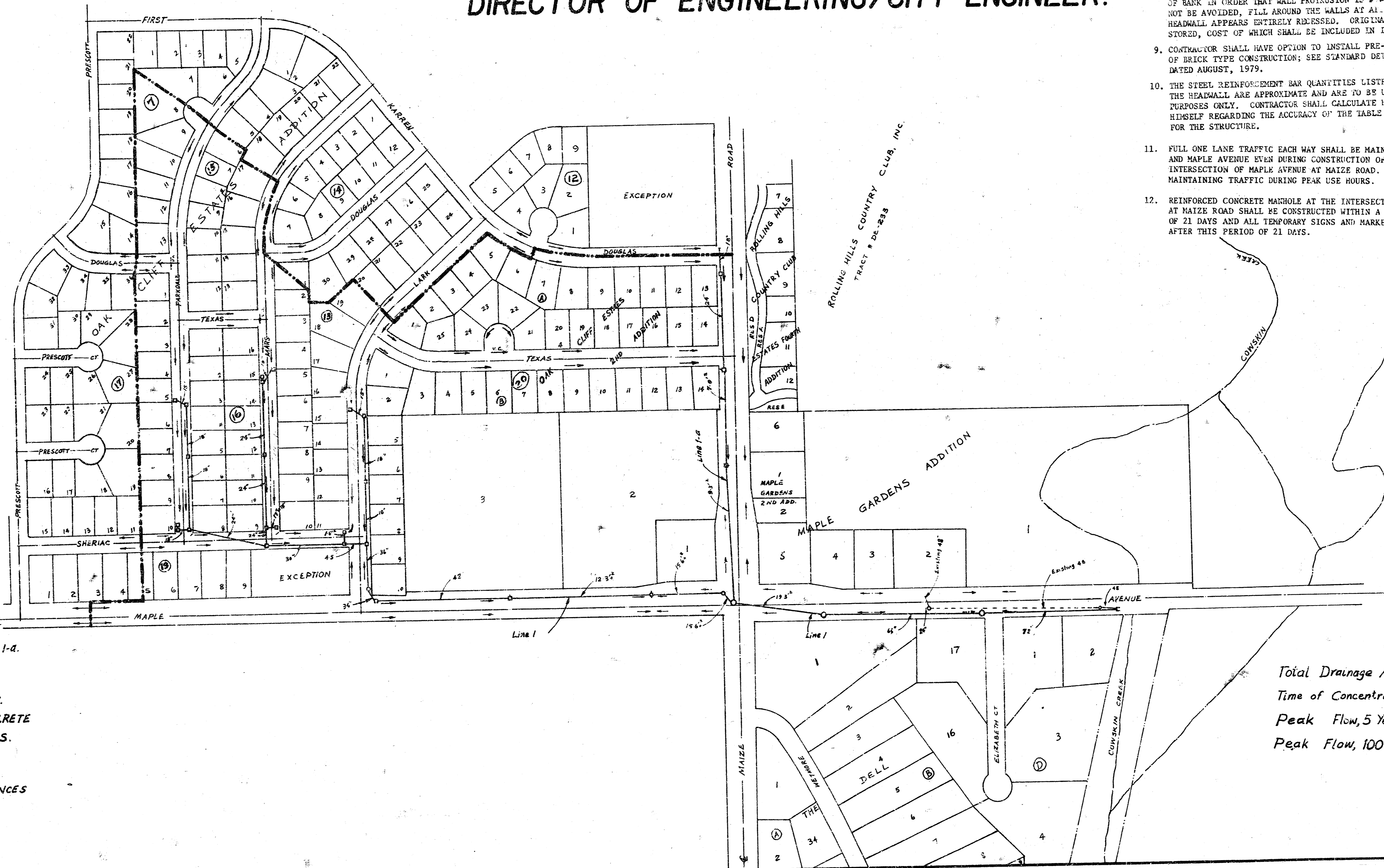
SCALE: 1" = 200'

LEGEND

- Benefit District Boundary.
- Lot and Street Right of Way Lines.
- Storm Sewer System with Inlets and Manholes.
- Flow in Street Gutters.

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- SHEET NO. 1. TITLE SHEET
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- 15. CITY OF WICHITA STD. REINFORCED CONCRETE MANHOLE DETAILS.
- 16. CITY OF WICHITA STD. TYPE I-A CURB INLET DETAILS.
- 17. CITY OF WICHITA STD. SEWER APPURTENANCES TYPE B MANHOLE.

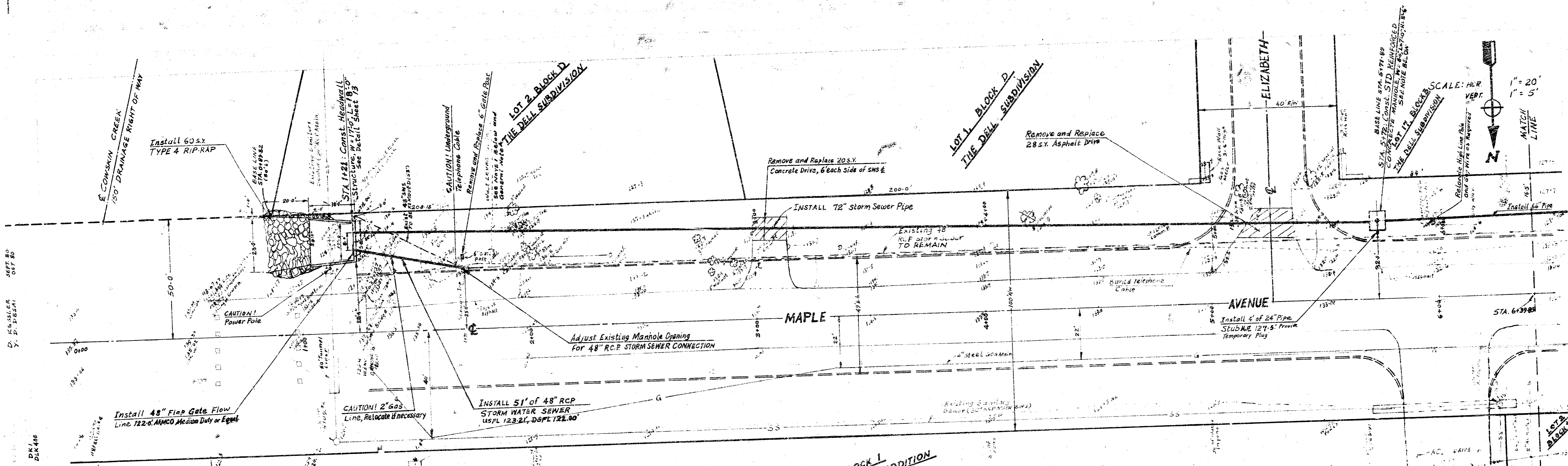


HYDROLOGY

Total Drainage Area, A :	81.4 Acres.
Time of Concentration, T _c :	27.0 Min.
Peak Flow, 5 Year Freq., Q ₅ :	220.0 c.f.s.
Peak Flow, 100 Year Freq., Q ₁₀₀ :	380.0 c.f.s.

SHEET NO. 1/17

- (GENERAL NOTES)
1. CONTRACTOR SHALL COORDINATE WORK WITH PAVING AND SANITARY SEWER CONTRACTORS AND WHEN NECESSARY CONTACT ALL PERTINENT UTILITY COMPANIES, PARTICULARLY SOUTHWESTERN BELL TELEPHONE AND KANSAS GAS & ELECTRIC COMPANY, AND OTHER AGENCIES INVOLVED WITH THIS PROJECT SITE DEVELOPMENT.
 2. FIELD ENGINEER SHALL TAKE TIES ON ALL IRONS AND TRIMBLES IN THE PROJECT AREA PRIOR TO CONSTRUCTION. FIELD ENGINEER SHALL REPLACE ALL SUCH IRONS AND TRIMBLES DISTURBED DURING CONSTRUCTION.
 3. THE LATERAL DISTANCES OF THE CURB INLETS AND MANHOLES NOTED ON THE PLANS ARE APPROXIMATE SINCE THE CURB LOCATIONS SHOWN IN THESE PLANS ARE NOT ACCURATE. THE FIELD ENGINEER SHALL REFER TO PAVING PLANS UNDER CONTRACT FOR LATERAL LOCATIONS OF CURB INLETS AND MANHOLES.
 4. THE LOCATION OF THE FLOOD CONTROL LEVEE ALONG THE WEST BANK OF COUSINS CREEK AND ALONG SOUTH LINE OF MAPLE AVENUE IS AS SHOWN ON SHEETS 2 AND 3 OF THE PLANS. IF THESE LEVEES ARE DISTURBED CONTRACTOR SHALL REPLACE THEM "AS IS" BEFORE CONSTRUCTION. LEVEE REPLACEMENT SHALL BE PERFORMED IN 6" LIFTS OF IDENTICAL MATERIAL COMPACTED TO A MINIMUM DRY DENSITY OF 95 PERCENT WHEN TESTED IN ACCORDANCE WITH METHOD ASTM D-698. THE ORIGINAL GROUND SURFACE, INCLUDING IDENTICAL GRASS COVER, SHALL BE RESTORED TO PROTECT THE LEVEE FROM EROSION FORCES OF NATURE. COST OF SUCH ITEM SHALL BE INCLUDED IN COST OF LINEAL FOOT OF PIPE INSTALLED.
 5. ALL CONCRETE SHALL BE "6-BACK CONCRETE" UNLESS OTHERWISE NOTED.
 6. EARTHWORK FOR AND DOWNSTREAM FROM HEADWALL AND FOR RIPRAP SHALL BE PAID FOR IN ITEMS BID FOR HEADWALL, PIPES AND/OR RIPRAP.
 7. TREES TO BE REMOVED ARE MARKED WITH 'X', EXCEPT THAT ANY TREE MARKED FOR REMOVAL WHICH, IN THE OPINION OF THE ENGINEER, CAN BE SAVED, SHALL BE SPARED. CONTRACTOR SHALL CONTACT EACH PROPERTY OWNER ALONG THE SOUTH LINE OF MAPLE AVENUE (SHEETS 2 AND 3) WHOSE LAWN COULD BE DISTURBED BY THE PROJECT. EVERY ATTEMPT SHALL BE MADE TO RESTORE THE GROUND COVER AS EXISTING BEFORE CONSTRUCTION AT THE DISCRETION OF FIELD ENGINEER. THE ALIGNMENT OF THE STORM SEWER ON SHEETS 2 AND 3 MAY BE SLIGHTLY VARIED AS DIRECTED BY THE FIELD ENGINEER TO AVOID DESTROYING A TREE, TO THE SATISFACTION OF THE ADJACENT PROPERTY OWNER.
 8. THE HEADWALL AT PIPES OUTFALL SHALL BE CONSTRUCTED TO ALIGN WITH THE SLOPE OF BANK IN ORDER THAT WALL PROTRUSION IS MINIMUM. WHERE SUCH PROTRUSION CANNOT BE AVOIDED, FILL AROUND THE WALLS AT AN APPROXIMATE 5:1 SIDE SLOPES SO HEADWALL APPEARS ENTIRELY RECESSED. ORIGINAL VEGETATION COVER SHALL BE RESTORED, COST OF WHICH SHALL BE INCLUDED IN ITEM BID FOR HEADWALL.
 9. CONTRACTOR SHALL HAVE OPTION TO INSTALL PRE-CAST TYPE I-A CURB INLET IN LIEU OF BRICK TYPE CONSTRUCTION; SEE STANDARD DETAIL, PRE-CAST TYPE I-A INLET DATED AUGUST, 1979.
 10. THE STEEL REINFORCEMENT BAR QUANTITIES LISTED AND DRAWN ON SHEET NO. 13 FOR THE HEADWALL ARE APPROXIMATE AND ARE TO BE USED STRICTLY FOR INFORMATION PURPOSES ONLY. CONTRACTOR SHALL CALCULATE HIS OWN QUANTITIES TO SATISFY HIMSELF REGARDING THE ACCURACY OF THE TABLE AND THE REINFORCEMENT REQUIRED FOR THE STRUCTURE.
 11. FULL ONE LANE TRAFFIC EACH WAY SHALL BE MAINTAINED ON MAIZE ROAD AND MAPLE AVENUE EVEN DURING CONSTRUCTION OF THE MANHOLE AT THE INTERSECTION OF MAPLE AVENUE AT MAIZE ROAD. THIS SHALL INCLUDE MAINTAINING TRAFFIC DURING PEAK USE HOURS.
 12. REINFORCED CONCRETE MANHOLE AT THE INTERSECTION OF MAPLE AVENUE AT MAIZE ROAD SHALL BE CONSTRUCTED WITHIN A MAXIMUM TIME LIMIT OF 21 DAYS AND ALL TEMPORARY SIGNS AND MARKERS SHALL BE REMOVED AFTER THIS PERIOD OF 21 DAYS.

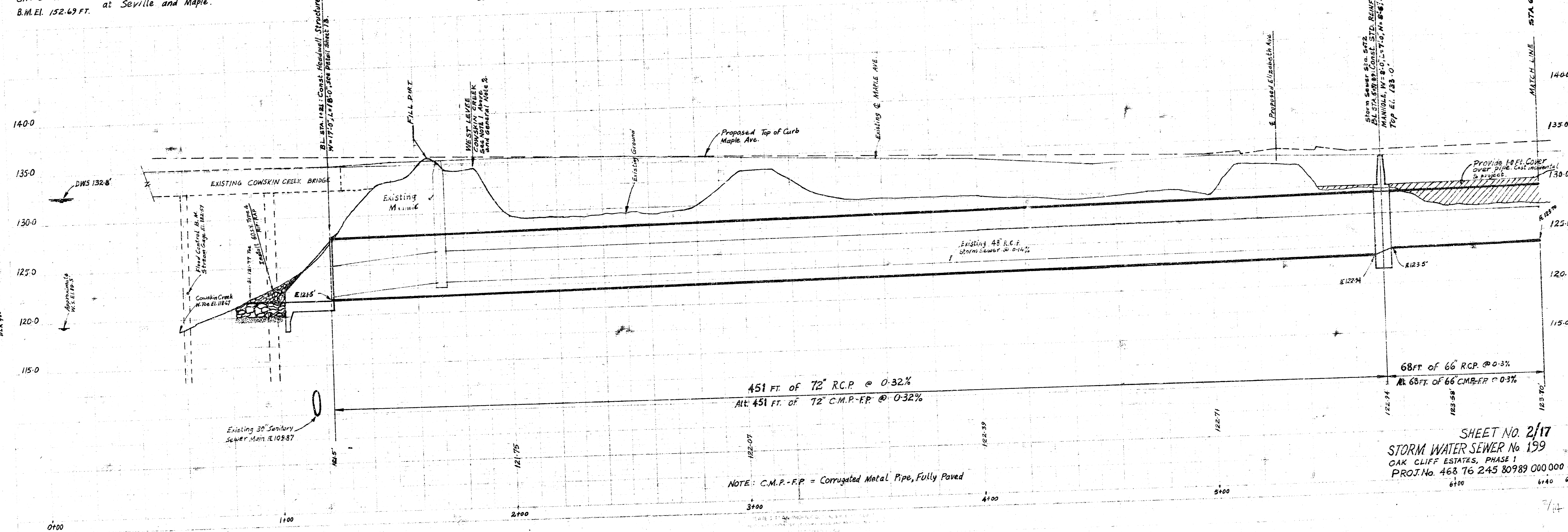


BASE LINE (BL): Center Line of Maple Avenue
 BENCH MARK: Sta. 0+00: A point on Section Line 1400 Feet East of Section Corner T275, R1W; Also 129.56 feet EL. 135.37 ft.
 East of West End of West Bridge at Cowskin Creek.
 City of Wichita: Disc. 28 1/2 Feet South & 42 Feet East of 1/4 Cor. B.M. EL. 152.49 FT.

NOTE 1: The West Levee of Cowskin Creek is Constructed as shown to protect the adjacent ground to the West from the 100-year Flood. The levee is Constructed to Elevation 134.0'. After the storm Sewer is installed, Contractor shall Rebuild the Levee back to Elevation 134.0' with proper Compaction (see General Note 4). Ground Surface shall be Restored to its original Condition with Grass Cover, all at no additional Cost.

NOTE: Const. Manhole at Station 5+71.89 such that the north wall of the Manhole can be removed in future to widen the Manhole approximately 7'-0" additional to allow future Construction of an Inlet in Maple Avenue. Const. Manhole to Top Elevation 130.0', with Brick Stack Top Elevation 133.0'. After Construction Restores Ground to its Original Condition with equal Grass Cover.

LOT 1, BLOCK 1
 MAPLE GARDENS ADDITION



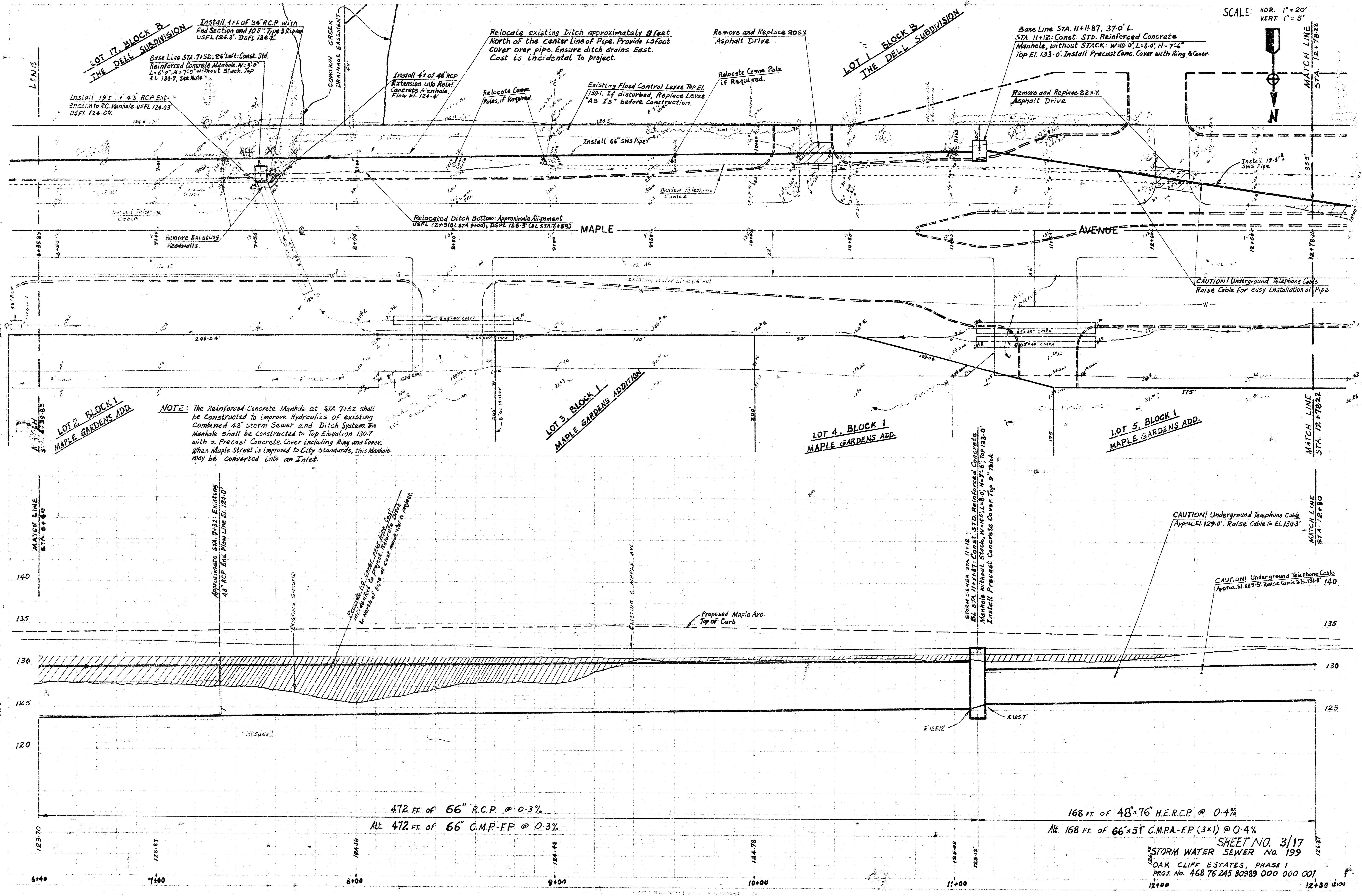
451 FT. OF 72" R.C.P. @ 0.32%
 AL: 451 FT. OF 72" C.M.P.-FP @ 0.32%

NOTE: C.M.P.-FP = Corrugated Metal Pipe, Fully Paved

SHEET No. 2/17
 STORM WATER SEWER No. 199
 OAK CLIFF ESTATES, PHASE I
 PROJ. No. 468 76 245 80989 000,000 001

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SCALE: HOR. 1" = 20'
VERT. 1" = 5'



NOTE: The Reinforced Concrete Manhole at STA 7+52 shall be constructed to improve Hydraulics of existing Combined 48" Storm Sewer and Ditch System. The Manhole shall be constructed to Top Elevation 130.7 with a Precast Concrete Cover including Ring and Cover. When Maple Street is improved to City Standards, this Manhole may be converted into an Inlet.

SHEET NO. 3/17
STORM WATER SEWER No. 199
OAK CLIFF ESTATES, PHASE 1
PROJ. No. 468 76 245 80989 000 000 001
 12+00 12+30 12+90

D. KESLER, KANG & SEYB
Y. D. DESAI

D. KESLER, KANG & SEYB
Y. D. DESAI

SCALE: HOR. 1" = 20'
VERT. 1" = 5'



Base Line STA. 16+95.5, 33'-2" Right
STA. 16+99: Const. Reinforced Concrete Manhole
WITH STACK: W=8'-0", L=6'-6", H=6'-6", Top El. 132'-2"
Const. 2'-6" Brick Stack to Top El. 135'-8". See Note Bl. 11.

UNPLATTED

Base Line STA. 14+19.8, 5'-2" Right
STA. 14+22: Const. Std. Reinforced Concrete Manhole
Without STACK. W=10'-0", L=10'-0", H=8'-0", Top El. 133'-7"
Install Precast Concrete Cover with Ring & Cover.

Install 4'-0" of 18" Pipe Subs North
and South R 131'-2". Provide Temporary Mfg.

CAUTION! Bell Telephone Cable, Approx. El. 130'-0"
To be lowered to El. 125'-0" by Others

CAUTION! 16" WATER MAIN
See This Sheet and Sheet II

NOTE: Manhole at BL STA. 16+95.5 shall be constructed with 2'-6" Brick Stack
with Top at El. 135'-8", approximately to existing ground surface
Elevation. Construct manhole so it can be easily rebuilt as
Modified Type I-A Curb Inlet in future.

Base Line STA. 14+50, 38'-0" Right.
STA. 14+66.59 Back = STA. 14.53+45 Ahead: Const.
STD. Reinforced Concrete Manhole, W=8'-0", L=6'-0",
H=7'-6", Top El. 134'-0"

Install 9'-3" storm Water Sewer Pipe
See plan and Profile, Sheets II & 12, Lines 1-8

OAK CLIFF
ESTATES

LOT 2
BLOCK 20

LOT 1
BLOCK 20

OAK CLIFF
ESTATES

EXISTING GROUND

Proposed Top of Curb
Maple Ave.

STORM SEWER STA. 16+99
BL STA. 16+95.5: Const. Std. Reinforced Concrete
Manhole with 2'-6" Brick Stack to Top El. 135'-8"
Precast Conc. Cover with Ring and Cover. See Note Above.

STORM SEWER STA. 14+22
BL STA. 14+19.8: Const. Std. Reinforced Concrete
Manhole Without Stack. W=10'-0", L=10'-0", H=8'-0",
Top El. 133'-7". Install Precast Concrete Cover with
Ring and Cover.

CAUTION! Approximate
STA. 14+93.16 "C" WATER
Main, Top El. 125'-6"

0.3" Pipe, R. 127.0
See Sheet II

142 FT. of 48"x76" H.E.R.C.P. @ 0.4%
Alt. 142 FT. of 66"x51" C.M.P.A.-F.P. (3x1) @ 0.4%

290 FT. of 43"x68" H.E.R.C.P. @ 0.3%
Alt. 290 FT. of 60"x46" C.M.P.A.-F.P. (3x1) @ 0.3%

221 FT. of 38"x60" H.E.R.C.P. @ 0.4%
Alt. 221 FT. of 53"x41" C.M.P.A.-F.P. (3x1) @ 0.4%

SHEET No. 4/17
STORM WATER SEWER No. 139
OAK CLIFF ESTATES, PHASE 1
PROJ. No.: 468 76 245 80989 000 000 001

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SCALE: HOR. 1" = 20'
VERT. 1" = 5'



TRACT NO: DE-365-5

Base Line Sta. 21+75.5, 29.5 Ft. Right
Sta. 21+79 Const. Std. Type I-A Curb Inlet, W=8'-0"
Top El. 138'-8", Install Precast Concrete Cover. Fill around
to Existing Ground Surface El. 138'-8"; See NOTE Below

MATCH LINE
STA. 19+76.5

MATCH LINE
STA. 25+46.5

MATCH LINE
STA. 19+76.5

MATCH LINE
STA. 25+46.5

LOT 2, BLOCK 20
OAK CLIFF ESTATES

LOT 3, BLOCK 20
OAK CLIFF ESTATES

LOT 10, BLOCK 20
OAK CLIFF ESTATES

NOTE: The Inlet at Base Line STA. 21+75.5 is to be constructed as Brick Manhole to Elevation approx. 138'-0". It shall be covered to El. 138'-7" with precast Concrete Cover with 24" Dia. Manhole Ring and Cover. In future when Maple Avenue is constructed with Curb and Gutter, this inlet shall be modified to work as Type I-A Curb Inlet, W=8'-0".

Install 4.0 Ft. of 24" Pipe
Stub North E. El. 133.5.

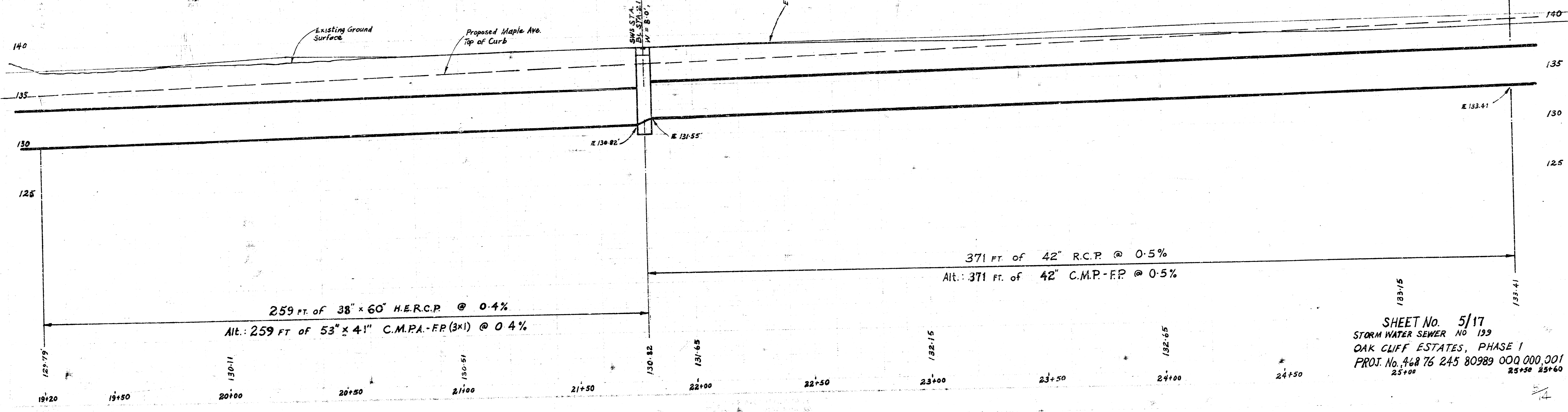
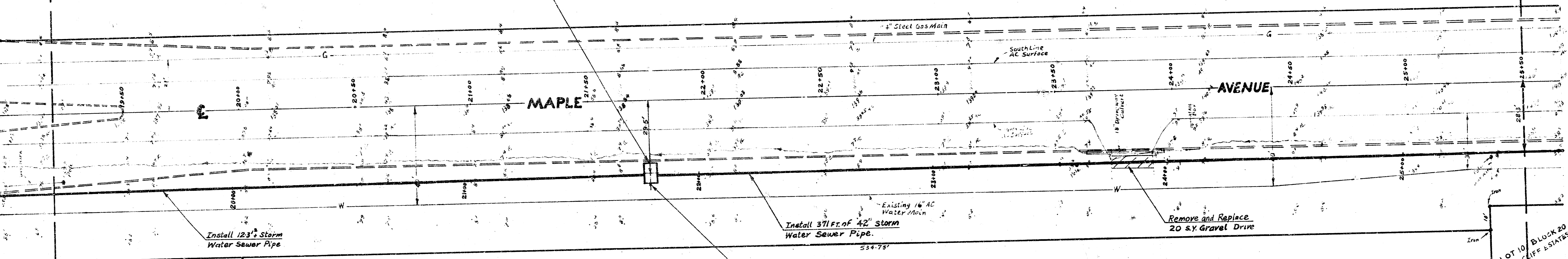
Install 123' Storm
Water Sewer Pipe

Install 371 Ft. of 42" Storm
Water Sewer Pipe.

Remove and Replace
20 sy Gravel Drive

MAPLE

AVENUE



SHEET No. 5/17
STORM WATER SEWER NO. 139
OAK CLIFF ESTATES, PHASE I
PROJ. No. 468 76 245 80989 000 000 001
25+00 25+50 25+60

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BASE LINE: ϕ OF LARK AVENUE.
 STA. 0+00 Is 50 Feet North
 OF Center Line of Maple Avenue.

BENCH MARK: El. 140.34 FT.; Rail Road Spike
 East Face of Power Pole. Approx
 60 Feet North of Center Line
 of Maple Ave., and 1135 Feet
 West of Center Line of
 Maize Road.

UNPLATTED
 DE 36-9

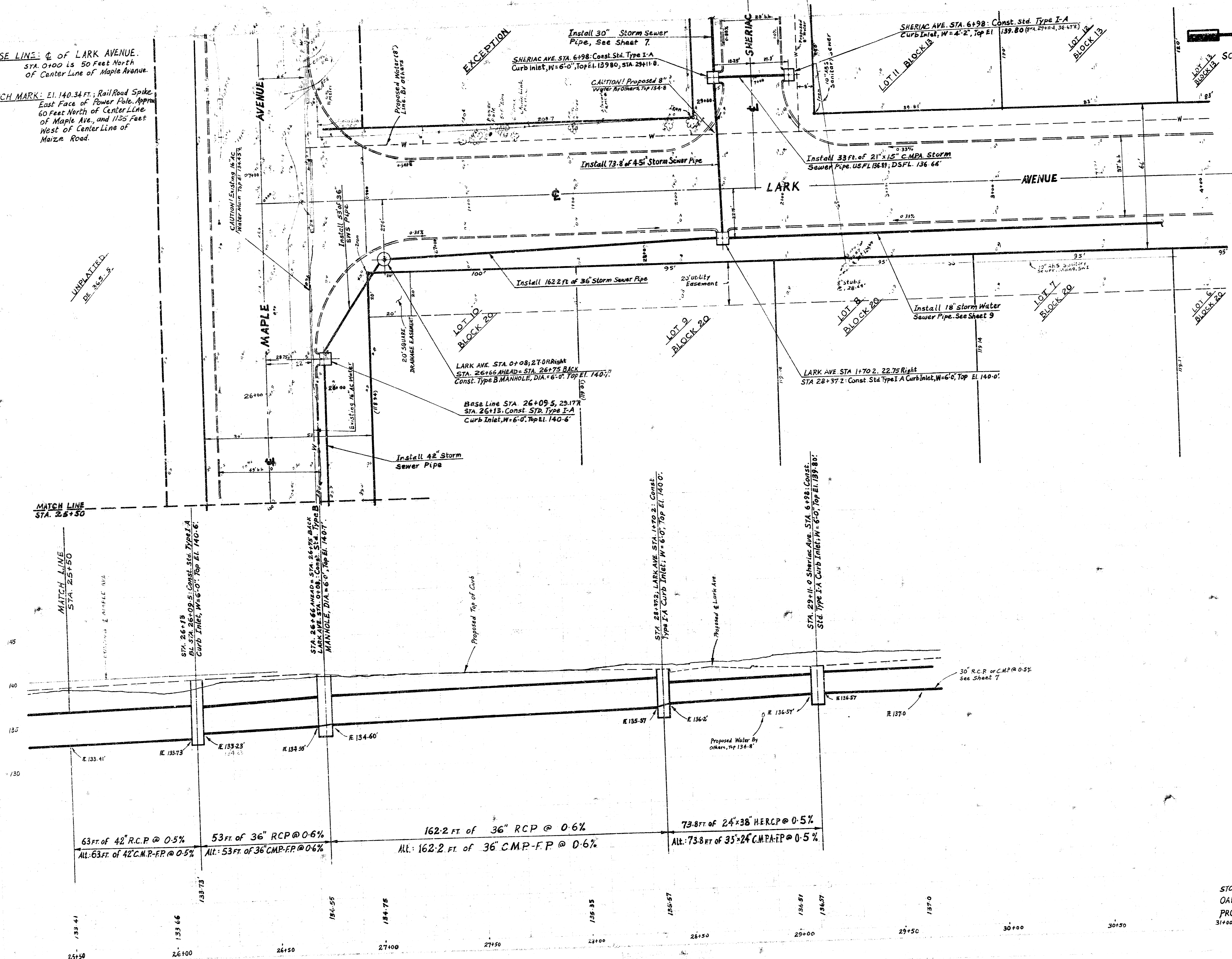
SCALE: HOR. 1" = 20'
 VERT. 1" = 5'

D. L. KRUG, ENGINEER

D. L. KRUG, ENGINEER

D. L. KRUG, ENGINEER

D. L. KRUG, ENGINEER



MATCH LINE
 STA. 25+50

MATCH LINE
 STA. 25+50

STA. 26+19
 AL STA. 26+00 S. Const. Std. Type I-A
 CURB INLET, W=6'-0", TOP EL. 140.6'

STA. 26+66 AHEAD = STA. 26+75 BACK
 LARK AVE. STA. 0+00, Const. Std. Type B
 MANHOLE, DIA. = 6'-0", TOP EL. 140.7'

LARK AVE. STA. 0+08, 27.00 Right
 STA. 26+56 AHEAD = STA. 26+75 BACK
 Const. Type B MANHOLE, DIA. = 6'-0", TOP EL. 140.7'

Base Line STA. 26+09.5, 29.17 R
 STA. 26+15, Const. STD. Type I-A
 Curb Inlet, W=6'-0", Top El. 140.6'

STA. 28+77.5, LARK AVE. STA. 1+70.2, Const.
 Type I-A Curb Inlet, W=6'-0", TOP EL. 140.0'

STA. 29+11.0, SHERIAN AVE. STA. 6+98, Const.
 Std. Type I-A Curb Inlet, W=6'-0", TOP EL. 139.80'

63 FT. OF 42" R.C.P. @ 0.5%
 Alt. 63 FT. OF 42" C.M.P.-F.P. @ 0.5%

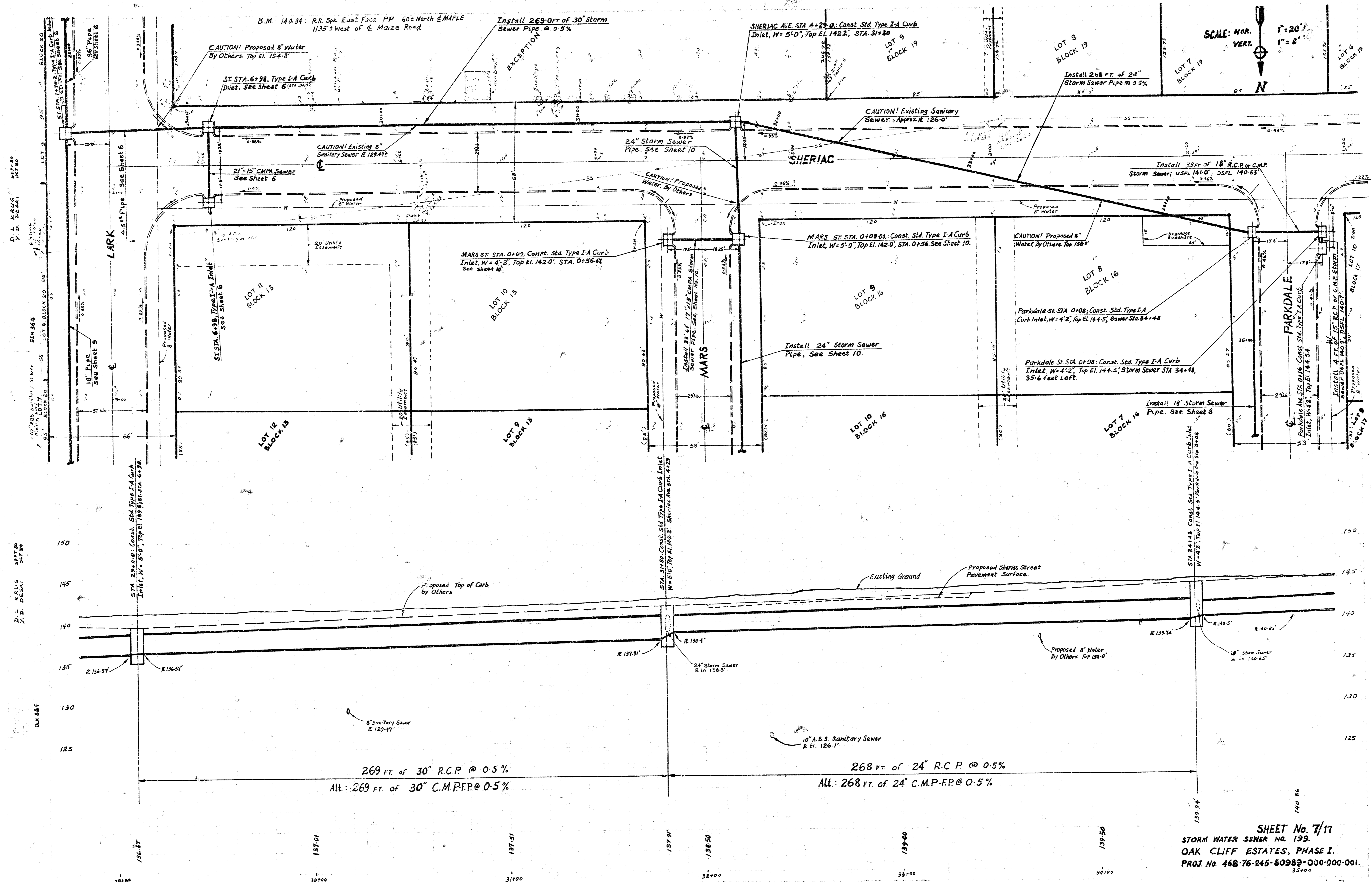
53 FT. OF 36" RCP @ 0.6%
 Alt. 53 FT. OF 36" C.M.P.-F.P. @ 0.6%

162.2 FT. OF 36" RCP @ 0.6%
 Alt. 162.2 FT. OF 36" C.M.P.-F.P. @ 0.6%

73.8 FT. OF 24" x 36" H.R.C.P. @ 0.5%
 Alt. 73.8 FT. OF 35" x 24" C.M.P.A.-F.P. @ 0.5%

SHEET NO 6/17
 STORM WATER SEWER NO 199
 OAK CLIFF ESTATES, PHASE I
 PROJ NO. 468-76-245-80989-000-000-001
 31+00

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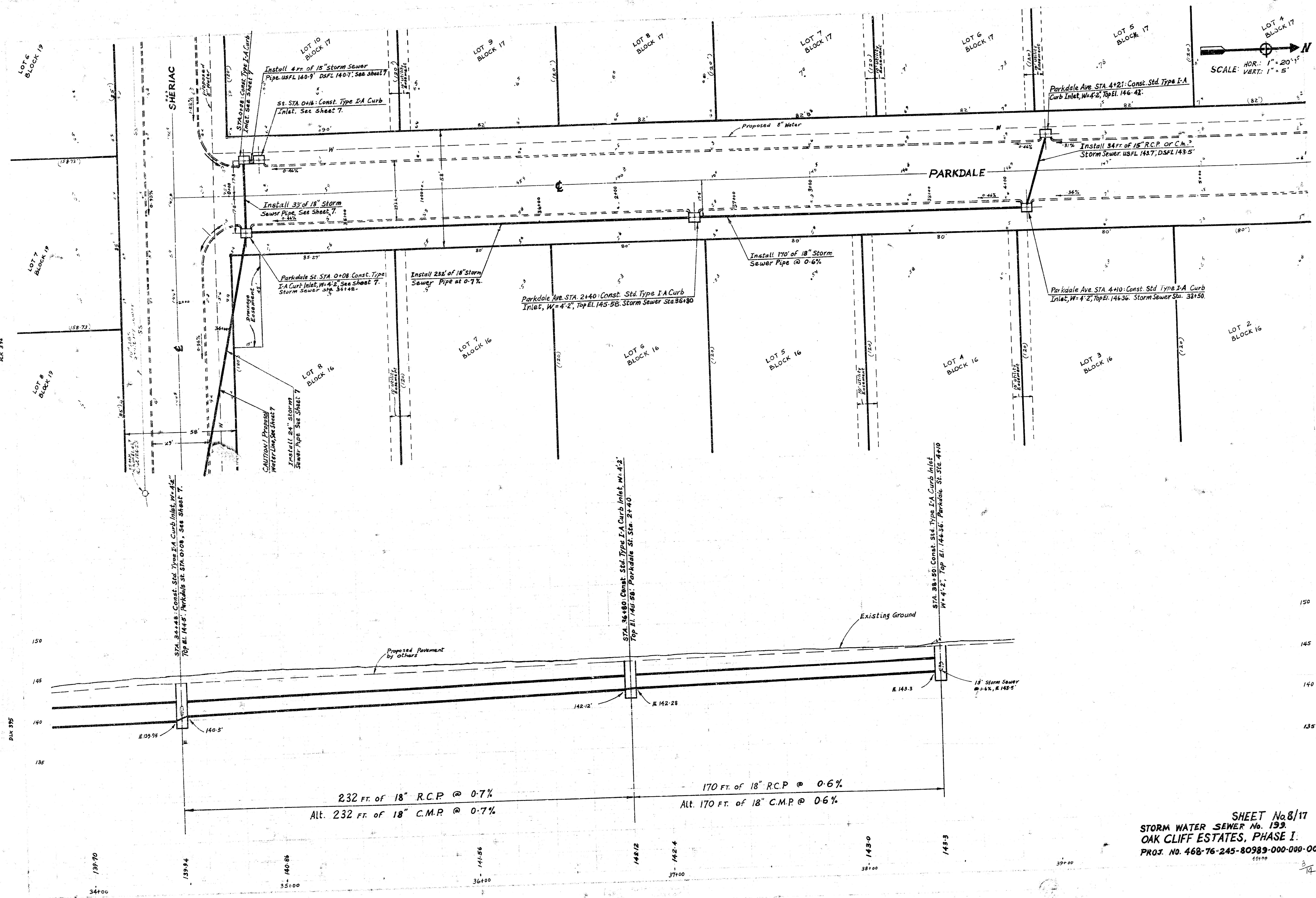


SCALE: HOR. VERT. 1" = 20' 1" = 5'

SHEET No. 7/17
 STORM WATER SEWER NO. 129.
 OAK CLIFF ESTATES, PHASE I.
 PROJ. No. 468-76-245-80989-000-000-001.
 3.5.00

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P. L. KRUA
Y. D. DELAY
OCT 80
DEC 80



SCALE: HOR: 1" = 20'
VERT: 1" = 5'

232 FT. of 18" R.C.P. @ 0.7%
Alt. 232 FT. of 18" C.M.P. @ 0.7%

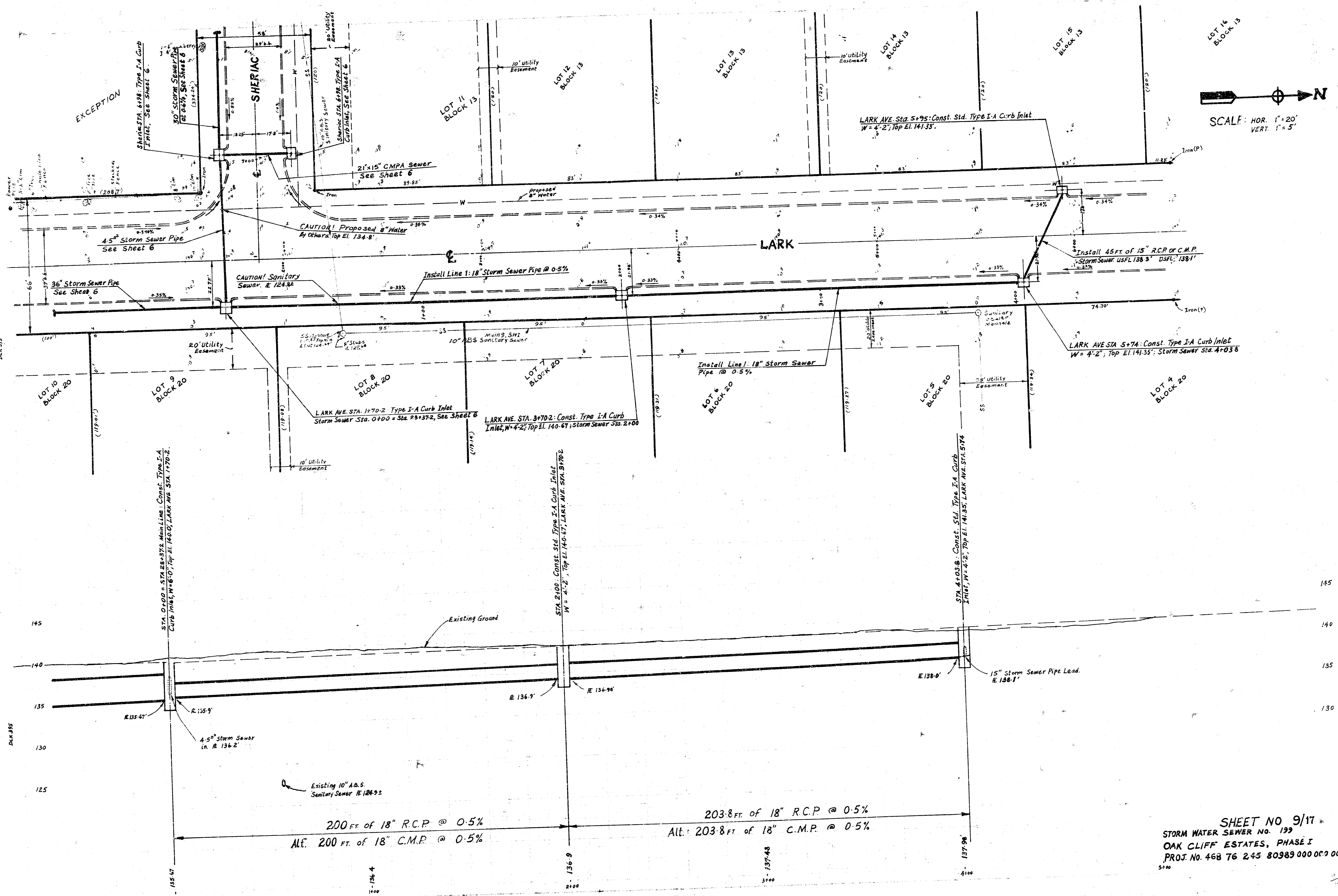
170 FT. of 18" R.C.P. @ 0.6%
Alt. 170 FT. of 18" C.M.P. @ 0.6%

SHEET No. 8/17
STORM WATER SEWER No. 139
OAK CLIFF ESTATES, PHASE I.
PROJ. NO. 468-76-245-80989-000-000-001

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SEP 18
NOV 80
D. J. KRUG
D. D. DEAN

SEP 18
NOV 80
D. J. KRUG
D. D. DEAN



SCALE: HOR. 1" = 20'
VERT. 1" = 5'

DLK 395

DLK 395

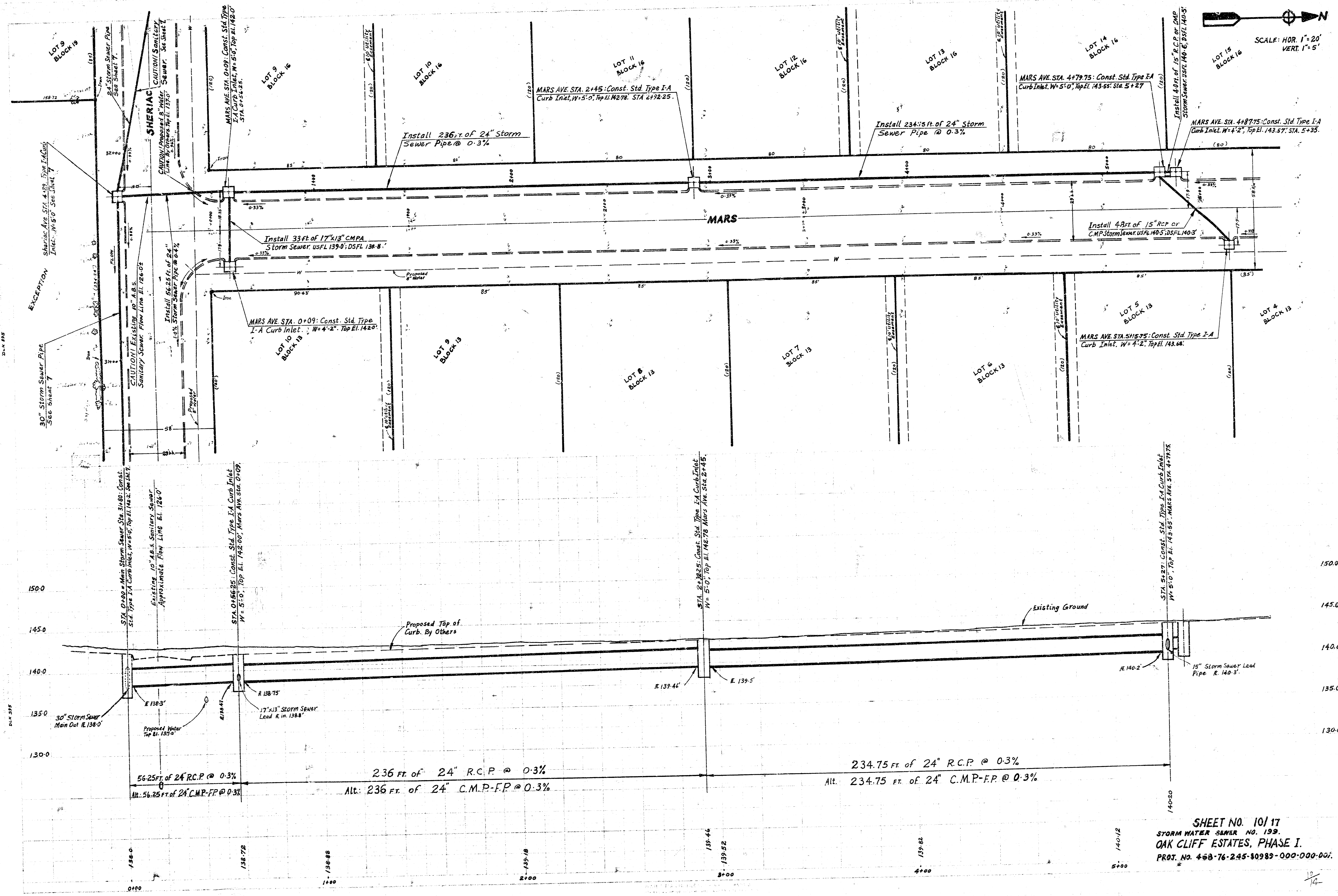
200 FT. of 18" R.C.P. @ 0.5%
Alt. 200 FT. of 18" C.M.P. @ 0.5%

203.8 FT. of 18" R.C.P. @ 0.5%
Alt. 203.8 FT. of 18" C.M.P. @ 0.5%

SHEET NO 9/17
STORM WATER SEWER NO. 199
OAK CLIFF ESTATES, PHASE I
PROJ. NO. 468 76 2-45 80989 000 007 001

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SCALE: HOR. 1"=20'
VERT. 1"=5'

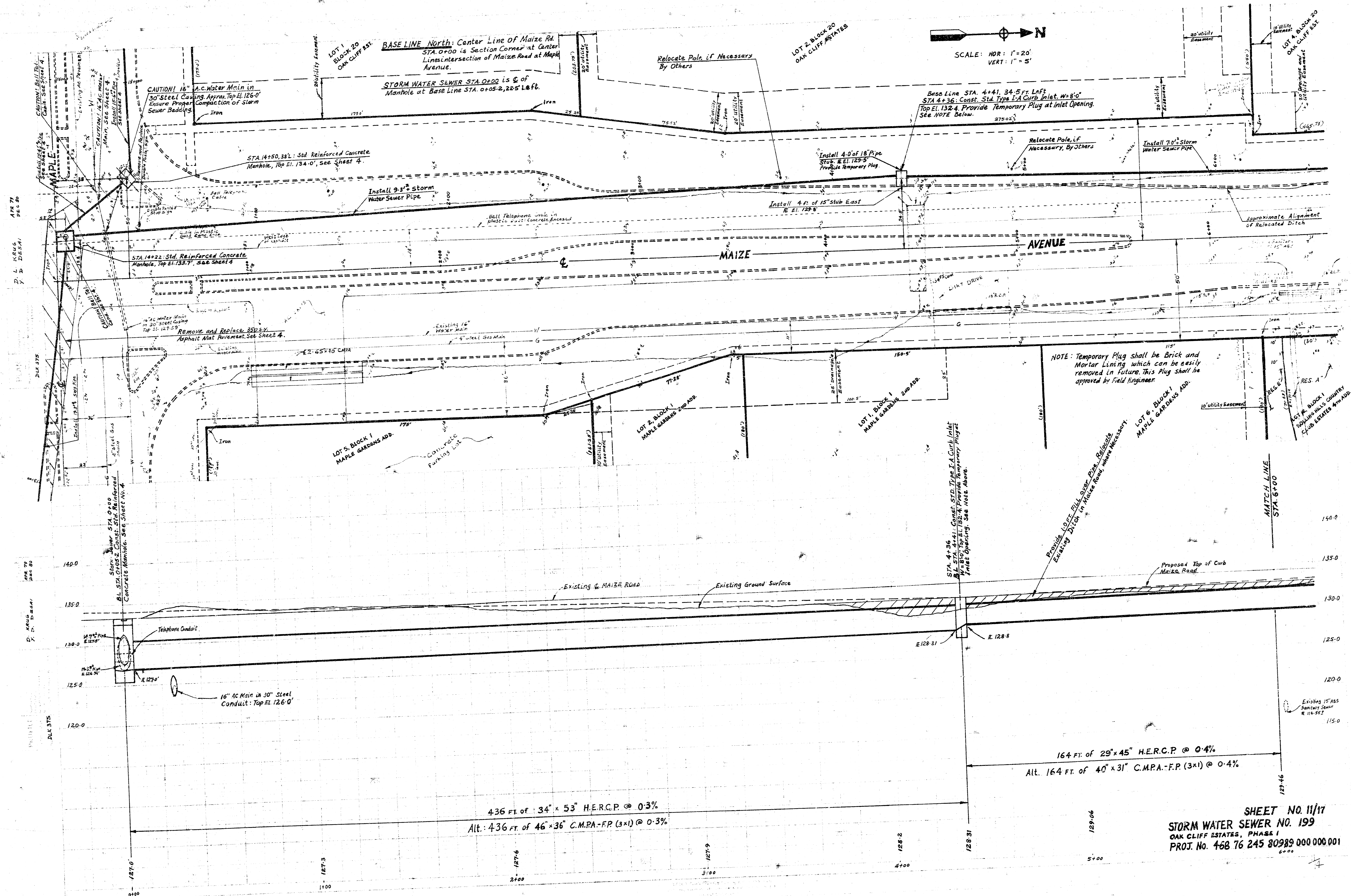


P.L. KRUG
 X.D. DEBAI
 DEC 80

P.L. KRUG
 X.D. DEBAI
 DEC 80

SHEET NO. 10/17
 STORM WATER SEWER NO. 199
 OAK CLIFF ESTATES, PHASE I
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VERT: 1" = 5'

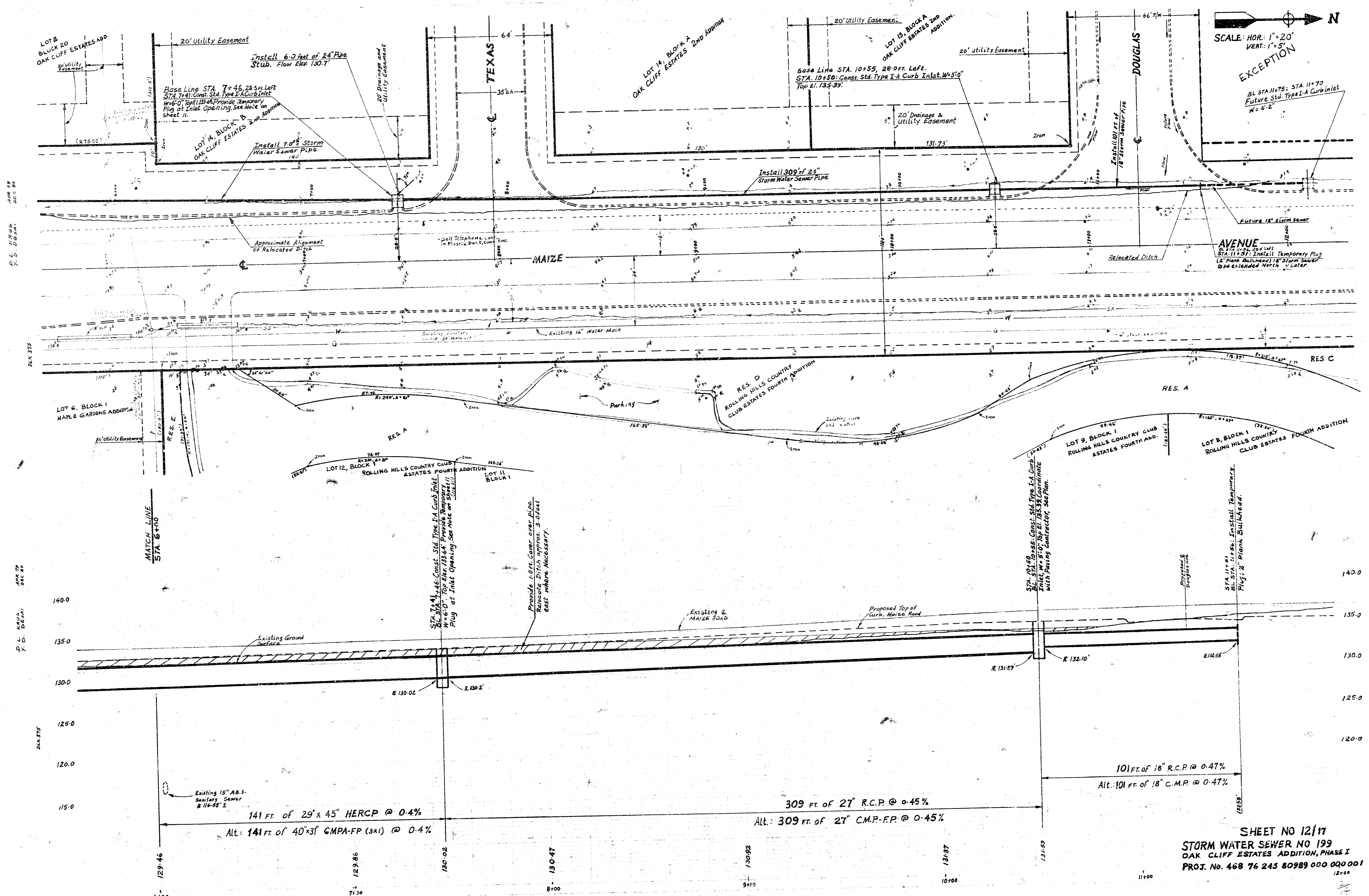
NOTE: Temporary Plug shall be Brick and Mortar Lining which can be easily removed in future. This Plug shall be approved by Field Engineer.

436 FT. of 34" x 53" H.E.R.C.P. @ 0.3%
Alt: 436 FT. of 46" x 36" C.M.P.A.-F.P. (3x1) @ 0.3%

164 FT. of 29" x 45" H.E.R.C.P. @ 0.4%
Alt. 164 FT. of 40" x 31" C.M.P.A.-F.P. (3x1) @ 0.4%

SHEET NO. 11/17
STORM WATER SEWER NO. 199
OAK CLIFF ESTATES, PHASE I
PROJ. No. 468 76 245 80989 000 000 001

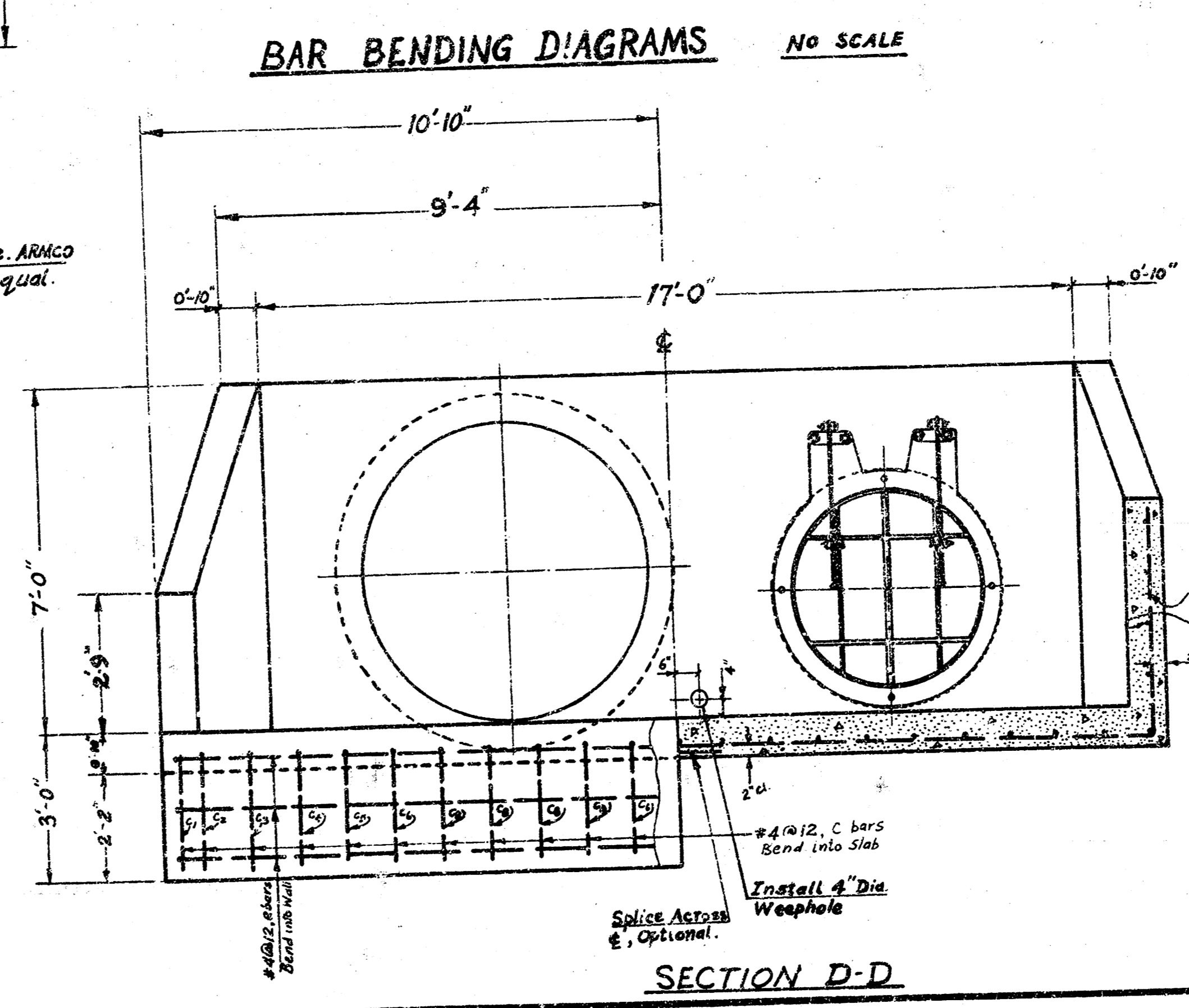
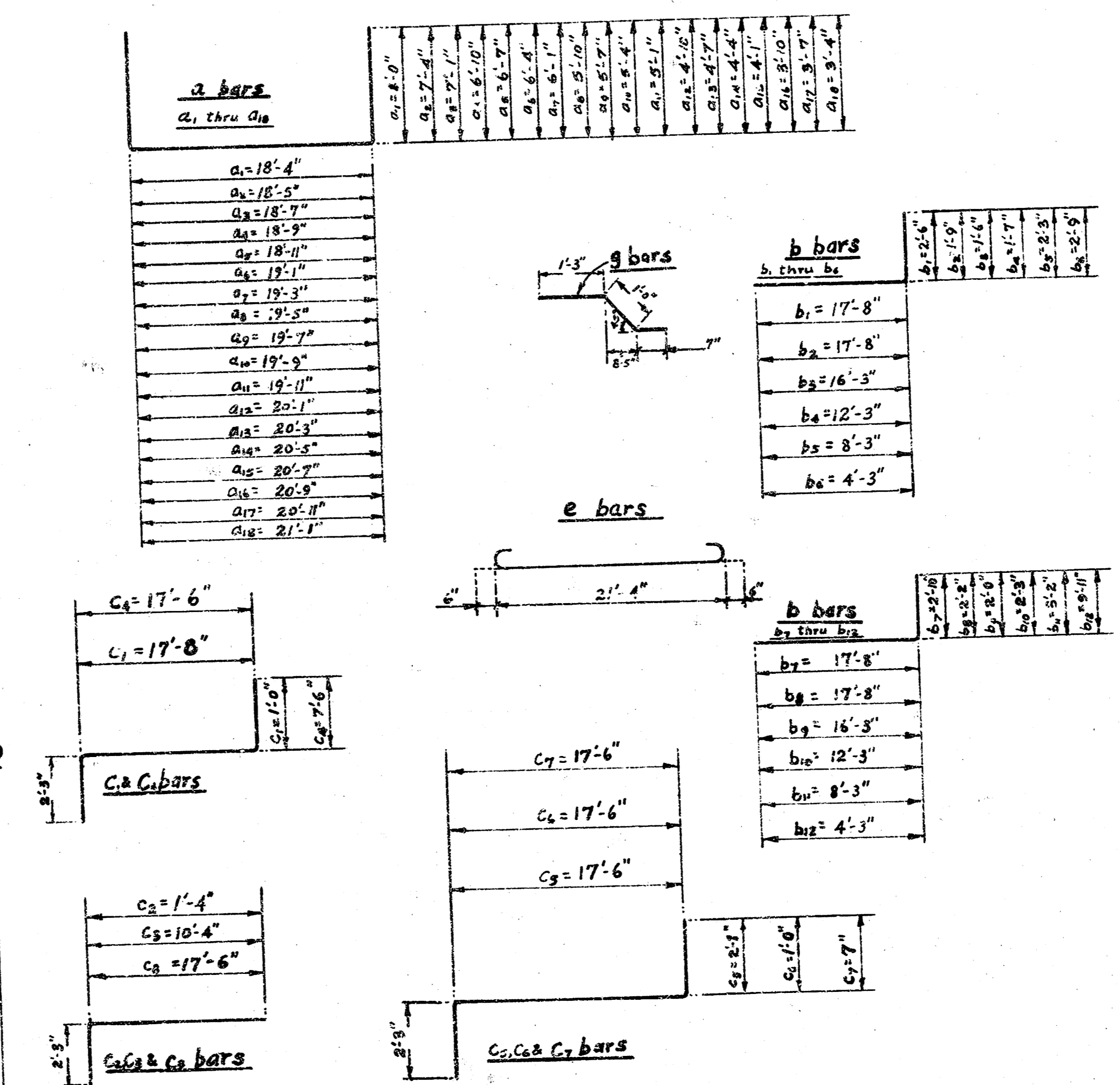
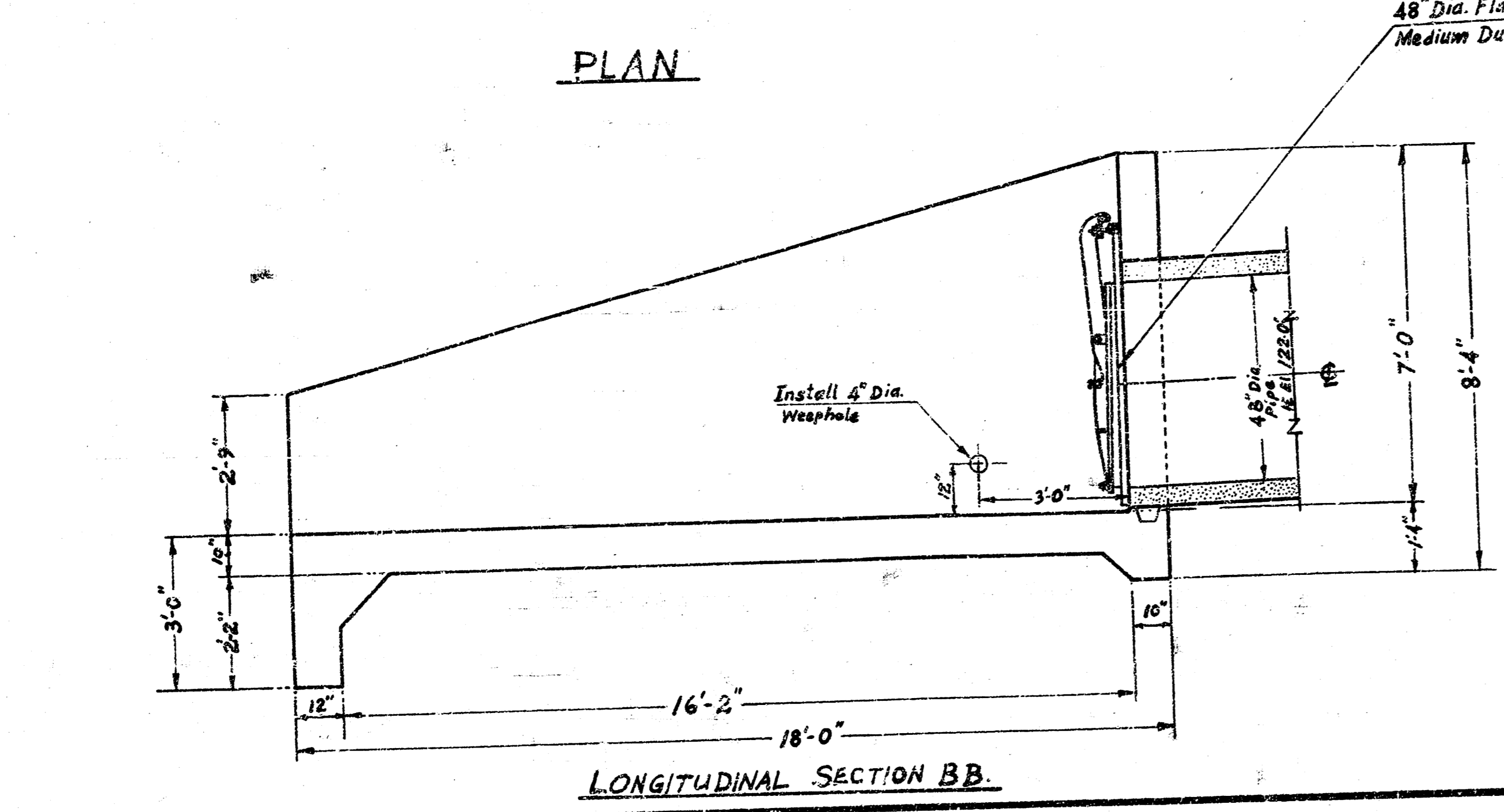
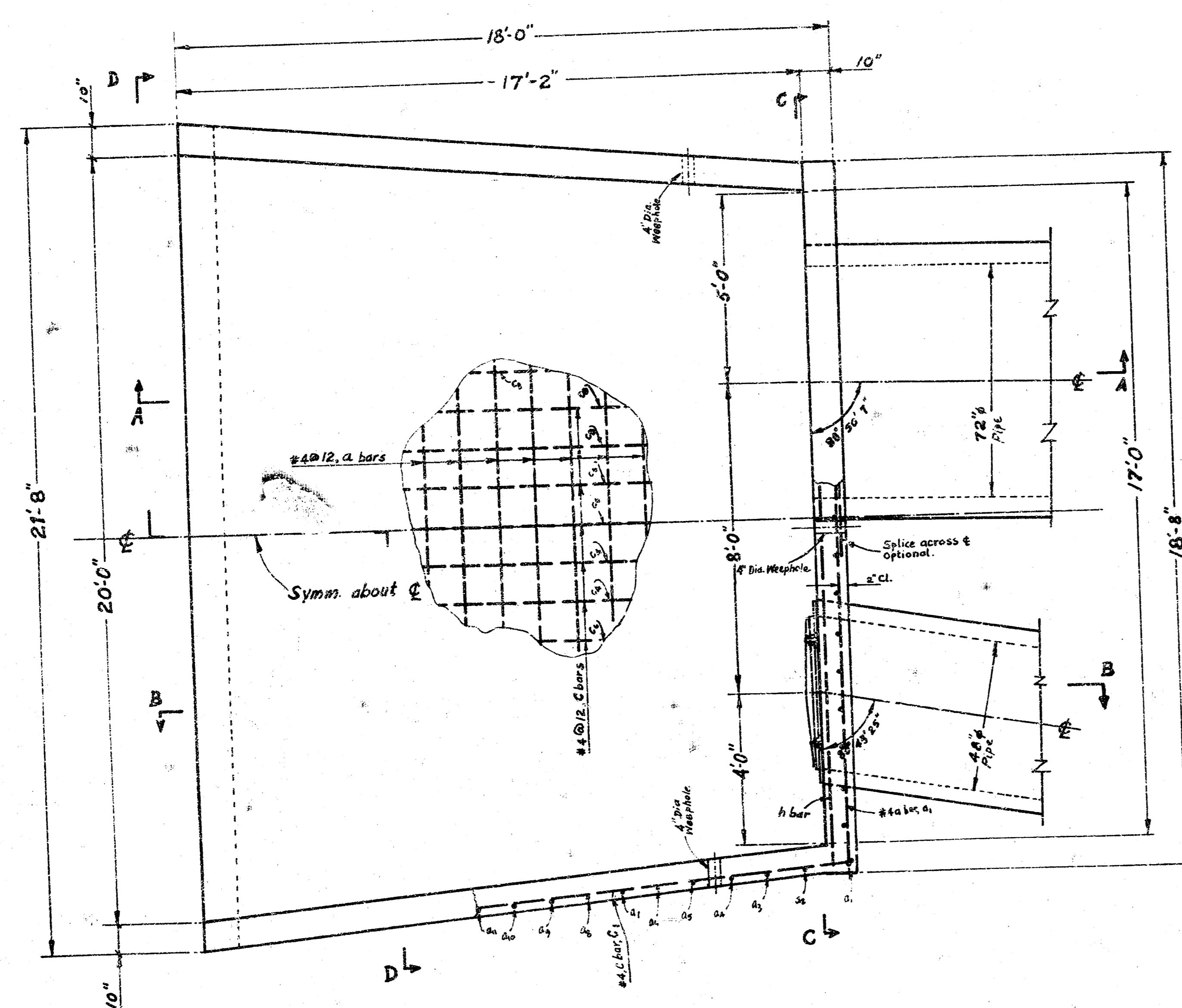
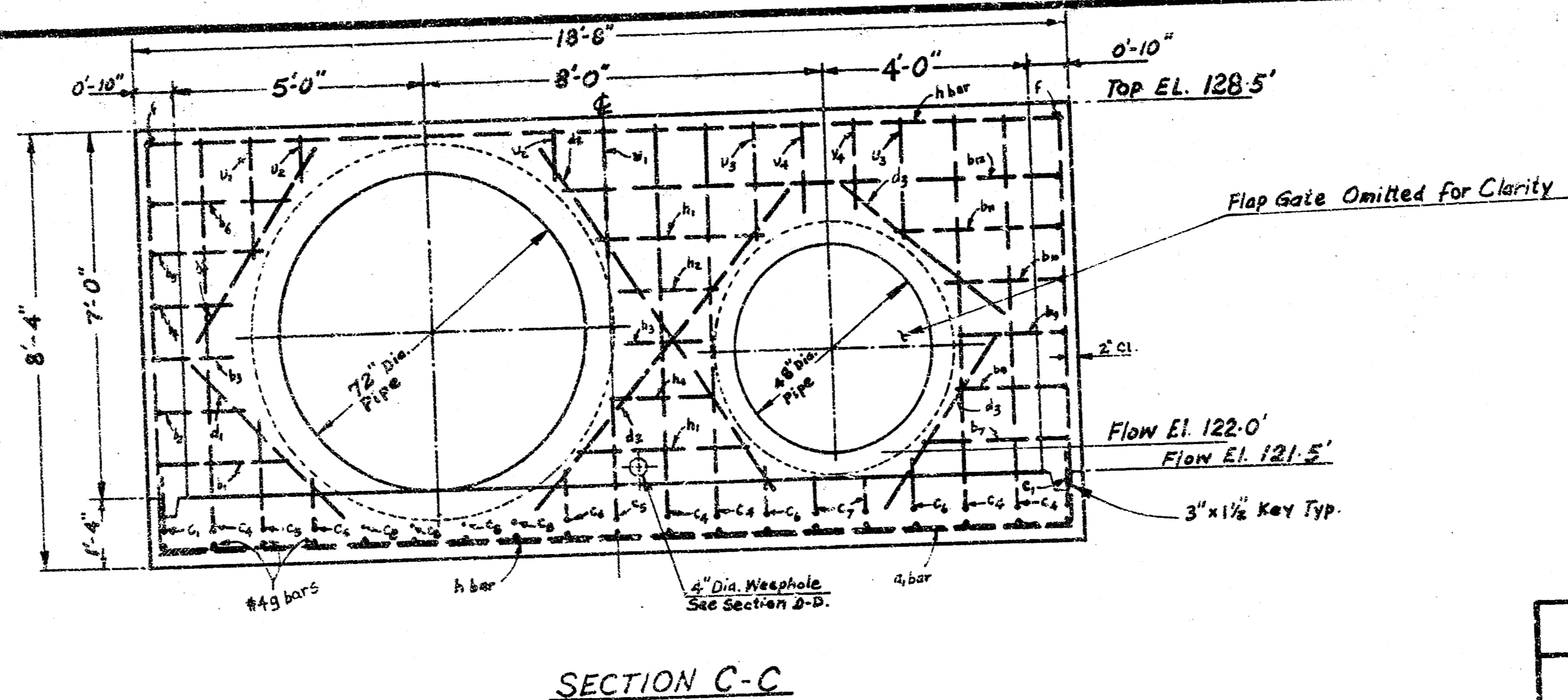
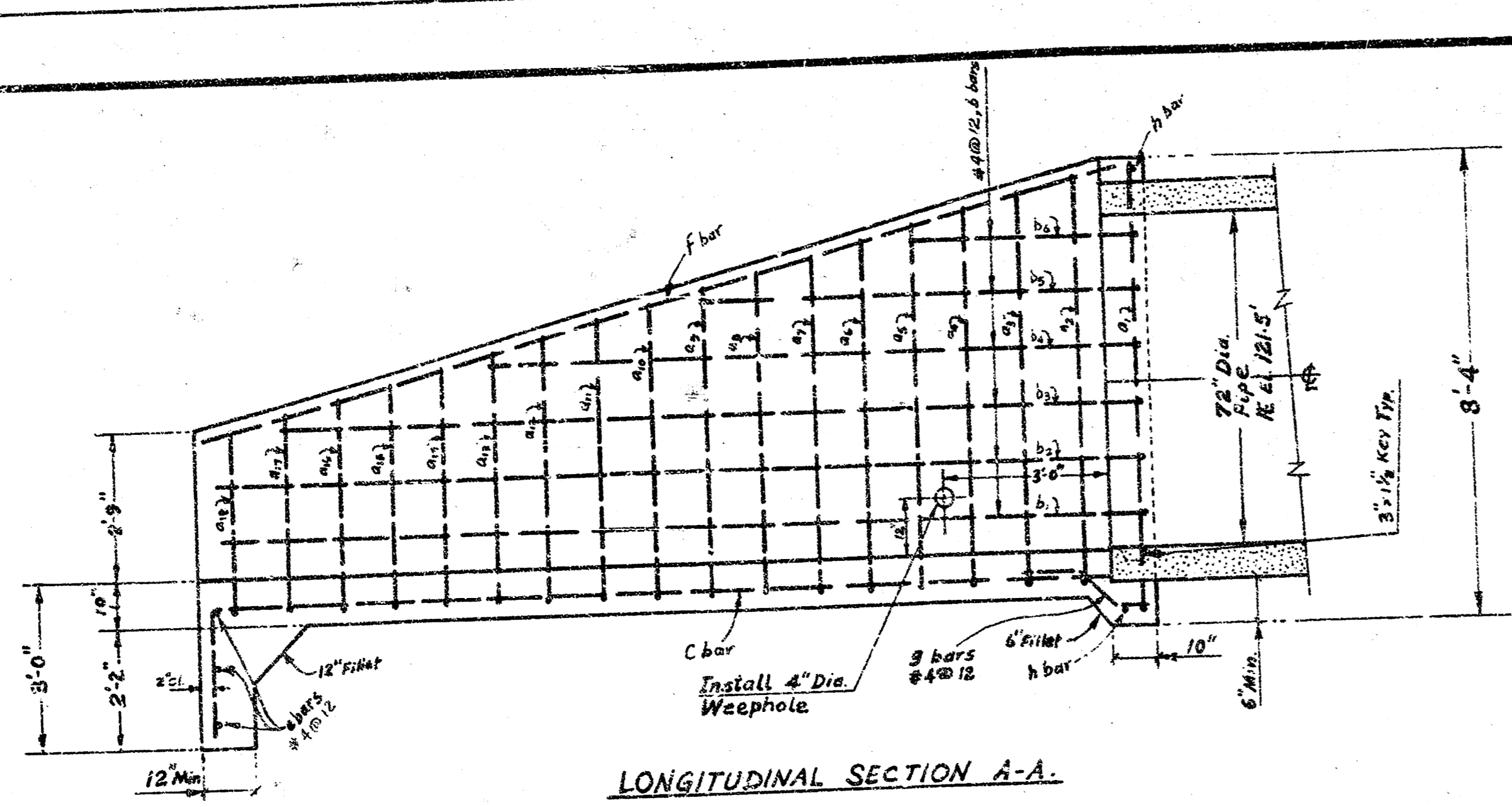
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SCALE: HOR: 1"=20'
 VERT: 1"=5'
 EXCEPTION

SHEET NO 12/17
 STORM WATER SEWER NO 199
 OAK CLIFF ESTATES ADDITION, PHASE I
 PROJ. No. 468 76 243 80989 000 000 001
 12/00

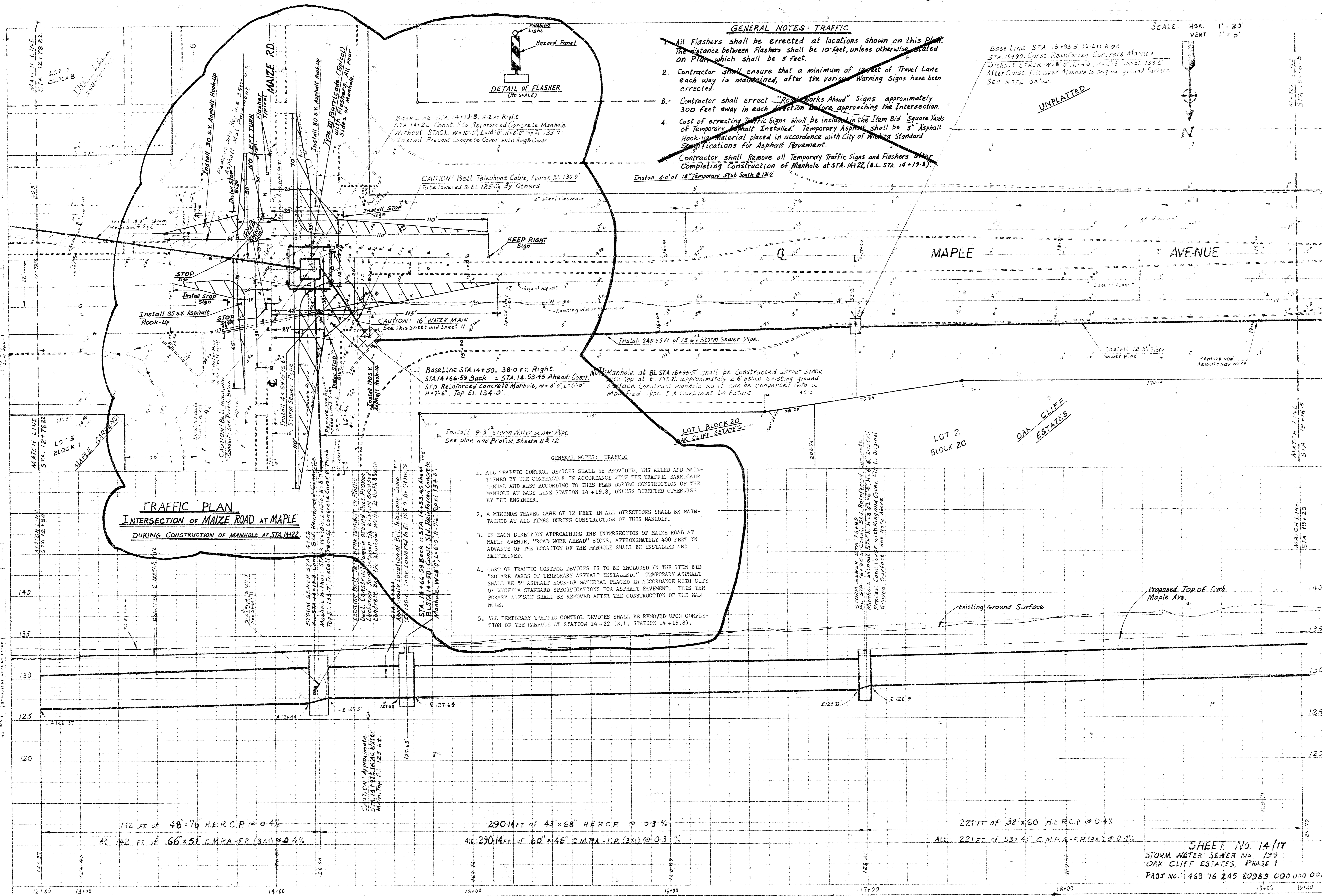
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BAR SCHEDULE				
BAR	LENGTH	NO.	SHAPE	WEIGHT
a ₁	34'-4"	1		22.94
a ₂	33'-1"	1		22.10
a ₃	32'-9"	1		21.88
a ₄	32'-5"	1		21.66
a ₅	32'-1"	1		21.44
a ₆	31'-9"	1		21.21
a ₇	31'-5"	1		20.99
a ₈	31'-1"	1		20.76
a ₉	30'-9"	1		20.55
a ₁₀	30'-5"	1		20.32
a ₁₁	30'-1"	1		20.10
a ₁₂	29'-9"	1		19.88
a ₁₃	29'-5"	1		19.65
a ₁₄	29'-1"	1		19.43
a ₁₅	28'-9"	1		19.21
a ₁₆	28'-5"	1		18.99
a ₁₇	28'-1"	1		18.76
a ₁₈	27'-9"	1		18.54
b ₁	20'-2"	1		13.47
b ₂	19'-5"	1		12.97
b ₃	17'-9"	1		11.86
b ₄	13'-10"	1		7.24
b ₅	10'-6"	1		4.69
b ₆	7'-0"	1		3.70
b ₇	20'-6"	1		13.25
b ₈	19'-10"	1		12.19
b ₉	18'-3"	1		9.69
b ₁₀	14'-6"	1		7.63
b ₁₁	11'-5"	1		9.47
b ₁₂	14'-2"	1		27.95
c ₁	20'-11"	2		4.79
c ₂	3'-7"	2		16.81
c ₃	12'-7"	2		91.03
c ₄	27'-3"	5		29.18
c ₅	21'-10"	2		55.46
c ₆	20'-9"	4		27.17
c ₇	20'-4"	2		52.78
c ₈	19'-9"	4		11.36
d ₁	4'-3"	4		21.38
d ₂	8'-0"	4		10.69
d ₃	4'-0"	4		14.76
e	22'-4"	3		23.72
f	17'-9"	2		35.97
g	2'-10"	19		4.45
h ₁	3'-4"	2		1.34
h ₂	2'-0"	1		1.00
h ₃	1'-6"	1		1.39
h ₄	2'-1"	1		24.50
h	18'-4"	2		3.12
v ₁	2'-4"	2		1.11
v ₂	0'-10"	2		3.01
v ₃	2'-3"	2		2.34
v ₄	1'-9"	2		
TOTAL REBARS				988.90 lb.
VOLUME OF CONCRETE				21.87 c.y.

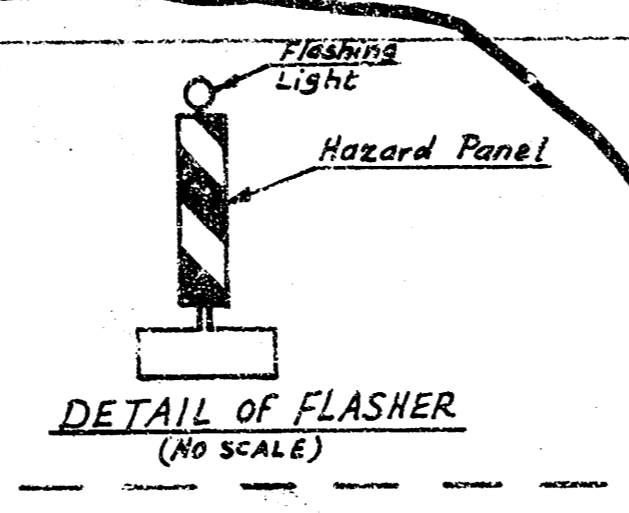
SHEET NO. 13/17
 STORM WATER SEWER No. 199
 OAK CLIFF ESTATES, PHASE I
 PROJ. No. 468-76-245-80989-000-000-00

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GENERAL NOTES: TRAFFIC

- All Flashers shall be erected at locations shown on this Plan. The distance between Flashers shall be 10 feet, unless otherwise stated on Plan which shall be 5 feet.
 - Contractor shall ensure that a minimum of 12 feet of Travel Lane each way is maintained, after the various Warning Signs have been erected.
 - Contractor shall erect "Road Works Ahead" Signs approximately 300 feet away in each direction before approaching the Intersection.
 - Cost of erecting Traffic Signs shall be included in the Item Bid "Square Yards of Temporary Asphalt Installed." Temporary Asphalt shall be 5" Asphalt Hook-up material placed in accordance with City of Wichita Standard Specifications for Asphalt Pavement.
- Contractor shall Remove all Temporary Traffic Signs and Flashers after Completing Construction of Manhole at STA. 14+22 (B.L. STA. 14+19.8).
- Install 4.0' of 18" Temporary Stud South of 1312



SCALE: HOR. 1" = 20'
VERT. 1" = 5'

Base Line STA 15+35.53 2+1 R pt
STA 15+99 Const Reinforced Concrete Manhole
WITHOUT STACK W/ 8" DIA. 15' H. 10' DIA. 13' H
After Const. Fill over Manhole to Original Ground Surface
See Note Below.

UNPLATTED



TRAFFIC PLAN
INTERSECTION OF MAIZE ROAD AT MAPLE
DURING CONSTRUCTION OF MANHOLE AT STA. 14+22

GENERAL NOTES: TRAFFIC

- ALL TRAFFIC CONTROL DEVICES SHALL BE PROVIDED, MAINTAINED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE TRAFFIC BARRICADE MANUAL AND ALSO ACCORDING TO THIS PLAN DURING CONSTRUCTION OF THE MANHOLE AT BASE LINE STATION 14+19.8, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
- A MINIMUM TRAVEL LANE OF 12 FEET IN ALL DIRECTIONS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION OF THIS MANHOLE.
- IN EACH DIRECTION APPROACHING THE INTERSECTION OF MAIZE ROAD AT MAPLE AVENUE, "ROAD WORK AHEAD" SIGNS, APPROXIMATELY 400 FEET IN ADVANCE OF THE LOCATION OF THE MANHOLE SHALL BE INSTALLED AND MAINTAINED.
- COST OF TRAFFIC CONTROL DEVICES IS TO BE INCLUDED IN THE ITEM BID "SQUARE YARDS OF TEMPORARY ASPHALT INSTALLED." TEMPORARY ASPHALT SHALL BE 5" ASPHALT HOOK-UP MATERIAL PLACED IN ACCORDANCE WITH CITY OF WICHITA STANDARD SPECIFICATIONS FOR ASPHALT PAVEMENT. THIS TEMPORARY ASPHALT SHALL BE REMOVED AFTER THE CONSTRUCTION OF THE MANHOLE.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED UPON COMPLETION OF THE MANHOLE AT STATION 14+22 (B.L. STATION 14+19.8).

PLAN
SURVEYED BY
DATE
SCALE

PROFILE
SURVEYED BY
DATE
SCALE

SHEET NO. 14/17
STORM WATER SEWER No. 139
OAK CLIFF ESTATES, PHASE 1
PROJ. NO. 469 76 245 80989 000 000 001