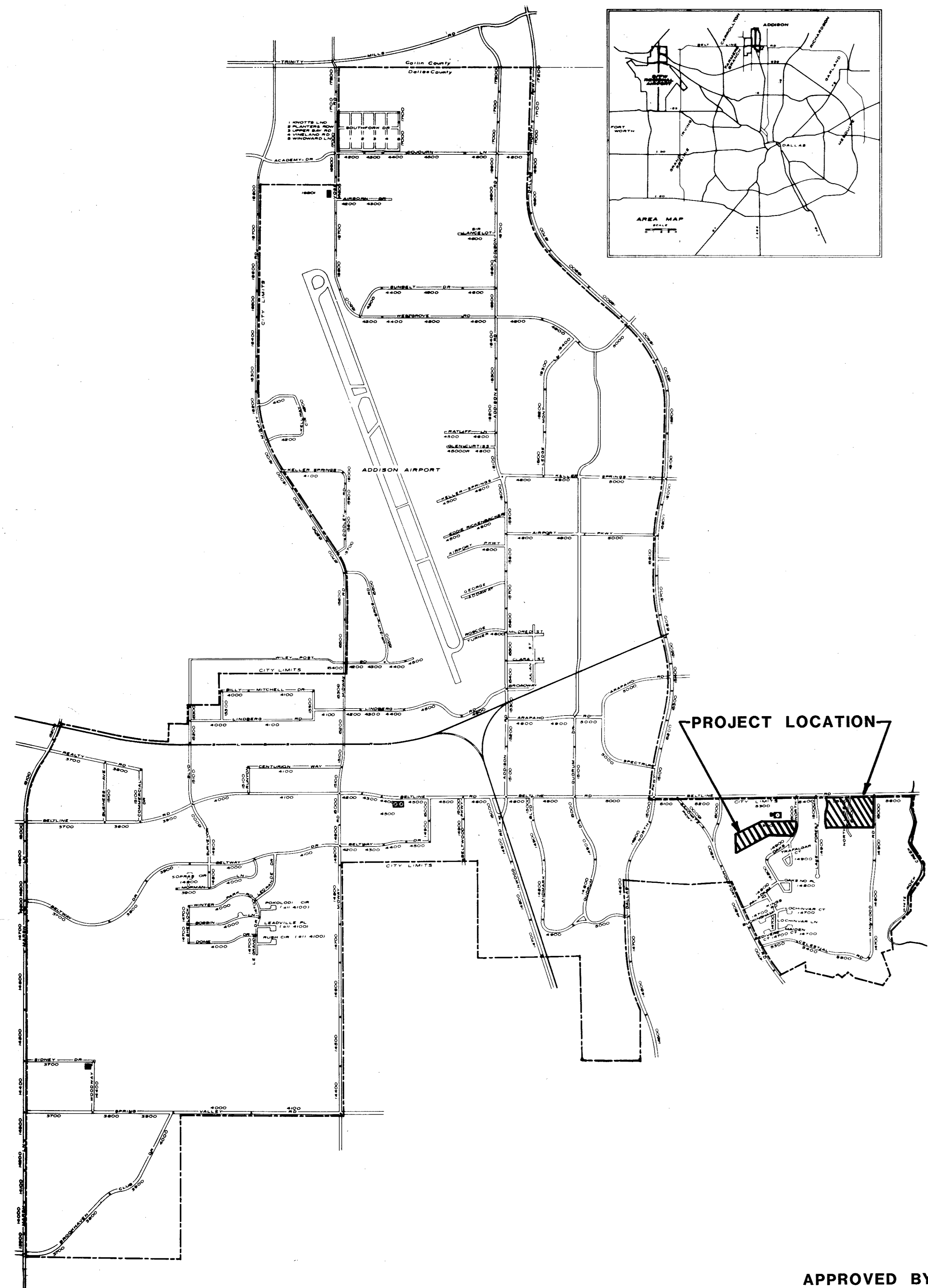
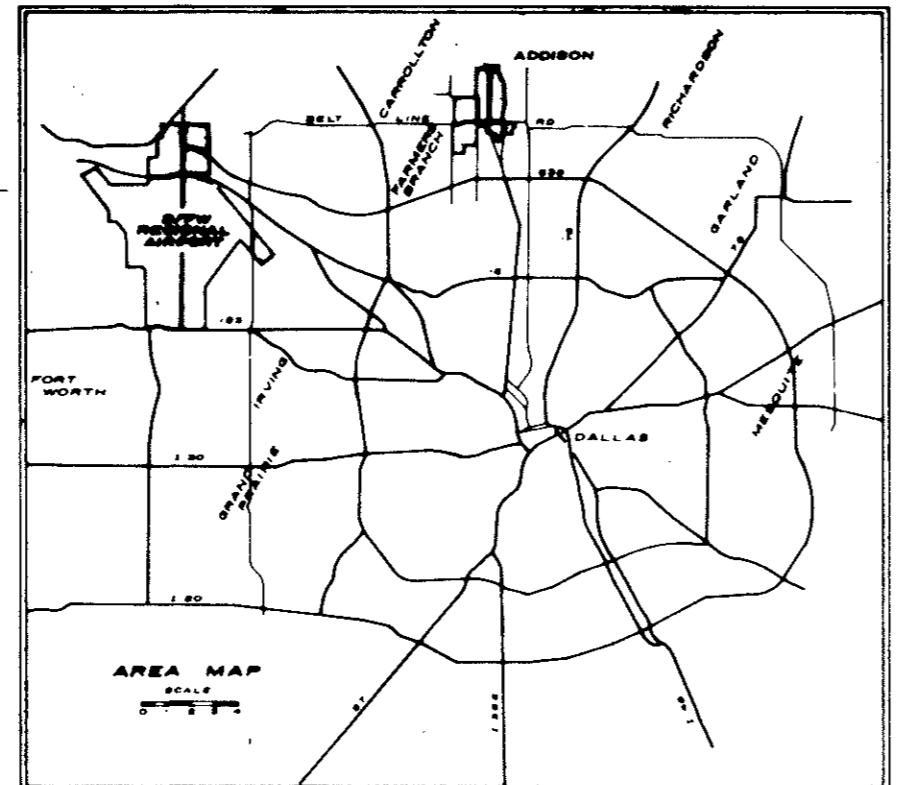


B11-5



TOWN OF
ADDISON
DALLAS COUNTY, TEXAS

CONSTRUCTION PLANS FOR

CREEK SYSTEM IMPROVEMENTS

MAYOR
LYNN SPRUILL

COUNCIL MEMBERS :
JIM DUFFY
RICHARD RODER
JOHN NOLAN
JOHN BRANCH
RILEY REINKER

CITY MANAGER :
RON WHITEHEAD

DIRECTOR OF LANDSCAPE :
SLADE STRICKLAND

SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	VICINITY MAP
3.	EXISTING AND PROPOSED HYDRAULIC PROFILE
4.	WINWOOD PARK - EAST POND LAYOUT
5.	WINWOOD PARK - WEST POND LAYOUT
6.	WINWOOD PARK - PUMP STATION PLAN AND SECTION
7.	WINWOOD PARK - PUMP STATION DETAILS
8.	WINWOOD PARK - MISCELLANEOUS DETAILS
9.	CROSS SECTIONS - WINWOOD PARK EAST
10.	CROSS SECTIONS - WINWOOD PARK WEST
11.	CROSS SECTIONS - WINWOOD PARK WEST
12.	FINANCE CENTER - POND LAYOUT
13.	TOWN HALL - POND LAYOUT
14.	FINANCE CENTER - PUMP STATION SITE PLAN
15.	FINANCE CENTER - PUMP STATION PLAN/SECTION
16.	FINANCE CENTER - PUMP STATION DETAILS
17.	FINANCE CENTER - MISCELLANEOUS DETAILS
18.	CROSS SECTIONS - FINANCE CENTER
19.	CROSS SECTIONS - FINANCE CENTER
20.	CROSS SECTIONS - TOWN HALL
21.	TOWN HALL/OAKS NORTH DRIVE - DITCH IMPROVEMENTS
22.	ELECTRICAL - TYP. PUMP STATION
23.	ELECTRICAL - SCHEMATICS & DETAILS

INDEX TO DRAWINGS

APPROVED BY: _____ DATE: _____
D. LYNN SPRUILL, MAYOR

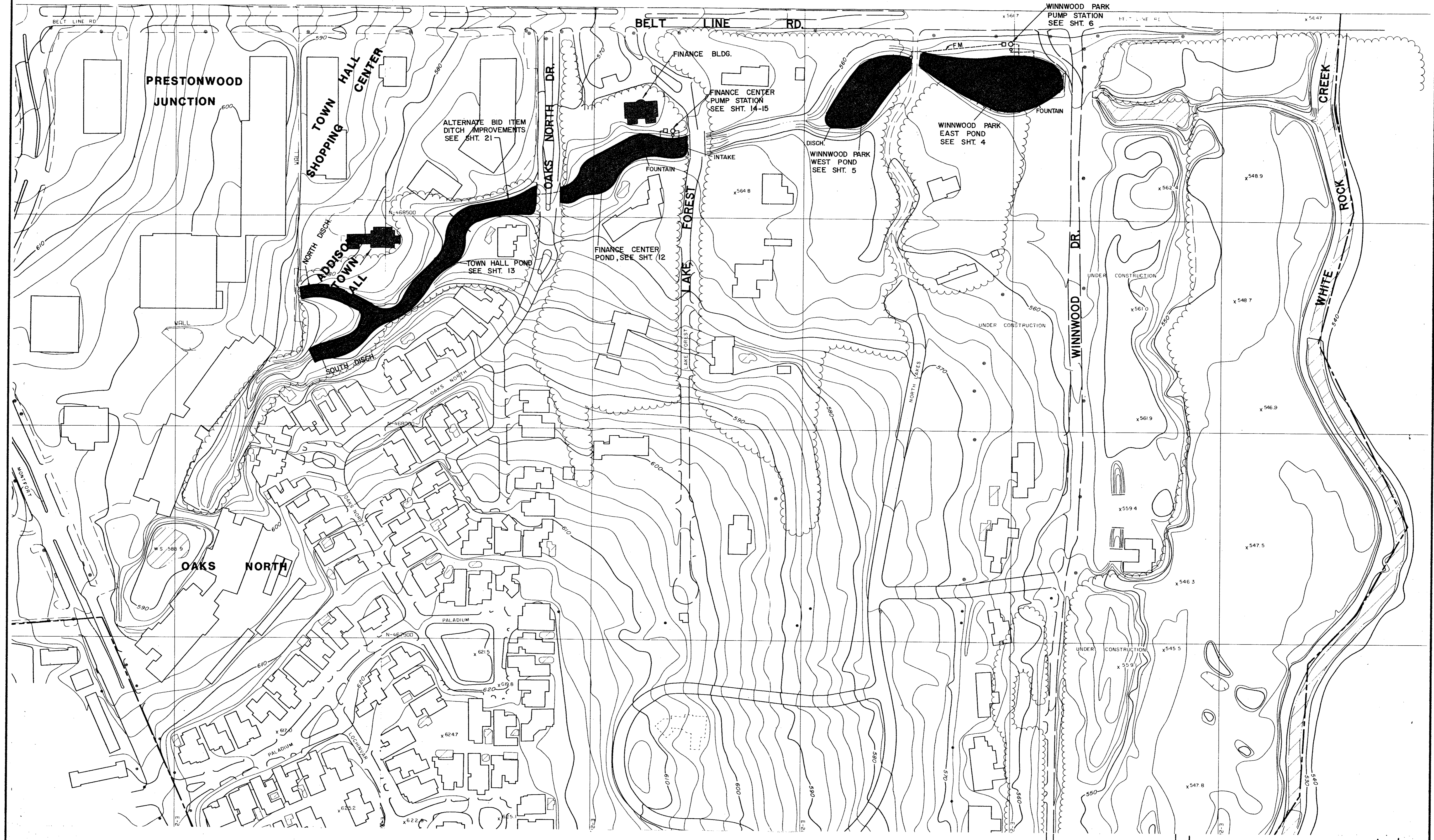
GINN, INC.
Consulting Engineers Dallas, Texas

B11-5



Randall C. Hill
1-20-89

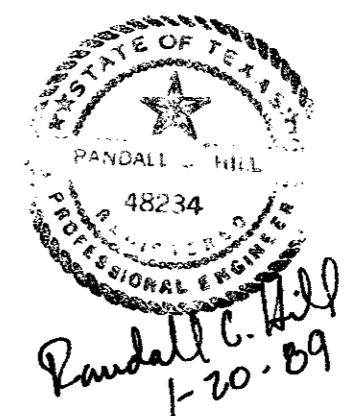
TOWN HALL
CREEK SYSTEM IMPROVEMENTS FULL



B.M. "□" on Eastmost SE corner parking area at SW corner of Town Hall
ELEV. = 580.77 (MSL)

B.M. "□" on W. curb Oaks North - 6' south of end of bridge
ELEV. = 567.64 (MSL)

B.M. "□" Cut On Edge Of Concrete Porch Of Church At 5555 Celestial.
Elev. = 577.95 (M.S.L.)

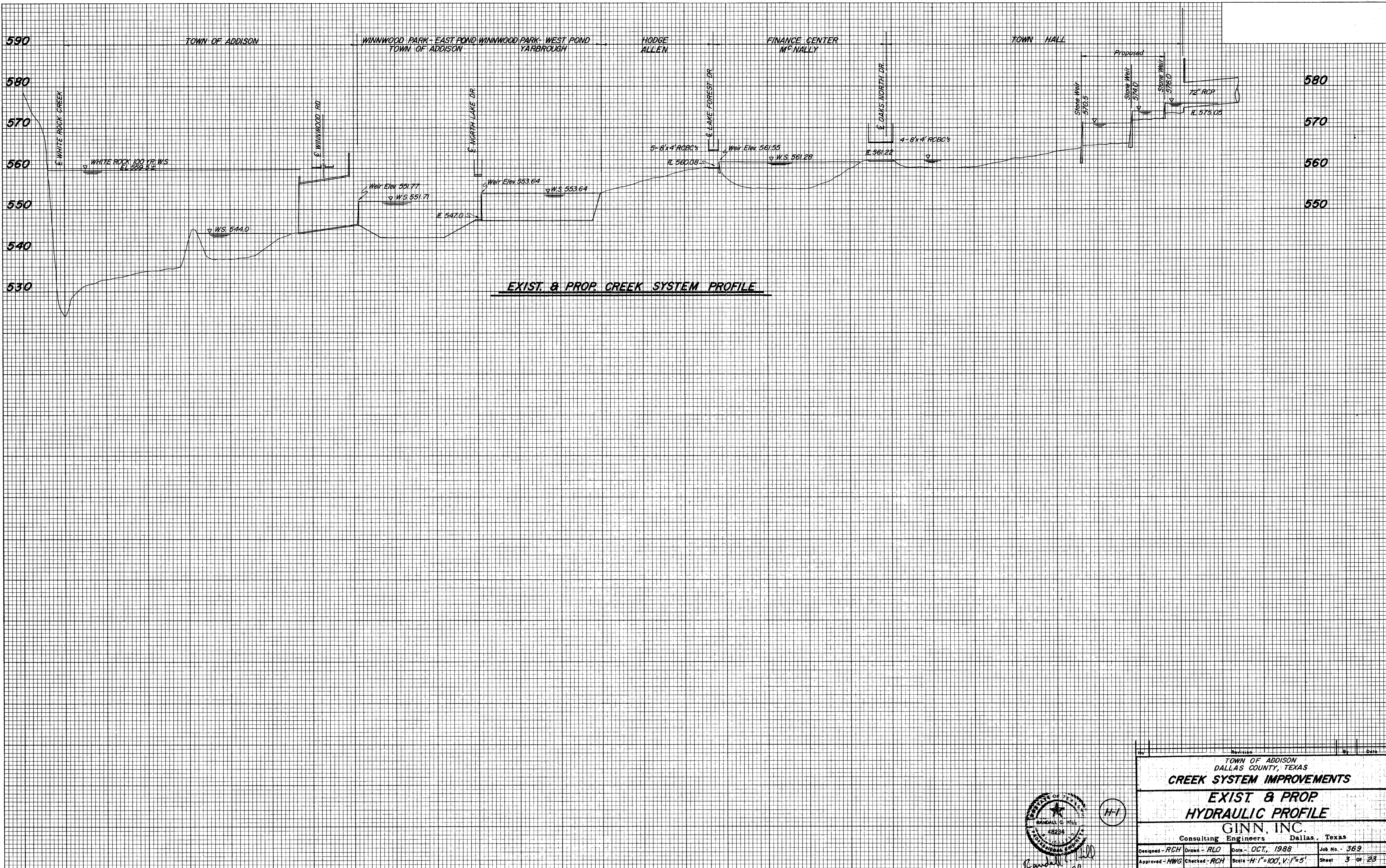


Randall C. Hill
1-20-89

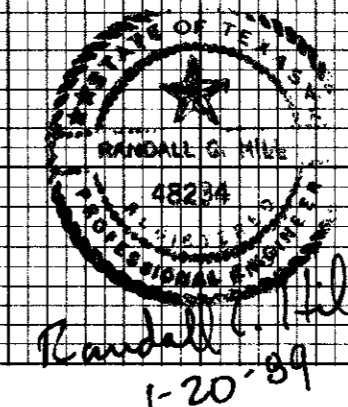
No.	Revision	By	Date
	TOWN OF ADDISON DALLAS COUNTY, TEXAS CREEK SYSTEM IMPROVEMENTS		
VICINITY MAP			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - AFG	Drawn - CL	Date - DEC 1988	Job No. - 369
Approved - HWG	Checked - RCH	Scale - 1"=100'	Sheet 2 OF 23

FINAL SURVEY DATE
 SURVEYED BY
 PLOTTED BY
 NOTE BOOK NO.
 TEMPLATE AREAS CHECKED

ORIGINAL SURVEY DATE
 SURVEYED BY
 PLOTTED BY
 NOTE BOOK NO.
 TEMPLATE AREAS CHECKED

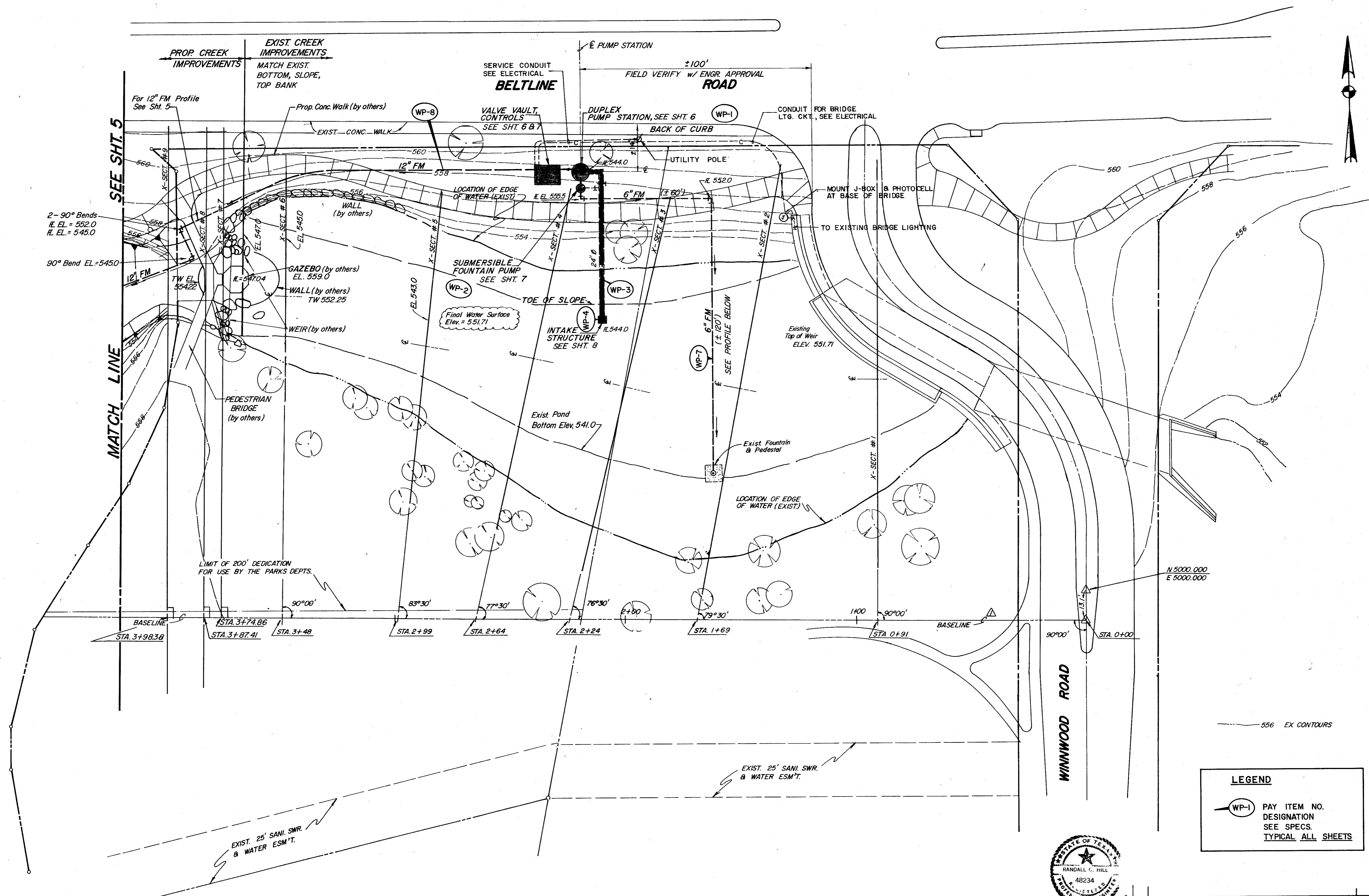


EXIST. & PROP. CREEK SYSTEM PROFILE



H-1

No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS			
CREEK SYSTEM IMPROVEMENTS			
EXIST & PROP HYDRAULIC PROFILE			
GINN, INC.			
Consulting Engineers Dallas, Texas			
Designed - RCH	Drawn - RLO	Date - OCT, 1988	Job No. - 369
Approved - HWG	Checked - RCH	Scale - H:1"=100', V:1"=5'	Sheet 3 of 23



MATCH LINE SEE SHT. 5

2-90° Bends
R.L. EL. = 552.0
L.L. EL. = 545.0

90° Bend EL. = 545.0

PROP. CREEK IMPROVEMENTS
MATCH EXIST. BOTTOM, SLOPE, TOP BANK

EXIST. CREEK IMPROVEMENTS
SERVICE CONDUIT SEE ELECTRICAL
BELTLINE
FIELD VERIFY W/ ENGR. APPROVAL
ROAD

VALVE VAULT, CONTROLS SEE SHT. 6 & 7
DUPLEX PUMP STATION, SEE SHT. 6
CONDUIT FOR BRIDGE LTG. CKT., SEE ELECTRICAL

LOCATION OF EDGE OF WATER (EXIST.)

SUBMERSIBLE FOUNTAIN PUMP SEE SHT. 7

INTAKE STRUCTURE SEE SHT. 8

Exist. Pond Bottom Elev. 541.0

LOCATION OF EDGE OF WATER (EXIST.)

LIMIT OF 200' DEDICATION FOR USE BY THE PARKS DEPTS.

BASELINE STA. 3+98.38

STA. 3+74.86
STA. 3+87.41

STA. 3+48

STA. 2+99

STA. 2+64

STA. 2+24

STA. 1+69

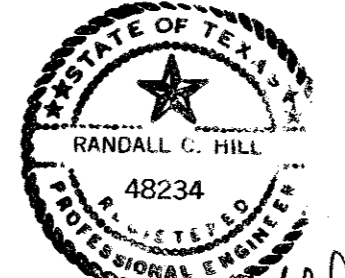
BASELINE STA. 0+91

STA. 0+00

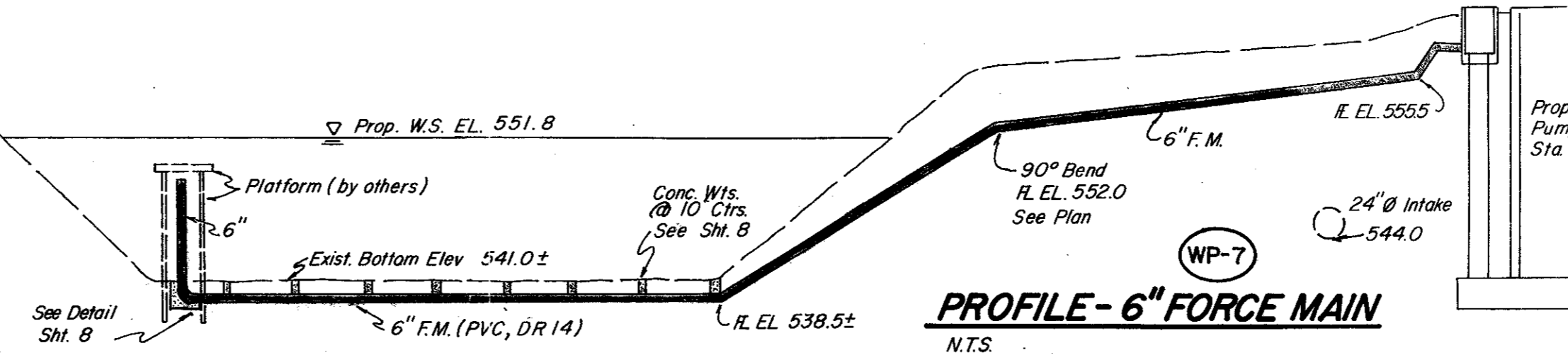
N 5000.000
E 5000.000

556 EX CONTOURS

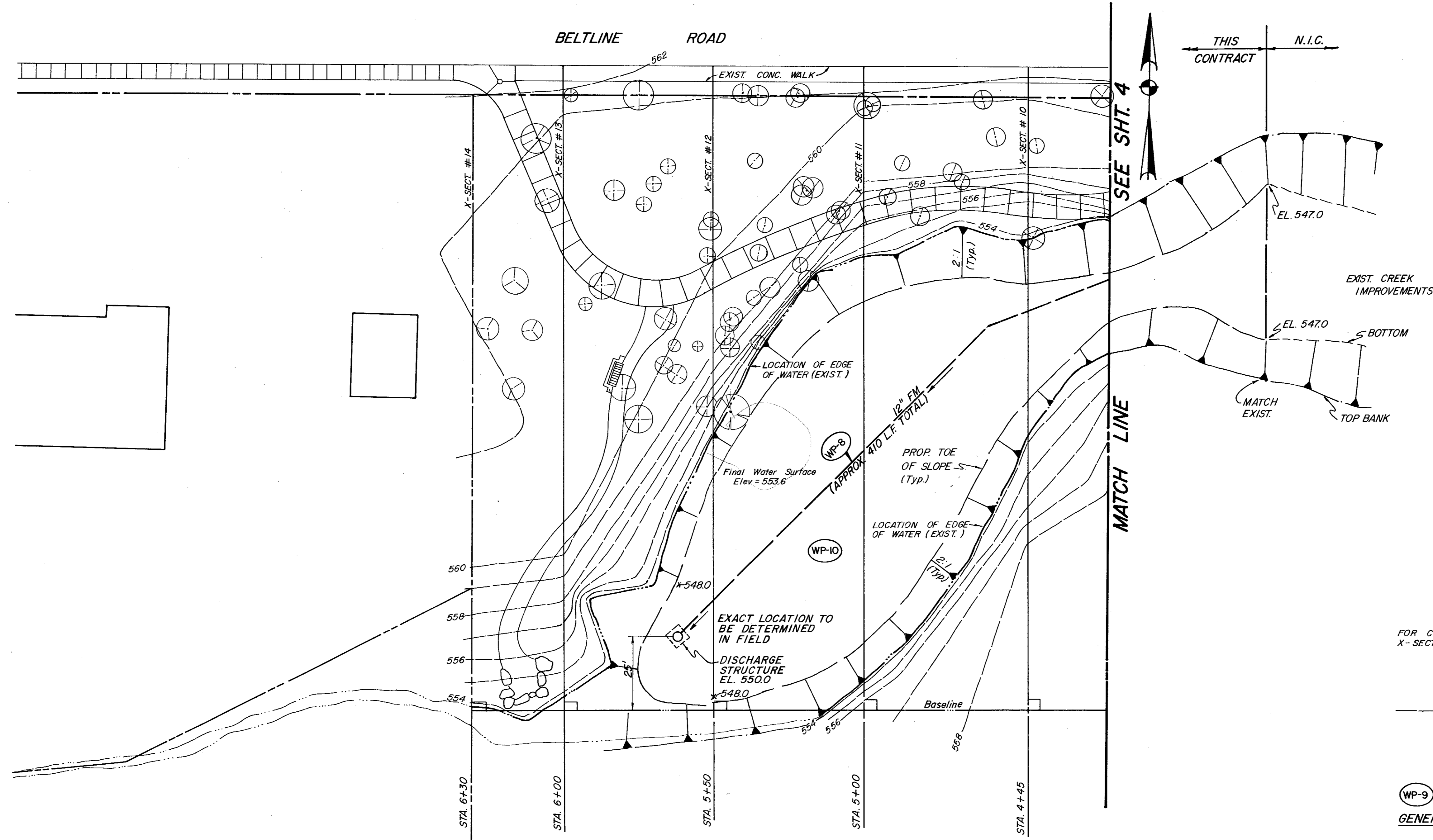
LEGEND
WP-1 PAY ITEM NO. DESIGNATION SEE SPECS. TYPICAL ALL SHEETS



Randall C. Hill
1-20-89



No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS CREEK SYSTEM IMPROVEMENTS			
WINNWOOD PARK EAST POND LAYOUT			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - RCH	Drawn - RLO	Date - OCT., 1988	Job No. - 369
Approved - HWG	Checked - RCH	Scale - 1" = 20'	Sheet 4 of 23



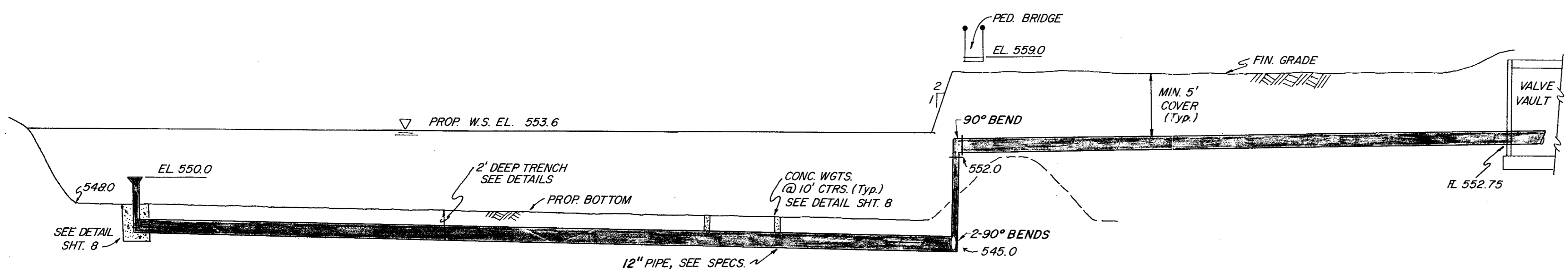
FOR CREEK IMPROVEMENTS USE X-SECTIONS SEE SHT 9,10,8,11

556 EX. CONTOURS

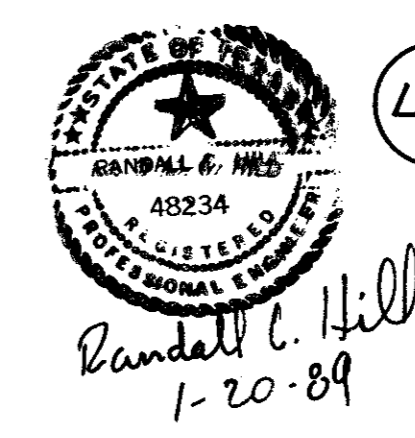
WP-9

GENERAL NOTES: (REFERENCE CROSS-SECTION SHEETS)

1. Contractor Shall Drain Pond; Allow Adequate Time To Have Engineer Perform Cross Sections To Verify Existing Conditions Of Creek Bottom; And Then Contractor Shall Perform All Necessary Excavation Required To Dimensions, Lines And Grades As Shown On Plans.
2. Final Cross Sections Will Be Performed By Engineer For Use In Determining Final Quantities Of Excavation For Payment.
3. Quantities Provided For Bidding Purposes Were Estimates Only. Actual Quantities Will Be Basis For Payment.

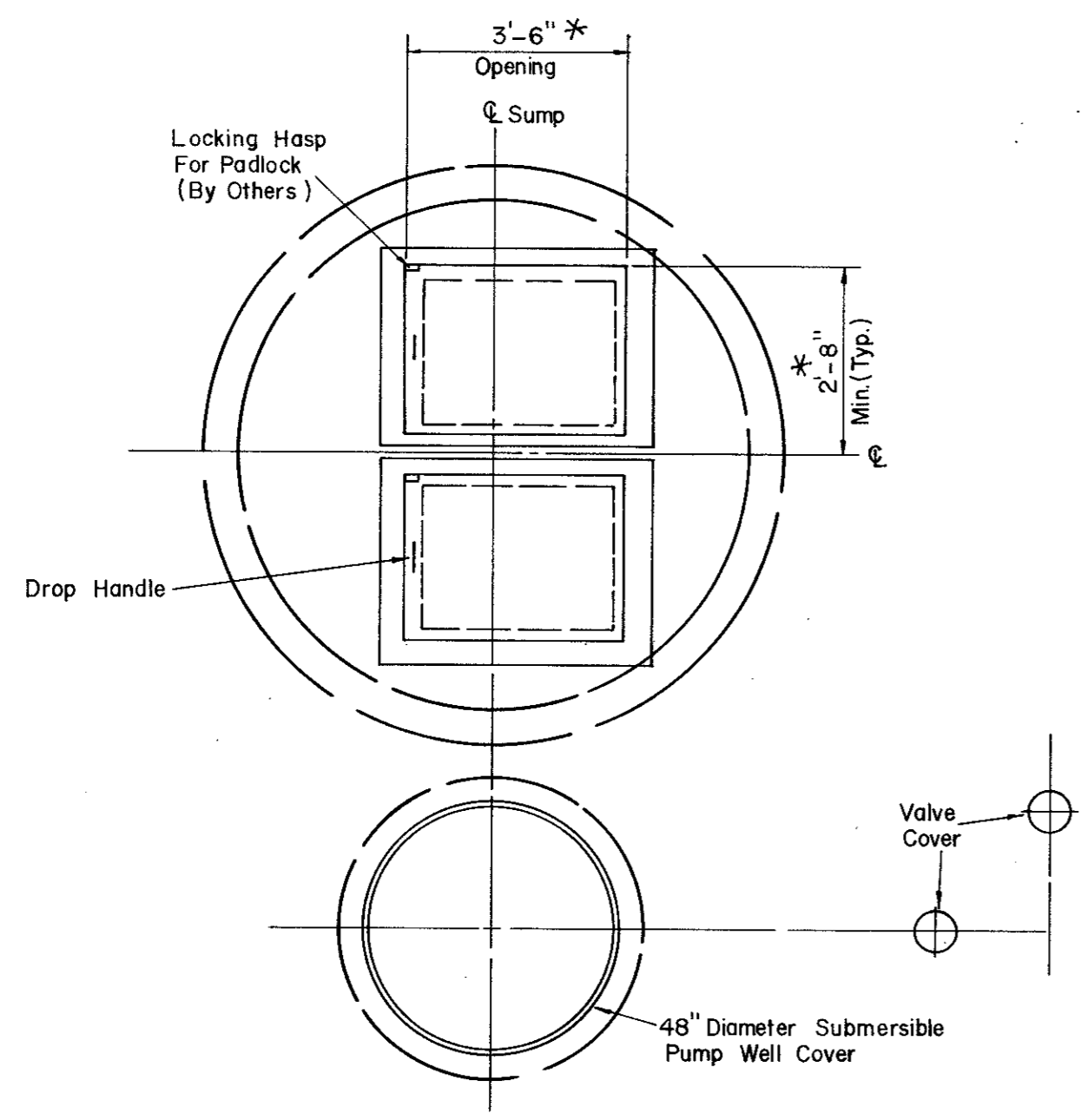


12" DIAM. (DISCHARGE) FORCE MAIN WP-8
N.T.S.

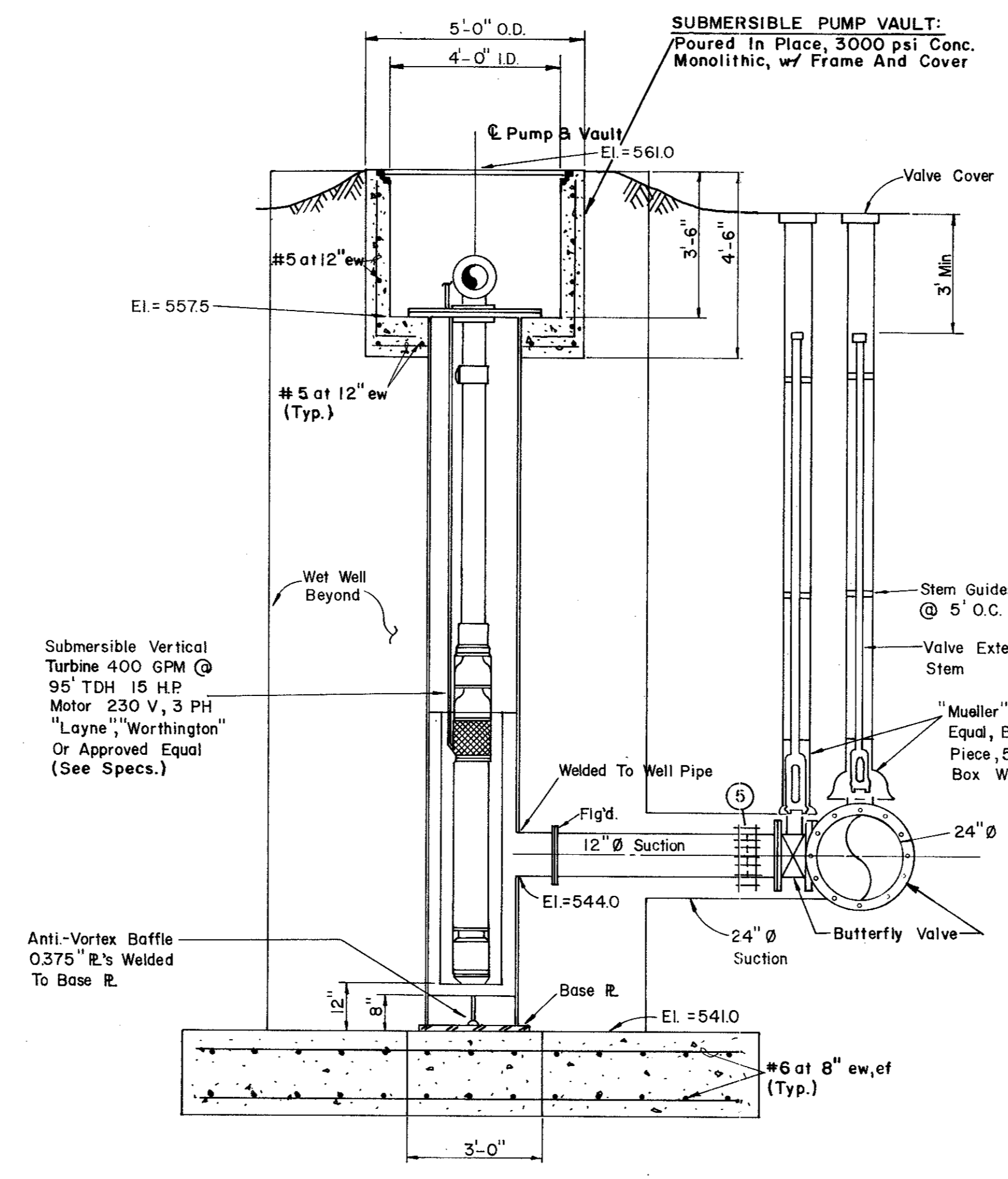


L-2

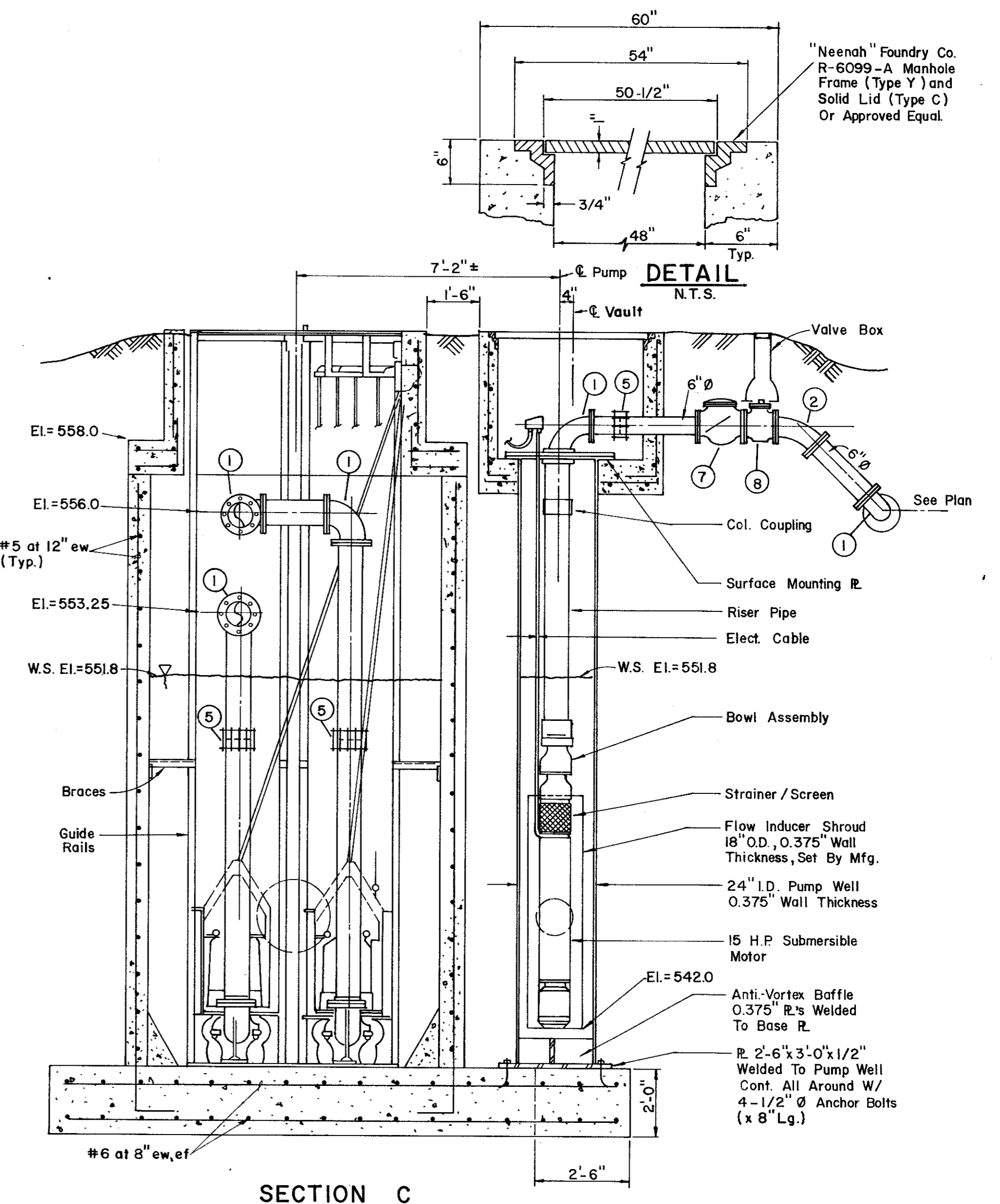
No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS CREEK SYSTEM IMPROVEMENTS WINNWOOD PARK WEST POND LAYOUT GINN, INC. Consulting Engineers Dallas, Texas			
Designed - RCH	Drawn - RLO	Date - OCT, 1988	Job No. - 369
Approved - HWG	Checked - RCH	Scale - 1" = 20'	Sheet 5 of 23



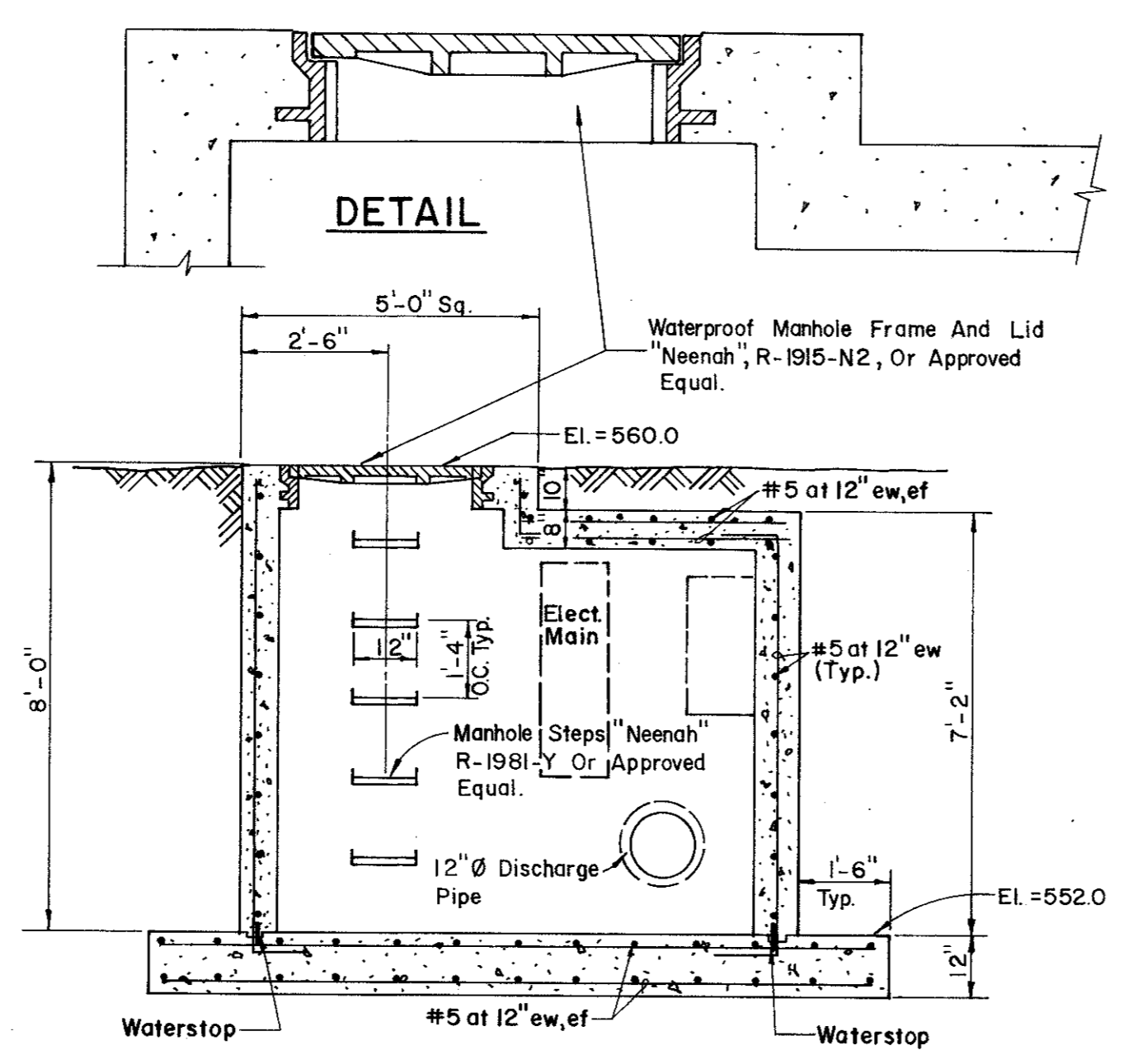
TOP VIEW
3/8"=1'-0"
* DEPENDENT UPON PUMP MFG.



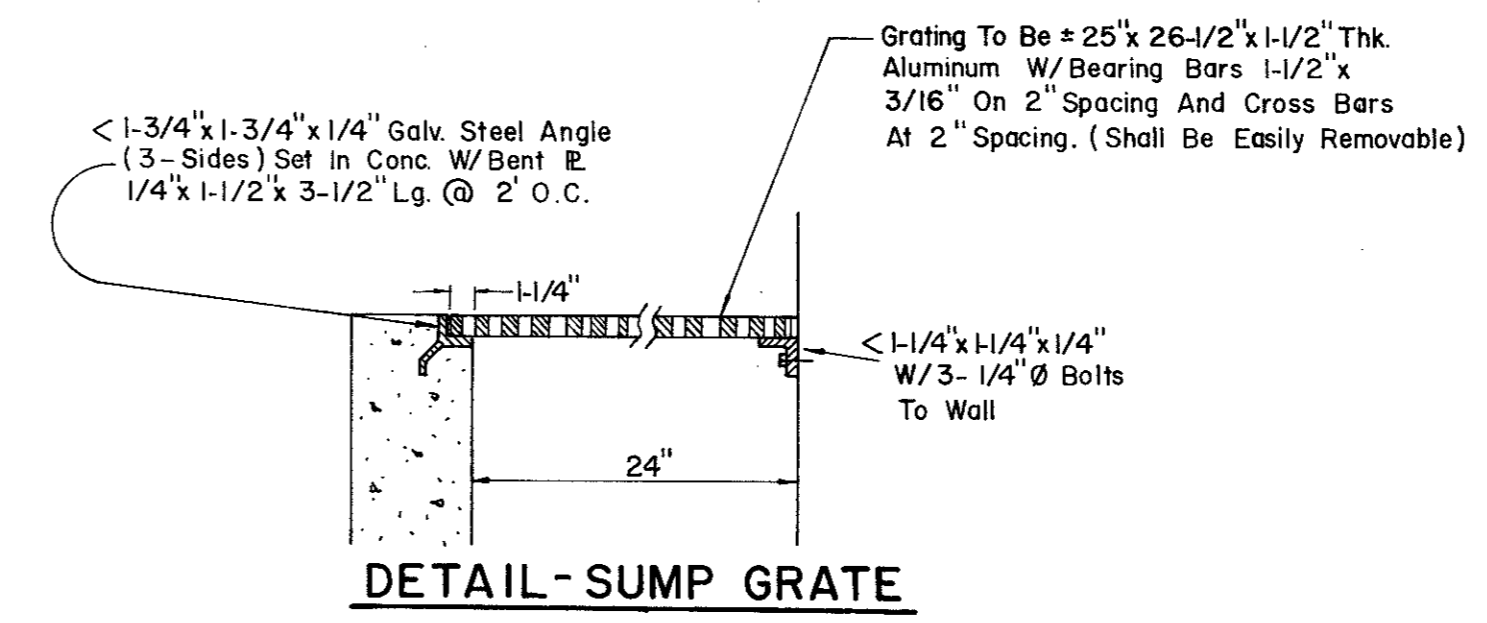
SECTION B



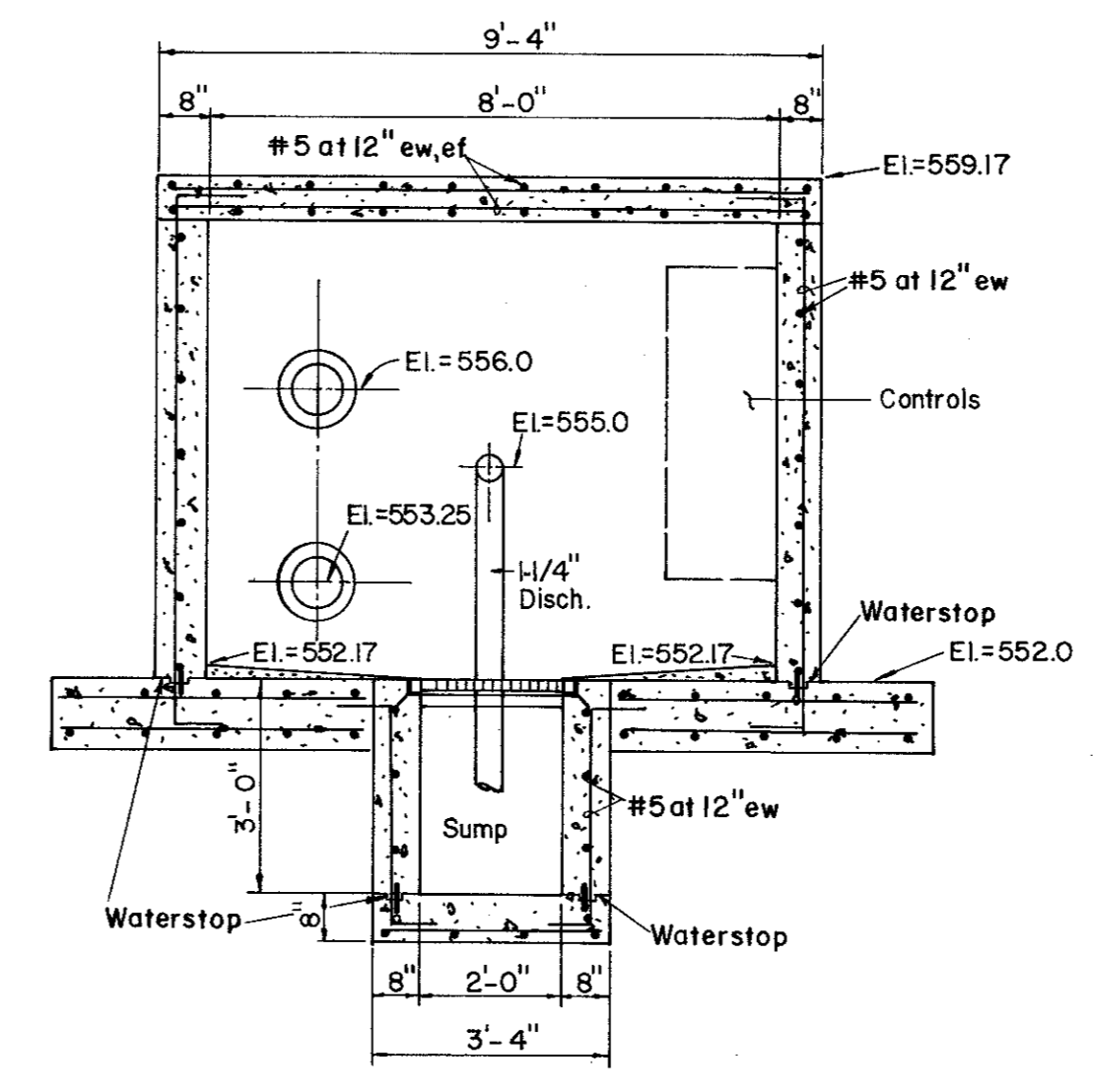
SECTION C



SECTION D

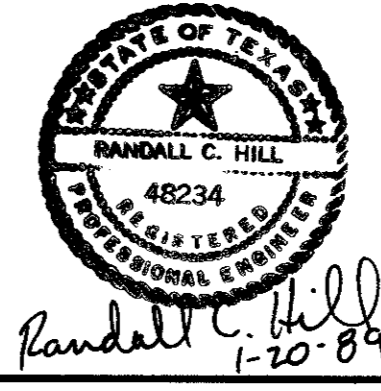


DETAIL-SUMP GRATE

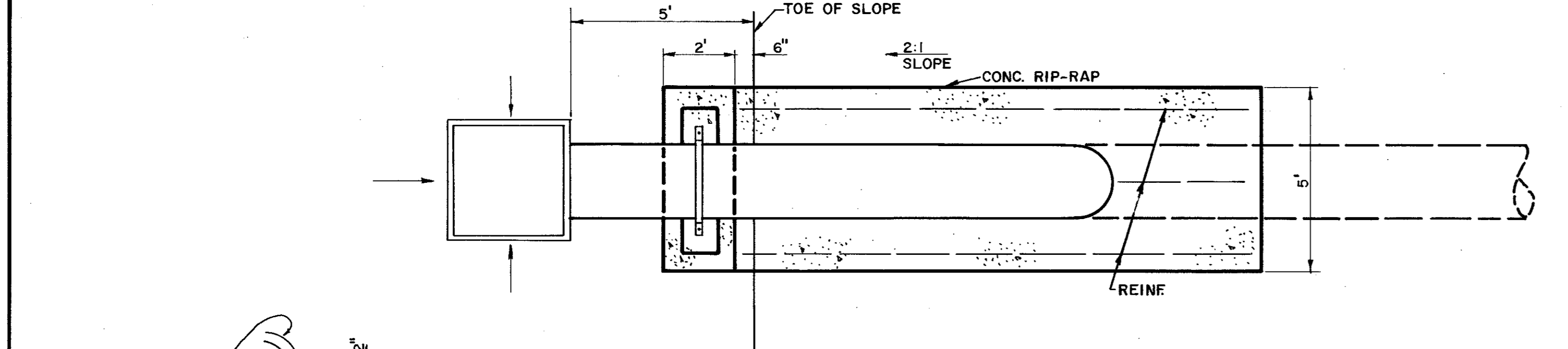


SECTION E

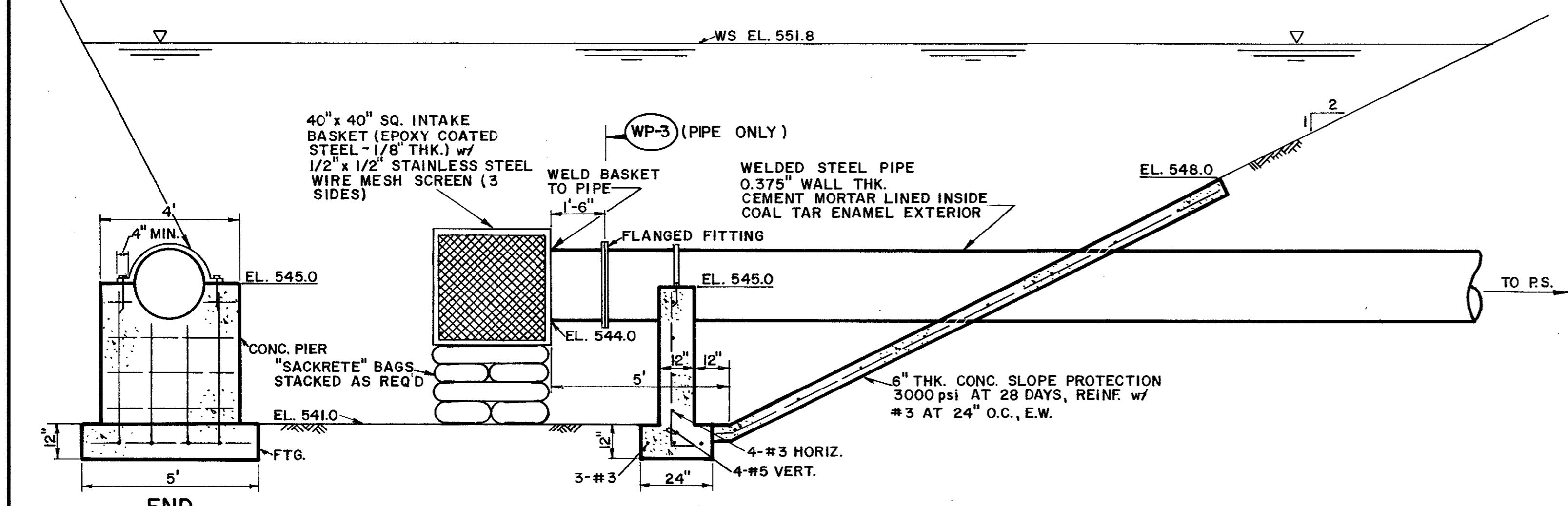
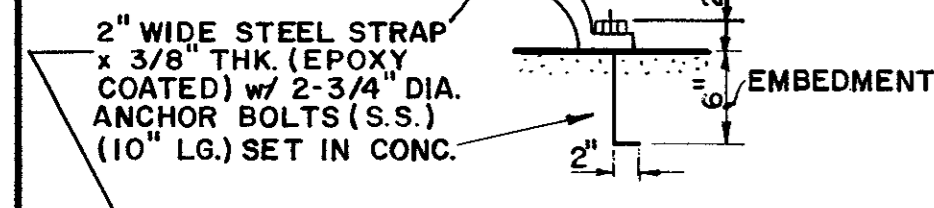
- LEGEND**
- ① 90° Bend (Flanged)
 - ② 45° Bend (Flanged)
 - ③ 8" x 8" x 8" Lateral (Flanged)
 - ④ 12" x 8" Reducer (Flanged)
 - ⑤ "Dresser" Type Coupling (Size Indicated)
 - ⑥ Cast In Place Wall Pipe (Fig. & P.E.) "Clow" F-1426, Or Approved Equal
 - ⑦ Check Valve (See Specs)
 - ⑧ Plug Valve (See Specs)
 - ⑨ 1-1/4" Check Valve
 - ⑩ 1-1/4" Gate Valve



No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS CREEK SYSTEM IMPROVEMENTS WINNWOOD PARK PUMP STATION DETAILS GINN, INC. Consulting Engineers Dallas, Texas			
Designed - AGF	Drawn - CL	Date - DEC. 1988	Job No. - 369
Approved - HWG	Checked - RCH	Scale - 3/8" = 1'-0"	Sheet 7 of 23



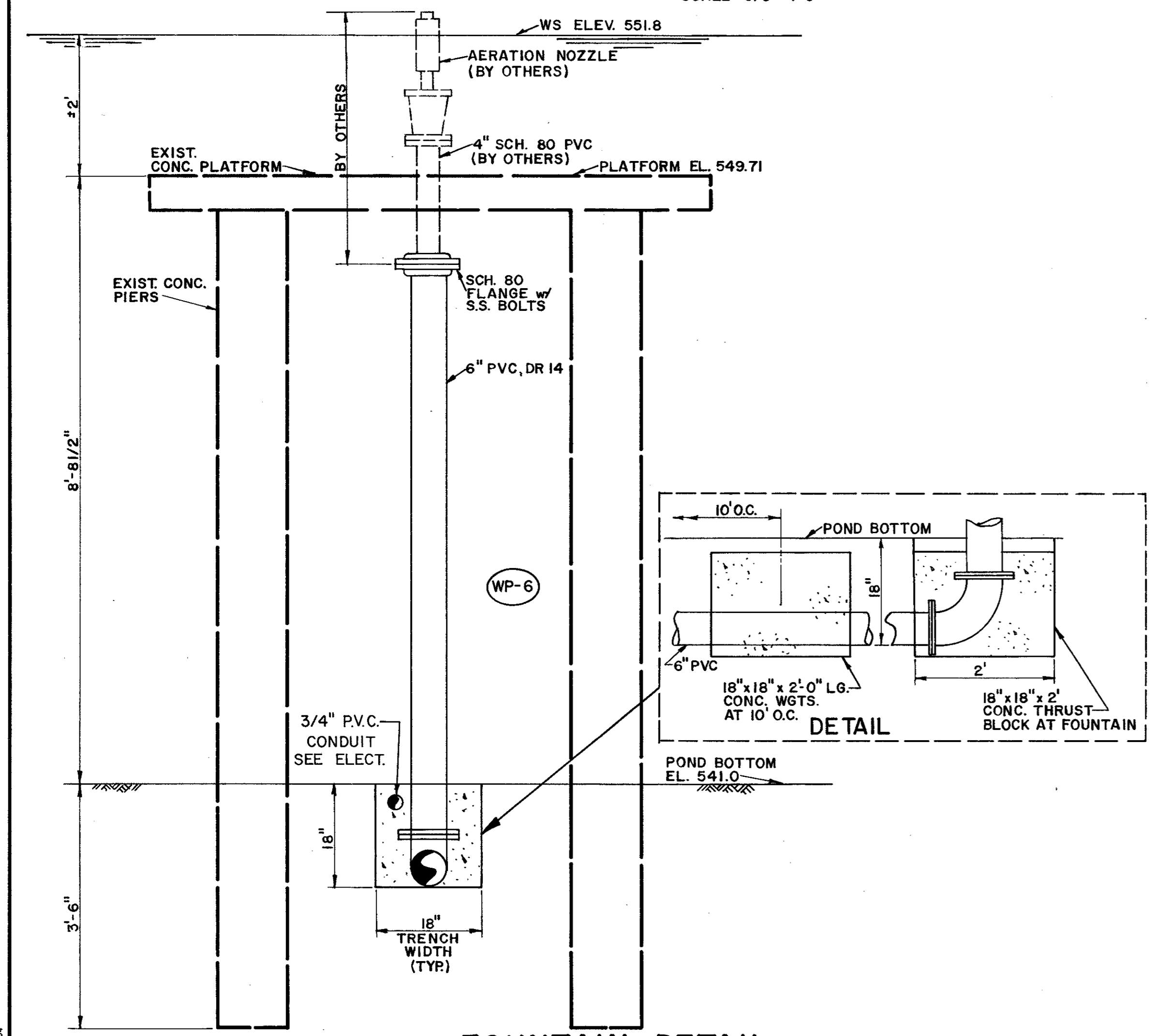
PLAN



ELEVATION

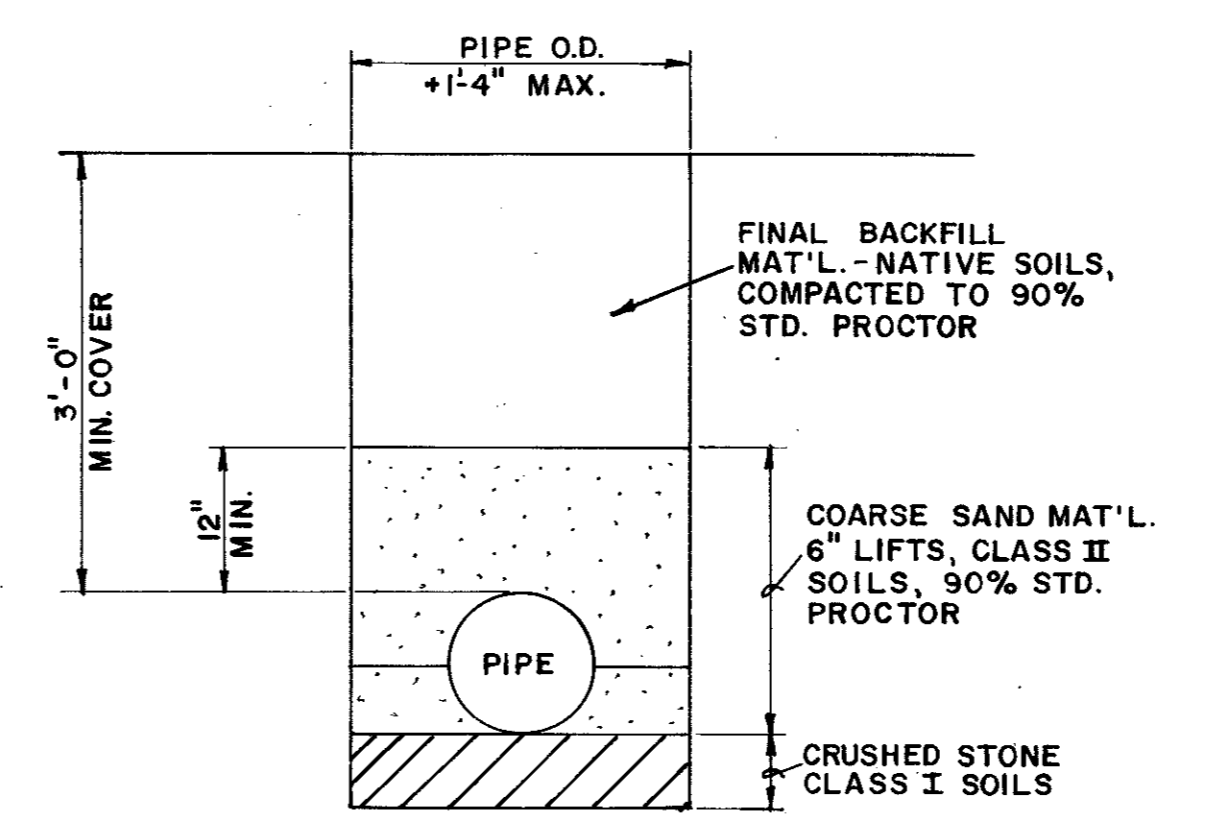
INTAKE STRUCTURE DETAILS

SCALE: 3/8"=1'-0"



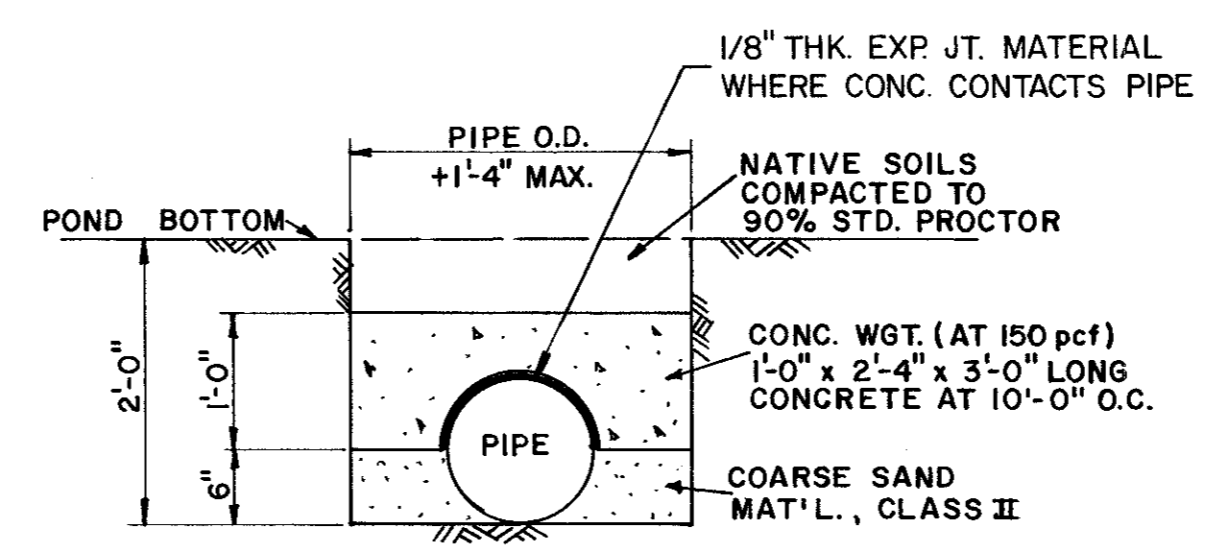
FOUNTAIN DETAIL

SCALE: 3/4"=1'-0"



TYP. EMBEDMENT/BACKFILL DETAILS (FOR PIPE NOT SUBMERGED)

SCALE: 3/4"=1'-0"

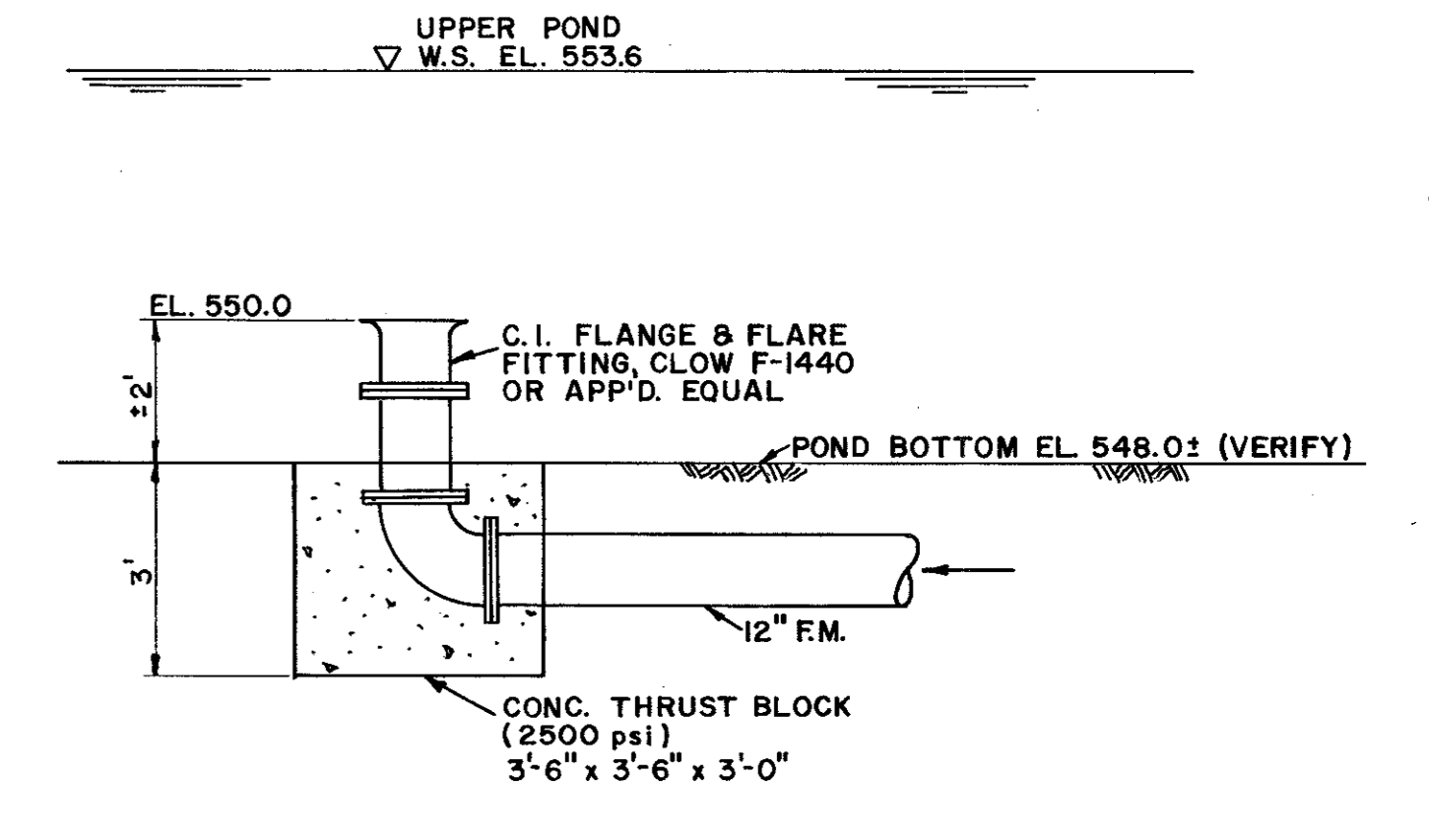


TYP. EMBEDMENT/BACKFILL DETAILS (FOR SUBMERGED PIPE)

SCALE: 3/4"=1'-0"

12" DIA. DISCHARGE PIPE DETAILS

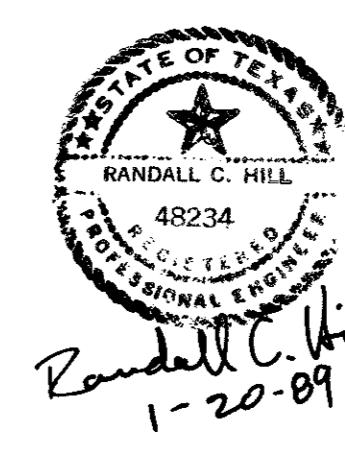
WP-8



DISCHARGE STRUCTURE

WP-8

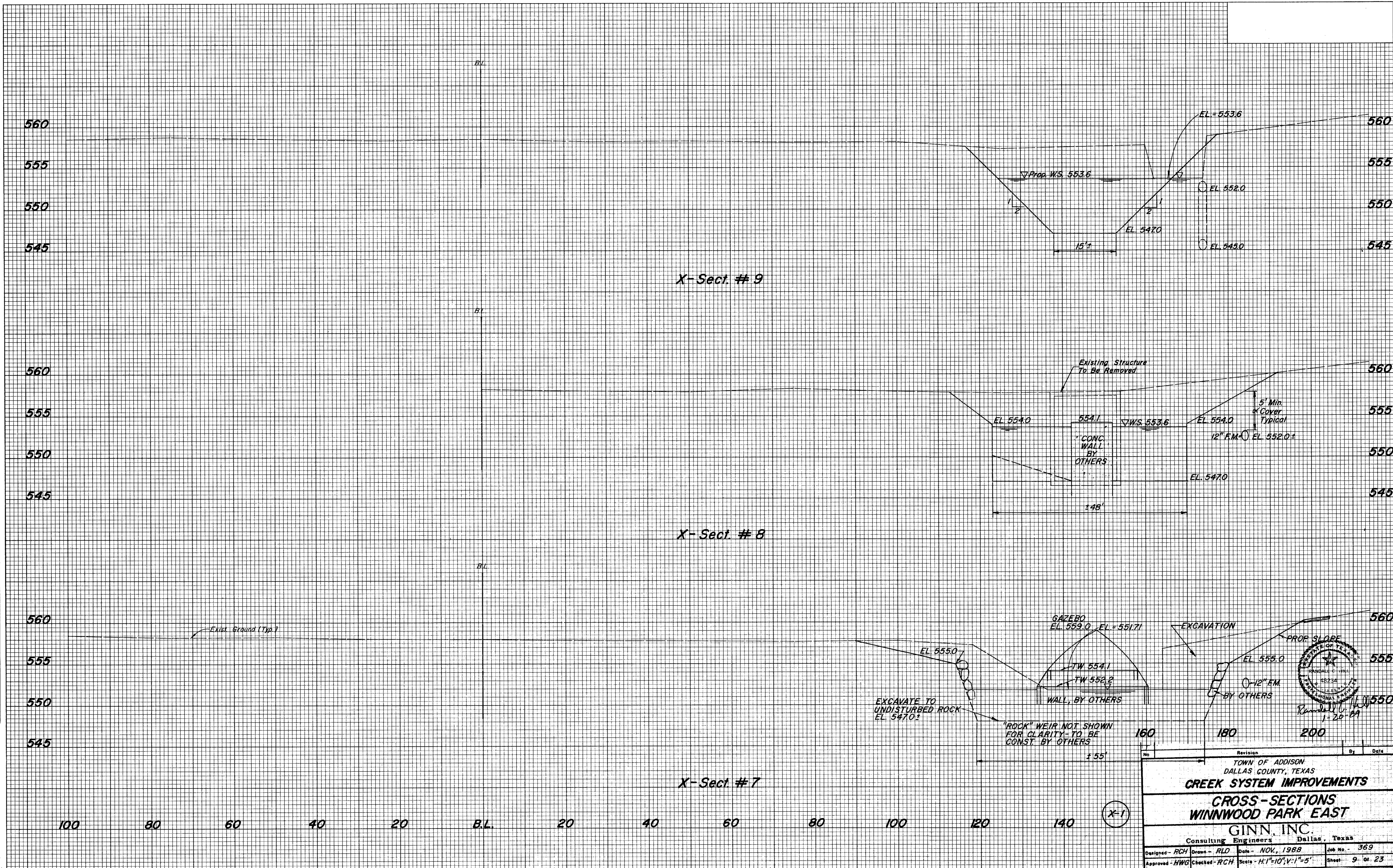
SCALE: 3/8"=1'-0"



No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS CREEK SYSTEM IMPROVEMENTS WINNWOOD PARK MISCELLANEOUS DETAILS GINN, INC. Consulting Engineers Dallas, Texas			
Designed - AGF	Drawn - DEM	Date - DEC. 1988	Job No. - 369
Approved - HWG	Checked - RCH	Scale - AS SHOWN	Sheet 8 of 23

FINAL SURVEY DATE
 SURVEYED PLOTTED
 NOTE BOOK AREAS
 NO. AREAS CHECKED

ORIGINAL SURVEY DATE
 SURVEYED PLOTTED
 NOTE BOOK AREAS
 NO. AREAS CHECKED



No.	Revision	By	Date
1			

TOWN OF ADDISON
 DALLAS COUNTY, TEXAS

CREEK SYSTEM IMPROVEMENTS

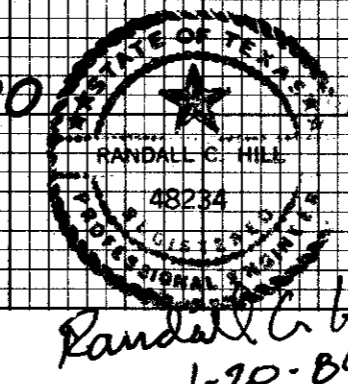
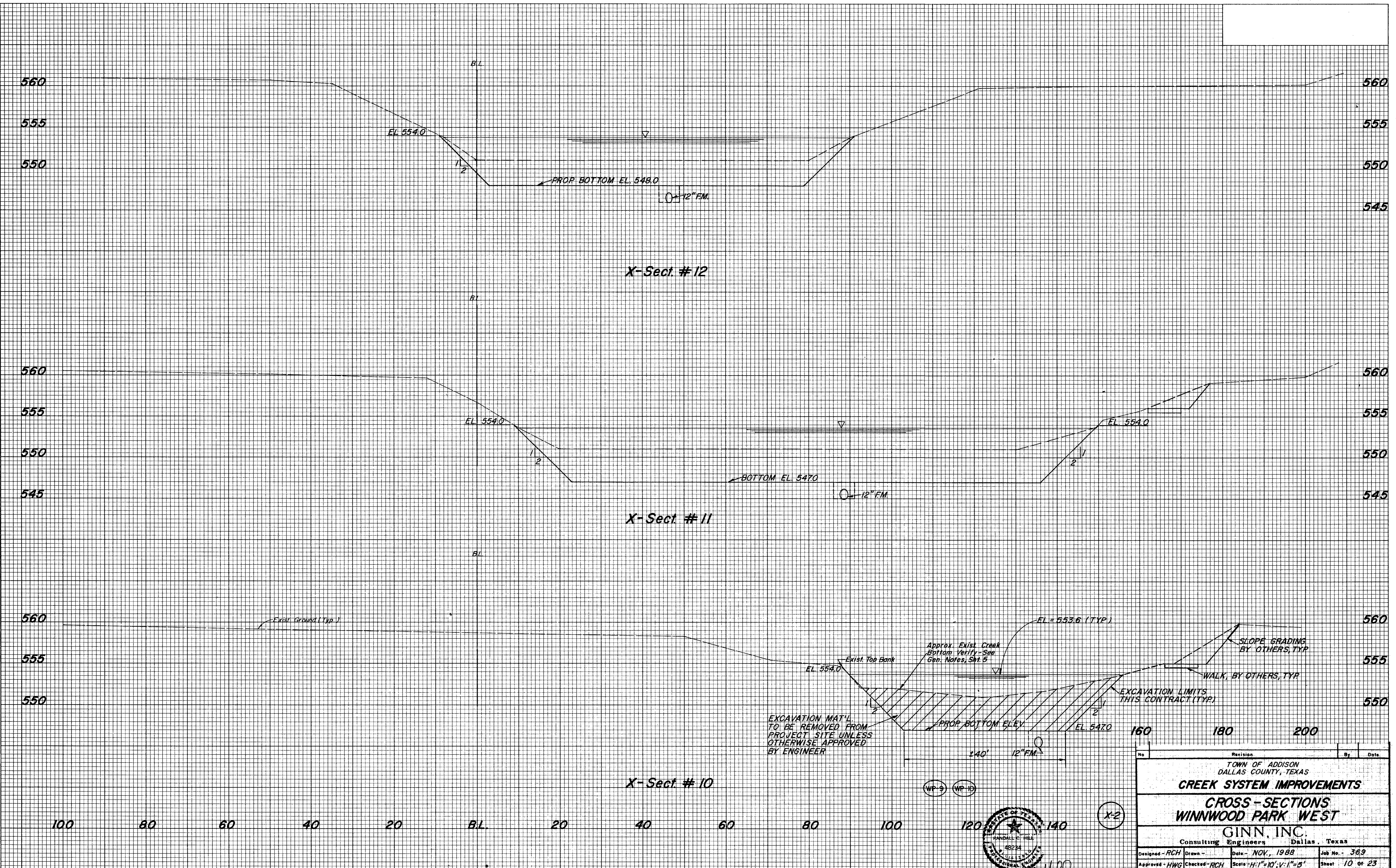
CROSS-SECTIONS
WINNWOOD PARK EAST

GINN, INC.
 Consulting Engineers Dallas, Texas

Designed - RCH Drawn - RLD Date - NOV., 1988 Job No. - 369
 Approved - HWG Checked - RCH Scale - H:1"=10'; V:1"=5' Sheet - 9 of 23

FINAL SURVEY
 SURVEYED BY: _____
 PLOTTED BY: _____
 NOTE BOOK NO. _____
 AREA CHECKED: _____

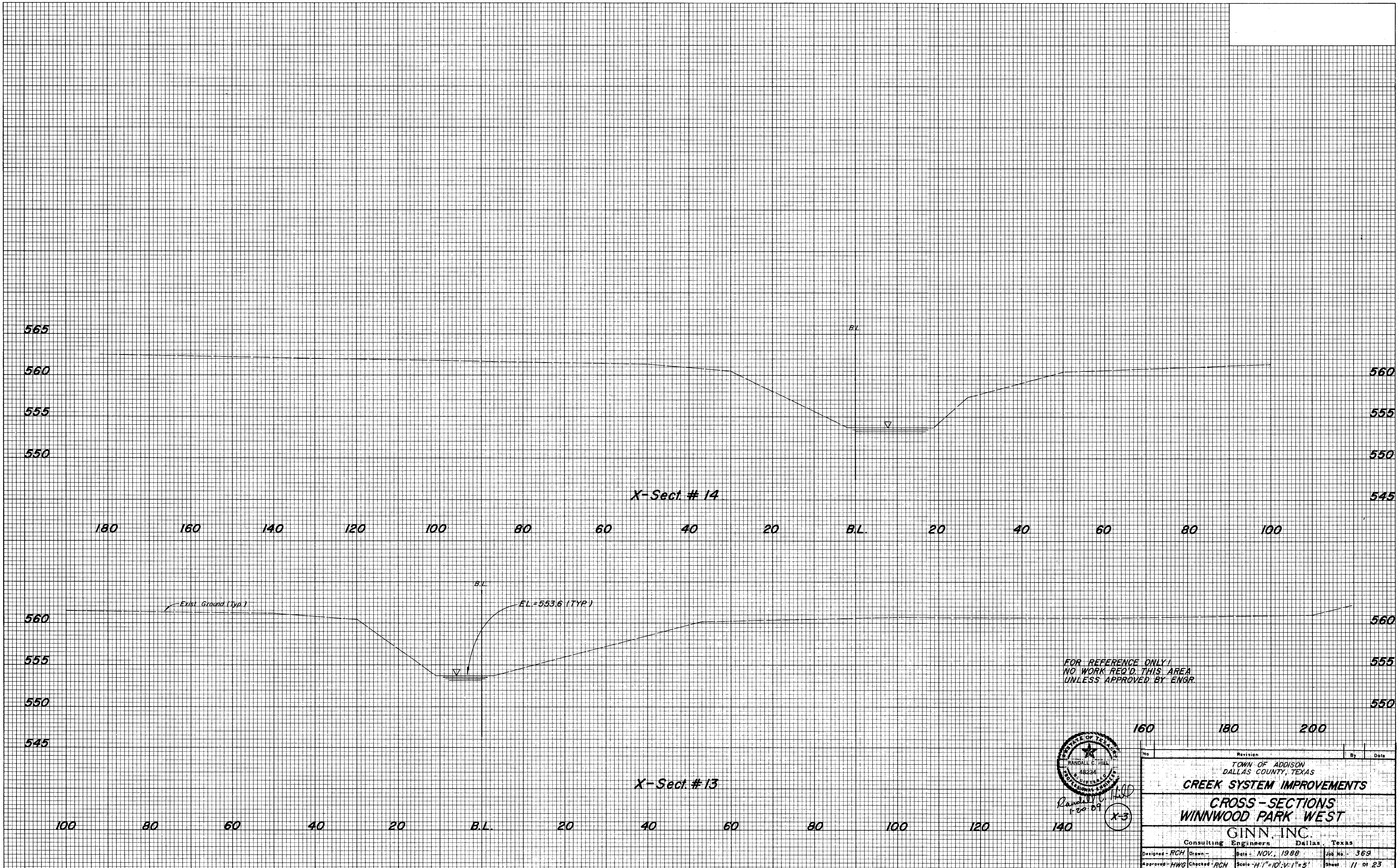
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 SURVEYED BY: _____
 PLOTTED BY: _____
 NOTE BOOK NO. _____
 AREA CHECKED: _____



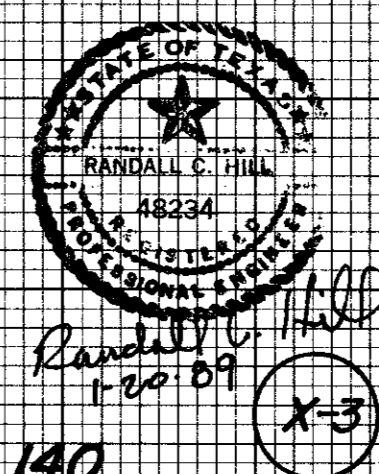
No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS			
CREEK SYSTEM IMPROVEMENTS			
CROSS-SECTIONS WINNWOOD PARK WEST			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - RCH	Drawn -	Date - NOV., 1988	Job No. - 369
Approved - HWG	Checked - RCH	Scale - H:1"=10'; V:1"=5'	Sheet 10 of 23

FINAL SURVEY BY DATE
 SURVEYED PLOTTED
 NOTE BOOK TEMPLATE
 NO. AREAS CHECKED

ORIGINAL SURVEY BY DATE
 SURVEYED PLOTTED
 NOTE BOOK TEMPLATE
 NO. AREAS CHECKED

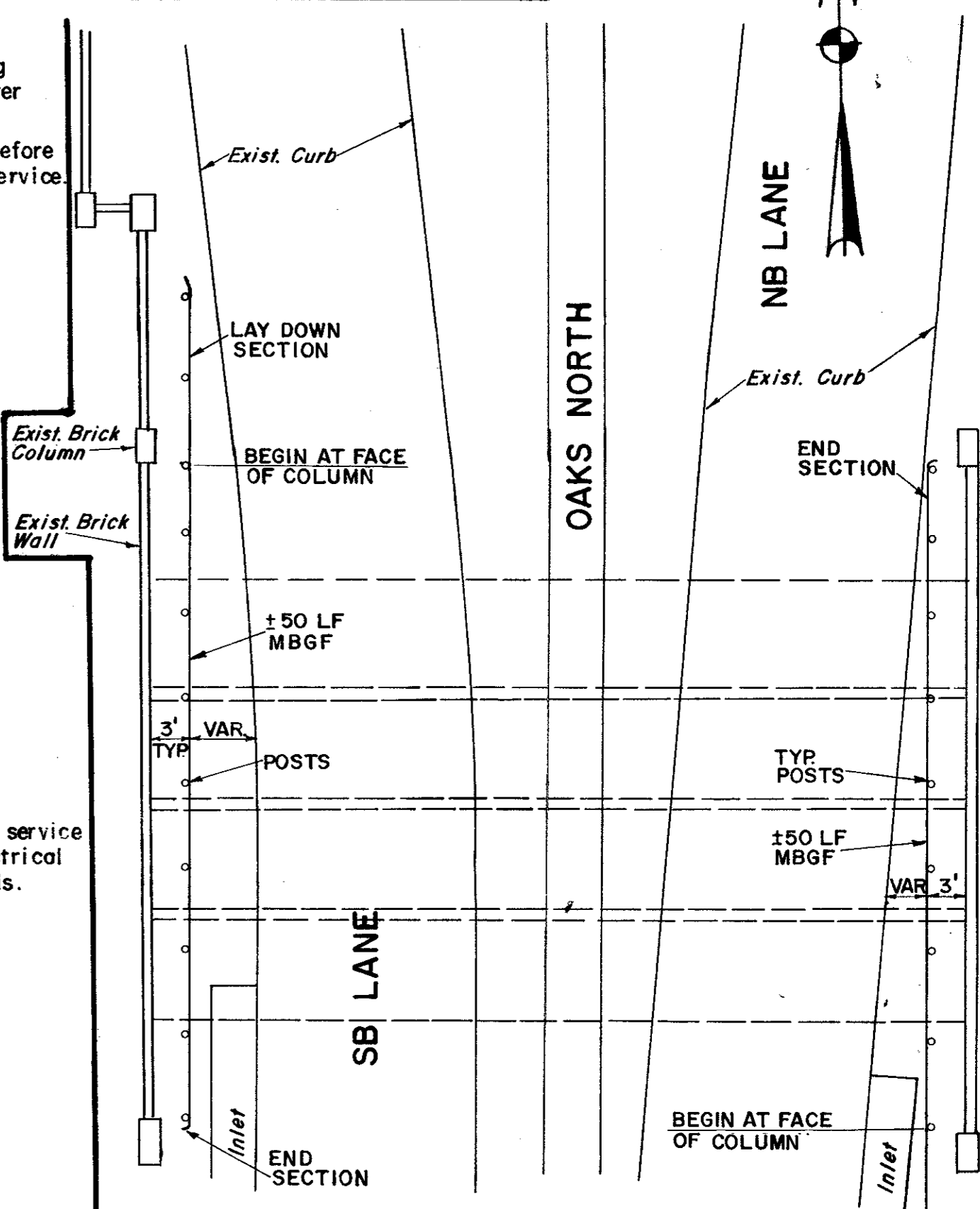
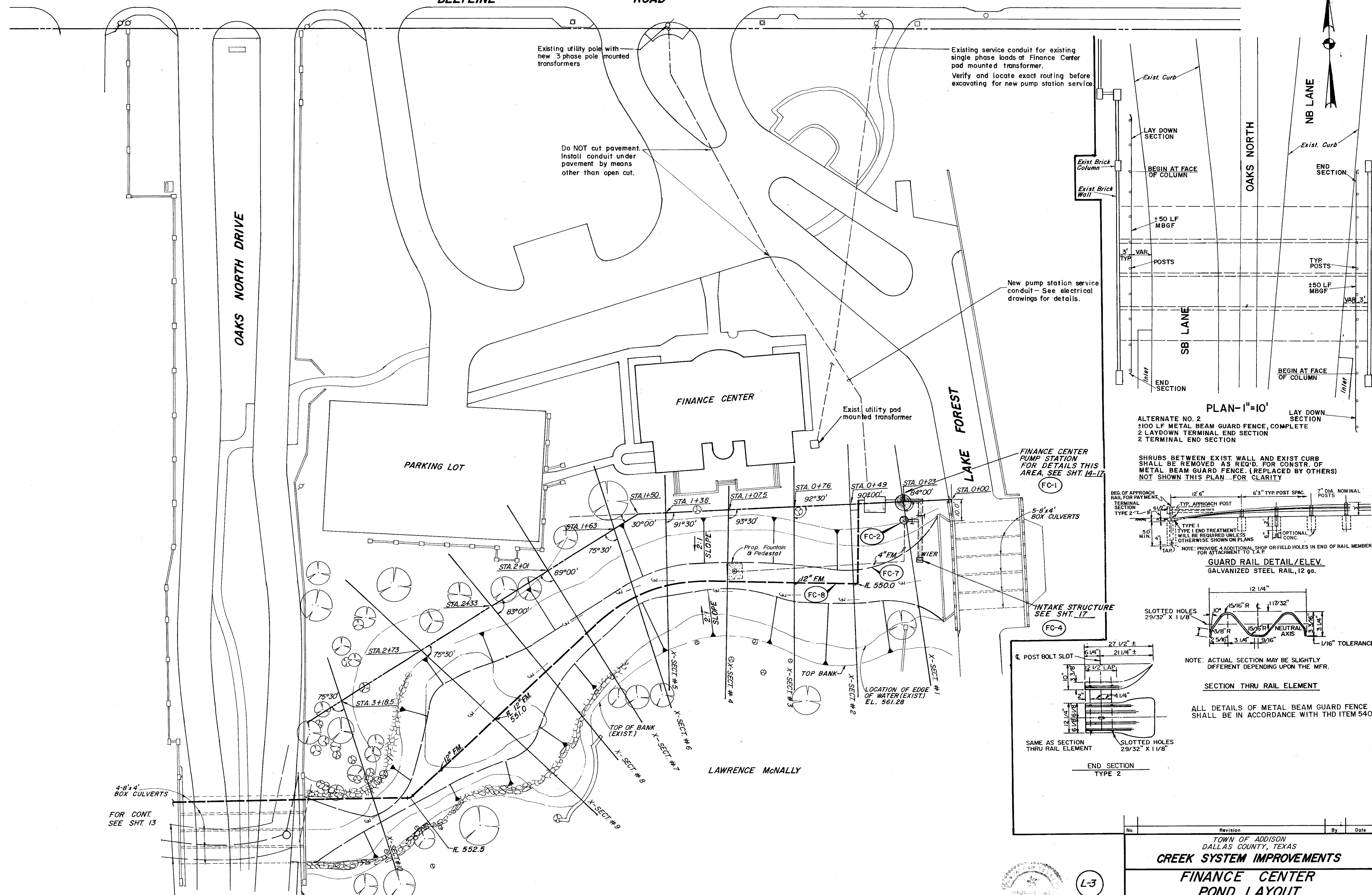


FOR REFERENCE ONLY!
 NO WORK REQ'D. THIS AREA
 UNLESS APPROVED BY ENGR.



Revision		By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS			
CREEK SYSTEM IMPROVEMENTS			
CROSS-SECTIONS WINNWOOD PARK WEST			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - RCH	Drawn -	Date - NOV., 1988	Job No. - 369
Approved - HWG	Checked - RCH	Scale - H-1"=10'; V-1"=5'	Sheet 11 of 23

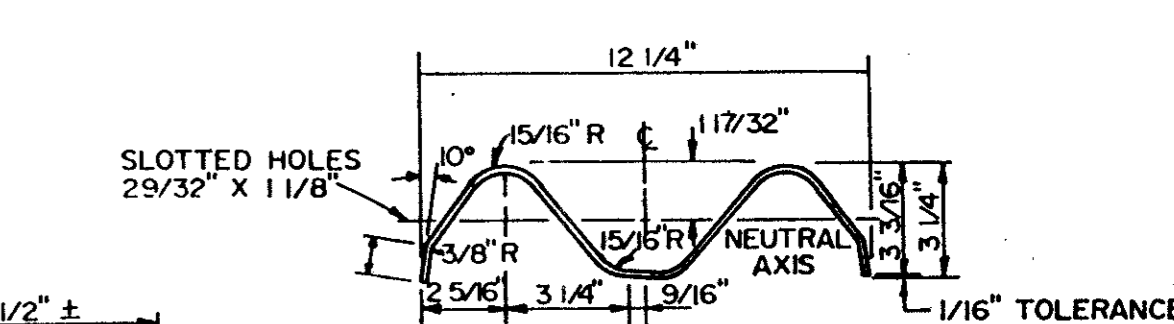
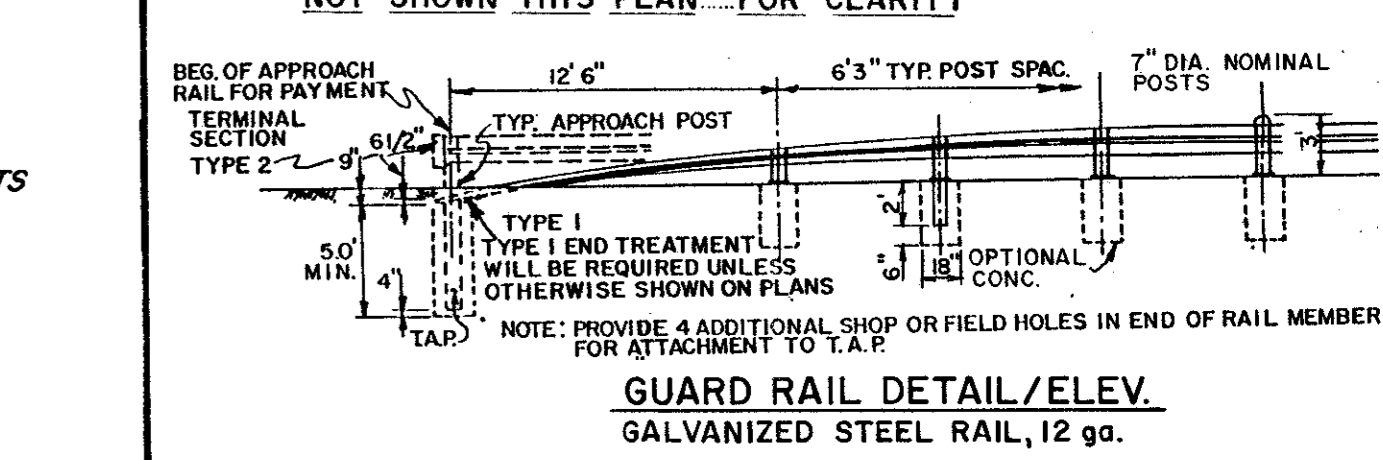
BELTLINE ROAD



PLAN-1"=10'

ALTERNATE NO. 2
 ±100 LF METAL BEAM GUARD FENCE, COMPLETE
 2 LAYDOWN TERMINAL END SECTION
 2 TERMINAL END SECTION

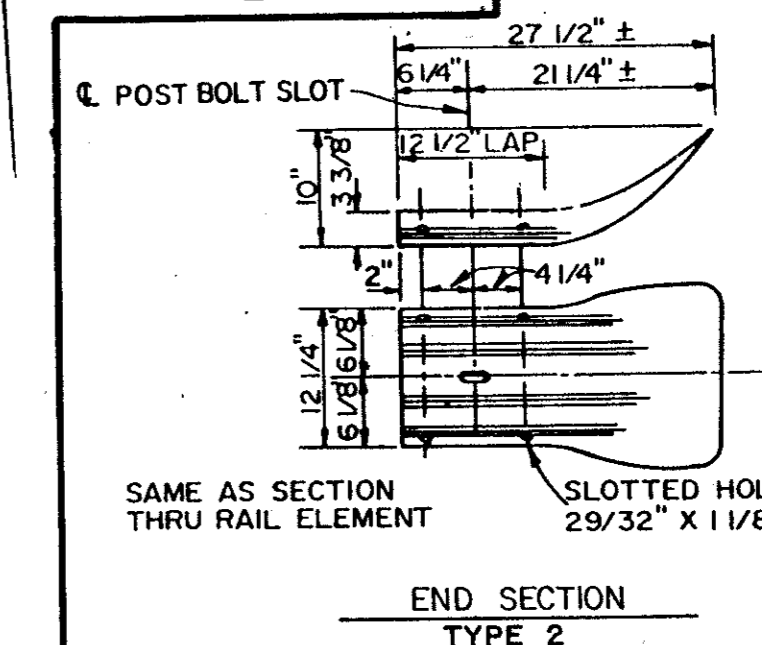
SHRUBS BETWEEN EXIST. WALL AND EXIST CURB SHALL BE REMOVED AS REQ'D. FOR CONSTR. OF METAL BEAM GUARD FENCE. (REPLACED BY OTHERS) NOT SHOWN THIS PLAN FOR CLARITY



NOTE: ACTUAL SECTION MAY BE SLIGHTLY DIFFERENT DEPENDING UPON THE MFR.

SECTION THRU RAIL ELEMENT

ALL DETAILS OF METAL BEAM GUARD FENCE SHALL BE IN ACCORDANCE WITH THD ITEM 540



SAME AS SECTION THRU RAIL ELEMENT

END SECTION TYPE 2

LAWRENCE McNALLY

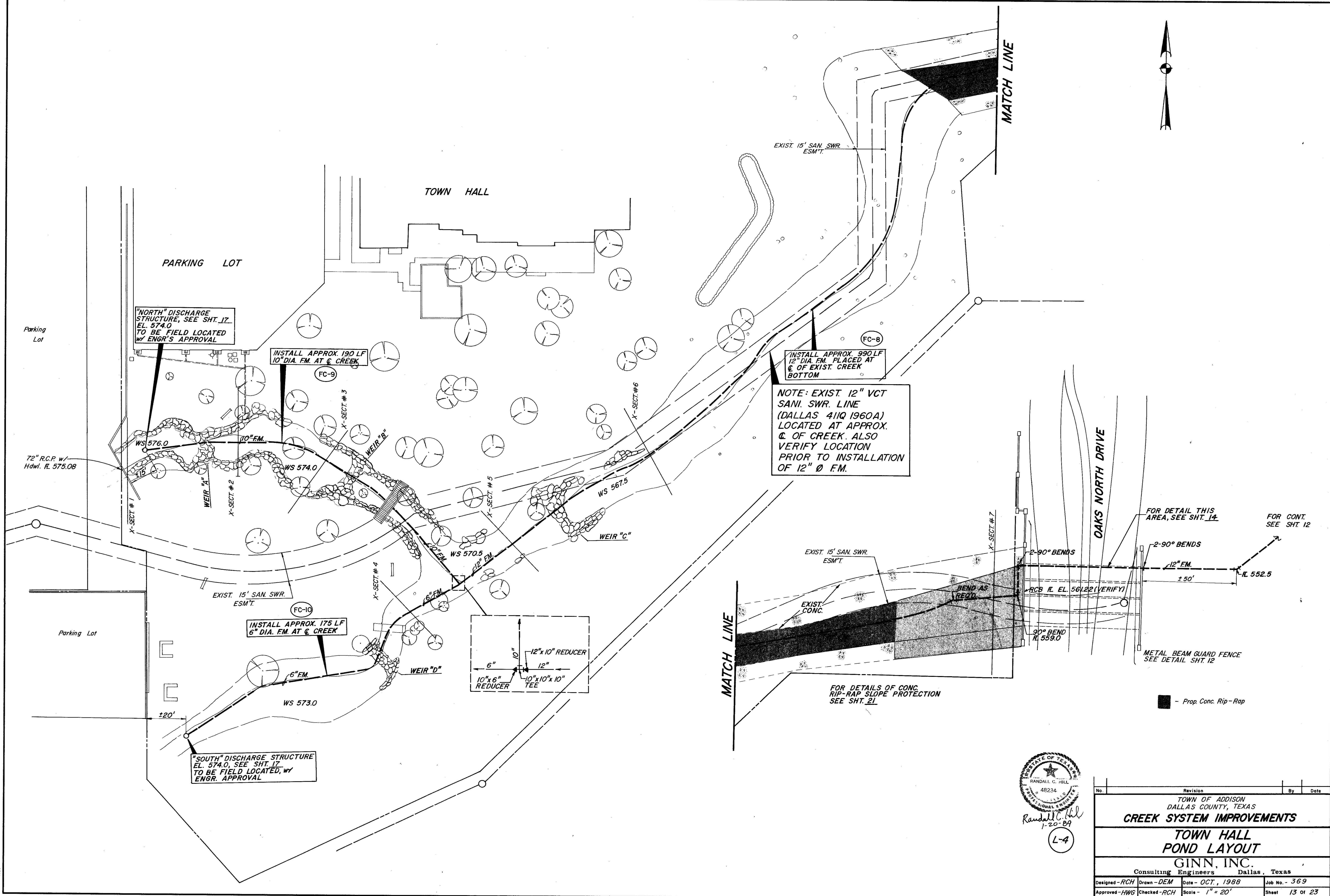
FOR CONT. SEE SHT. 13

EXIST. 15" SAN. SWR. ESM'T.
 METAL BEAM GUARD FENCE SEE DETAIL THIS SHT.

L-3

Randall C. Hill
 1-20-89

No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS CREEK SYSTEM IMPROVEMENTS FINANCE CENTER POND LAYOUT GINN, INC. Consulting Engineers Dallas, Texas			
Designed - RCH	Drawn - DEM	Date - OCT., 1988	Job No. - 369
Approved - HWG	Checked - RCH	Scale - 1" = 20'	Sheet 12 of 23



"NORTH" DISCHARGE STRUCTURE, SEE SHT. 17, EL. 574.0 TO BE FIELD LOCATED, WY ENGR'S APPROVAL

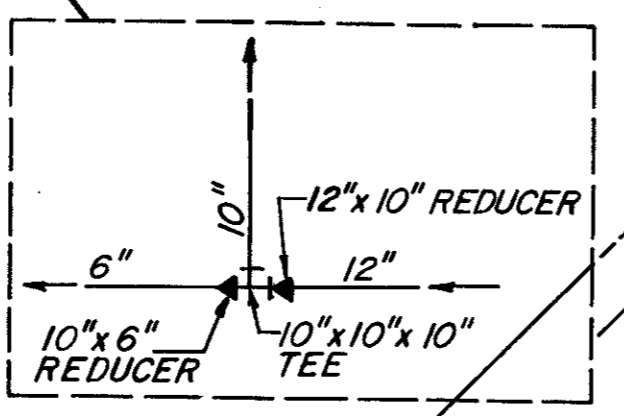
INSTALL APPROX. 190 LF 10" DIA. FM. AT CREEK

INSTALL APPROX. 990 LF 12" DIA. FM. PLACED AT C. OF EXIST. CREEK BOTTOM

NOTE: EXIST. 12" VCT SANI. SWR. LINE (DALLAS 411Q 1960A) LOCATED AT APPROX. C. OF CREEK. ALSO VERIFY LOCATION PRIOR TO INSTALLATION OF 12" Ø FM.

INSTALL APPROX. 175 LF 6" DIA. FM. AT CREEK

"SOUTH" DISCHARGE STRUCTURE EL. 574.0, SEE SHT. 17, TO BE FIELD LOCATED, WY ENGR. APPROVAL



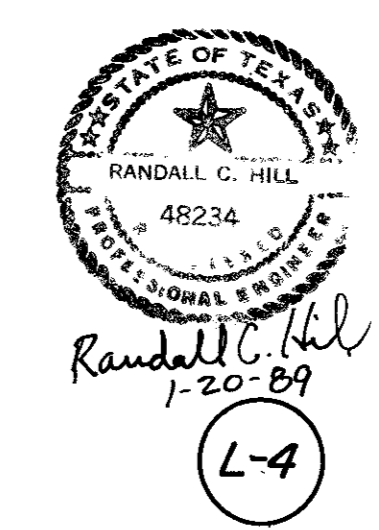
FOR DETAIL THIS AREA, SEE SHT. 14

FOR CONT. SEE SHT. 12

FOR DETAILS OF CONC. RIP-RAP SLOPE PROTECTION SEE SHT. 21

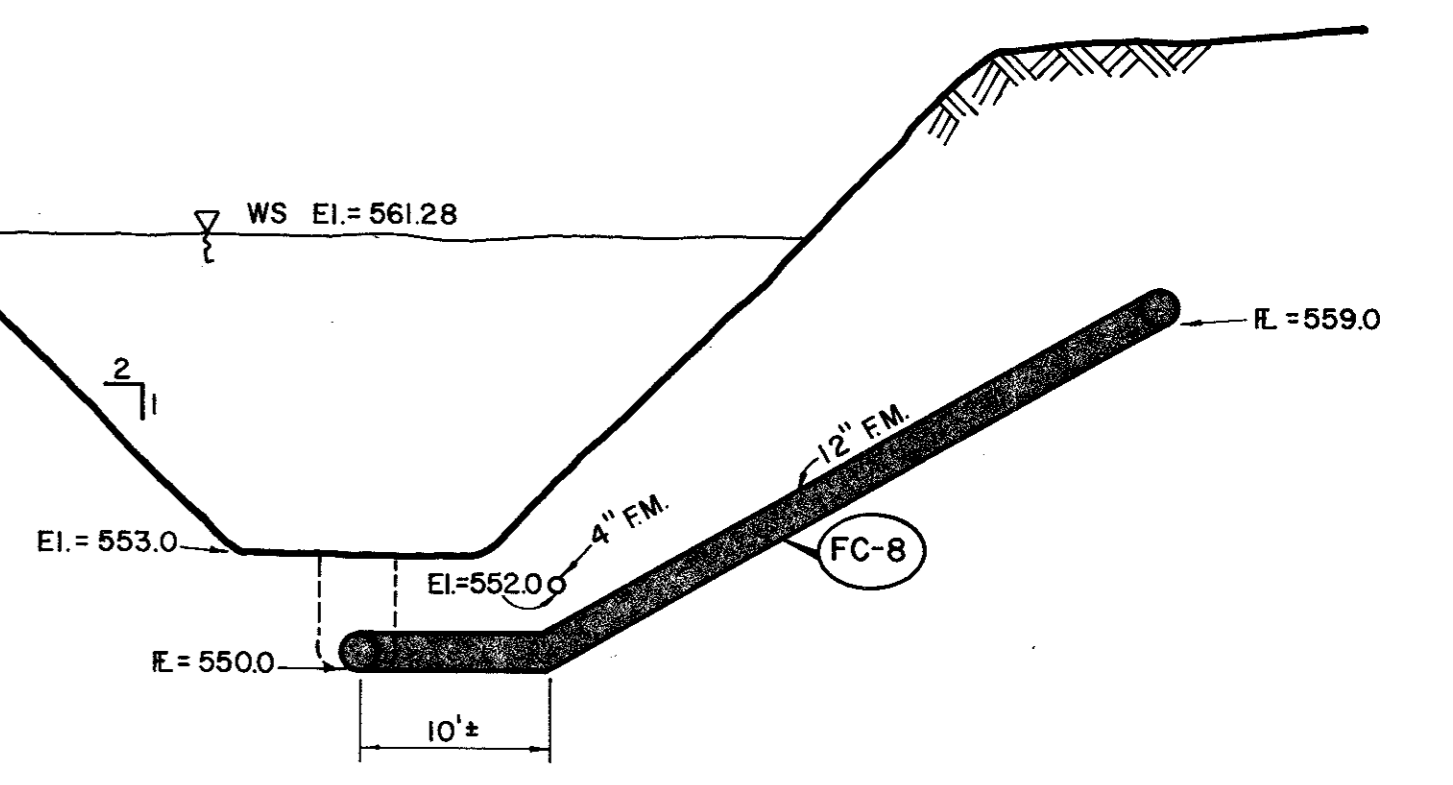
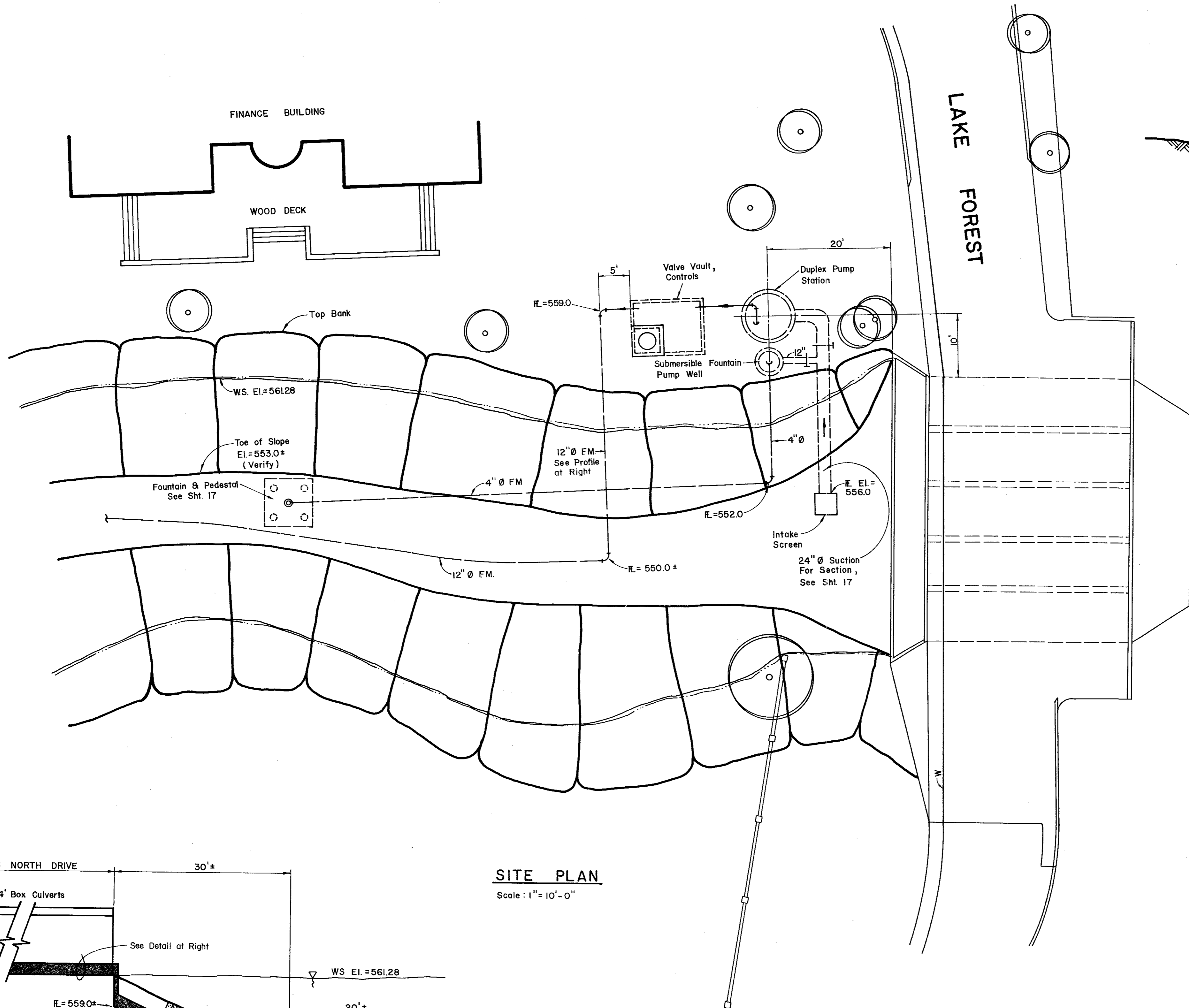
METAL BEAM GUARD FENCE SEE DETAIL SHT. 12

Prop. Conc. Rip-Rap

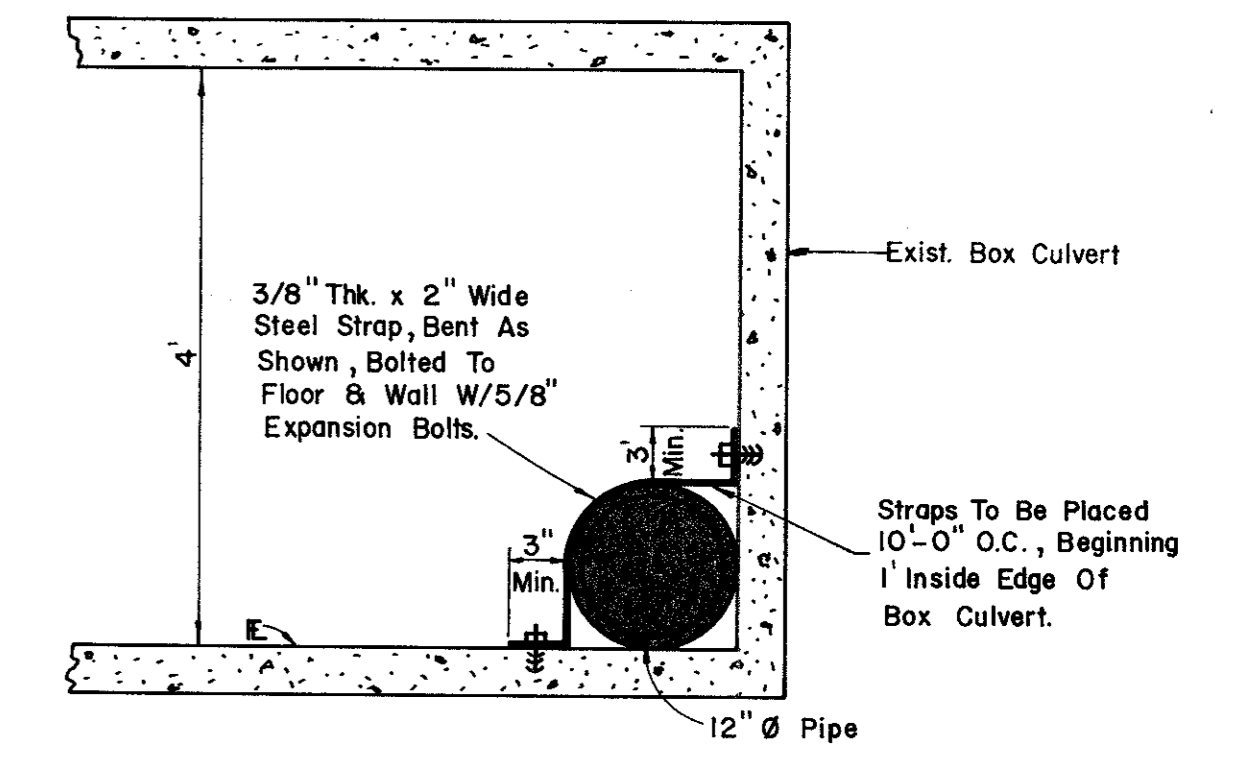


No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS CREEK SYSTEM IMPROVEMENTS			
TOWN HALL POND LAYOUT			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - RCH	Drawn - DEM	Date - OCT., 1988	Job No. - 369
Approved - HWG	Checked - RCH	Scale - 1" = 20'	Sheet 13 of 23

PREC 03/88/84

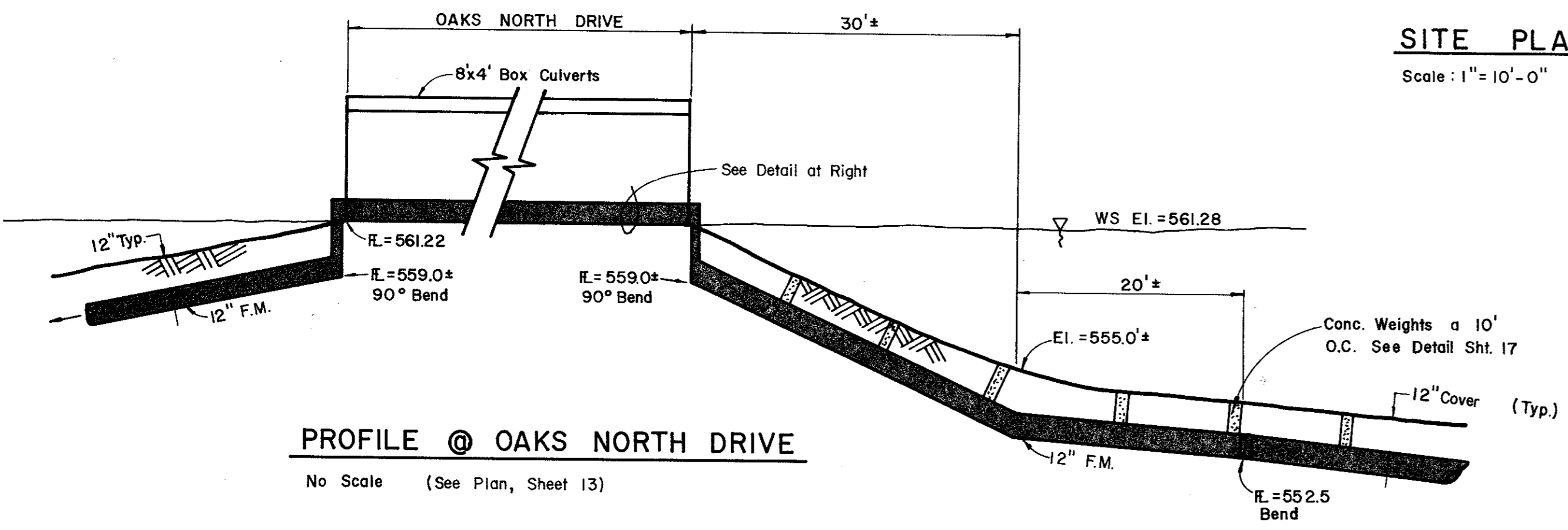


12" DISCHARGE PROFILE
Scale: 1" = 10' Horizontal, 1" = 5' Vertical

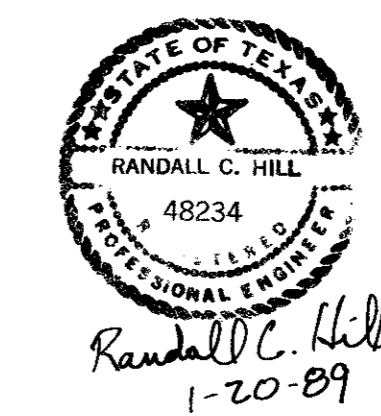


DETAIL PIPE LOCATION
No Scale

SITE PLAN
Scale: 1" = 10'-0"

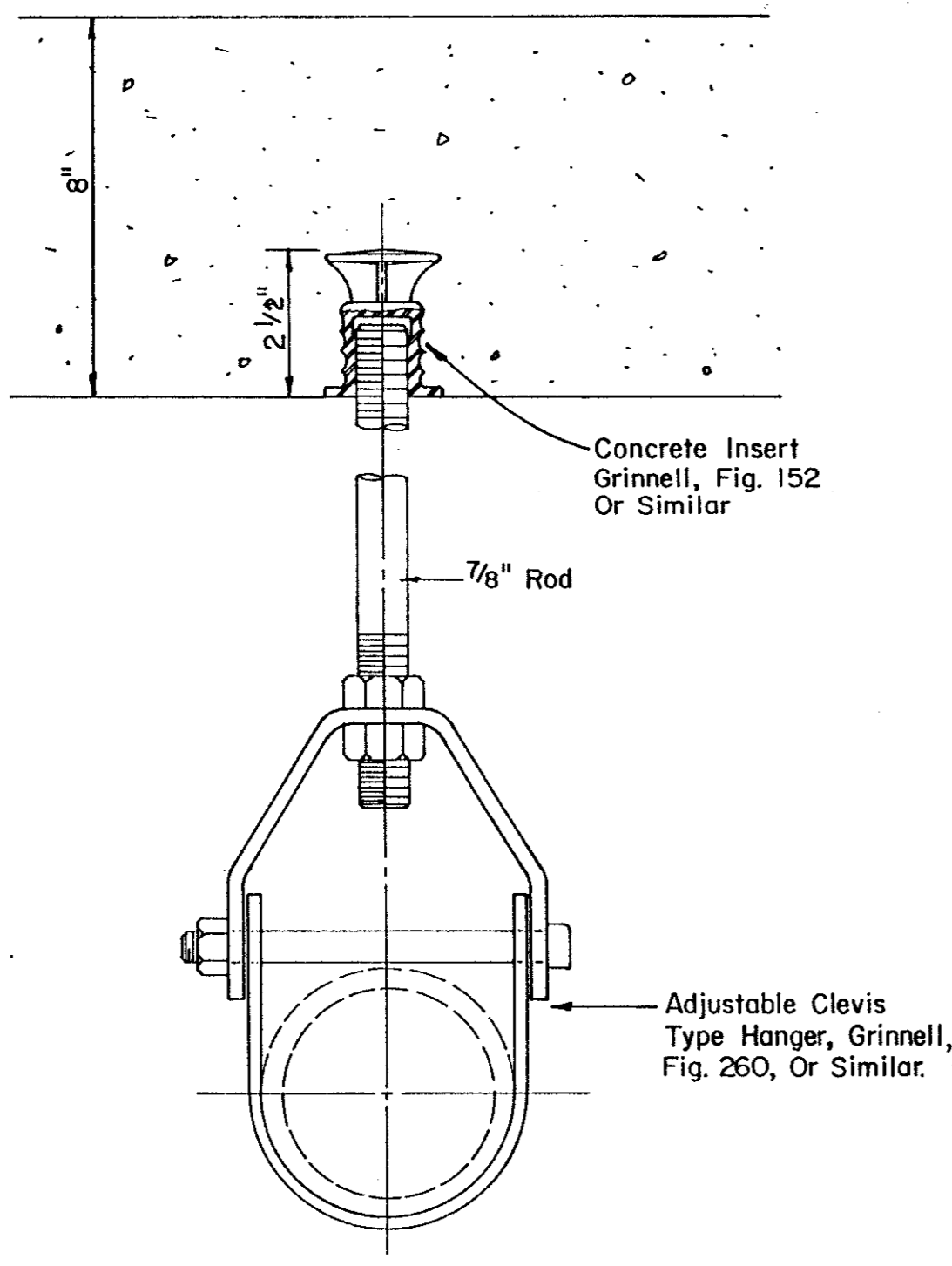


PROFILE @ OAKS NORTH DRIVE
No Scale (See Plan, Sheet 13)

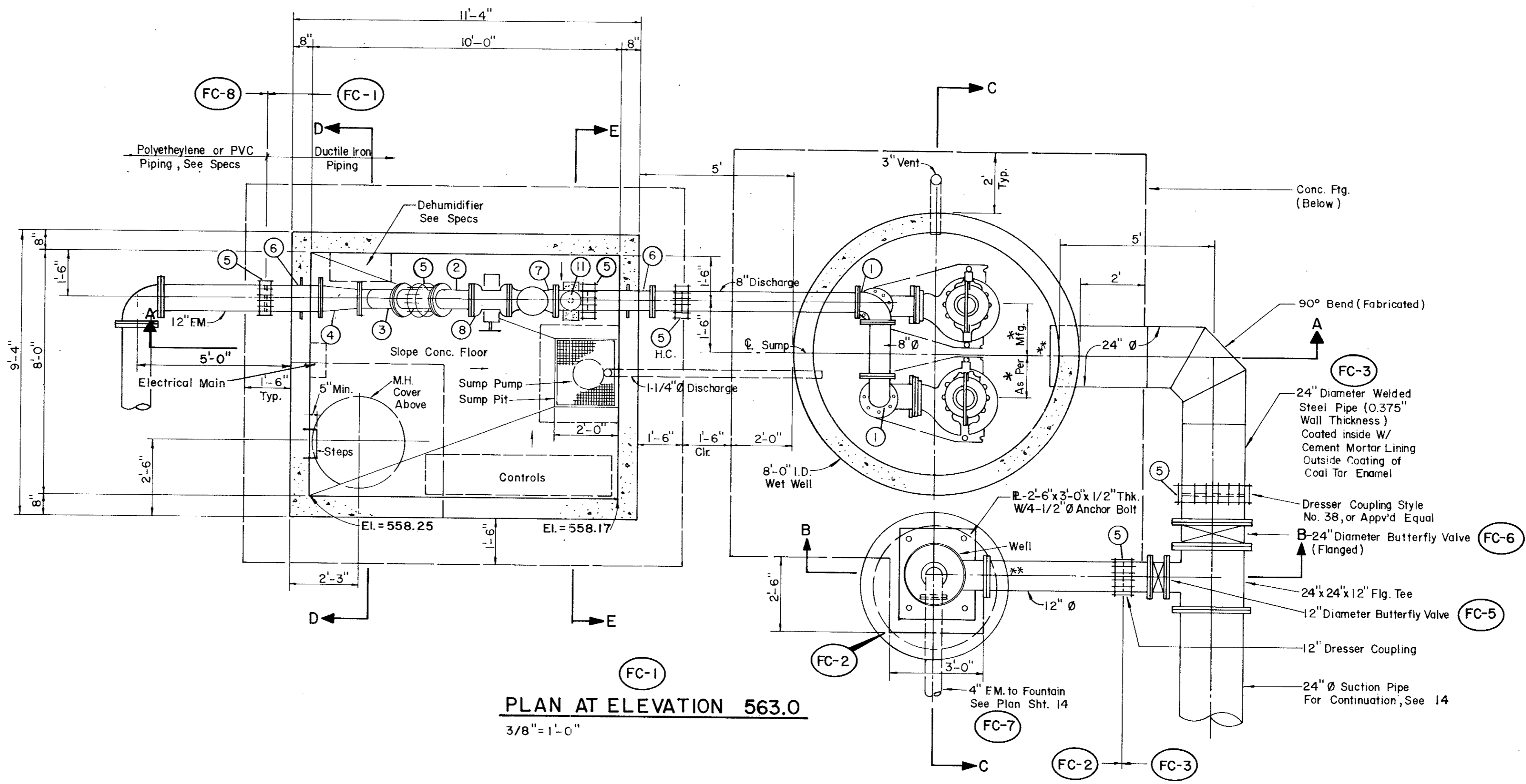


No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS			
CREEK SYSTEM IMPROVEMENTS			
FINANCE CENTER PUMP STATION SITE PLAN			
GINN, INC.			
Consulting Engineers Dallas, Texas			
Designed - RCH	Drawn - RLO	Date - OCT, 1988	Job No. - 369
Approved - HWG	Checked - RCH	Scale - 1" = 20'	Sheet 14 Of 23

PSCD 305824

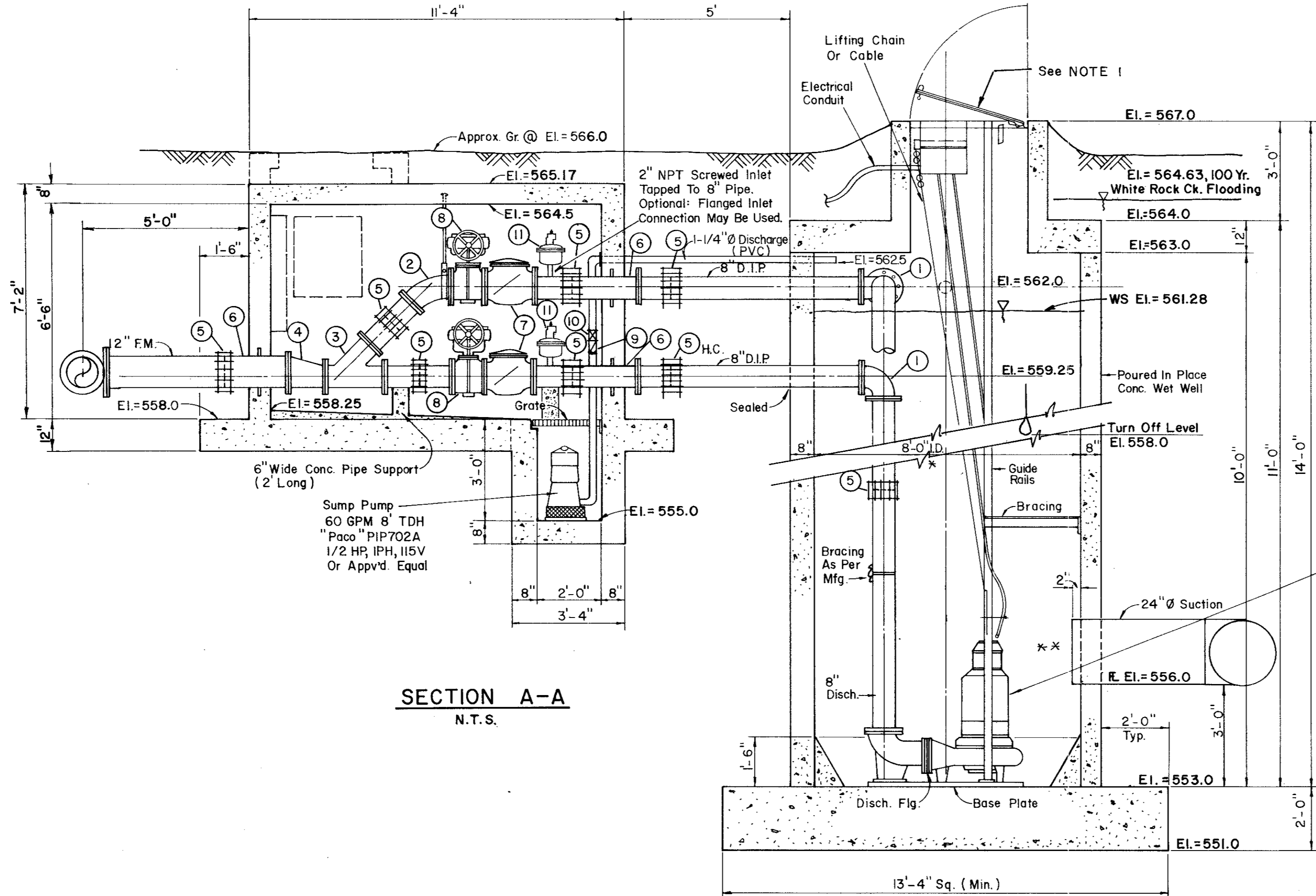


PIPE HANGER DETAIL
NO SCALE



PLAN AT ELEVATION 563.0
3/8" = 1'-0"

* DENOTES DIMENSION TO BE SET BY PUMP SUPPLIER



SECTION A-A
N.T.S.

LEGEND

- ① 90° Bend (Flanged)
- ② 45° Bend (Flanged)
- ③ 8" x 8" Lateral (Flanged)
- ④ 12" x 8" Reducer (Flanged)
- ⑤ Dresser "Type" Coupling (Size Indicated)
- ⑥ Cast in Place Wall Pipe (Fig. 6 PE.)
- ⑦ Check Valve (See Specs)
- ⑧ Plug Valve (See Specs)
- ⑨ 1-1/4" Check Valve
- ⑩ 1-1/4" Gate Valve
- ⑪ Air Valve

* PUMP SUPPLIER SHALL VERIFY THAT INSIDE DIAMETER IS ACCEPTABLE FOR HIS PUMPS.

** PUMP SUPPLIER SHALL VERIFY SIZE AND LOCATION OF SUCTION LINE AND SHAPE OF SUMP. CHECK FOR DETRIMENTAL VELOCITIES AND VORTICES.

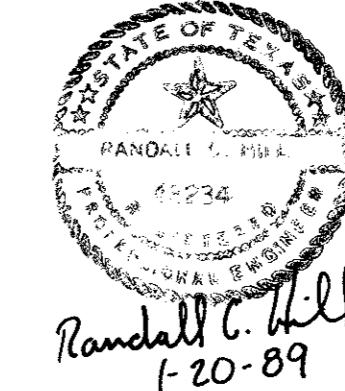
Duplex Pumps "Hydromatic" Submersibles Model SBLX, 870 RPM, 1500 GPM @ 40' TDH (Each) 20 HP, 3PH, 230 V Or Approved Equal.

H.C. = Harness Coupling

NOTE 1:

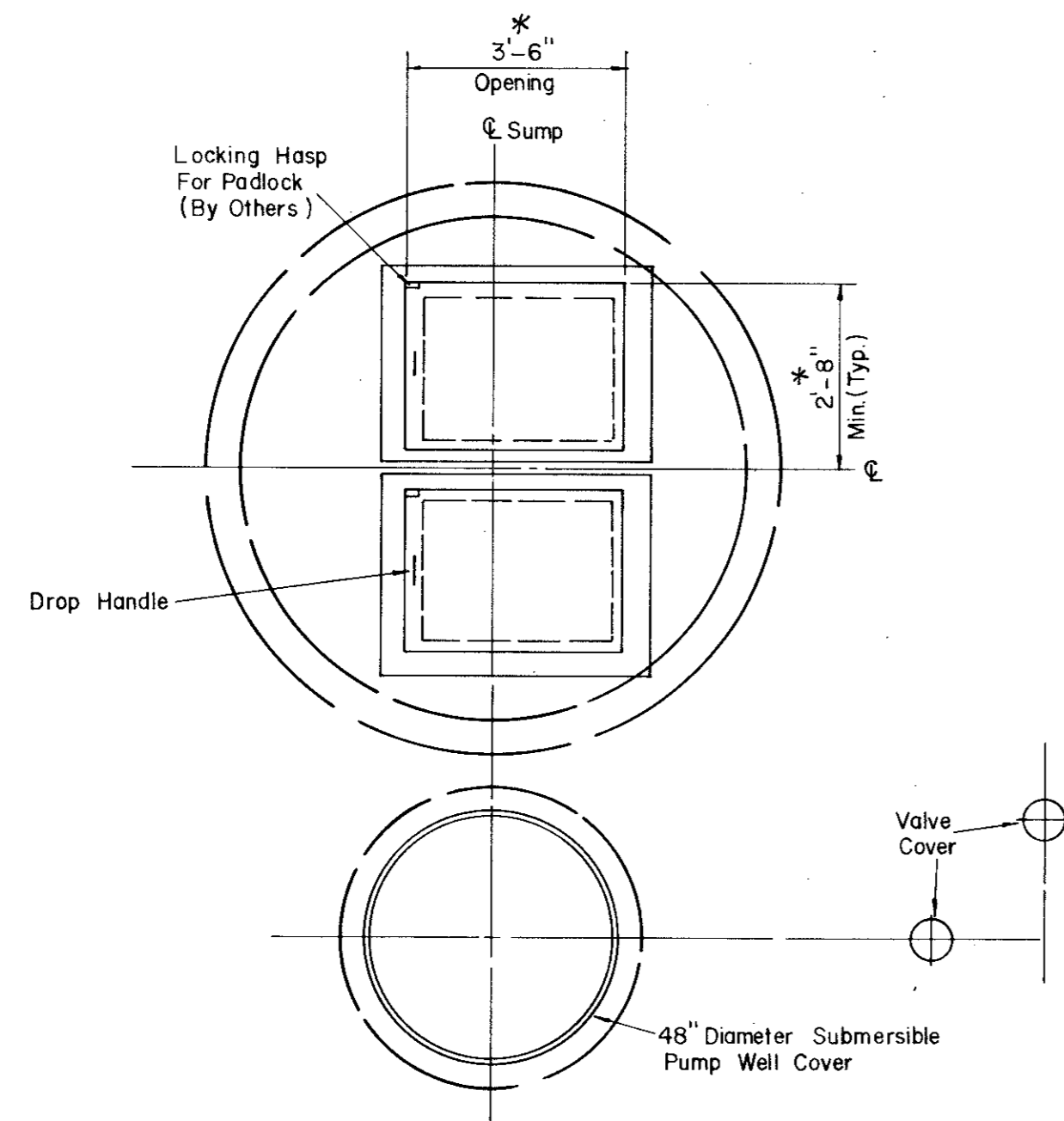
Access door configuration, size, dimensions, installation, lifting chain or cable, guide rails, etc. are shown so as to be included in this construction. Actual details may have to be modified based upon pump station manufacturer's specific requirements. Contractor shall submit shop drawings to engineer for approval prior to any work being done. Optional flat slab top on pump station will be considered if all information is supplied for proper review.

NOTE: SEE SHEETS 6 & 7 FOR STEEL DESIGN



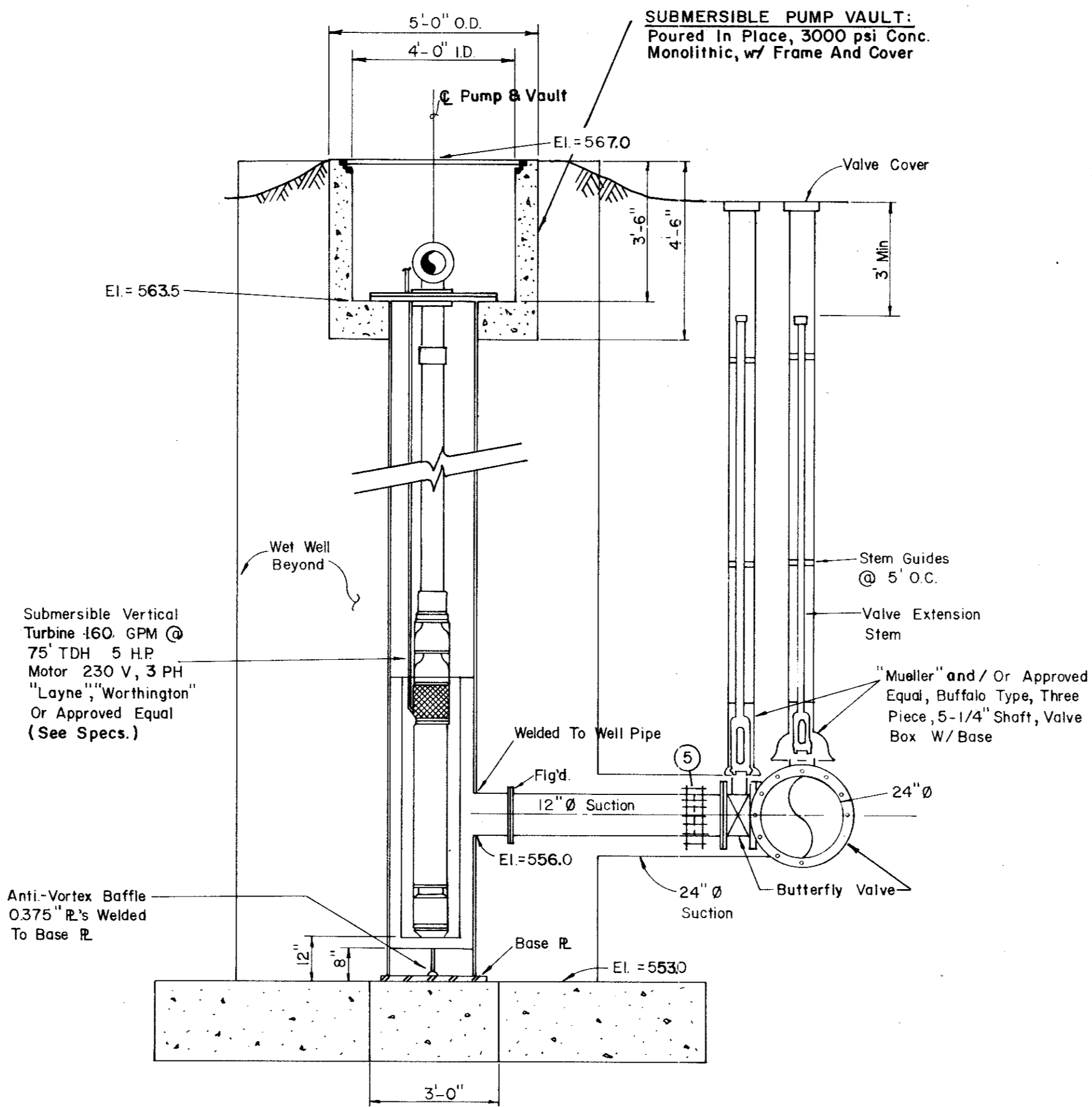
Randall G. Hill
F-20-89

No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS CREEK SYSTEM IMPROVEMENTS			
FINANCE CENTER PUMP STATION PLAN AND SECTION			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - AGF	Drawn - CL	Date - DEC. 1988	Job No. - 369
Approved - HWG	Checked - RCH	Scale - AS NOTED	Sheet 15 of 23

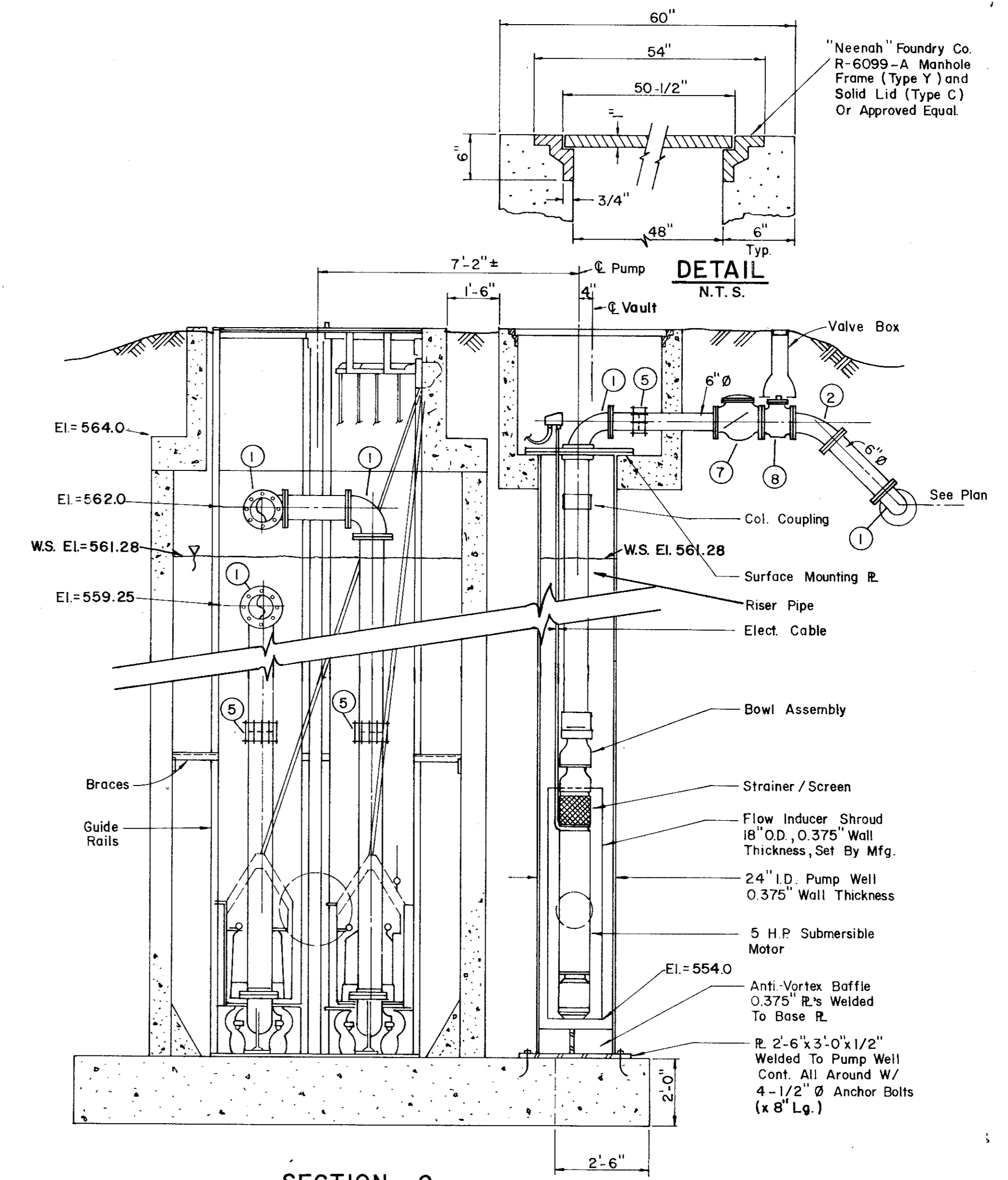


TOP VIEW

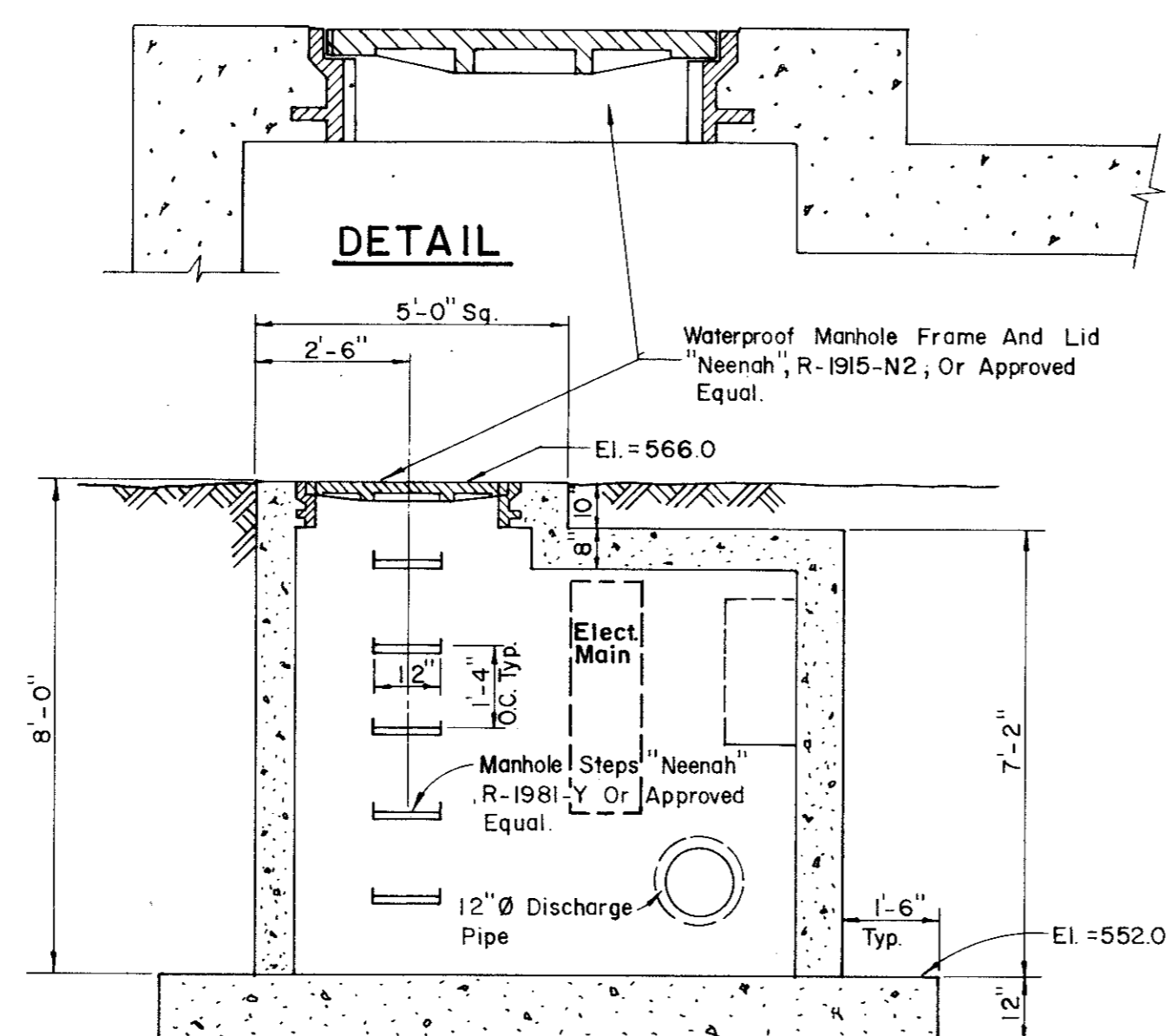
3/8"=1'-0"
 * DEPENDENT UPON PUMP MFG.



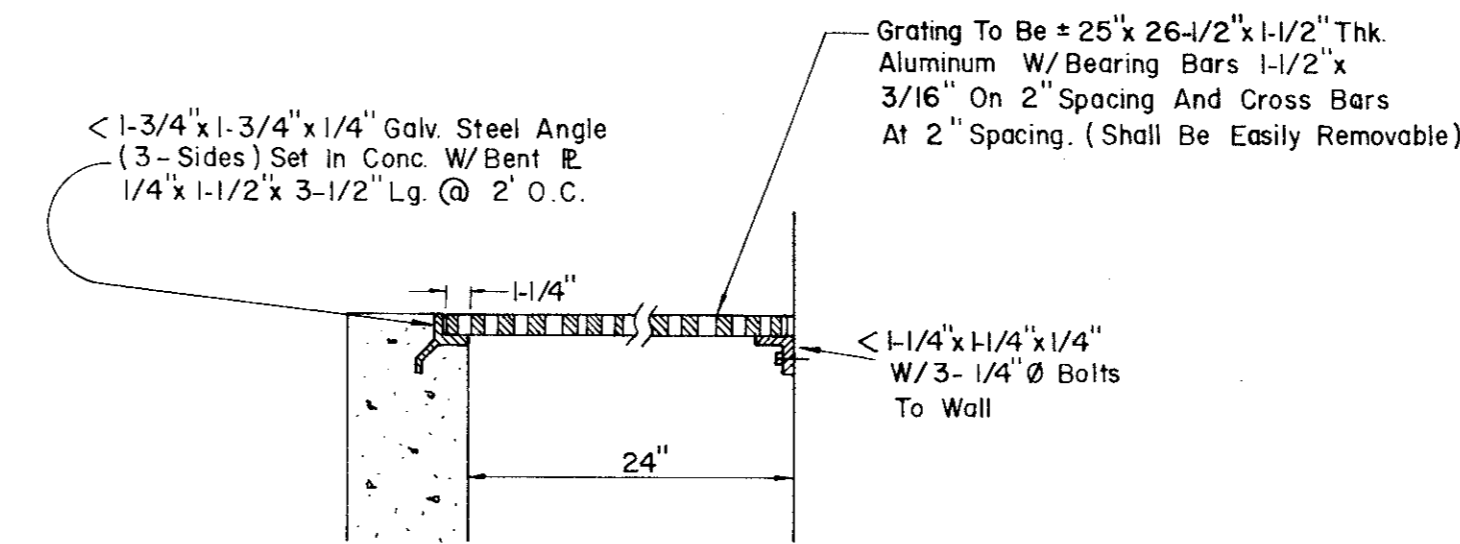
SECTION B



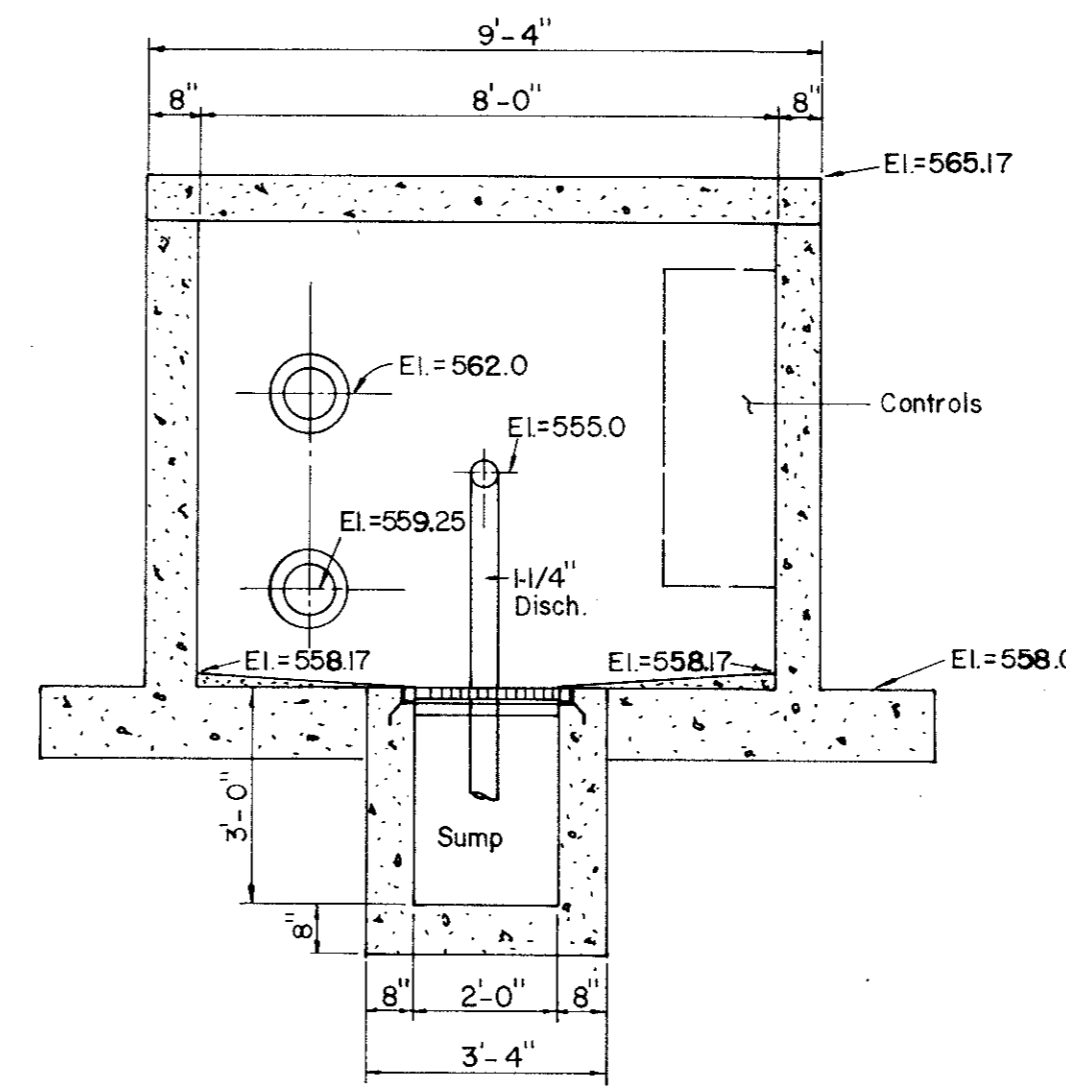
SECTION C



SECTION D



DETAIL - SUMP GRATE

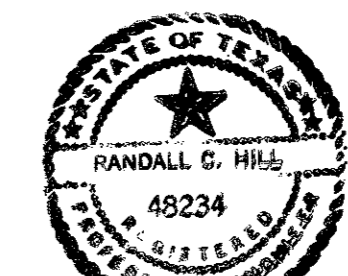


SECTION E

LEGEND

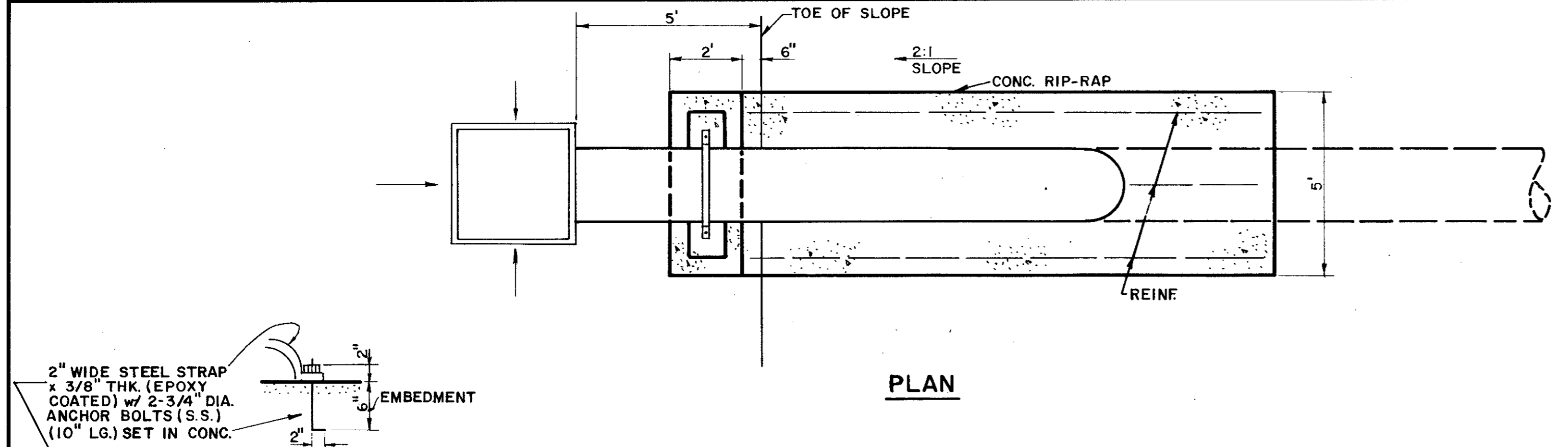
- ① 90° Bend (Flanged)
- ② 45° Bend (Flanged)
- ③ 8" x 8" x 8" Lateral (Flanged)
- ④ 12" x 8" Reducer (Flanged)
- ⑤ "Dresser" Type Coupling (Size Indicated)
- ⑥ Cast In Place Wall Pipe (Fig. & P.E.)
- ⑦ "Clow" F-1426, Or Approved Equal
- ⑦ Check Valve (See Specs)
- ⑧ Plug Valve (See Specs)
- ⑨ 1-1/4" Check Valve
- ⑩ 1-1/4" Gate Valve

NOTE: SEE SHEETS 6 & 7 FOR STEEL DESIGN

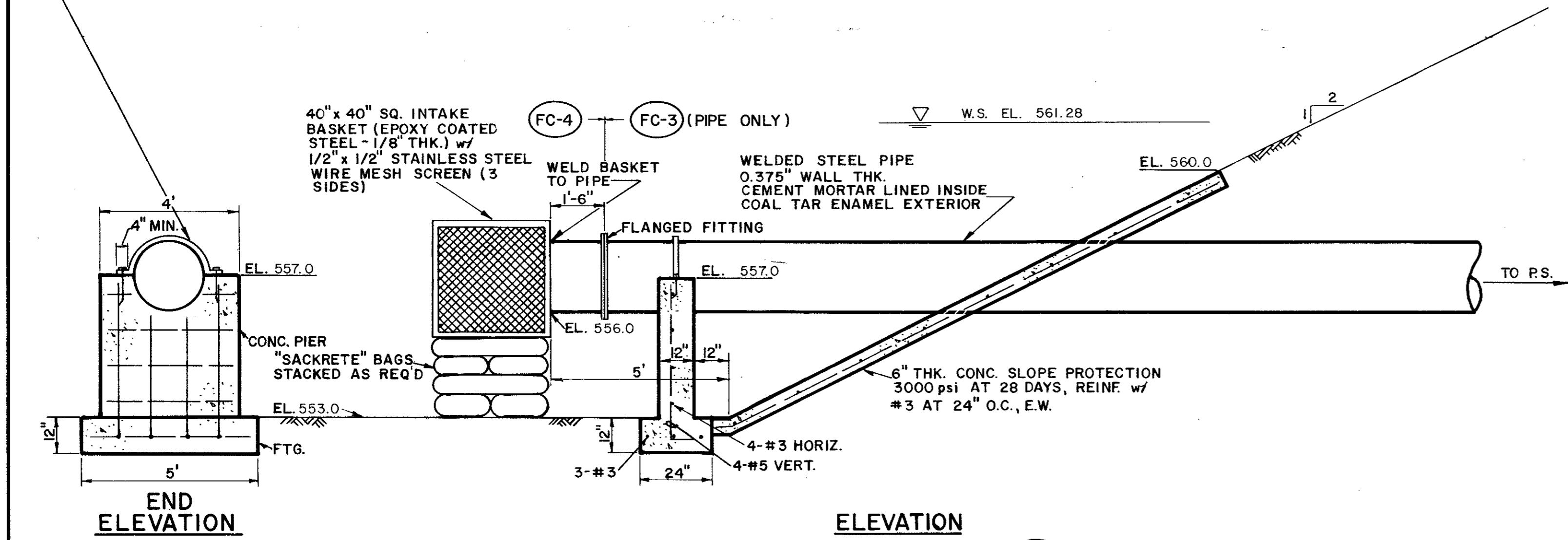
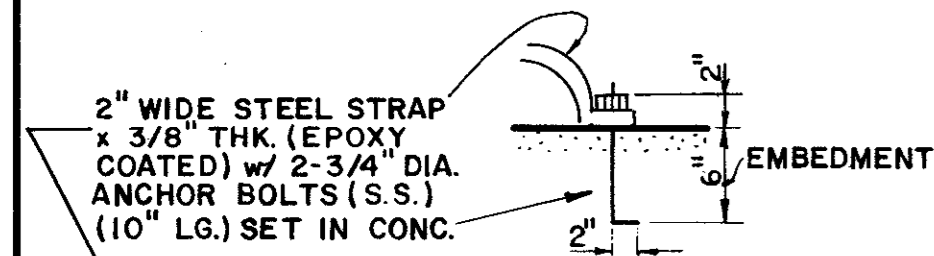


Randall C. Hill
 1-20-89

No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS CREEK SYSTEM IMPROVEMENTS FINANCE CENTER PUMP STATION DETAILS GINN, INC. Consulting Engineers Dallas, Texas			
Designed - AGF	Drawn - CL	Date - DEC. 1988	Job No. - 369
Approved - HWG	Checked - RCH	Scale - 3/8" = 1'-0"	Sheet 16 OF 23



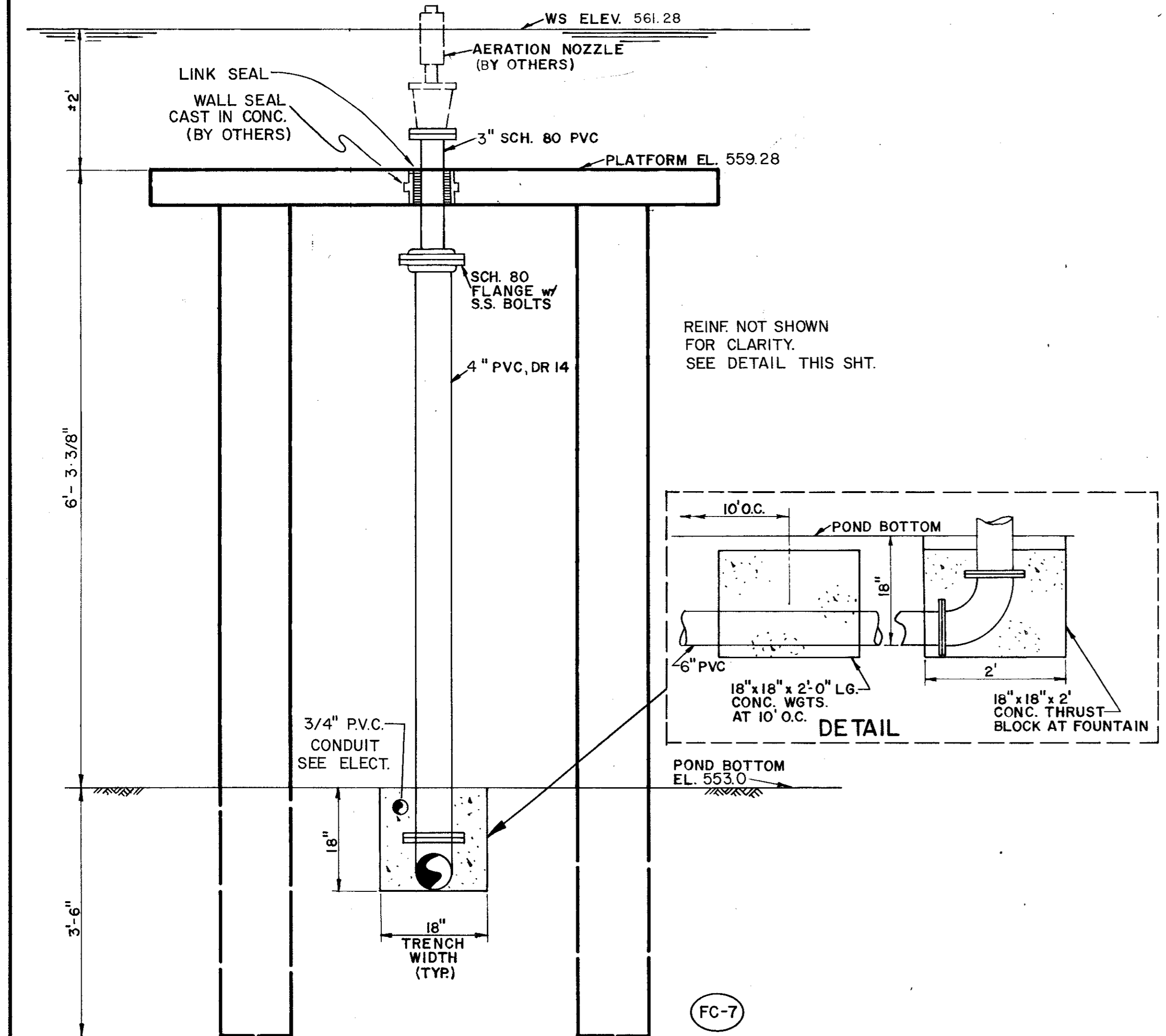
PLAN



ELEVATION

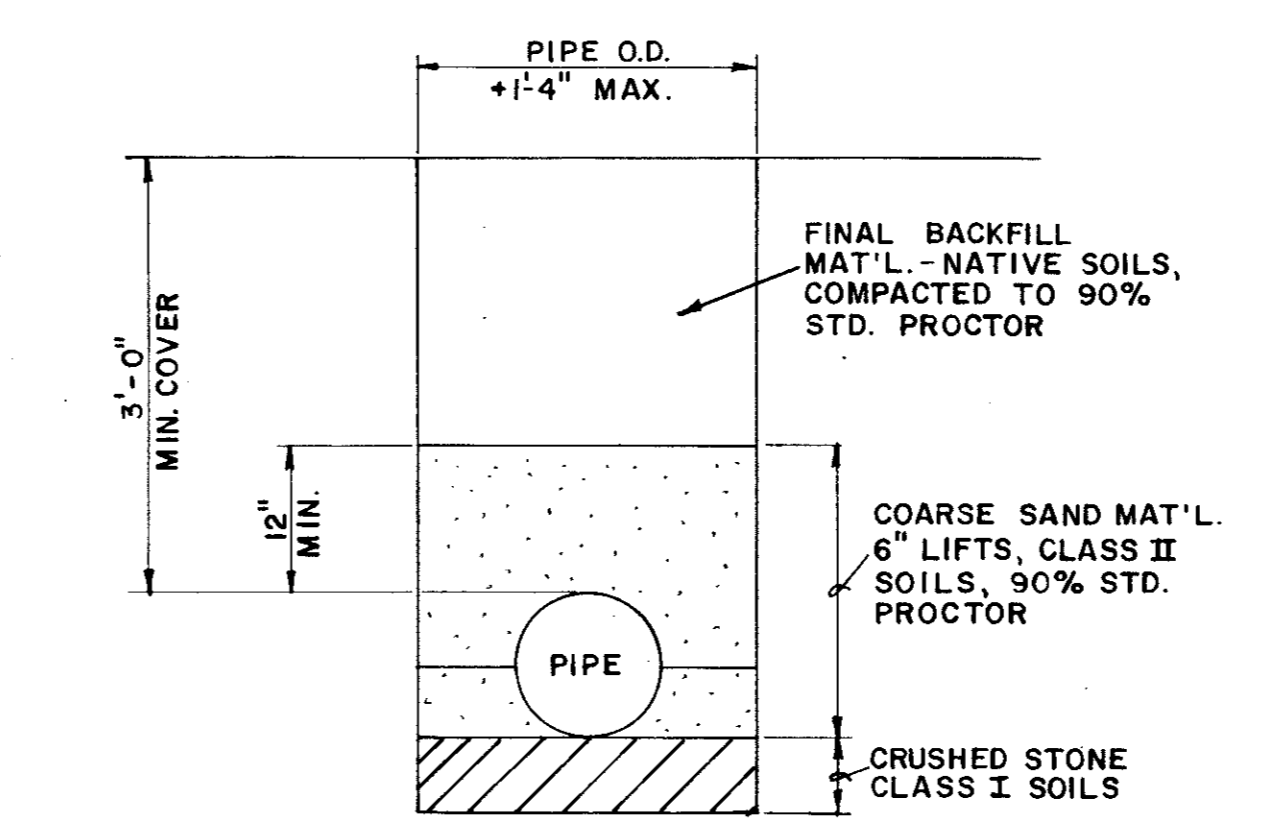
INTAKE STRUCTURE DETAILS (FC-4)

SCALE: 3/8" = 1'-0"



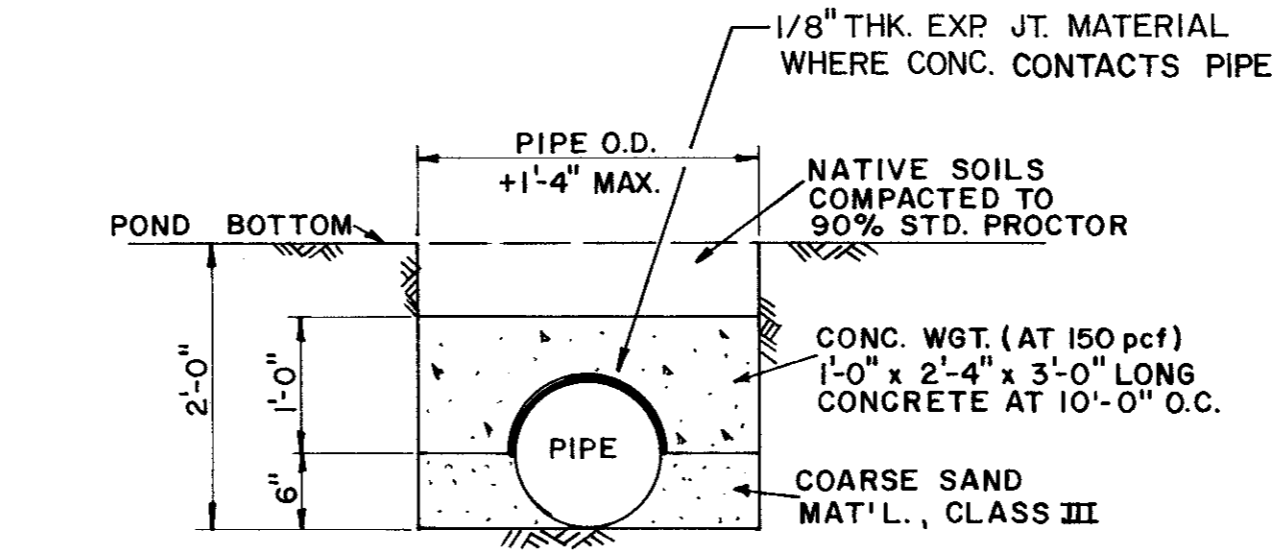
FOUNTAIN DETAIL

N.T.S.



TYP EMBEDMENT/BACKFILL DETAILS (FOR PIPE NOT SUBMERGED)

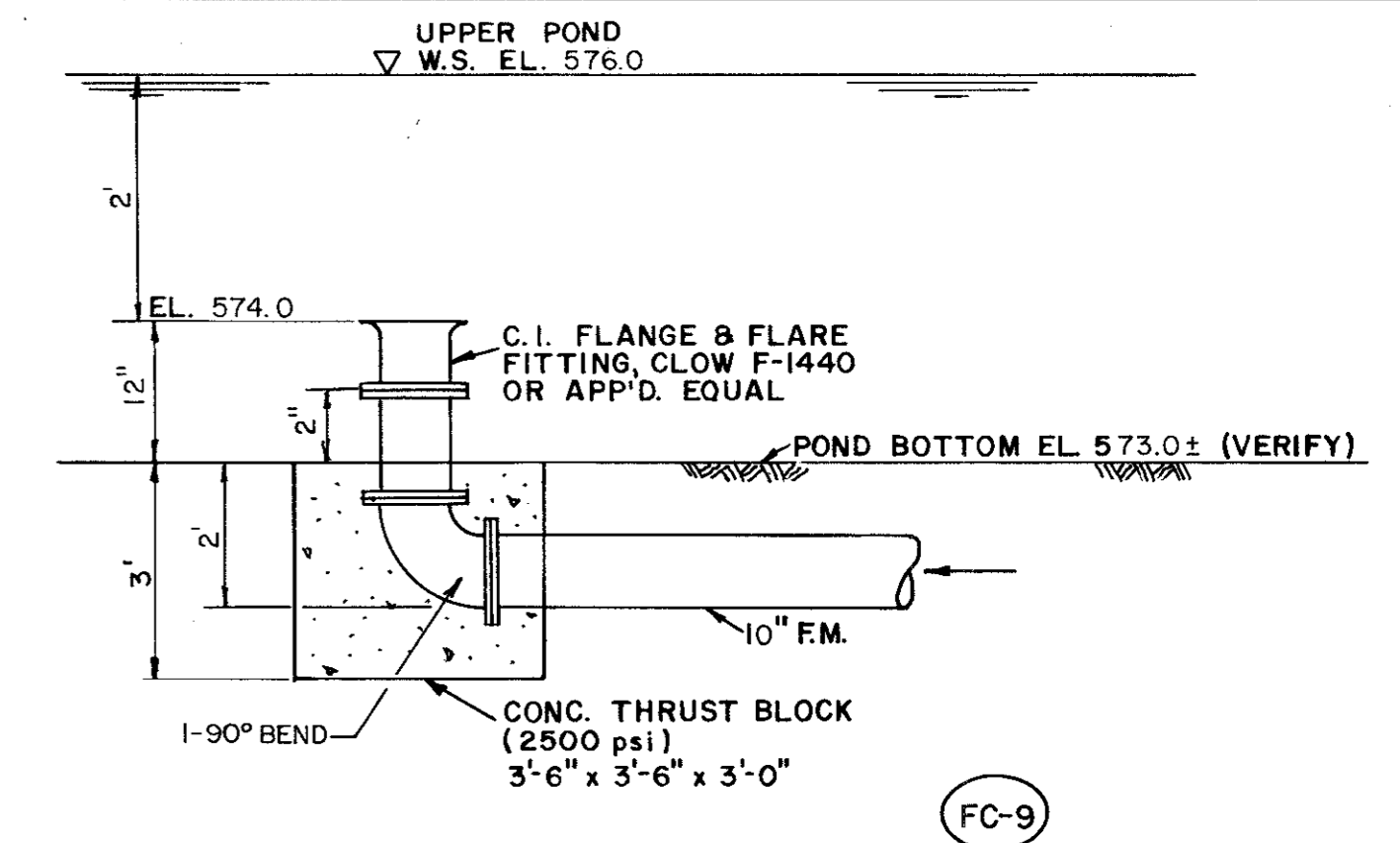
SCALE: 3/4" = 1'-0"



TYP EMBEDMENT/BACKFILL DETAILS (FOR SUBMERGED PIPE)

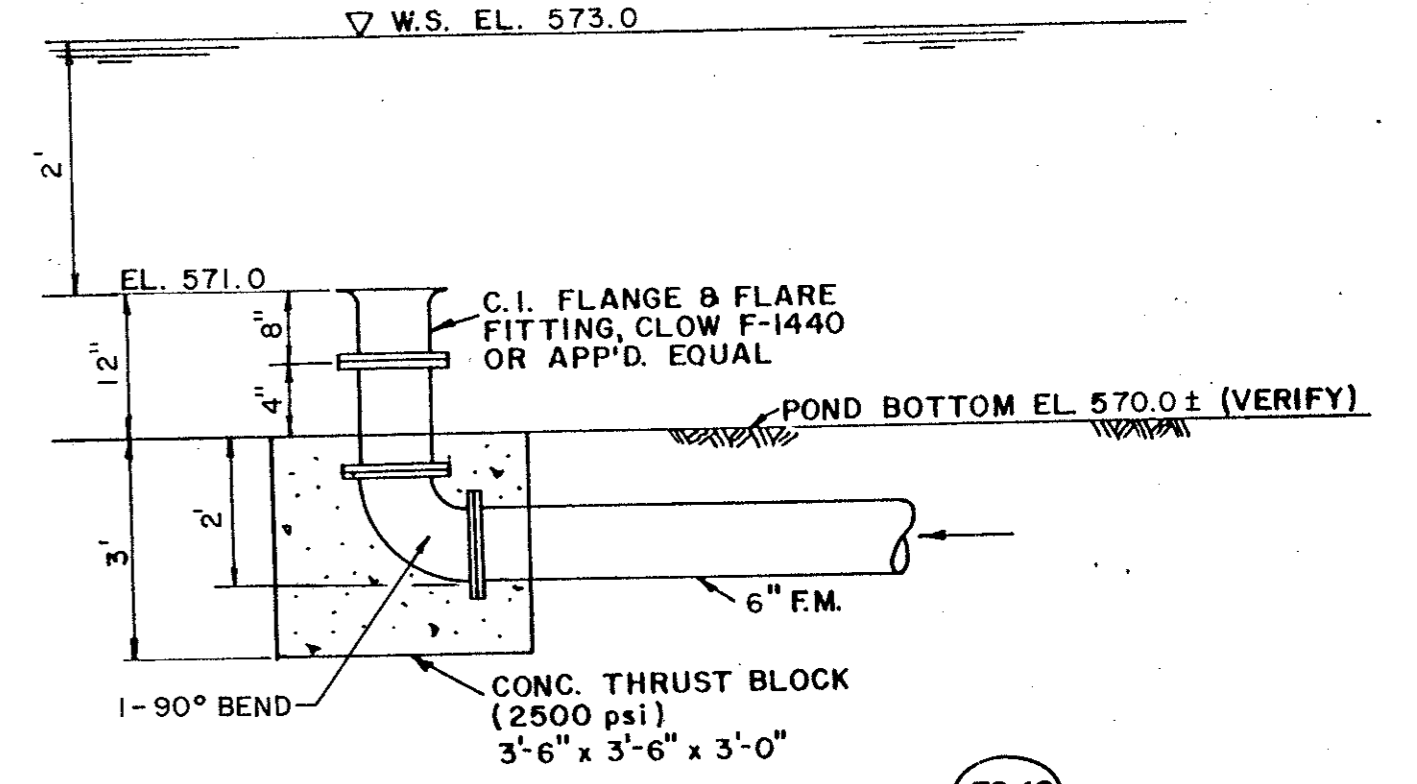
SCALE: 3/4" = 1'-0"

DISCHARGE PIPE DETAILS



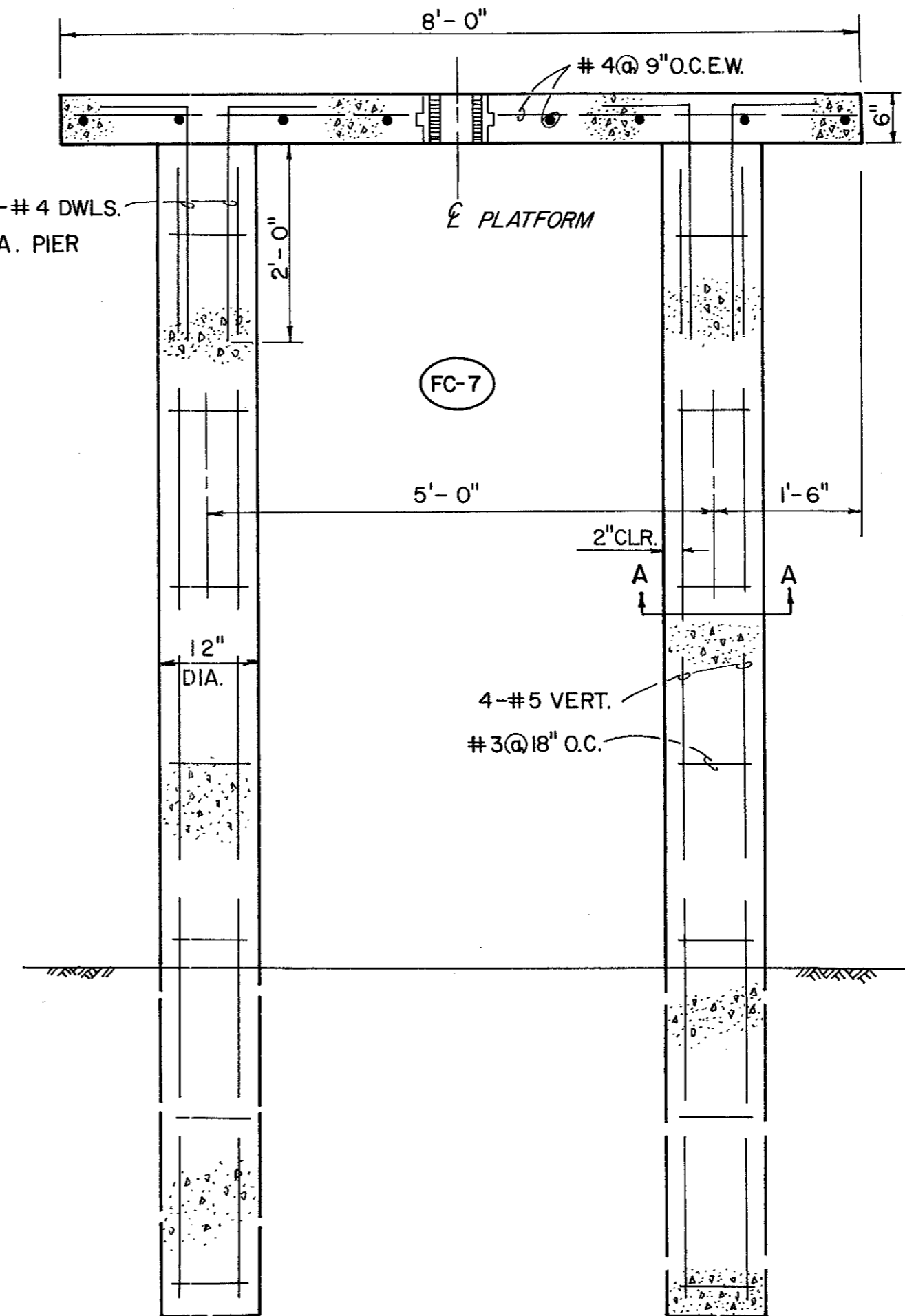
NORTH DISCHARGE STRUCTURE

N.T.S.



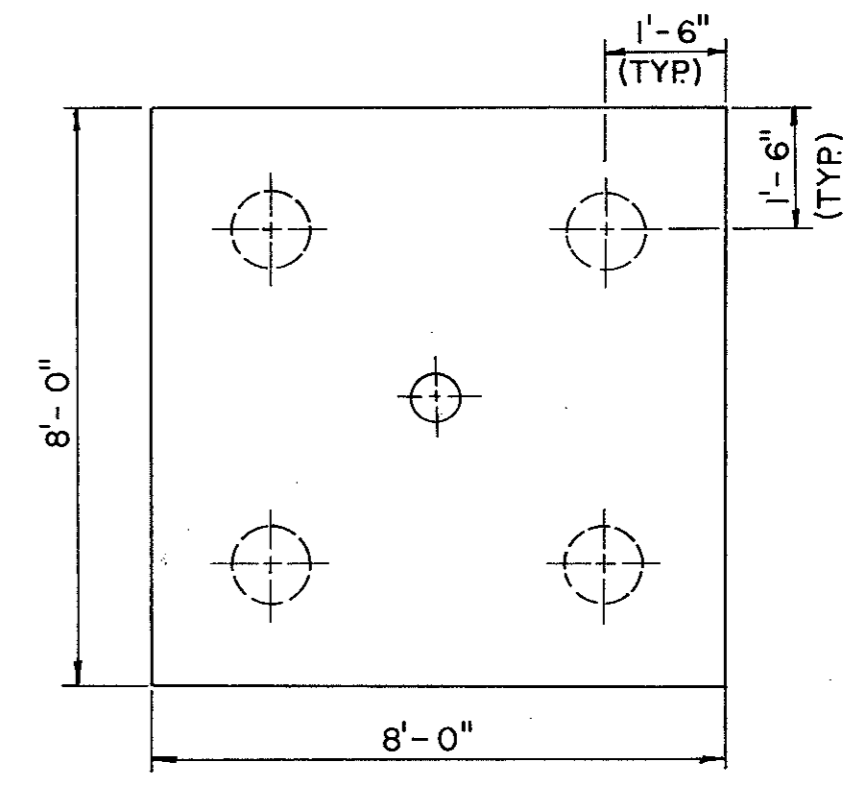
SOUTH DISCHARGE STRUCTURE

SCALE: N.T.S.

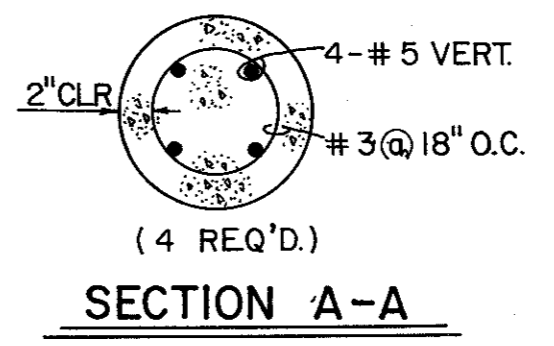


REINFORCEMENT DETAIL

N.T.S.



PLATFORM PLAN



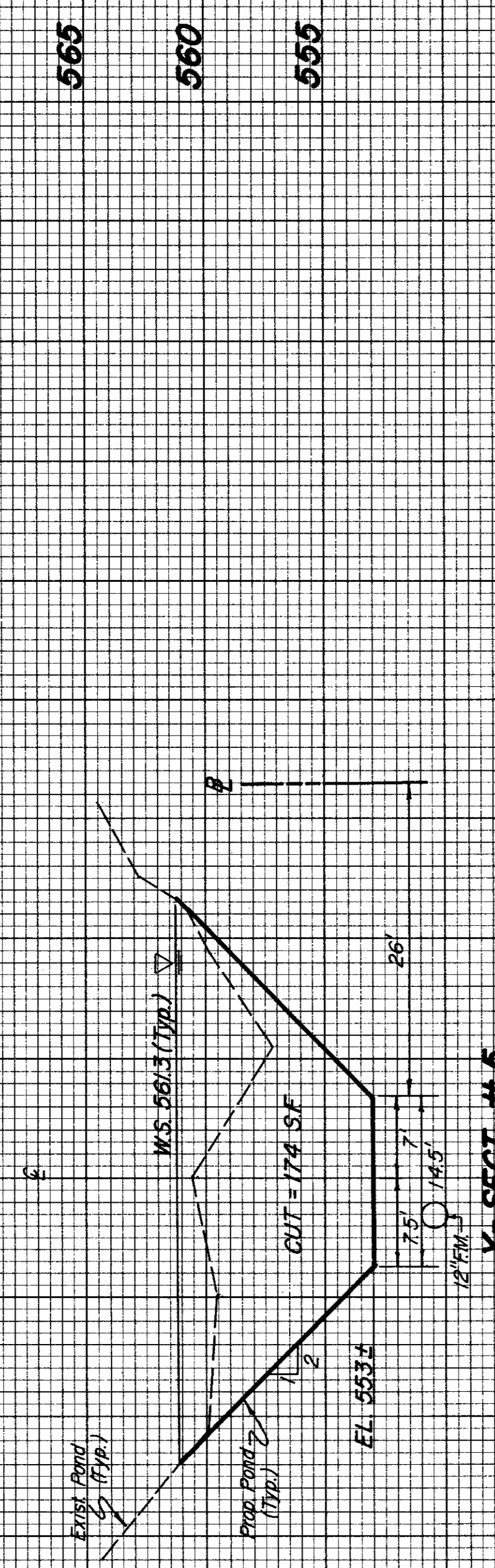
Randall C. Hill
1-20-89

No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS CREEK SYSTEM IMPROVEMENTS FINANCE CENTER/TOWN HALL MISCELLANEOUS DETAILS GINN, INC. Consulting Engineers Dallas, Texas			
Designed - AGF	Drawn - DEM	Date - DEC., 1988	Job No. - 369
Approved - HWG	Checked - RCH	Scale - AS NOTED	Sheet 17 of 23

FINAL SURVEY BY DATE
 SURVEYED PLOTTED
 NOTE BOOK NO. AREAS CHECKED

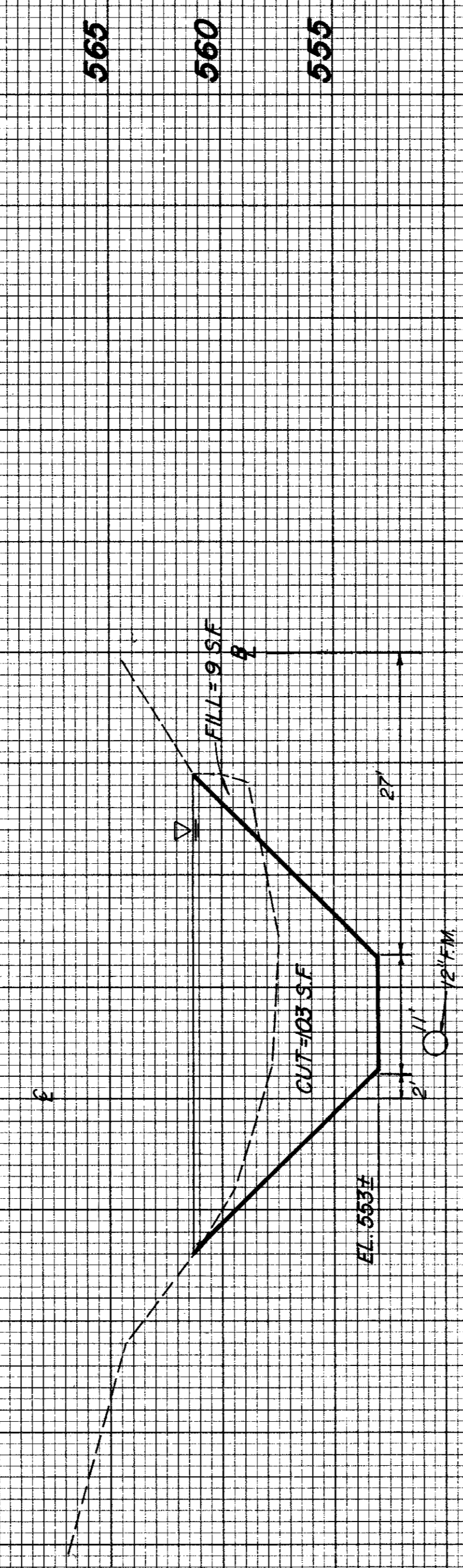
ORIGINAL SURVEY BY DATE
 SURVEYED PLOTTED
 NOTE BOOK NO. AREAS CHECKED

VOL = 109 C.Y.



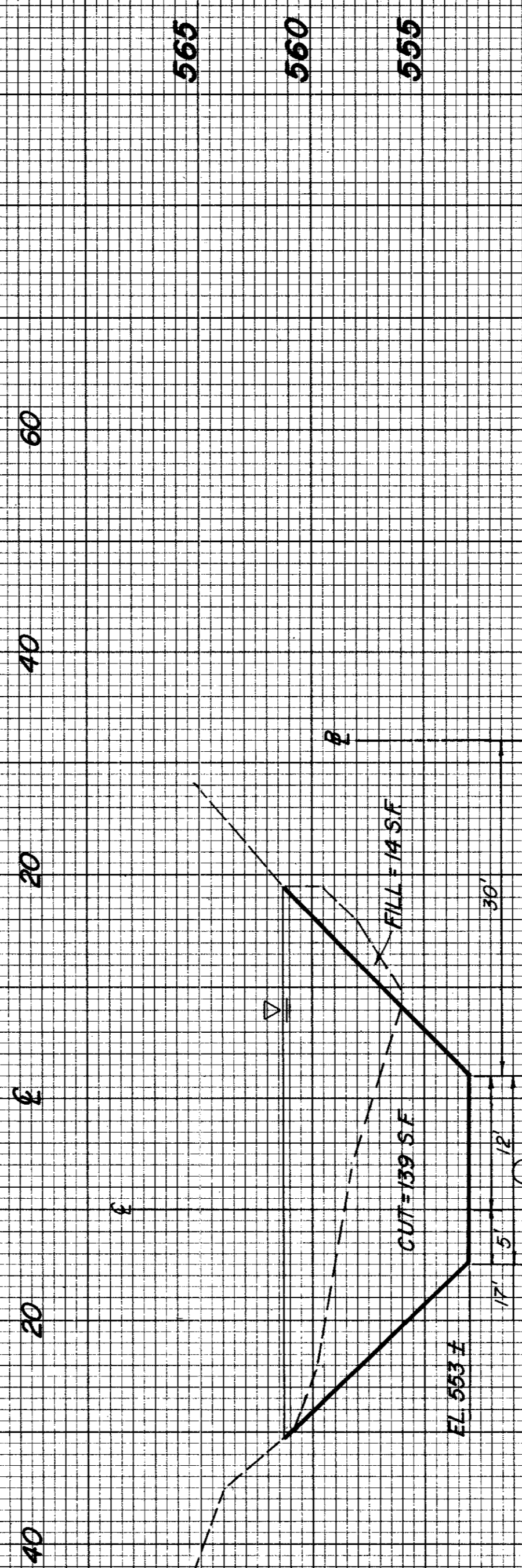
X-SECT. # 5

VOL = 149 C.Y.



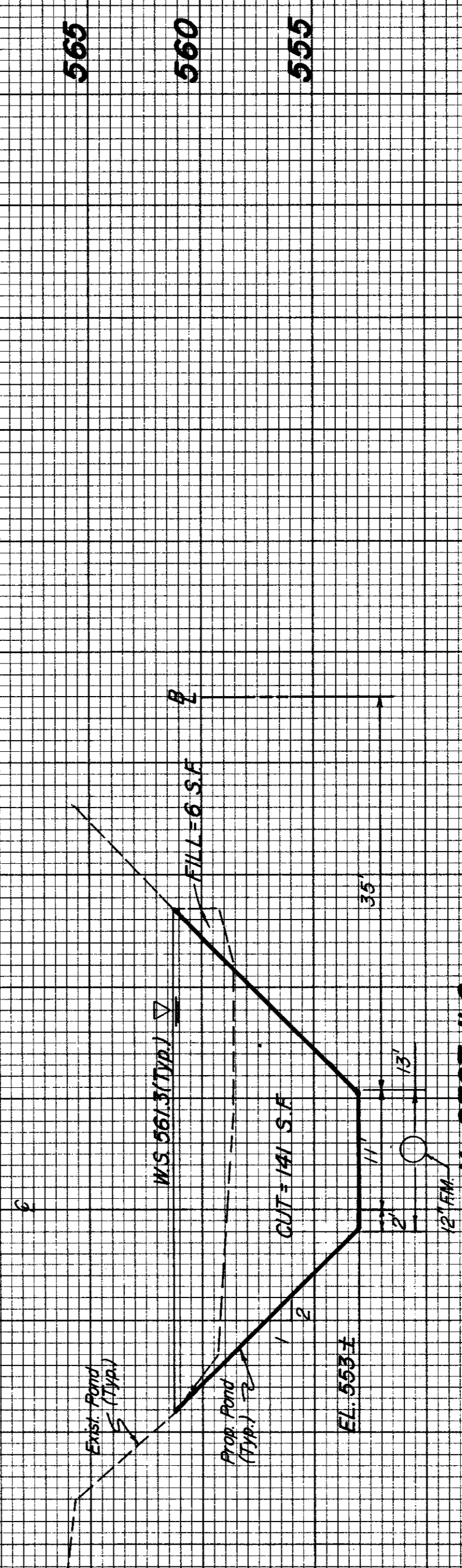
X-SECT. # 4

VOL = 143 C.Y.



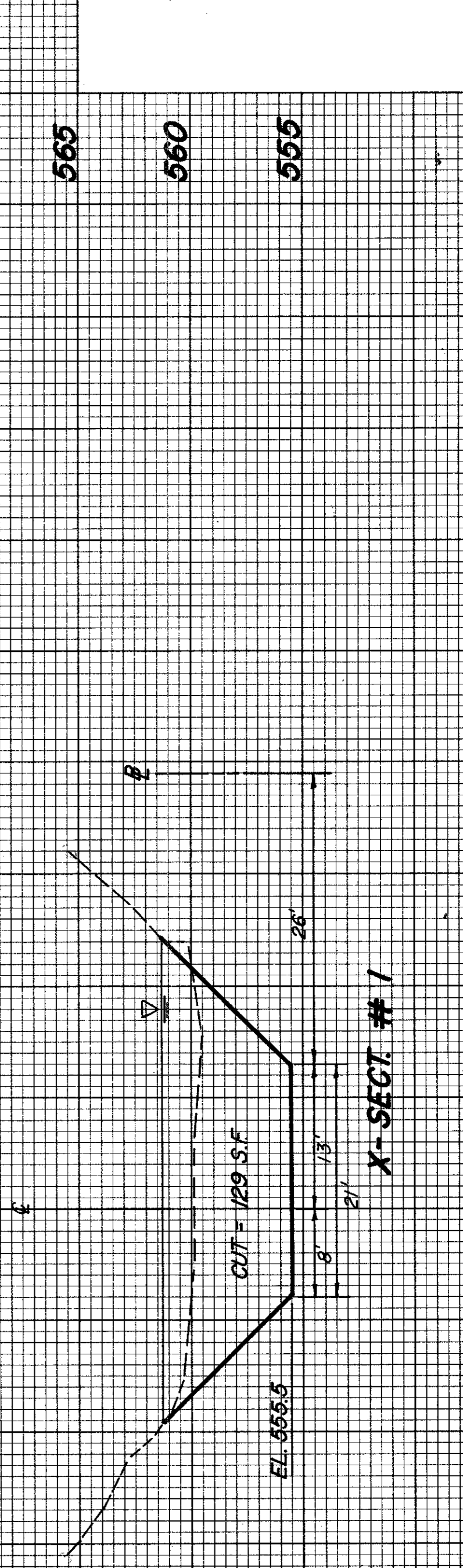
X-SECT. # 3

VOL = 150 C.Y.



X-SECT. # 2

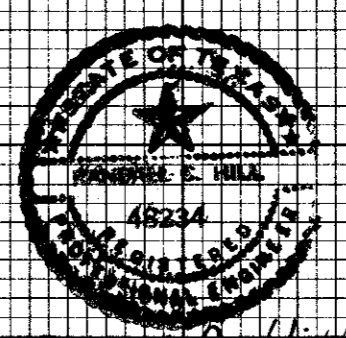
VOL = 150 C.Y.



X-SECT. # 1

VOL = 31 C.Y.

Note: Location of E has Changed



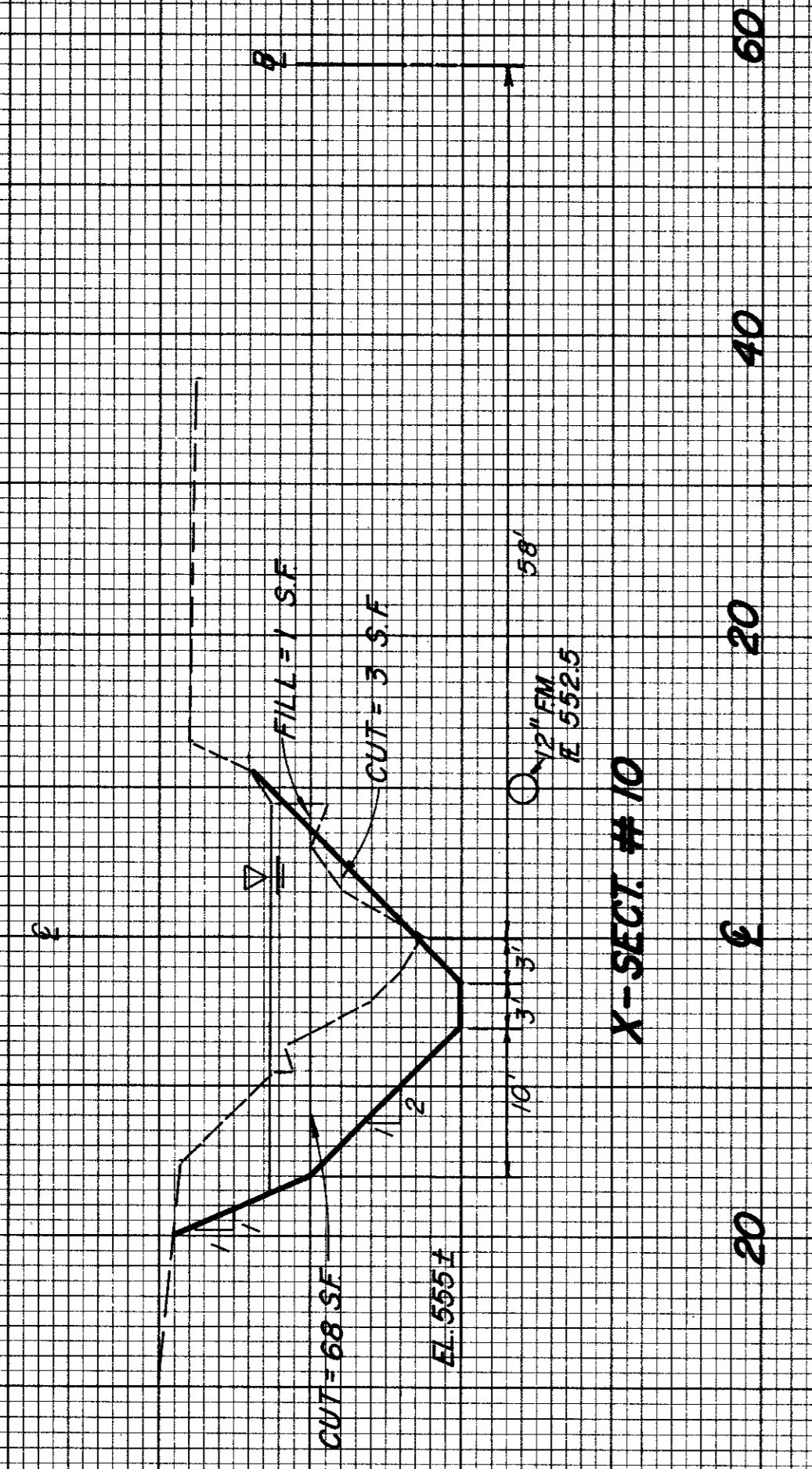
X-4

TOWN OF ADDISON DALLAS COUNTY, TEXAS CREEK SYSTEM IMPROVEMENTS CROSS-SECTIONS FINANCE CENTER GINN, INC. Consulting Engineers Dallas, Texas			
Designed - RCH	Drawn - RLO	Date - OCT., 1988	Job No. - 369
Approved - HWG	Checked - RCH	Scale - H: 1"=40', V: 1"=5'	Sheet 18 of 23

FINAL SURVEY
 SURVEYED, PLOTTED, NOTE BOOK, TEMPLATE, NO. AREAS CHECKED
 BY: DATE:

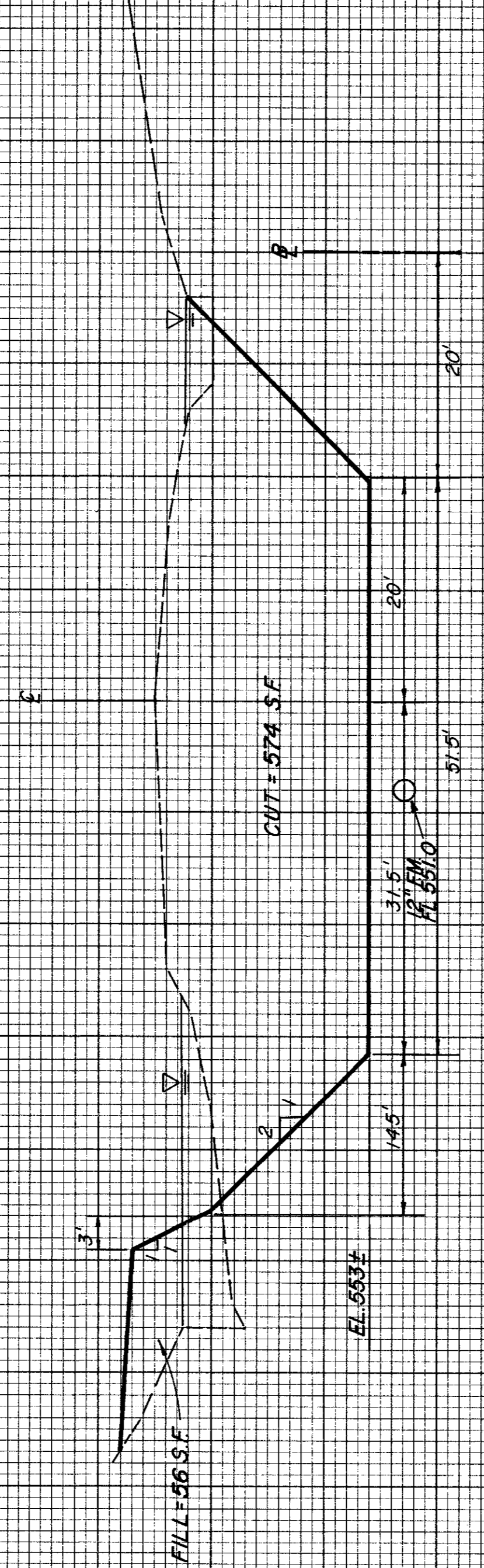
ORIGINAL SURVEY
 SURVEYED, PLOTTED, NOTE BOOK, TEMPLATE, NO. AREAS CHECKED
 BY: DATE:

VOL = 47 CY



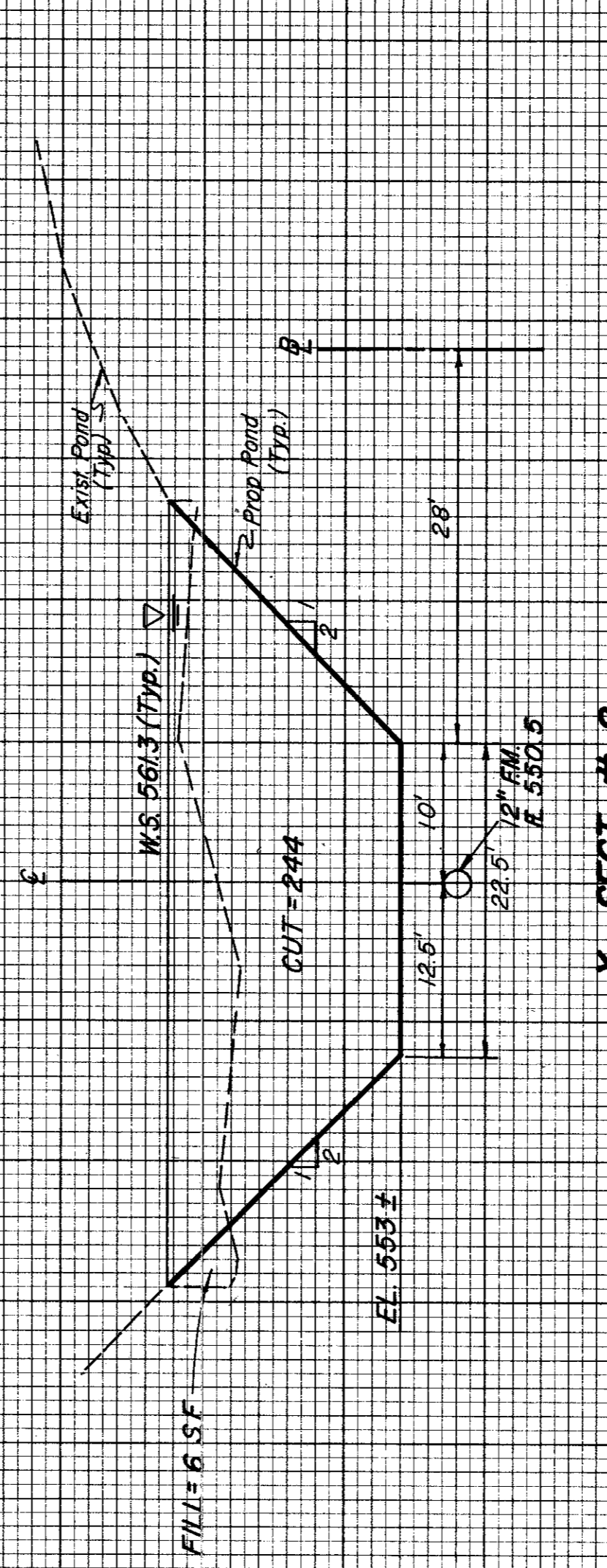
X-SECT. # 10

VOL = 860 C.Y.



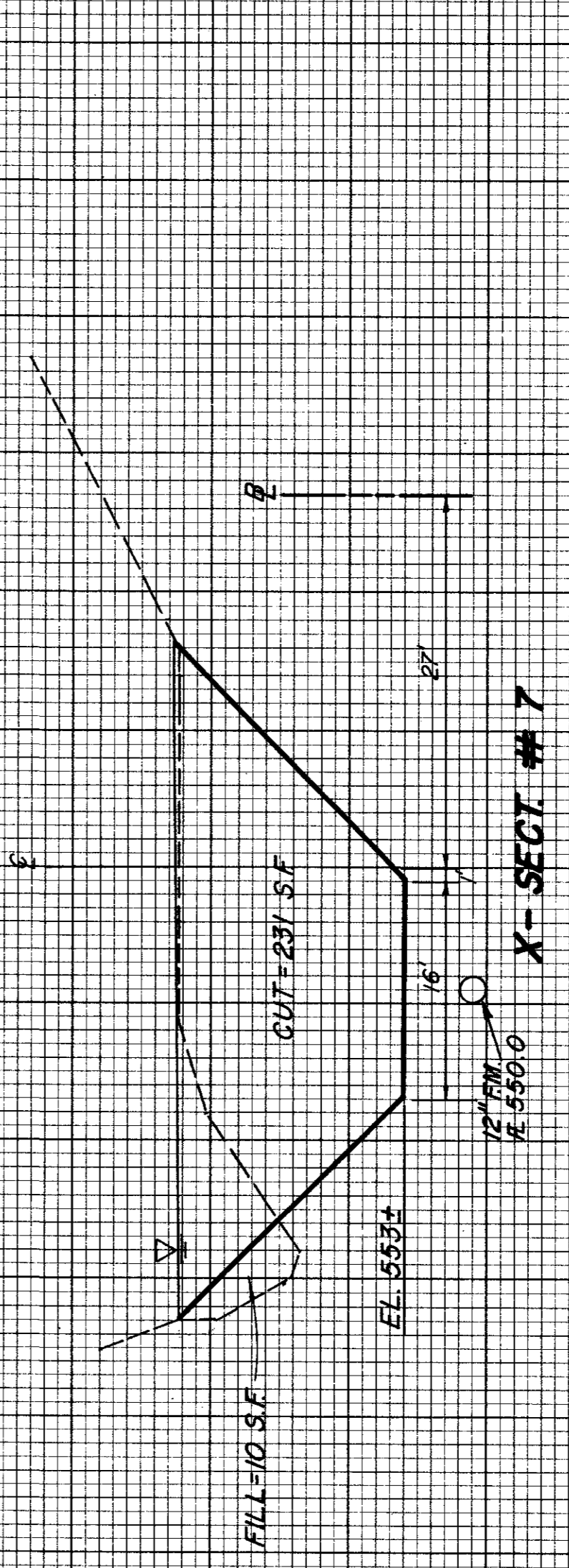
X-SECT. # 9

VOL = 530 C.Y.



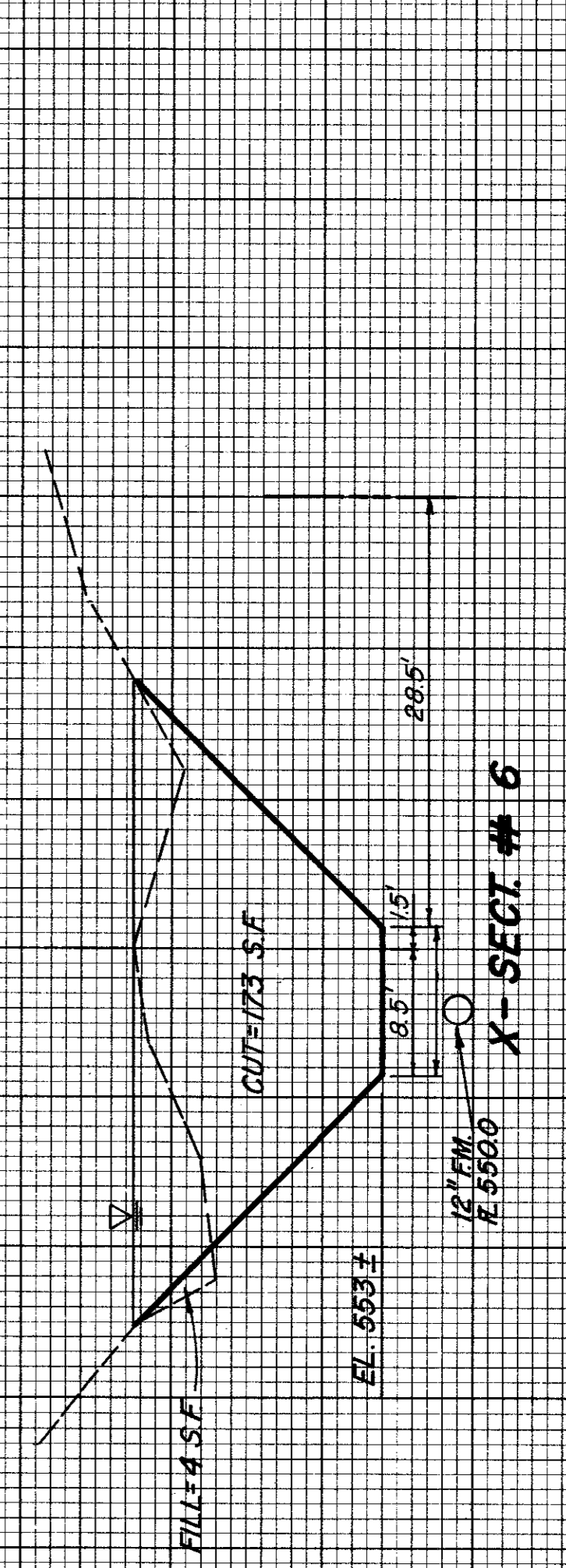
X-SECT. # 8

VOL = 235 C.Y.



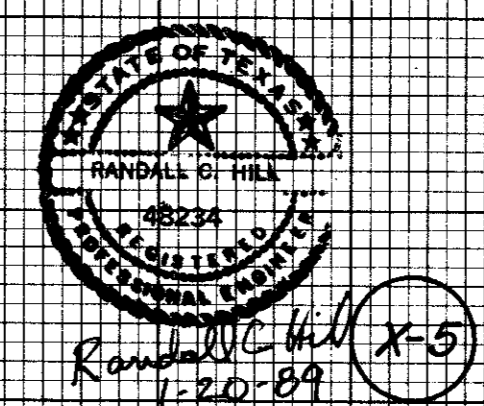
X-SECT. # 7

VOL = 224 C.Y.



X-SECT. # 6

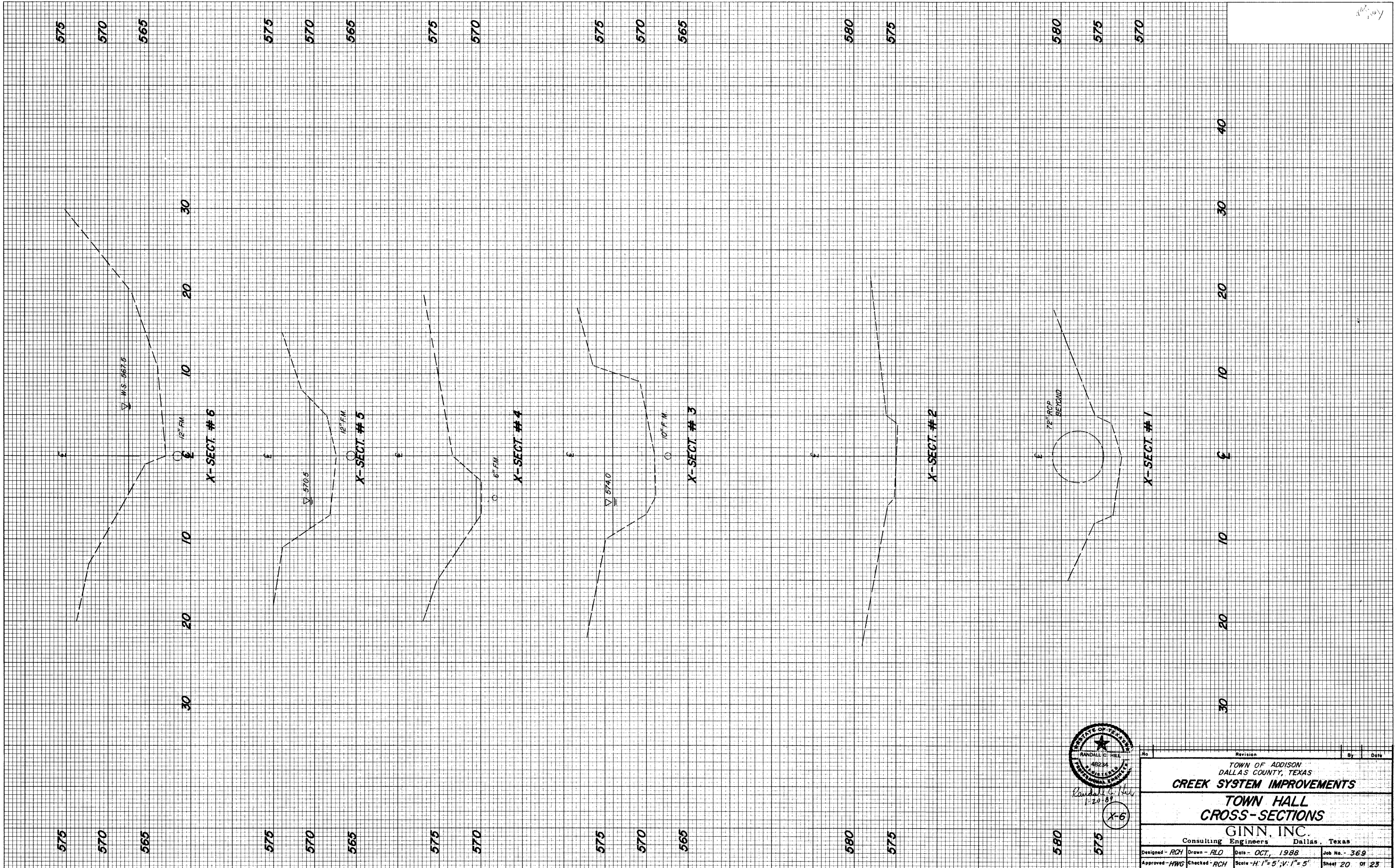
VOL = 109 C.Y.



Revision		By		Date	
TOWN OF ADDISON DALLAS COUNTY, TEXAS					
CREEK SYSTEM IMPROVEMENTS					
CROSS-SECTIONS					
FINANCE CENTER					
GINN, INC.					
Consulting Engineers Dallas, Texas					
Designed - RCH	Drawn - RLO	Date - OCT., 1988	Job No. - 389		
Approved - HWG	Checked - RCH	Scale - H: 1"=10'; V: 1"=5'	Sheet 19 of 23		

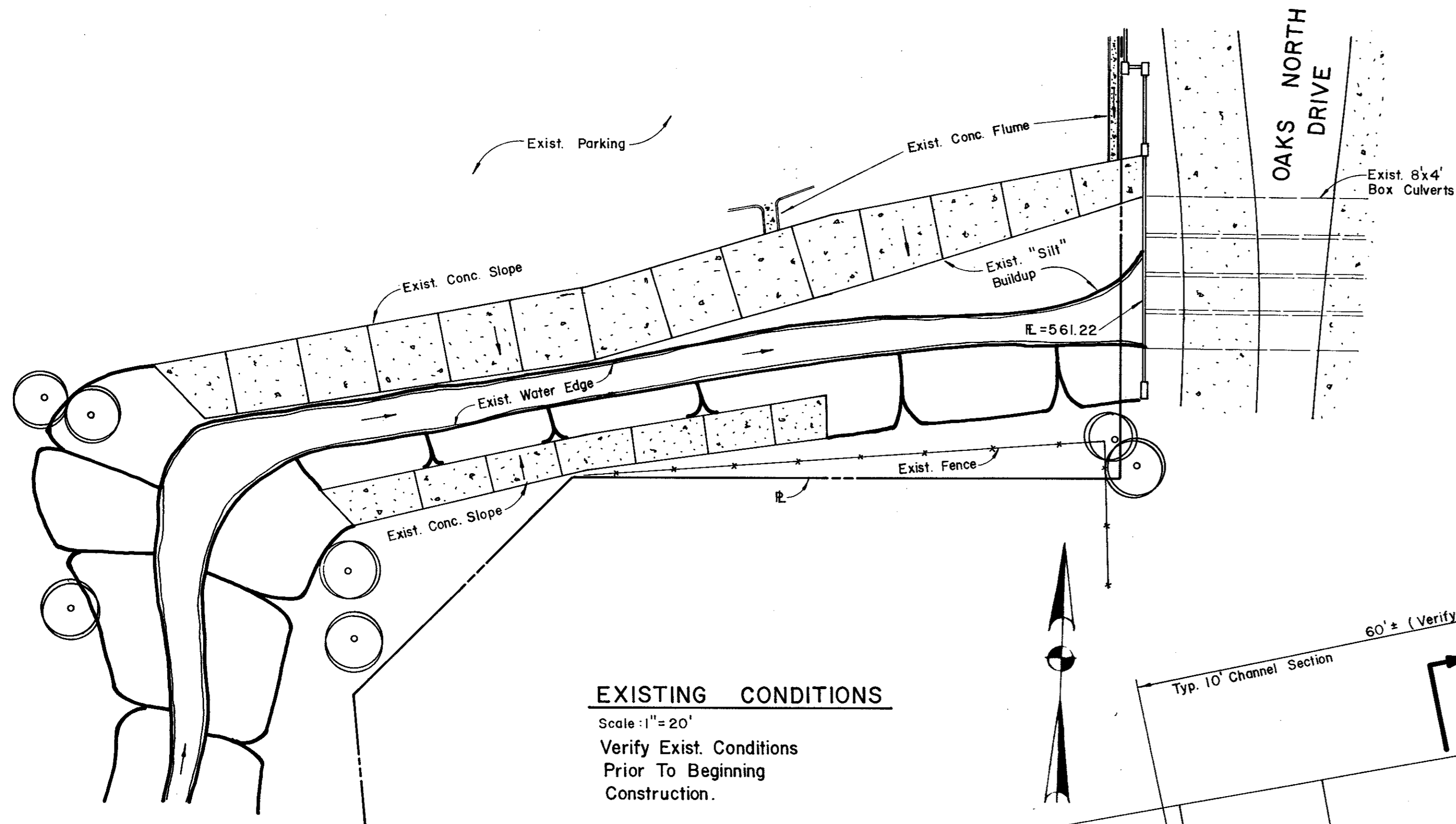
FINAL SURVEY BY DATE
 SURVEYED PLOTTED
 NOTE BOOK TEMPLATE
 NO. AREAS CHECKED

ORIGINAL SURVEY BY DATE
 SURVEYED PLOTTED
 NOTE BOOK TEMPLATE
 NO. AREAS CHECKED



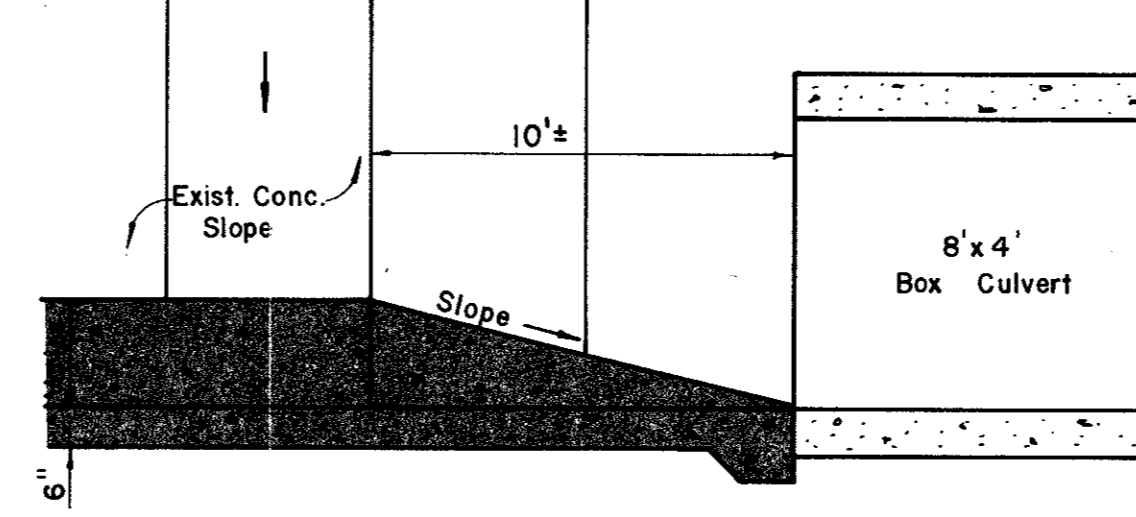
Randall G. Hill
 1-29-88
 X-6

Revision		By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS CREEK SYSTEM IMPROVEMENTS			
TOWN HALL CROSS-SECTIONS			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - RCH	Drawn - RLO	Date - OCT, 1988	Job No. - 369
Approved - HWG	Checked - RCH	Scale - H: 1" = 5'; V: 1" = 5'	Sheet 20 of 23



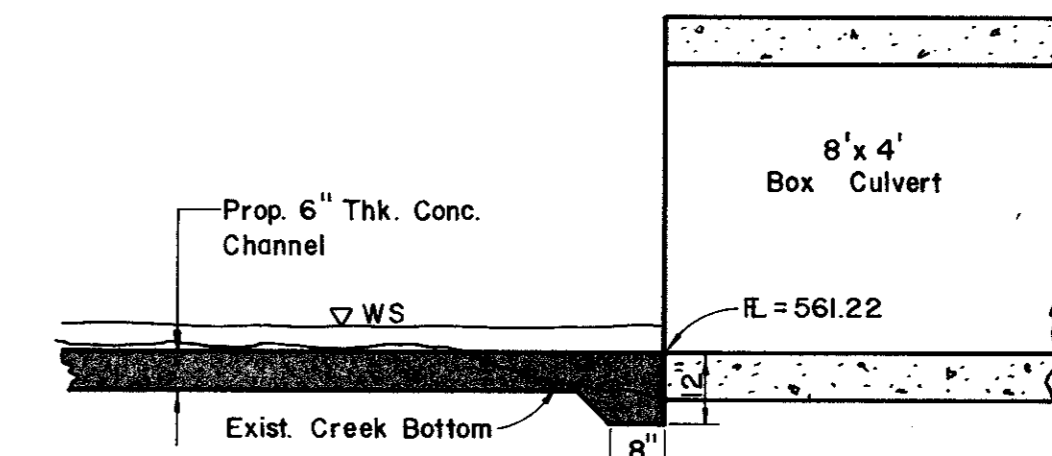
EXISTING CONDITIONS

Scale: 1" = 20'
 Verify Exist. Conditions
 Prior To Beginning
 Construction.



SECTION Y-Y

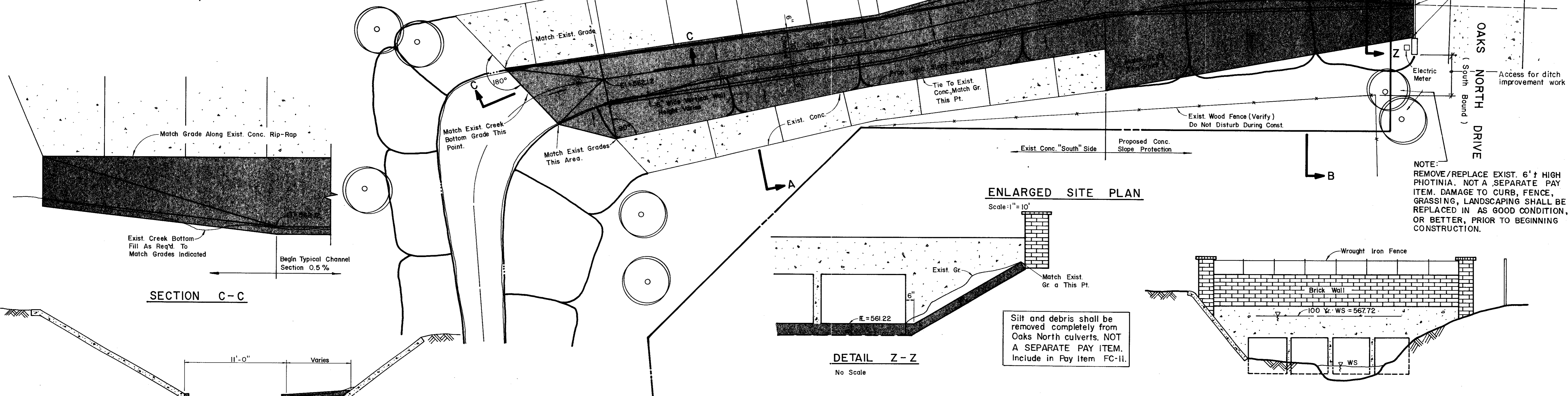
No Scale



SECTION X-X

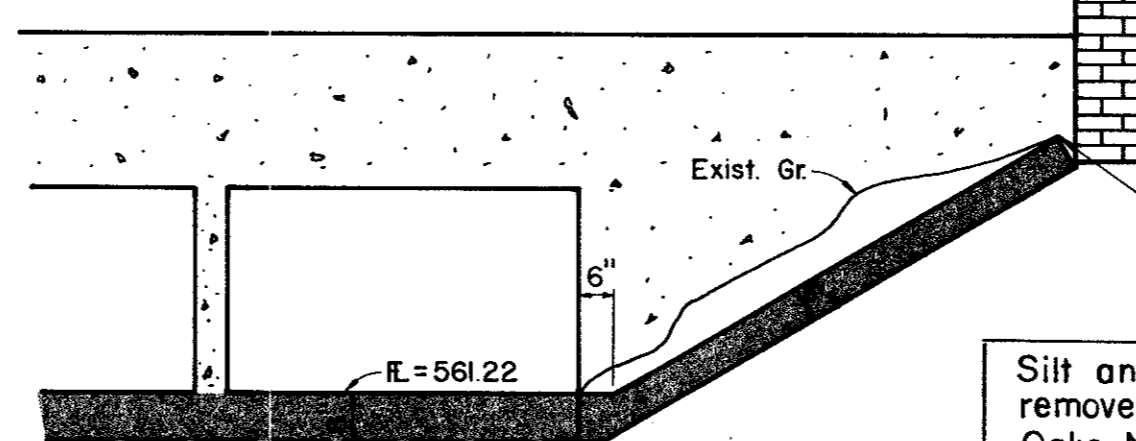
DETAIL AT BOX CULVERT

Scale: 3/8" = 1'



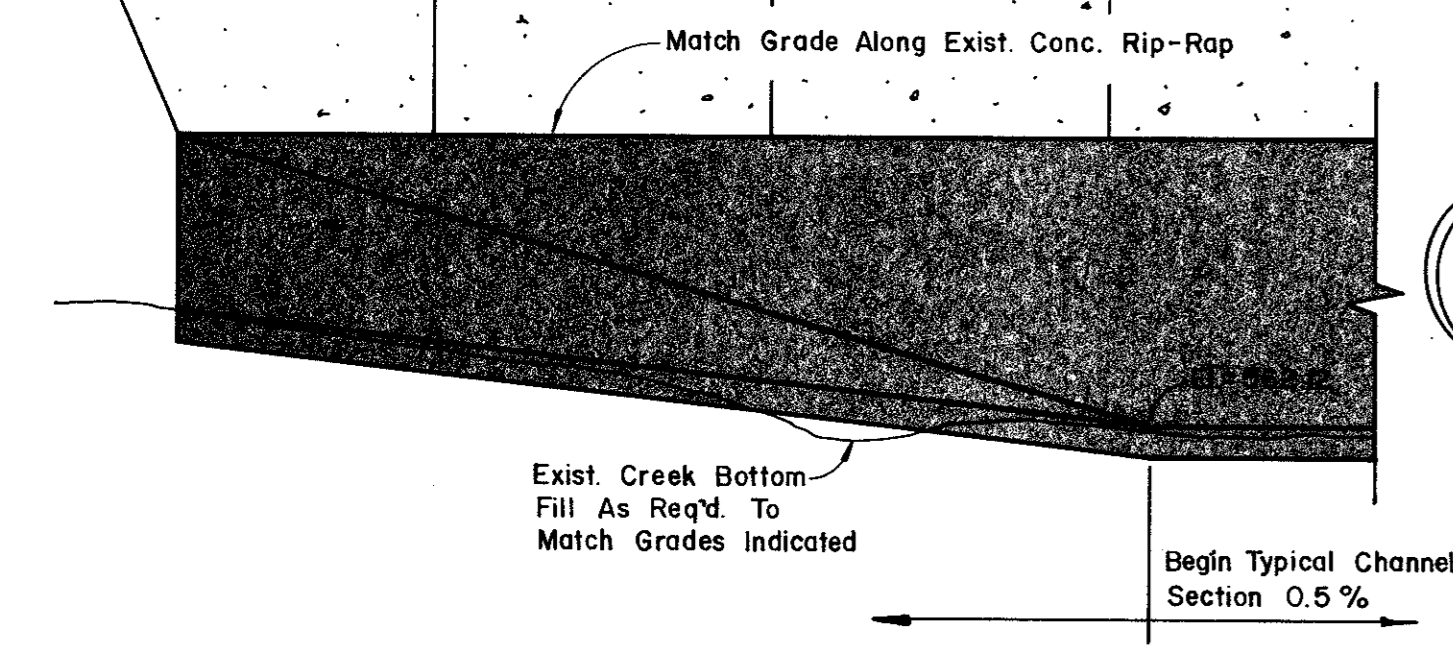
ENLARGED SITE PLAN

Scale: 1" = 10'

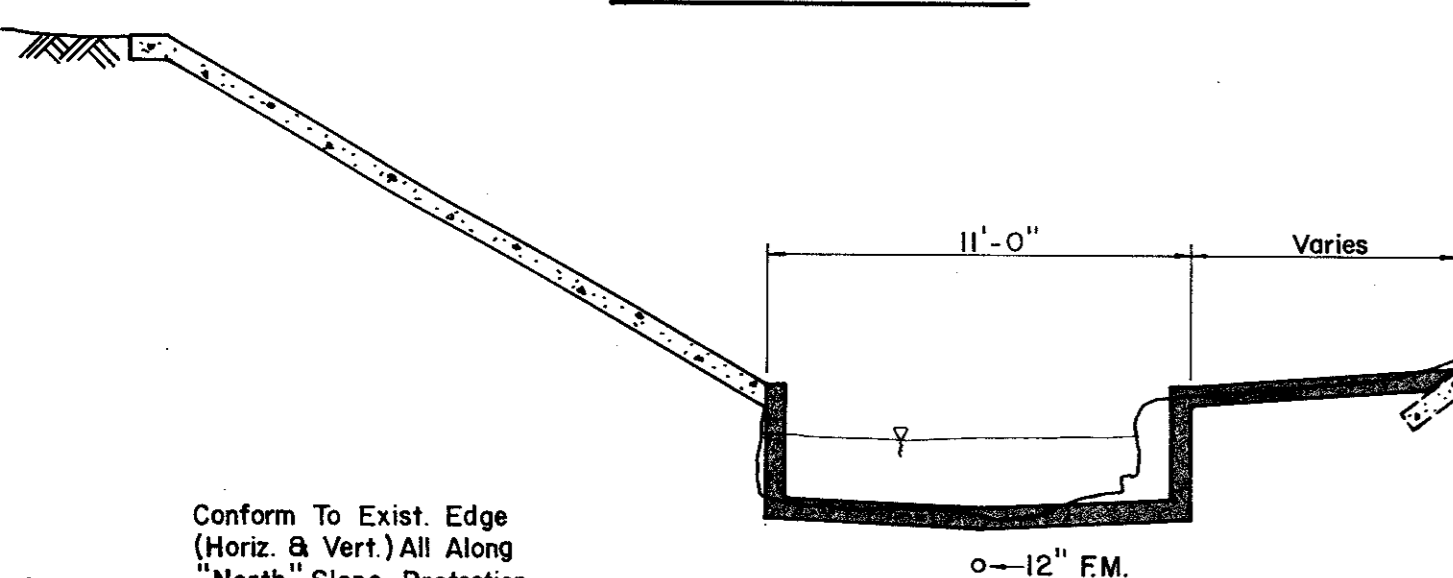


DETAIL Z-Z

No Scale

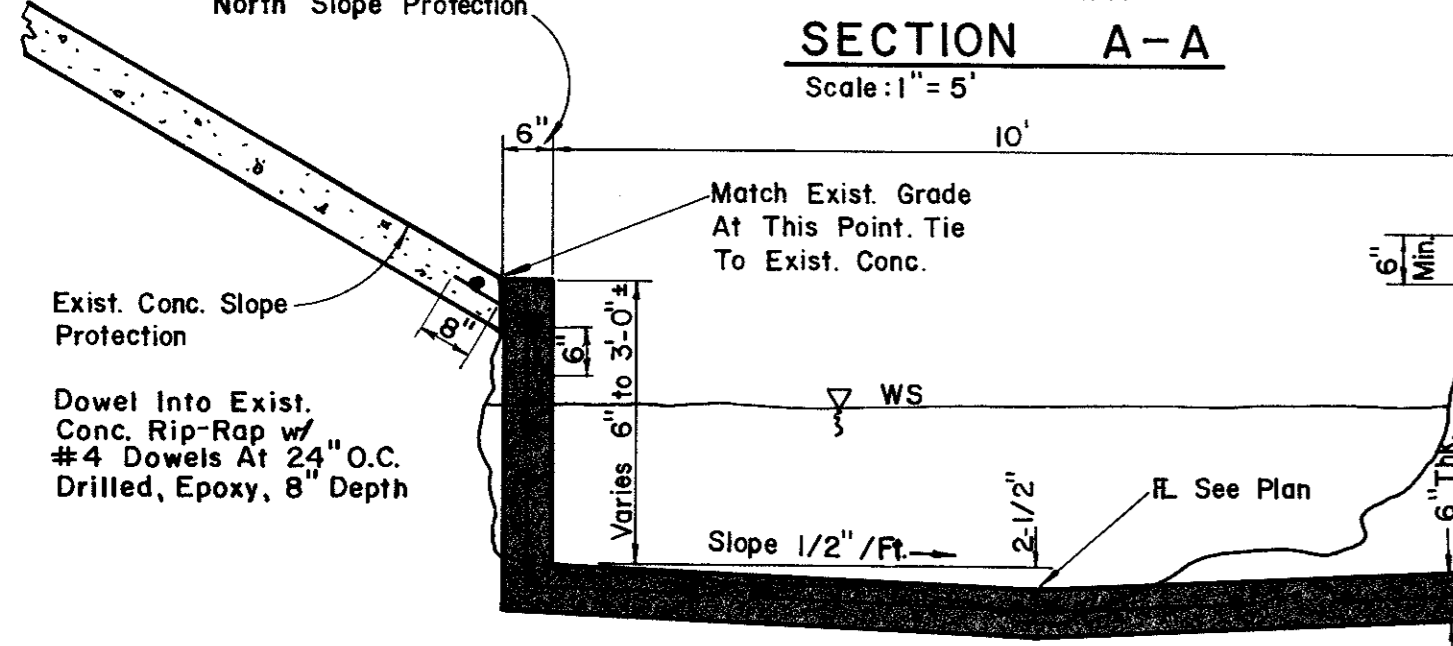


SECTION C-C



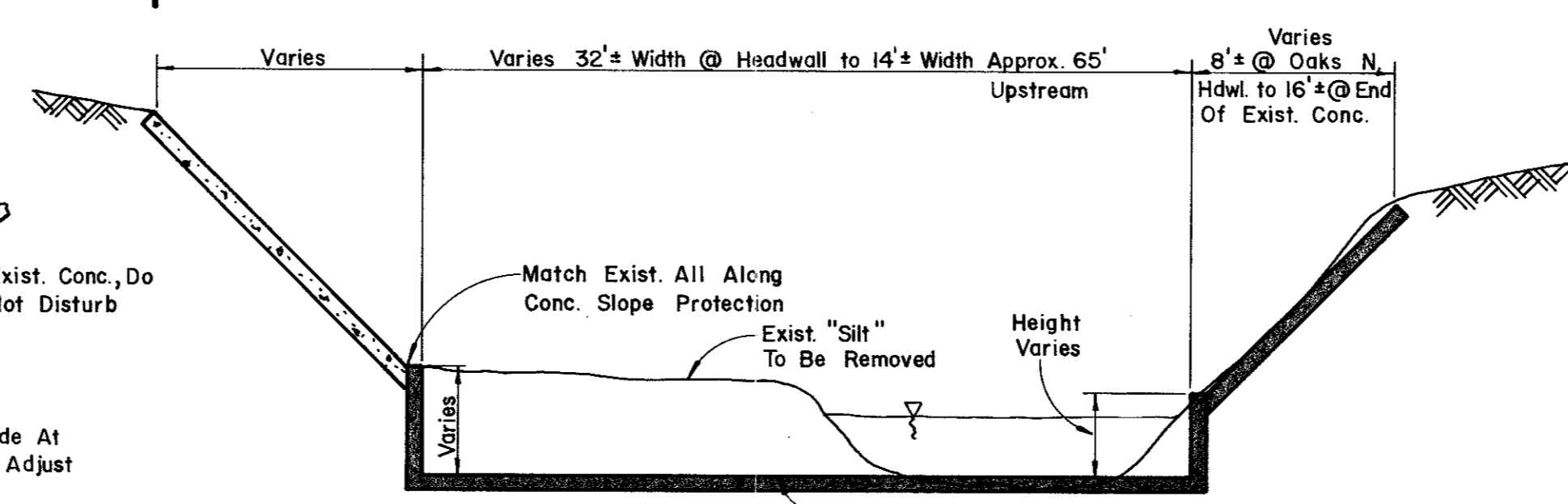
SECTION A-A

Scale: 1" = 5'



TYPICAL CHANNEL SECTION DETAIL

Scale: 1/2" = 1'-0"



SECTION B-B

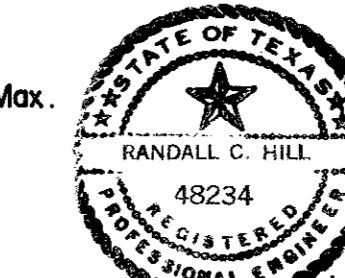
No Scale

EXIST. ELEVATION @ OAKS NORTH DRIVE

(Looking East) (For Ref. Only)

No Scale

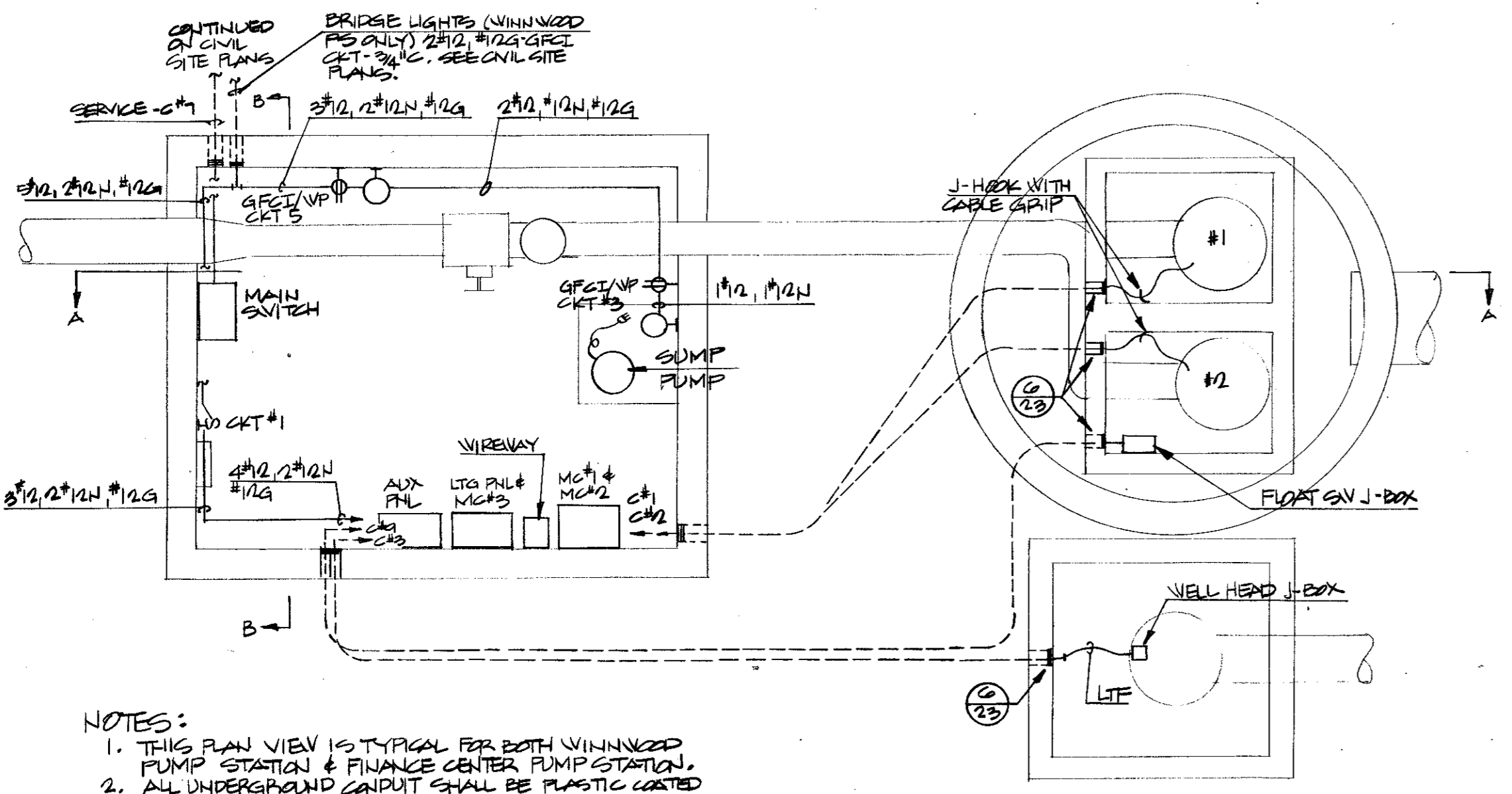
- NOTE:**
1. Provide 3/4" Exp. Joints a 40' Maximum Spacing. Use Redwood Material.
 2. Provide Construction Joints Max. 10' Spacing Each Way In All Conc.



Randall C. Hill
 1-20-89
 (ALT-1)

ADD ALTERNATE NO. 1

Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS CREEK SYSTEM IMPROVEMENTS TOWN HALL/OAKS NORTH DRIVE DITCH IMPROVEMENTS GINN, INC. Consulting Engineers Dallas, Texas		
Designed - AGF	Drawn - CL	Date - DEC. 1988
Approved - HWG	Checked - RCH	Scale - AS NOTED
Job No. - 369		Sheet 21 of 23

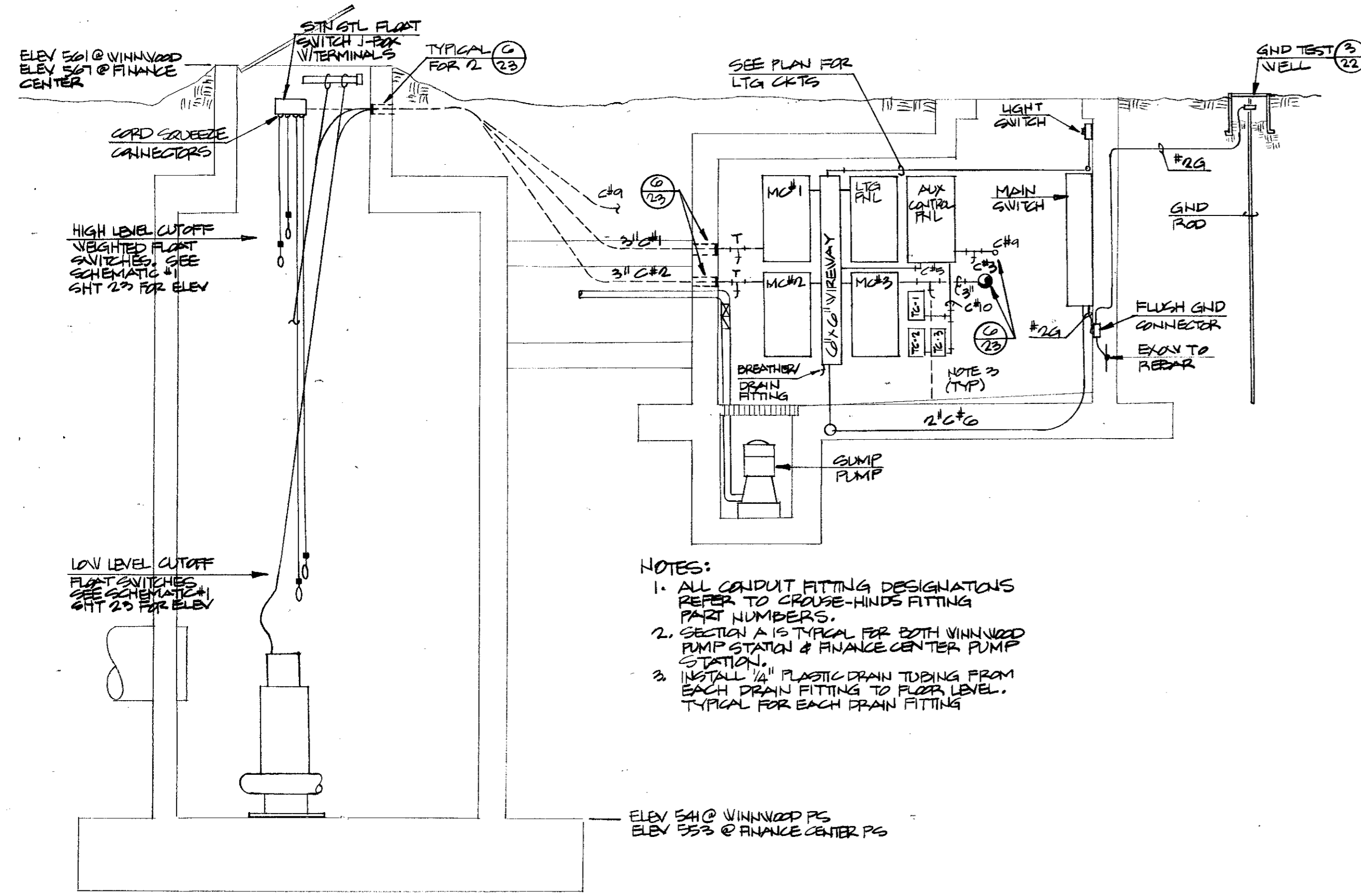


NOTES:
 1. THIS PLAN VIEW IS TYPICAL FOR BOTH WINWOOD PUMP STATION & FINANCE CENTER PUMP STATION.
 2. ALL UNDERGROUND CONDUIT SHALL BE PLASTIC COATED RIGID STEEL.

1 ELECTRICAL PLAN
 SCALE 3/8" = 1'-0"

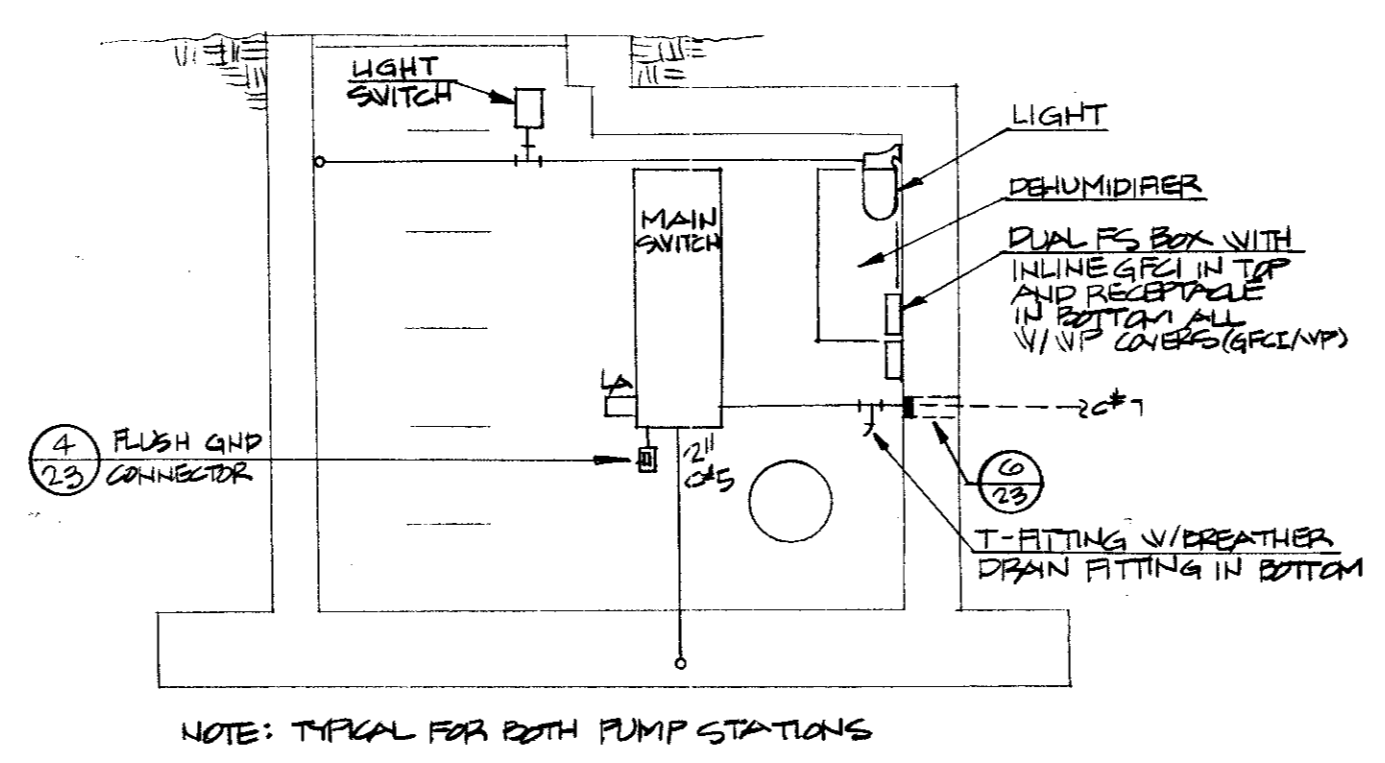
CONDUIT AND CABLE SCHEDULE		
CONDUIT TAG	WINWOOD PUMP STATION	FINANCE CENTER PUMP STATION
C # 1	PMP MFR CABLES 3" C	PMP MFR CABLES 3" C
C # 1N	3 #6, #8G, 1" C 3 #10, #10N, #10G 4 #14 CONTROL	3 #6, #8G, 1" C 3 #10, #10N, #10G 4 #14 CONTROL
C # 2	PMP MFR CABLES, 3"C	PMP MFR CABLES, 3"C
C # 2N	3 #6, #8G, 1" C 4 #14 CONTROL	3 #6, #8G, 1" C 4 #14 CONTROL
C # 3	PMP MFR CABLES, 3"C	PMP MFR CABLES, 1-1/2" C
C # 3N	3 #6, #8G, 1" C 4 #14 CONTROL	3 #6, #8G, 1" C 4 #14 CONTROL
C # 4	2 #3, #3N, #6G, 1"C	2 #3, #3N, #6G, 1"C
C # 5	3 #10, #10 N, #10 G, 1"C & 6 #14, #14 G (2 CONTROL WIRES TO EACH MC)	3 #10, #10 N, #10G, 1"C & 6 #14, #14G (2 CONTROL WIRES TO EACH MC)
C # 6	3 #4/0, #3N, #4G 2"	3 #4/0, #3N, #4G 2"C
C # 7	3 #4/0, #3N, #4G 2"C	3 #4/0, #3N, #4G 2"C
C # 8	3 #4/0, #3N, 2"C	3 #4/0, #3N, 2"C
C # 9	8 #14, #14G 1"C	8 #14, #14G 1"C
C # 10	1 #14, #14N, #14G AND 2 #14, FOR CONTROL TO EACH TIME CLOCK	1 #14, #14N, #14G AND 2 #14, FOR CONTROL TO EACH TIME CLOCK

LEGEND	
BELOW GRADE WIRING	CURRENT TRANSFORMER
EXPOSED WIRING	BOLT INTO DRILLED EXPANSION SHEILD
HOME RUN-HOT, NEUTRAL, EGC SHOWN	SWITCH MOUNTED IN SURFACE WALL BOX
MOTOR-SHP SHOWN	DUPLEX RECP IN SURFACE WALL BOX
CEILING MOUNTED LIGHT FIXTURE	REMOTE DEVICE
WALL MOUNTED LIGHT FIXTURE	FUSE
FLUORESCENT FIXTURE	GROUND
POLE FLOODLIGHT (2 LUMINAIRES SHOWN)	GROUND FAULT RELAY & CT
EMERGENCY LIGHT FIXTURE	OVERLOADS
PILOT LIGHT, RED SHOWN	SAFETY SWITCH
MOTOR CONTROLLER (STARTER)	FUSED SAFETY SWITCH
NORMALLY CLOSED CONTACTS	SAFETY SWITCH WITH CIRCUIT BREAKER
NORMALLY OPEN CONTACTS	THERMOSTAT (AS USED ON PLANS)
LIMIT SWITCH-NORMALLY OPEN SHOWN	CONDUIT RISE
MOMENTARY OFF PUSHBUTTON	CONDUIT DROP
MOMENTARY ON PUSHBUTTON	CONTACTOR COIL
MAINTAINED PUSHBUTTON	CIRCUIT BREAKER
VOLTMETER	SURGE CAPACITOR
VOLTMETER WITH PHASE SELECTOR SWITCH	LIGHTNING ARRESTER
AMMETER	JUNCTION BOX
AMMETER WITH PHASE SELECTOR SWITCH	TIMED CONTACTS
PRESSURE SWITCH	THERMOSTAT (AS USED ON DIAGRAMS)
FLOW SWITCH	LIQUID LEVEL SWITCH
DRAW-OUT CONTACTS	TRANSFORMER
DUPLEX RECEPTACLE	PHASE OR DIAMETER
SPECIAL OUTLET	TELEPHONE OUTLET
FLUSH FLOOR RECEPTACLE	FLUSH FLOOR TELEPHONE OUTLET
T-FITTING	WEATHER DRAIN FITTING
TA-FITTING	FIELD TERMINAL
AFB ABOVE FINISHED FLOOR	MIV MOTORIZED INTAKE VENT
LA LIGHTNING ARRESTER	LS LIMIT SWITCH
EC EMPTY CONDUIT	FVNR FULL VOLTAGE NON-REVERSING
PB PUSHBUTTON	RVNR REDUCED VOLTAGE NON-REVERSING
HOA HAND-OFF-AUTOMATIC SELECTOR SWITCH	GFP GROUND FAULT PROTECTION
LTF LIQUID TIGHT FLEXIBLE CONDUIT	GFPI GROUND FAULT CIRCUIT INTERRUPTER
RPO REMOTE PILOT OPERATOR	CPT CONTROL POWER TRANSFORMER
HDB HOT DIP GALVANIZED	Cu COPPER
EGC EQUIPMENT GROUNDING CONDUCTOR	EOEH ELECTRICALLY OPERATED ELECTRICALLY HELD
MCP MOTOR CIRCUIT PROTECTOR	EOMH ELECTRICALLY OPERATED MECHANICALLY HELD
BFP BLOWN FUSE PROTECTION	PC PHOTOCELL
ETM ELAPSED TIME METER	ICTO INSTANT CLOSE, TIMED OPEN
MSP MAIN SERVICE PANEL	TCIO TIMED CLOSE, INSTANT OPEN
HDW HARDWARE	NOTC NORMALLY OPEN, TIMED CLOSE
HH HANDHOLE	CT CURRENT TRANSFORMER
STN STN STAINLESS STEEL	OLS OVERLOADS
CKT CIRCUIT	DES DRILLED EXPANSION SHEILD
BKKT BRACKET	ASC ALUMINUM SLOTTED CHANNEL
MBO MOTORIZED BACKDRAFT DAMPER	CONC CONCRETE
MV MERCURY VAPOR	PWR POWER
WPS HIGH PRESSURE SODIUM	EXP EXPANSION/DEFLECTION
S/S SAFETY SWITCH	WTO MOUNTED
S SPST SWITCH	NO NORMALLY OPEN
S ₁ SPST SWITCH	NC NORMALLY CLOSED
S ₂ SPST SWITCH	COND CONDUIT
S ₃ SPST SWITCH	EF EXHAUST FAN
S ₄ SWITCH WITH PILOT LIGHT	LLCO LOW LEVEL CUT OFF
S ₅ MANUAL MOTOR STARTER	ALUM ALUMINUM
N/P NAME PLATE	S/N SOLID NEUTRAL
DC ON CENTER	XFR TRANSFORMER
WP WEATHER PROOF	XMTX TRANSMITTER
RECP RECEPTACLE	XPR TRANSFER
RTD REMOTE TEMPERATURE DETECTOR	GND GROUND, GROUNDING, GROUNDED
EXOW EXOTHERMIC WELD	PVC POLYVINYL CHLORIDE
PCC PLASTIC COATED CONDUIT	SWGR SWITCHGEAR
ZRC ZINC RICH COMPOUND	RECR RECEIVER
CR CONTROL RELAY	FLA FULL LOAD AMPERAGE
BRG BEARING	MCC MOTOR CONTROL CENTER
PHL PANEL	HTG HEATING
SCH SCHEDULE	TYP TYPICAL
PMT PAD MOUNTED TRANSFORMER	FDR FEEDER
SZ SIZE	MFR MANUFACTURER
SW SWITCH	TDR TIME-DELAY RELAY
RPO REMOTE PILOT DEVICE	SF SUPPLY FAN
HD HIGH INTENSITY DISCHARGE	HTR HEATER
LPS LOW PRESSURE SODIUM	ITR INDICATE, TOTALIZE, RECORD
MH METAL HALIDE	DBL DOUBLE
LT LIGHT	GP PHASE PROTECTION
MLO MAIN LOSS ONLY	UH UNIT HEATER
MTR MOTOR	UB UNDERGROUND
N NEUTRAL	
MC MOTOR CONTROLLER	
(23) DETAIL REFERENCE - TOP #	
(24) INDICATES DETAIL - BOTTOM #	
(25) INDICATES SHEET #	

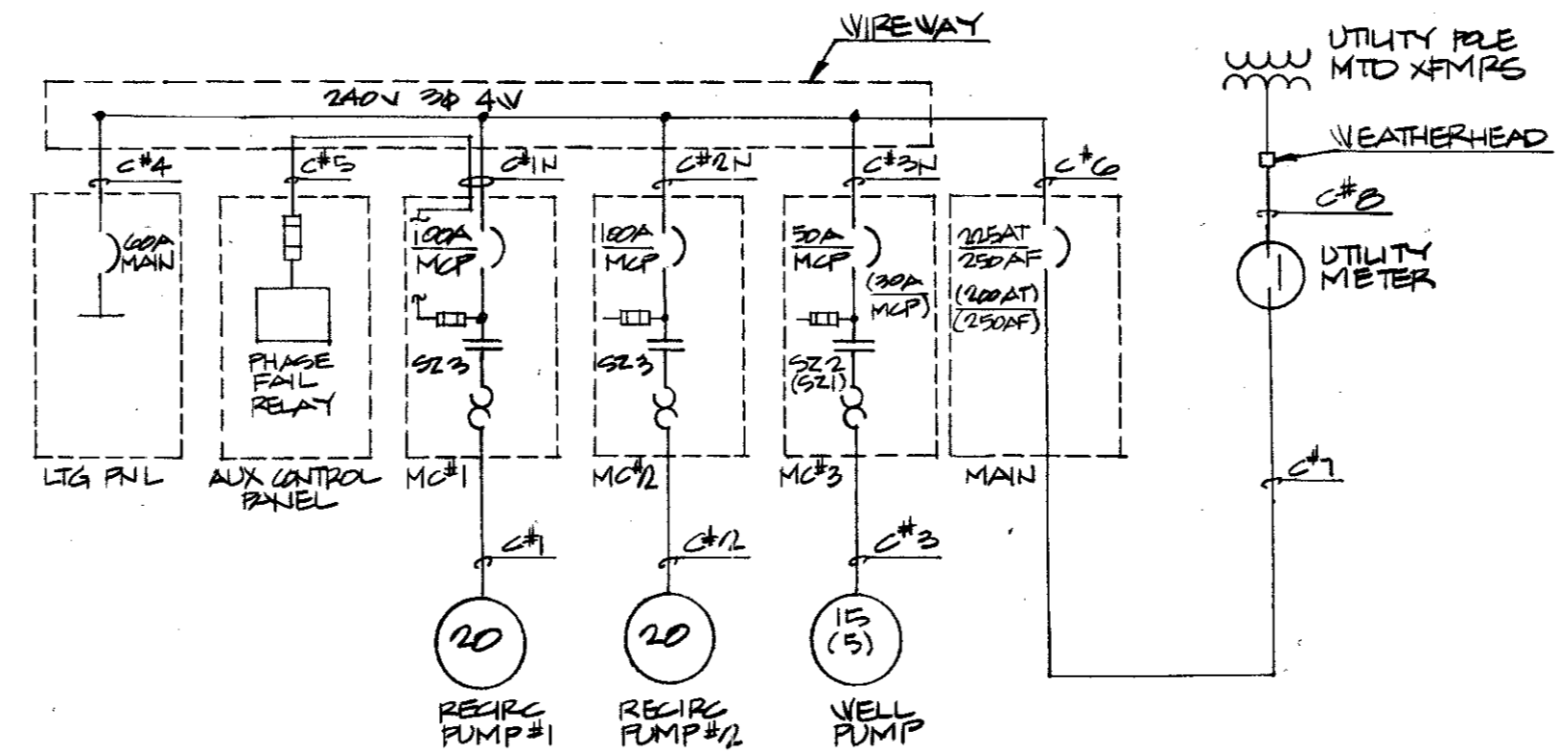


NOTES:
 1. ALL CONDUIT FITTING DESIGNATIONS REFER TO CROUSE-HINDS FITTING PART NUMBERS.
 2. SECTION A IS TYPICAL FOR BOTH WINWOOD PUMP STATION & FINANCE CENTER PUMP STATION.
 3. INSTALL 1/2" PLASTIC DRAIN TUBING FROM EACH DRAIN FITTING TO FLOOR LEVEL. TYPICAL FOR EACH DRAIN FITTING.

2 SECTION A
 SCALE 3/8" = 1'-0"

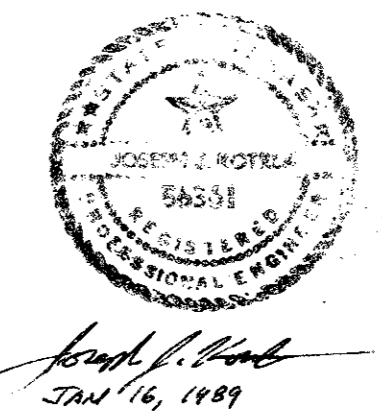


3 SECTION B
 SCALE 3/8" = 1'-0"

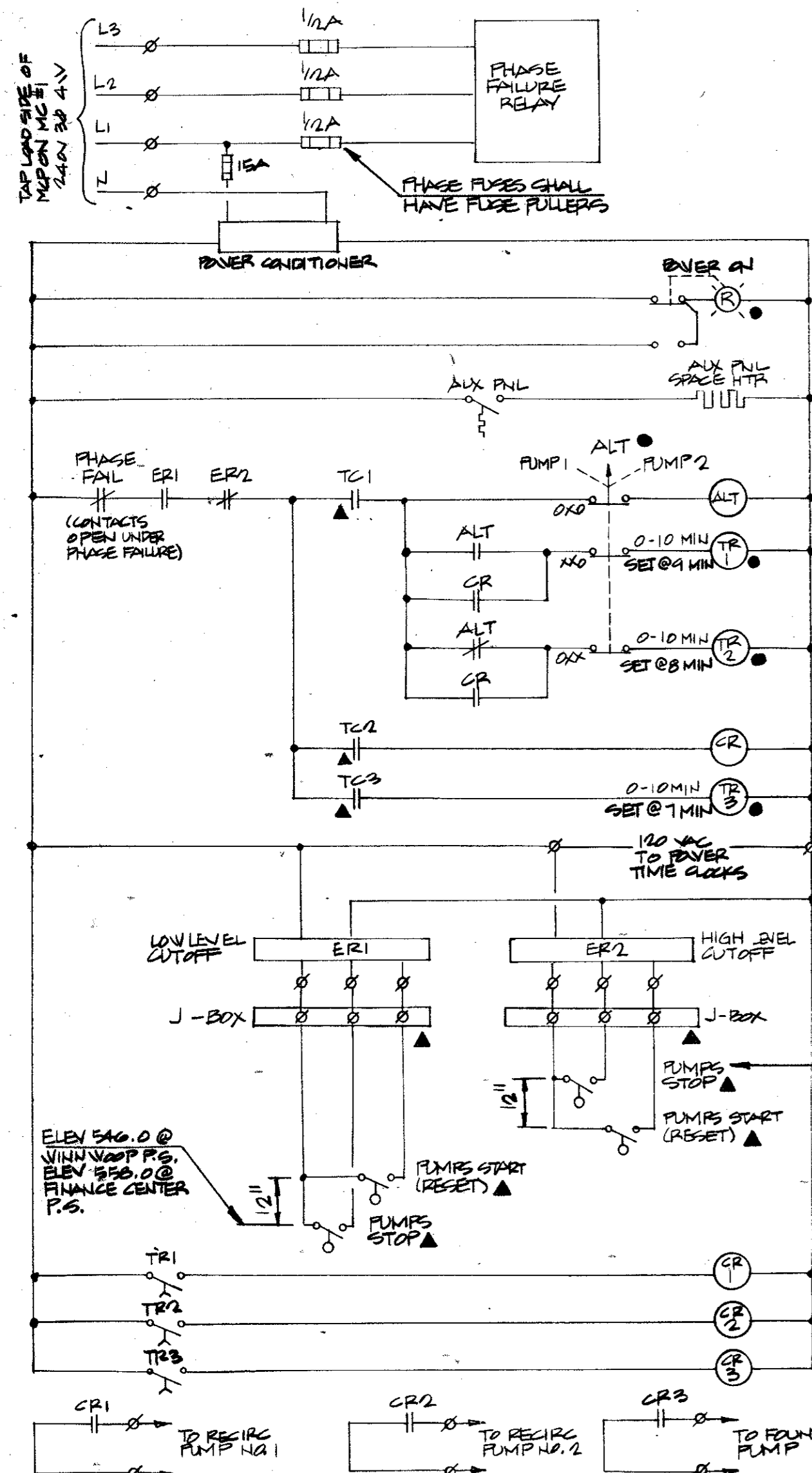


4 ONE LINE DIAGRAM

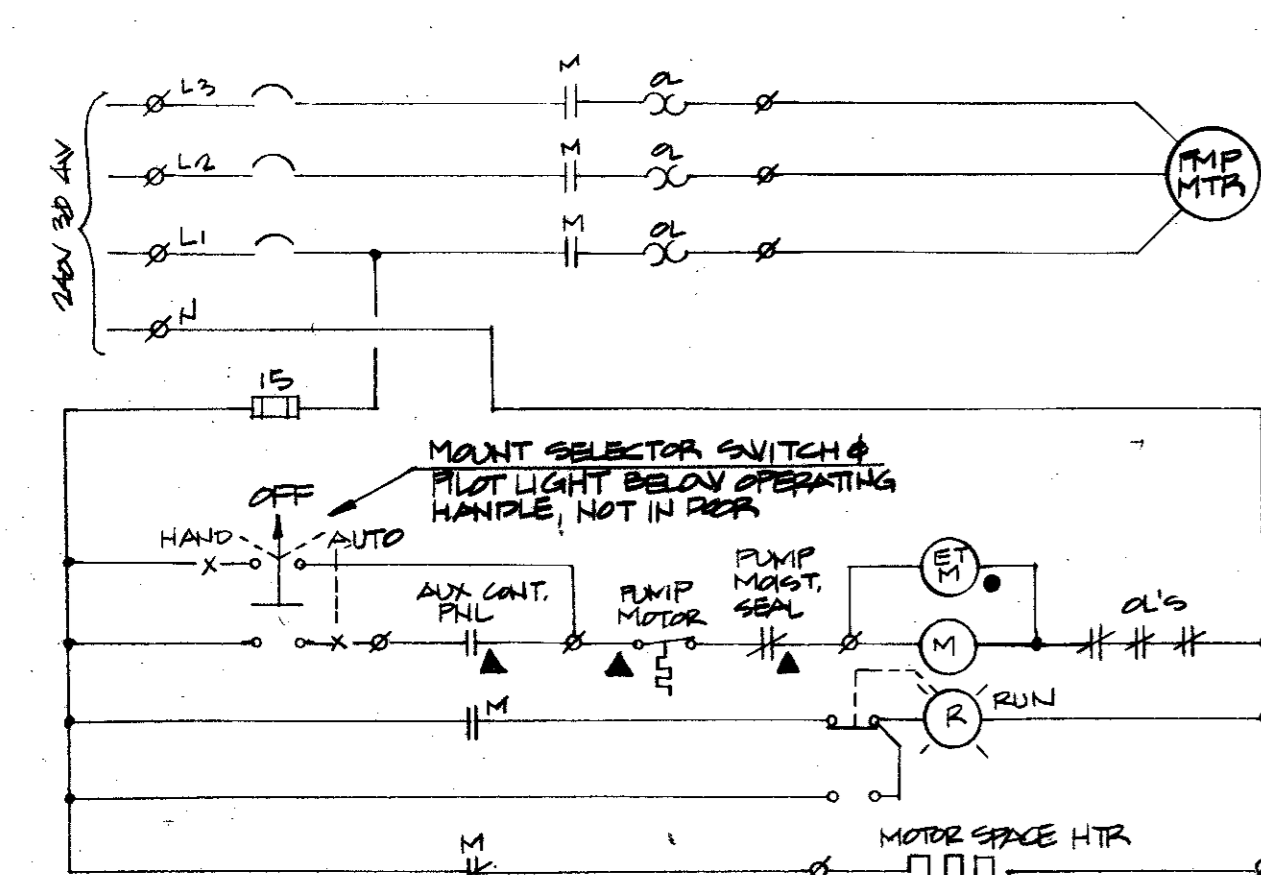
NOTES:
 1. ONE LINE DIAGRAM SHOWN IS TYPICAL FOR BOTH WINWOOD PUMP STATION & FINANCE CENTER PUMP STATION. WELL PUMP IS SHIP AT WINWOOD & SHIP AT FINANCE CENTER PUMP STATION. RATING FOR MCB'S & MAIN SW ARE SHOWN IN PARALLELS FOR FINANCE CENTER PUMP STATION. FURNISH & INSTALL ALL ELECTRICAL EQUIPMENT FOR BOTH PUMP STATIONS.



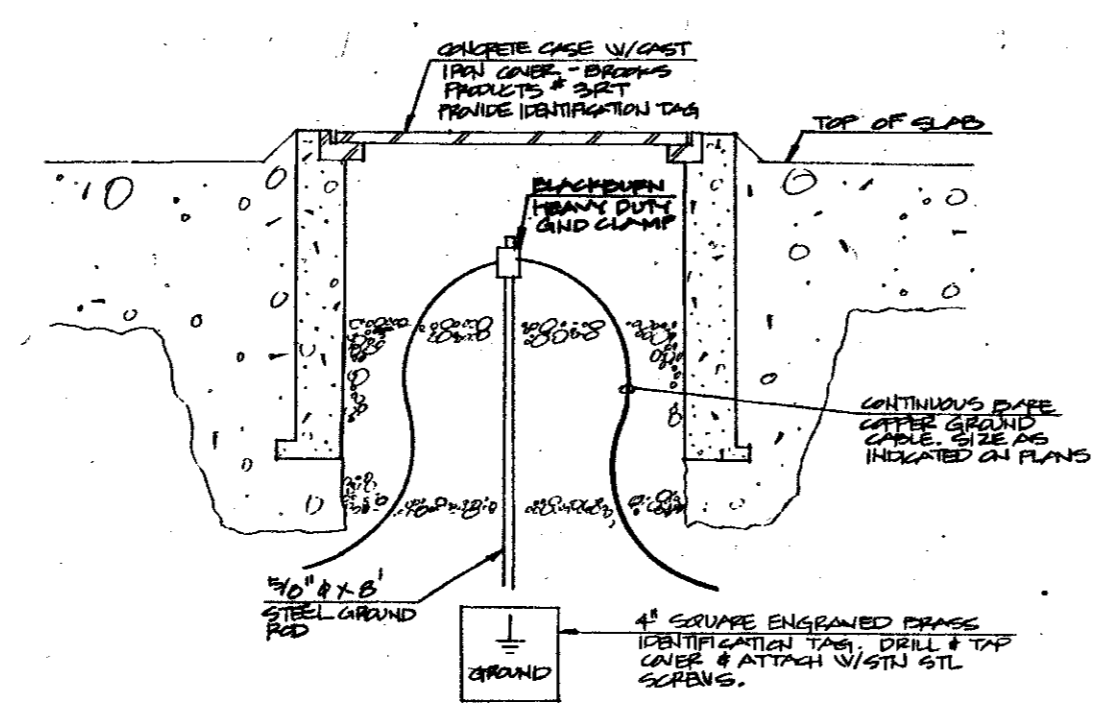
No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS CREEK SYSTEM IMPROVEMENTS ELECTRICAL TYPICAL PUMP STATION GINN, INC. Consulting Engineers Dallas, Texas			
Designed - JK	Drawn - JW	Date - DEC., 1988	Job No. - 369
Approved - JK	Checked - JK	Scale - 3/8" = 1'-0"	Sheet 22 of 23



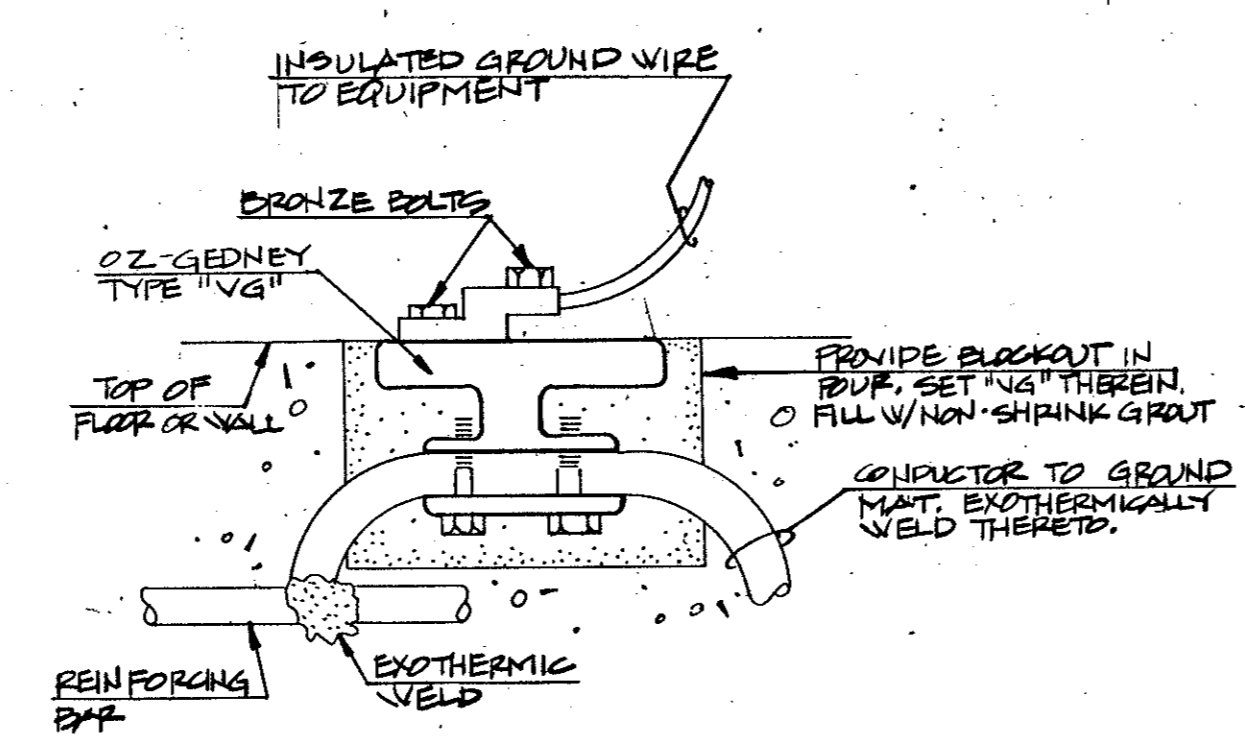
1 AUXILIARY CONTROL PANEL SCHEMATIC



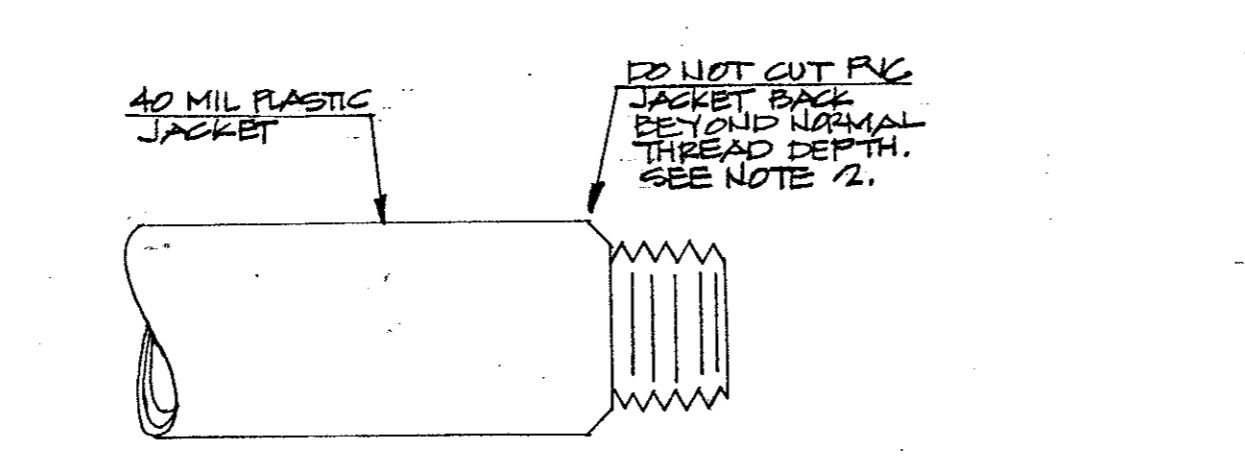
2 PUMP STARTER CONTROL SCHEMATIC



3 GROUND ROD & WELL
NO SCALE

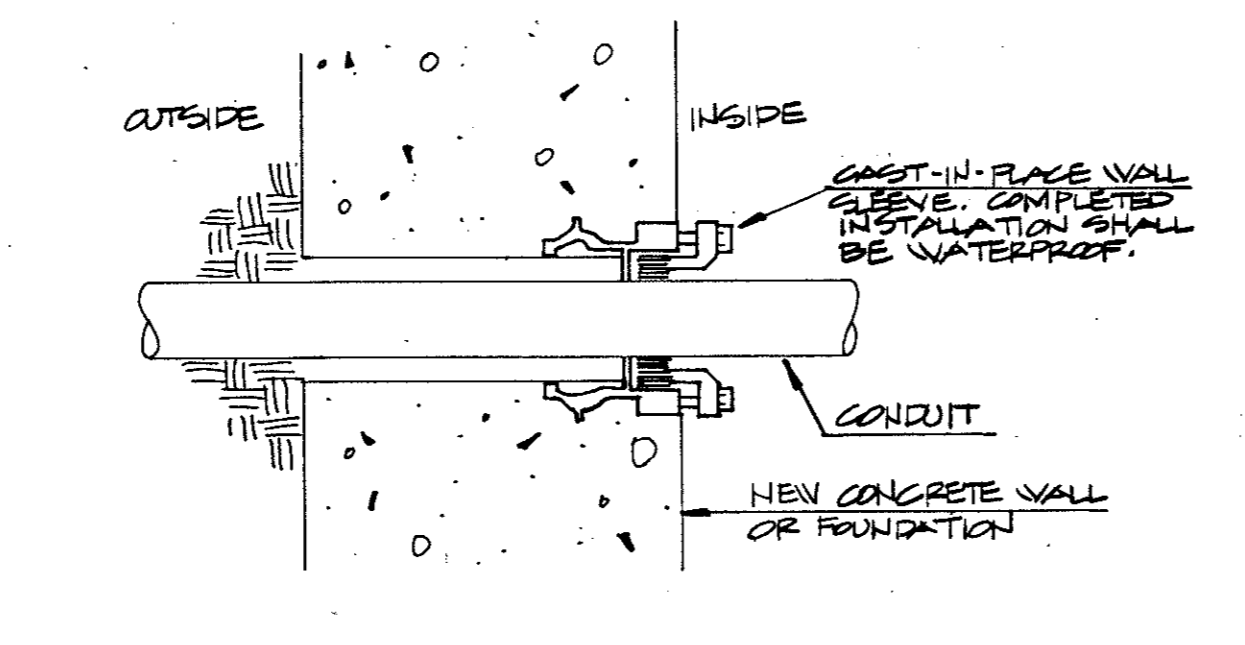


4 IN-SLAB GROUNDING CONNECTOR
NO SCALE

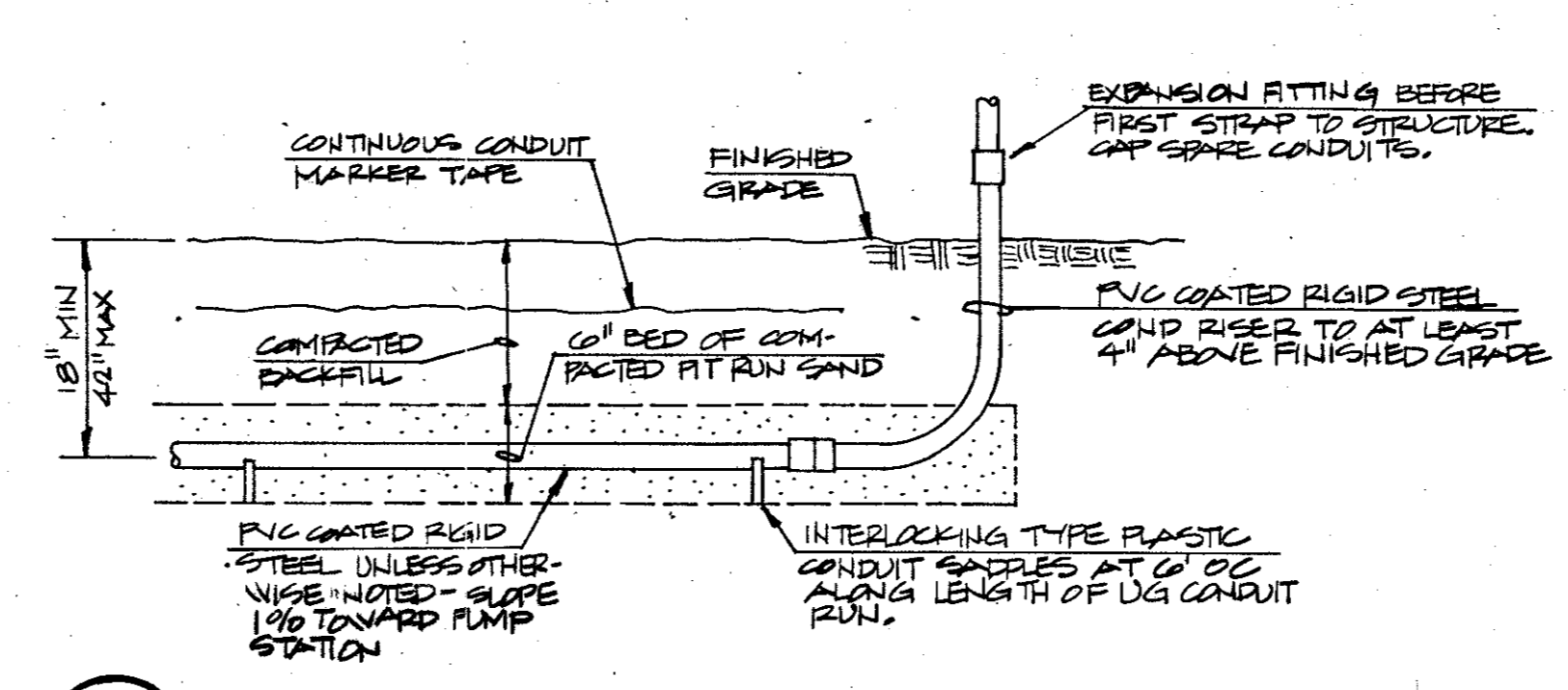


5 FIELD THREADING OF PVC COATED METALLIC CONDUIT

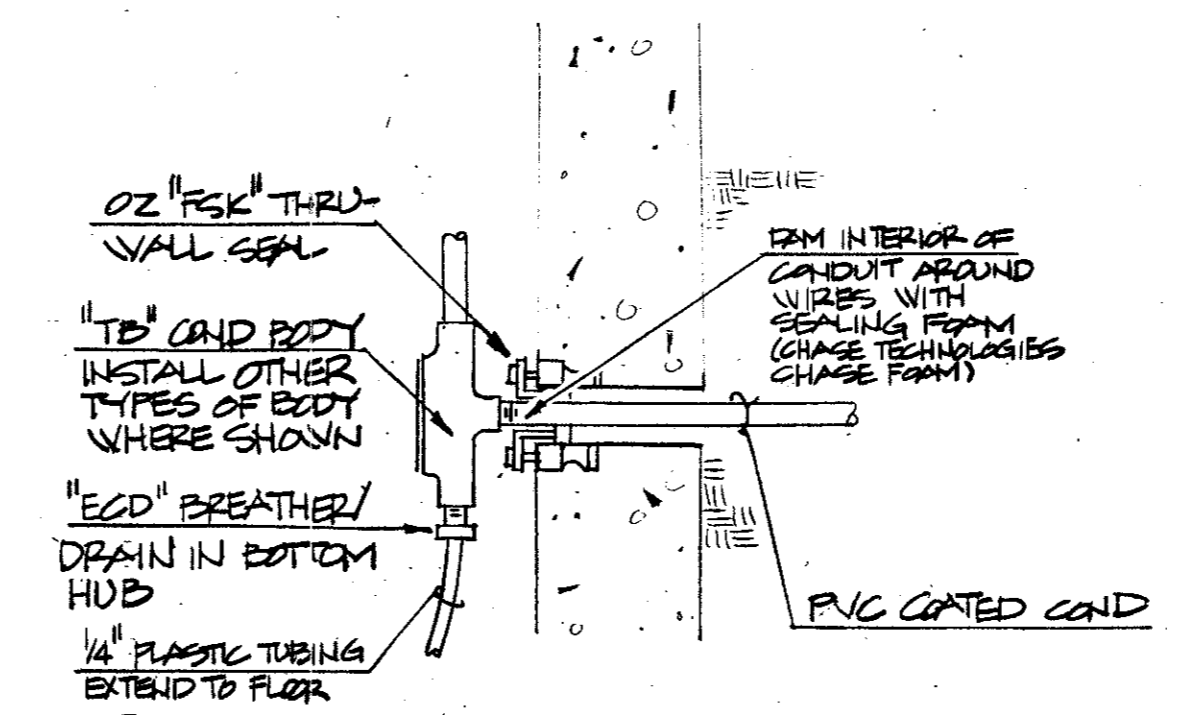
NOTES:
1. CUT FIELD CUT THREADS W/ THREAD COMPOUND
2. USE SPECIAL CONDUIT DIES THAT HAVE OVER-SIZED REAR OPENING THAT WILL ALLOW BODY OF DIE TO SLIP OVER 40 MIL PVC COATING.
3. FOLLOW MANUFACTURER'S INSTALLATION DIRECTIONS.



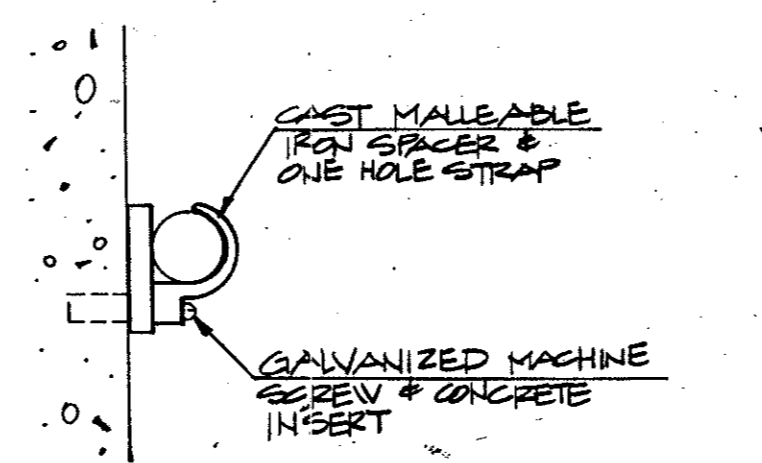
6 CONDUIT WALL PENETRATION
NO SCALE



7 UNDERGROUND CONDUIT RUN
NO SCALE



8 BELOW GRADE WALL PENETRATION
NO SCALE



9 EXPOSED CONDUIT INSTALLATION-CEILING OR WALL
NO SCALE



Joseph J. Kotla
Jan 16, 1989

No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS CREEK SYSTEM IMPROVEMENTS ELECTRICAL SCHEMATICS & DETAILS GINN, INC. Consulting Engineers Dallas, Texas			
Designed - JK	Drawn - JW	Date - DEC, 1988	Job No. - 369
Approved - JK	Checked - JK	Scale - NONE	Sheet 23 OF 23