

# SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT

**PALM BEACH COUNTY, FLORIDA  
STORMWATER TREATMENT AREA 3/4  
PUMPING STATIONS G-370 AND G-372**



**"RECORD DRAWINGS"  
JULY 16, 2004**

**RECORD DRAWINGS  
CHANGES MADE TO CONVERT  
"CONFORMED DRAWINGS" TO "RECORD DRAWINGS"  
ARE BASED UPON INFORMATION AND DRAWINGS  
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## **BOARD OF GOVERNORS**

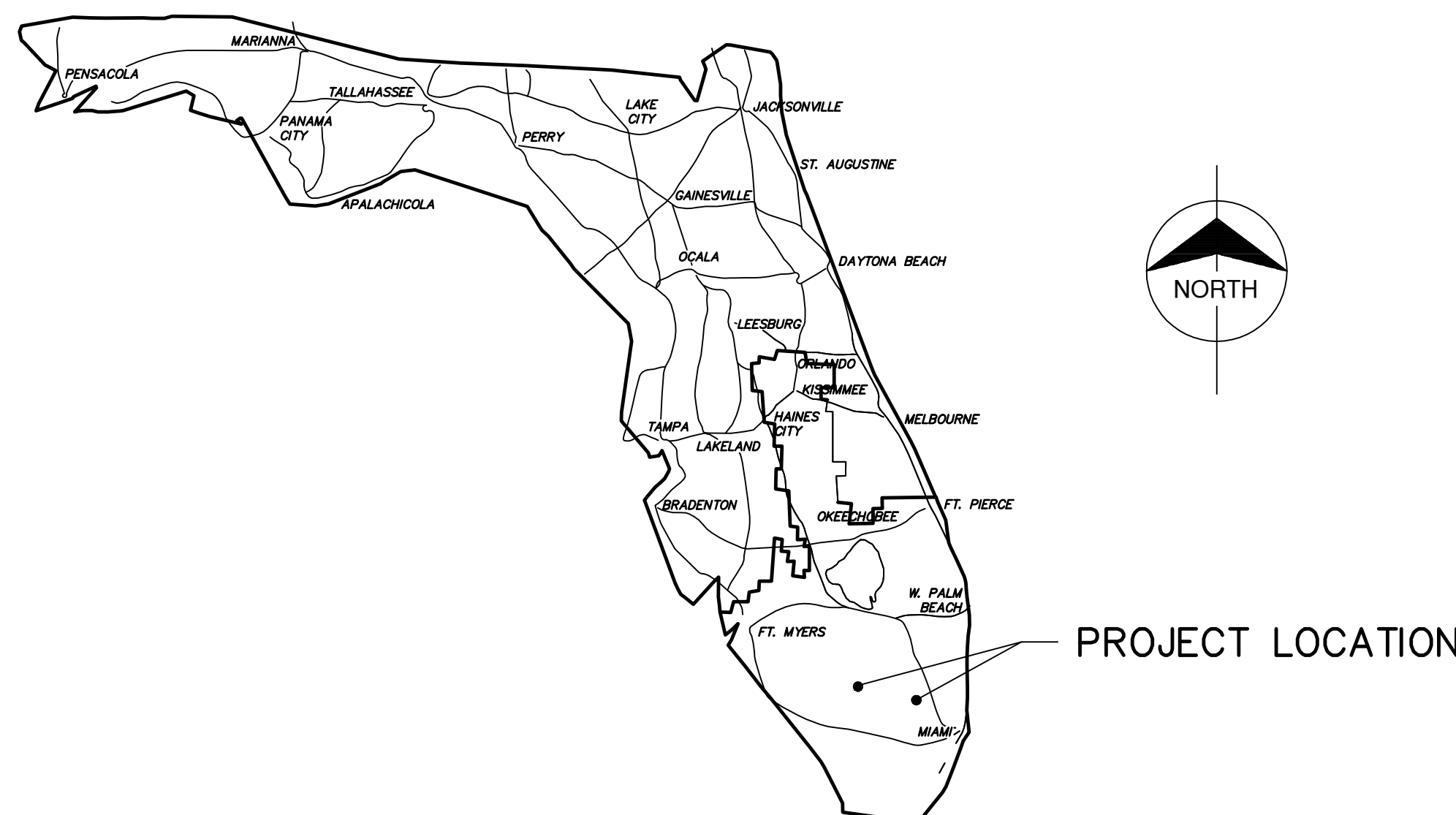
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Scale For Microfilming  
Inches  
Millimeters


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Rodney J. Gannuch, P.E.  
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 <b>Burns &amp; McDonnell</b> ENGINEERS • ARCHITECTS • CONSULTANTS METairie, Louisiana 70006 License No. EB00008095	DRAWN CHKO DESIGN CHKO DATE 5/10/2001	REVISIONS NO.   DATE 1   2   3   4   5   6   7   8   9   10
	EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATIONS G-370 & G-372 DRAWING INDEX DWG. 1 OF 2	SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406

"RECORD DRAWINGS"

- REFERENCE DRAWINGS
- D 10561380 - SHT.1 OF 4 PIPING SCHEMATICS INDEX, SYMBOLS AND GENERAL NOTES
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- IC-4 INSTRUMENTATION AND CONTROL - BLOCK DIAGRAM
- IC-5 INSTRUMENTATION AND CONTROL - INSTRUMENTATION PANEL ELEVATIONS
- IC-6 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 DIESEL FUEL SYSTEM - 1 P&ID
- IC-7 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 DIESEL FUEL SYSTEM - 2 P&ID
- IC-8 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 DIESEL FUEL SYSTEM - 3P&ID
- IC-9 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 AIR SYSTEM - P&ID
- IC-10 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 LUBE OIL SYSTEM - P&ID
- IC-11 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 WASTE OIL SYSTEMS - P&ID
- IC-12 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 SERVICE WATER - P&ID
- IC-13 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 DIESEL ENGINE P&ID
- IC-14 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 DIESEL ENGINE P&ID
- IC-15 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 FRESH WATER SYSTEMS P&ID
- IC-16 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 POTABLE WATER SYSTEMS P&ID
- IC-17 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 COOLING WATER SYSTEMS P&ID
- IC-18 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 TRASH RACKS, FIRE ALARM, SECURITY SYSTEM P&ID
- IC-19 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 SWITCHBOARD SINGLE LINE DIAGRAM
- IC-20 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 HVAC SYSTEM CONTROL
- IC-21 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 DIESEL ENGINE PUMP 1 SIGNALS TO MAIN CONTROL PANEL
- IC-22 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 DIESEL ENGINE PUMP 2 SIGNALS TO MAIN CONTROL PANEL
- IC-23 INSTRUMENTATION AND CONTROL - PUMP STATION G-370 DIESEL ENGINE PUMP 3 SIGNALS TO MAIN CONTROL PANEL
- IC-24 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 DIESEL FUEL SYSTEM - 1 P&ID
- IC-25 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 DIESEL FUEL SYSTEM - 2 P&ID
- IC-26 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 DIESEL FUEL SYSTEM - 3 P&ID
- IC-27 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 AIR SYSTEM - P&ID


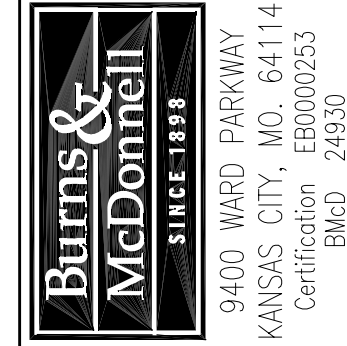
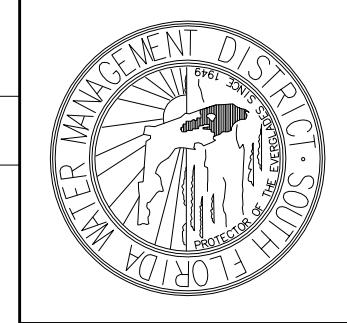
- IC-28 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 LUBE OIL SYSTEM - P&ID
- IC-29 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 WASTE OIL SYSTEMS - P&ID
- IC-30 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 SERVICE WATER - P&ID
- IC-31 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 DIESEL ENGINE P&ID
- IC-32 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 DIESEL ENGINE P&ID
- IC-33 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 FRESH WATER SYSTEMS P&ID
- IC-34 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 POTABLE WATER SYSTEMS P&ID
- IC-35 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 COOLING WATER SYSTEMS P&ID
- IC-36 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 TRASH RACKS, FIRE ALARM, SECURITY SYSTEM P&ID
- IC-37 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 SWITCHBOARD SINGLE LINE DIAGRAM
- IC-38 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 HVAC SYSTEM CONTROL
- IC-39 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 DIESEL ENGINE PUMP 1 SIGNALS TO MAIN CONTROL PANEL
- IC-40 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 DIESEL ENGINE PUMP 2 SIGNALS TO MAIN CONTROL PANEL
- IC-41 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 DIESEL ENGINE PUMP 3 SIGNALS TO MAIN CONTROL PANEL
- IC-42 INSTRUMENTATION AND CONTROL - PUMP STATION G-372 DIESEL ENGINE PUMP 4 SIGNALS TO MAIN CONTROL PANEL

REFERENCE DWGS.

- 127APX500X5 - SHT. 1 OF 2  
950 CFS STATIN 370 & 372 (127APS)
- 127APX500X5 - SHT. 2 OF 2  
950 CFS STATIN 370 & 372 (127APS)
- 127APX86X5 - SHT. 1 OF 5  
950 CFS STATIN 372 (127APS)
- 127APX86X5 - SHT. 2 OF 5  
950 CFS STATIN 372 (127APS)
- 127APX86X5 - SHT. 3 OF 5  
950 CFS STATIN 372 (127APS)
- 127APX86X6 - SHT. 1 OF 5  
950 CFS STATIN 370 (127APS)
- 127APX86X6 - SHT. 2 OF 5  
950 CFS STATIN 370 (127APS)
- 127APX86X6 - SHT. 3 OF 5  
950 CFS STATIN 370 (127APS)
- 127APX86X6 - SHT. 4 OF 5  
925 CFS STATIN 370 (127APS)
- 127APX86X6 - SHT. 5 OF 5  
925 CFS STATIN 370 (127APS)

Scale For Microfilming  
Millimeters  
Inches

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DRAWN CHKD	EJM DER	DESIGN CHKD	DATE 5/10/2001	NO. / DWG	DATE	REVISIONS	REVISED PER ADDENDUM NO. 1
 <b>Brown Cunningham Gannuch</b> ENGINEERS - ARCHITECTS - CONSULTANTS METairie, LOUISIANA 70006 (504) 454-3866 License No. EB00008095							
 <b>Burns &amp; McDonnell</b> SINCE 1938 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certified in ISO 9000:2000 BRAC							
EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATIONS G-370 & G-372 DRAWING INDEX DWG. 2 OF 2							
<b>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</b> EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406							
 Rodney J. Gannuch, P.E. FLA. C.E. REG. NO. 53545							
CONTRACT NO. C-E304 DWG. NO. GC-3							

"RECORD DRAWINGS"



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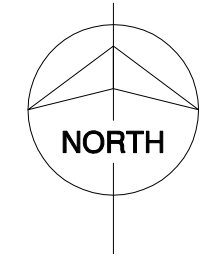
Scale For Microfilming  
Inches  
Scale For Microfilming  
Millimeters

**NEW PUMP STATION G-372**

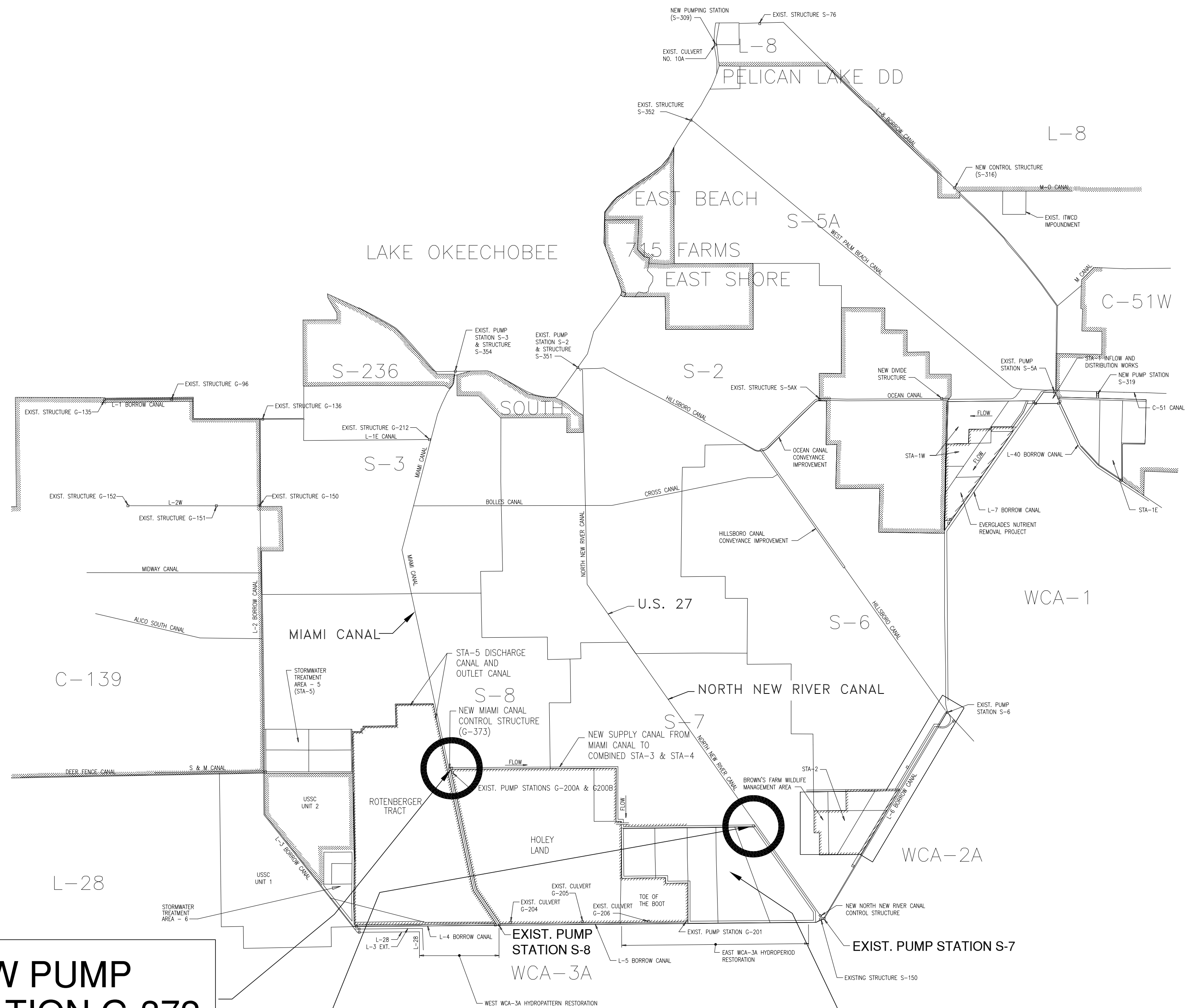
**NEW PUMP STATION G-370**

**LOCATION PLAN**

18000 0 18000 36000  
SCALE IN FEET



**COMBINED STA-3/4**



**ABBREVIATIONS**

ALT. SP.	= ALTERNATE SPACING	OPT.	= OPTIONAL
BAT	= BAROMETRIC TUBE	P	= POWER
B/L	= BASELINE	PA	=
BM	= BENCHMARK	P.C.	= POINT OF CURVATURE
BW	= BACK WASH	PCV	= PRESSURE CONTROL VALVE
BF	= BOTTOM FACE	PI	= PRESSURE INDICATOR
BL	= BOTTOM LAYER	P.I.	= POINT OF INTERSECTION
B.O.	= BOTTOM OF	P.T.	= POINT OF TANGENCY
C	= CENTER	PW	= POTABLE WATER
CB	= CATCH BASIN	RAG	= RIGHT ANGLE GEAR
C.I.	= CAST IRON	R.O.W.	= RIGHT OF WAY
CKVA	= CHECK VALVE	RV	= RELIEF VALVE
CWS	= COOLING WATER SUPPLY	S	= SEWER
CWR	= COOLING WATER RETURN	SA	= STA. AIR
CJ	= CONSTRUCTION JOINT	SB/L	= SUBBASELINE
CL	= CLEAR COVER	SC	= SOUNDING CONN.
C/L OR $\phi$	= CENTER LINE	S.C.O.	= SEWER CLEANOUT
C.R.S.	= CORROSION RESISTANT STEEL	SCP	= SURVEY CONTROL POINT
$\phi$	= DIAMETER	SFC	= STANDARD FABRICATED CONNECTION
D	= DRAIN	STD. HK.	= STANDARD HOOK
D.I.	= DROP INLET	STA.	= STATION
D.P.	= DRAIN PIPE	S	= SOLENOID
D/S	= DOWN STREAM	SV	= SOLENOID VALVE
D.V.	= DRAIN VALVE	T	= TELEPHONE
D.V. MH.	= DRAIN VALVE MANHOLE	T&B	= TOP AND BOTTOM
E	= ELECTRICAL	TD	= TRENCH DRAIN
E.F.	= EACH FACE	TF	= TOP FACE
EL.	= ELEVATION (FEET, N.G.V.D.)	TEL.M.H.	= TELEPHONE MANHOLE
ES	= EQUALLY SPACED	TI	= TEMPERATURE INDICATOR
EX	= EXHAUST	TL	= TOP LAYER
FC	= FRAME CONN.	TP	= TEST PILE
FC	= FAIL CLOSED	T.O.	= TOP OF
FO	= FAIL OPEN	T.O.C.	= TOP OF CONCRETE
FOS	= FUEL OIL SUPPLY	T.O.S.	= TOP OF STEEL
FOR	= FUEL OIL RETURN	T.O.W.	= TOP OF WALL
FW	= FRESH WATER	U.O.N.	= UNLESS OTHERWISE NOTED
FOW	= FUEL OIL WASTE	U/S	= UP STREAM
F.H.	= FIRE HYDRANT	VAC	= VACUUM LINE OR SYSTEM
FF	= FAR FACE	VA	= VALVE DESIGNATION
F.F.	= FINISHED FLOOR	W	= WATER
FV	=	W/L	= WALL LINE
G	= GAS	W.M.	= WATER METER
H.P.	= HIGH POINT	W.V.	= WATER VALVE
H.S.	= HIGH STRENGTH		
HTR	= HEATER		
IA	= INSTRUMENT AIR		
JWR	= JACKET WATER RETURN		
JWS	= JACKET WATER SUPPLY		
LE	=		
LIT	= LIGHT ON TANK GAGE		
LO	= LUBE OIL		
LOW	= LUBE OIL WASTE		
LW	= LUBRICATING WATER		
LP	= LIGHT POLE		
LS	= LIGHT STANDARD		
MH	= MANHOLE		
NF	= NEAR FACE		
O.C.	= ON CENTER		

DRAWN		CHKD		DESIGN		DATE	
JSB	EJM	DER	EJM	5/10/2001			
Brown Cunningham Gannuch		Brown Cunningham Gannuch		Brown Cunningham Gannuch		Brown Cunningham Gannuch	
ENGINEERS - ARCHITECTS - CONSULTANTS		ENGINEERS - ARCHITECTS - CONSULTANTS		ENGINEERS - ARCHITECTS - CONSULTANTS		ENGINEERS - ARCHITECTS - CONSULTANTS	
9400 WARD PARKWAY		9400 WARD PARKWAY		9400 WARD PARKWAY		9400 WARD PARKWAY	
KANSAS CITY, MO. 64114		KANSAS CITY, MO. 64114		KANSAS CITY, MO. 64114		KANSAS CITY, MO. 64114	
Certificate: ER0000253		Certificate: ER0000253		Certificate: ER0000253		Certificate: ER0000253	
License No. EB00008095		License No. EB00008095		License No. EB00008095		License No. EB00008095	
EVERGLADES CONSTRUCTION PROJECT		EVERGLADES CONSTRUCTION PROJECT		EVERGLADES CONSTRUCTION PROJECT		EVERGLADES CONSTRUCTION PROJECT	
STORMWATER TREATMENT AREA NO. 3/4		STORMWATER TREATMENT AREA NO. 3/4		STORMWATER TREATMENT AREA NO. 3/4		STORMWATER TREATMENT AREA NO. 3/4	
PUMP STATIONS G-370 & G-372		PUMP STATIONS G-370 & G-372		PUMP STATIONS G-370 & G-372		PUMP STATIONS G-370 & G-372	
LOCATION MAP AND		LOCATION MAP AND		LOCATION MAP AND		LOCATION MAP AND	
GENERAL ABBREVIATIONS		GENERAL ABBREVIATIONS		GENERAL ABBREVIATIONS		GENERAL ABBREVIATIONS	
SOUTH FLORIDA		SOUTH FLORIDA		SOUTH FLORIDA		SOUTH FLORIDA	
WATER MANAGEMENT DISTRICT		WATER MANAGEMENT DISTRICT		WATER MANAGEMENT DISTRICT		WATER MANAGEMENT DISTRICT	
EVERGLADES CONSTRUCTION PROJECT		EVERGLADES CONSTRUCTION PROJECT		EVERGLADES CONSTRUCTION PROJECT		EVERGLADES CONSTRUCTION PROJECT	
3301 GUN CLUB ROAD		3301 GUN CLUB ROAD		3301 GUN CLUB ROAD		3301 GUN CLUB ROAD	
WEST PALM BEACH, FLORIDA 33406		WEST PALM BEACH, FLORIDA 33406		WEST PALM BEACH, FLORIDA 33406		WEST PALM BEACH, FLORIDA 33406	
Rodney J. Gannuch, P.E.		Rodney J. Gannuch, P.E.		Rodney J. Gannuch, P.E.		Rodney J. Gannuch, P.E.	
FLA. C.E. REG. NO. 53545		FLA. C.E. REG. NO. 53545		FLA. C.E. REG. NO. 53545		FLA. C.E. REG. NO. 53545	
CONTRACT NO.		CONTRACT NO.		CONTRACT NO.		CONTRACT NO.	
C-E304		C-E304		C-E304		C-E304	
DWG. NO.		DWG. NO.		DWG. NO.		DWG. NO.	
GC-4		GC-4		GC-4		GC-4	

"RECORD DRAWINGS"



GENERAL

Table with 2 columns: Symbol and Description. Includes symbols for existing equipment, new facilities, property lines, centerlines, hidden lines, water surfaces, and skid limits.

ARCHITECTURAL/STRUCTURAL

Table with 2 columns: Symbol and Description. Includes symbols for concrete, reinforcement, precast concrete, mortar, grout, plaster, grating, steel, aluminum, wood, rigid insulation, and batt insulation.

VALVES

Table with 2 columns: Symbol and Description. Includes symbols for gate valves, ball valves, check valves, butterfly valves, globe valves, needle valves, and plug valves.

ACTUATORS

Table with 2 columns: Symbol and Description. Includes symbols for motor operated valves, solenoid valves, diaphragm operated valves, piston operated valves, and air operated priming valves.

CIVIL

Table with 2 columns: Symbol and Description. Includes symbols for natural ground, granular material, pavement, fences, grade contours, spot elevations, utility poles, retaining walls, elevations, soil boring locations, points of intersection, benchmarks, control points, coordinates, slopes, and trees.

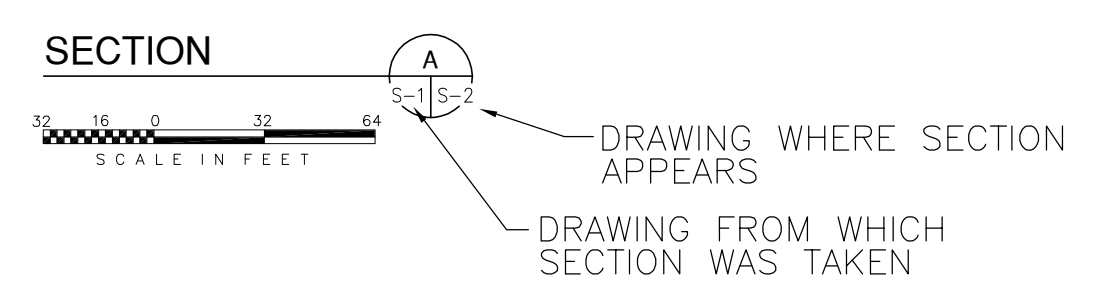
MECHANICAL PIPE AND FITTINGS

Table with 4 columns: SINGLE LINE, DOUBLE LINE, SINGLE LINE, DOUBLE LINE. Includes symbols for flanged joints, welded steel joints, elbows, tees, and reducers.

MISCELLANEOUS DEVICES

Table with 2 columns: Symbol and Description. Includes symbols for temperature indicators, pressure indicators, pressure alarms, pressure indicator switches, flow indicators, pressure differential indicator switches, motor operated valves, level switches, level controls, utility stations, cleanouts, pipe anchors, pipe guides, rotameters, electric heaters, pipe quick connections, screened vents, lube oil filters, level gages, open drains, typical pipe drains, engine air intakes, vents, diesel fuel filters, exhaust silencers, level controls, flex connections, pipe flex connections, back flow preventers, pipes with insulation, quick connection hoses, screened air exhausts, filters, line continuations, and expansion joints.

SECTION AND DETAIL DESIGNATIONS



DRAWING AND PROCESS AREA DESIGNATION SYSTEMS

- 1. DRAWINGS ARE SUBDIVIDED BY DISCIPLINE AS FOLLOWS: G GENERAL, C CIVIL, AC ARCHITECTURAL, S STRUCTURAL, SS STRUCTURAL STEEL, M MECHANICAL, H HEATING, VENTILATING AND AIR CONDITIONING, E ELECTRICAL, IC INSTRUMENTATION. 2. GENERAL, STANDARD DETAIL AND DIAGRAMATIC DRAWINGS IN EACH DISCIPLINE, ARE NUMBERED 0 TO 99. THE REMAINING DRAWINGS AND EQUIPMENT, GENERALLY ARE NUMBERED IN ACCORDANCE WITH THEIR ASSOCIATED USE. 100 PUMPING STATION G-370, 200 PUMPING STATION G-372.

- NOTES: 1. THIS DRAWING IS GENERAL IN NATURE, SOME SYMBOLS SHOWN HEREON MAY NOT BE USED ON THE CONTRACT DRAWINGS. 2. SEE DRAWING GC-3 FOR ABBREVIATIONS. 3. SYMBOLS ARE ARRANGED ON SPECIFIC DRAWINGS AND IN CATEGORIES FOR CONVENIENCE ONLY; SYMBOLS MAY BE USED ON ANY OF THE CONTRACT DRAWINGS.

EQUIPMENT SYMBOLS

Table with 2 columns: Symbol and Description. Includes symbols for rotary pumps, motor driven pumps, engine driven pumps, centrifugal pumps, heat exchangers, diesel fuel coolers, fuel meters, strainers, and separators for backwash systems.

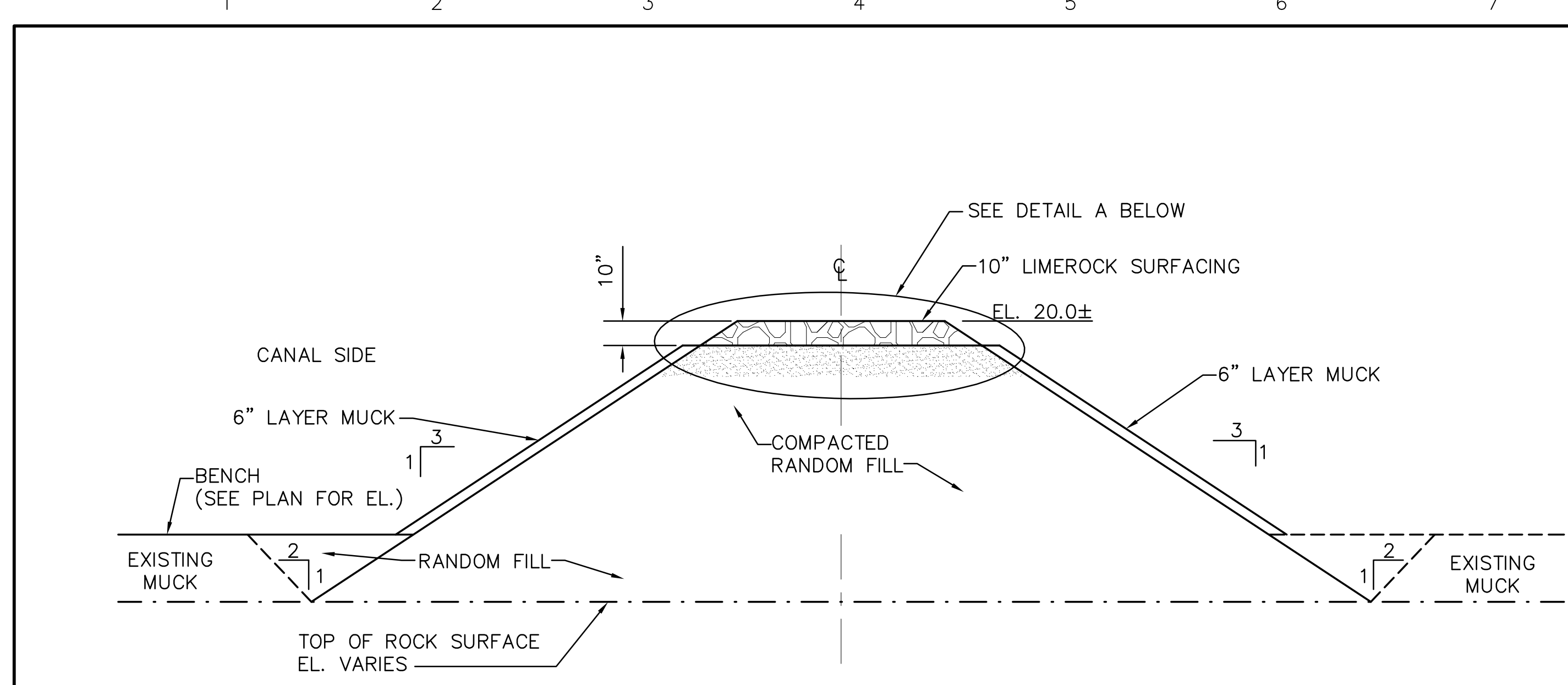
Vertical sidebar containing project information: SOUTH FLORIDA WATER MANAGEMENT DISTRICT, EVERGLADES CONSTRUCTION PROJECT, PUMP STATIONS G-370 & G-372, general designation symbols, and logos for Brown Cunningham Gannuch and Burns & McDonnell.

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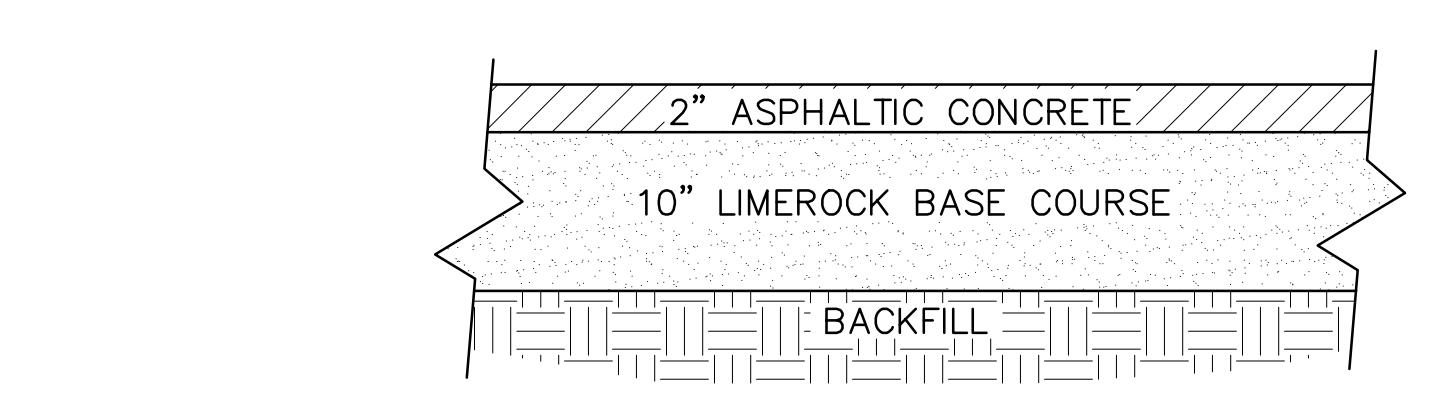
"RECORD DRAWINGS"

Rodney J. Gannuch, P.E. FLA. C.E. REG. NO. 53545

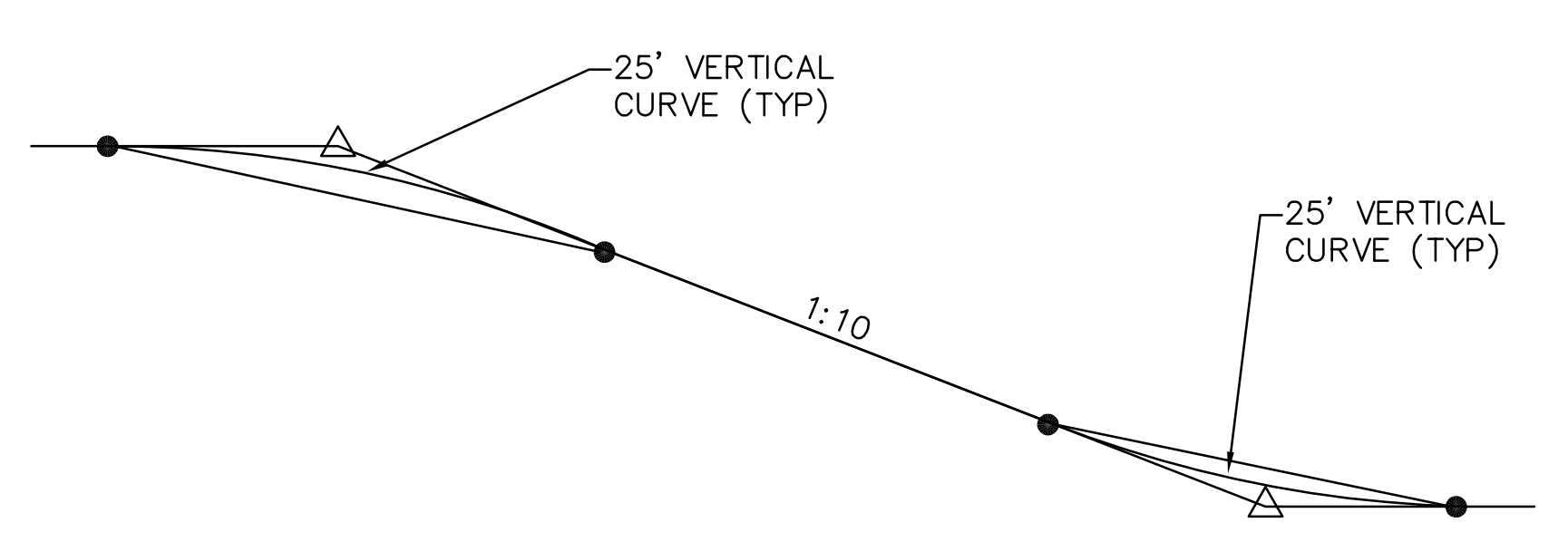
CONTRACT NO. C-E304, DWG. NO. GC-5



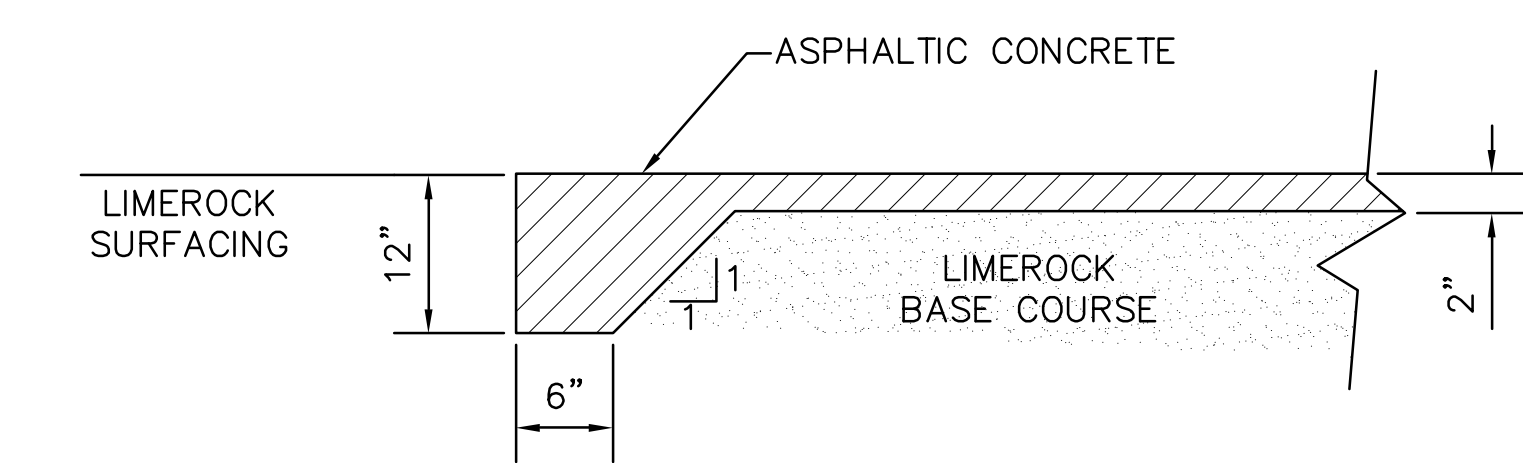
**TYPICAL LEVEL DETAIL**  
N.T.S.



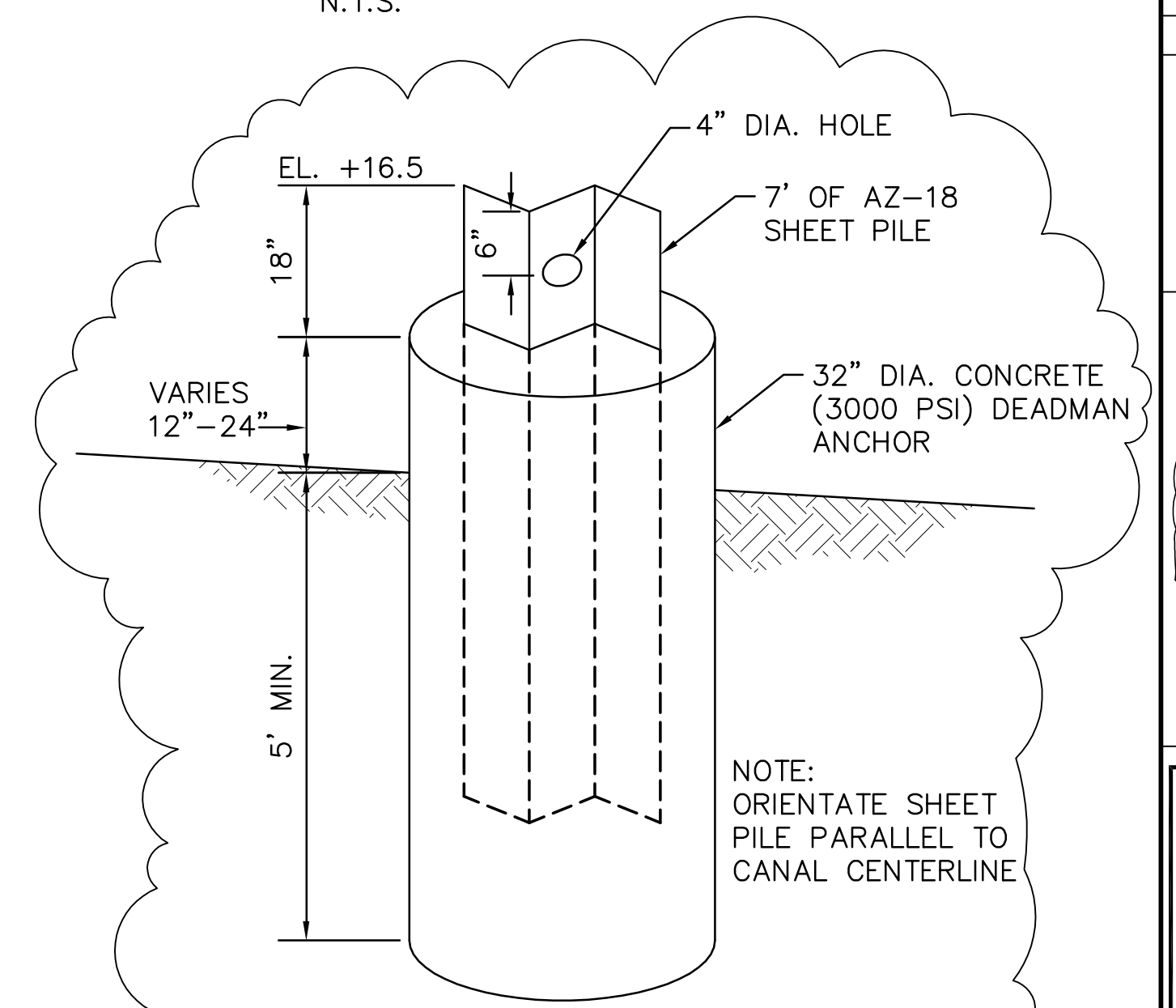
**TYPICAL ASPHALTIC CONCRETE PAVEMENT DETAIL**  
N.T.S.



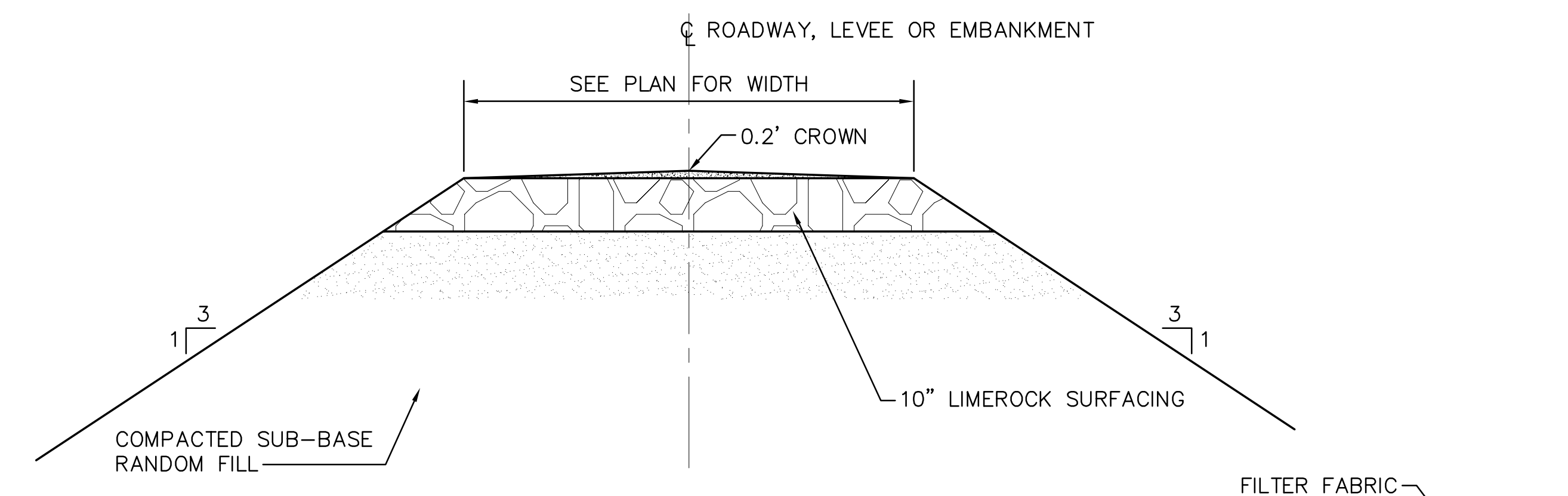
**TYPICAL RAMP DETAIL**  
N.T.S.



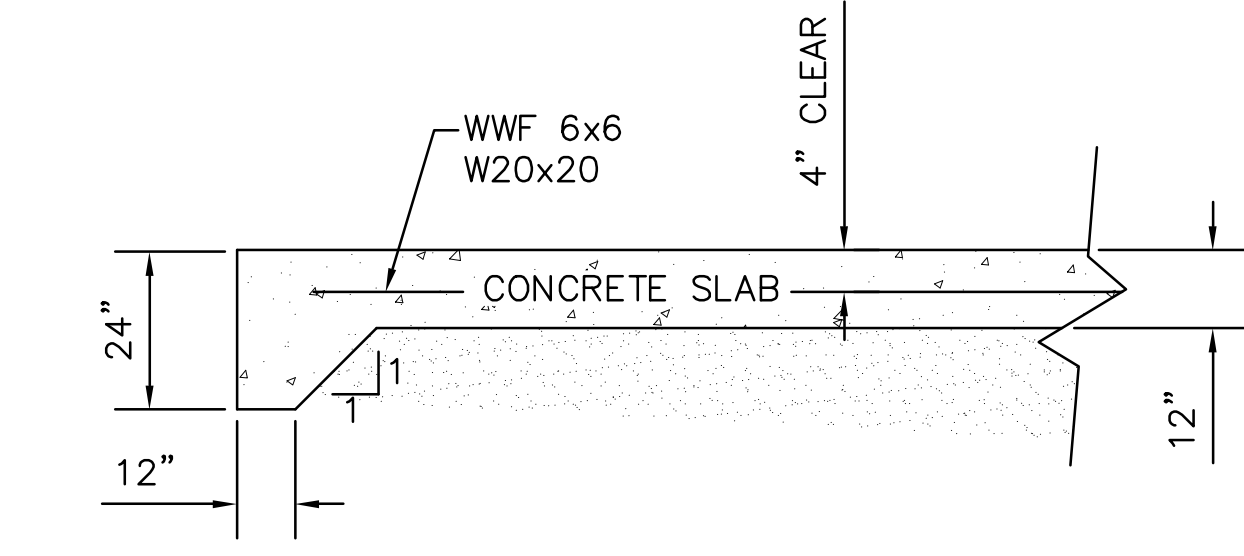
**TYPICAL ASPHALT FOOTING DETAIL  
(TO BE USED AT ALL EDGES OF ASPHALT)**  
N.T.S.



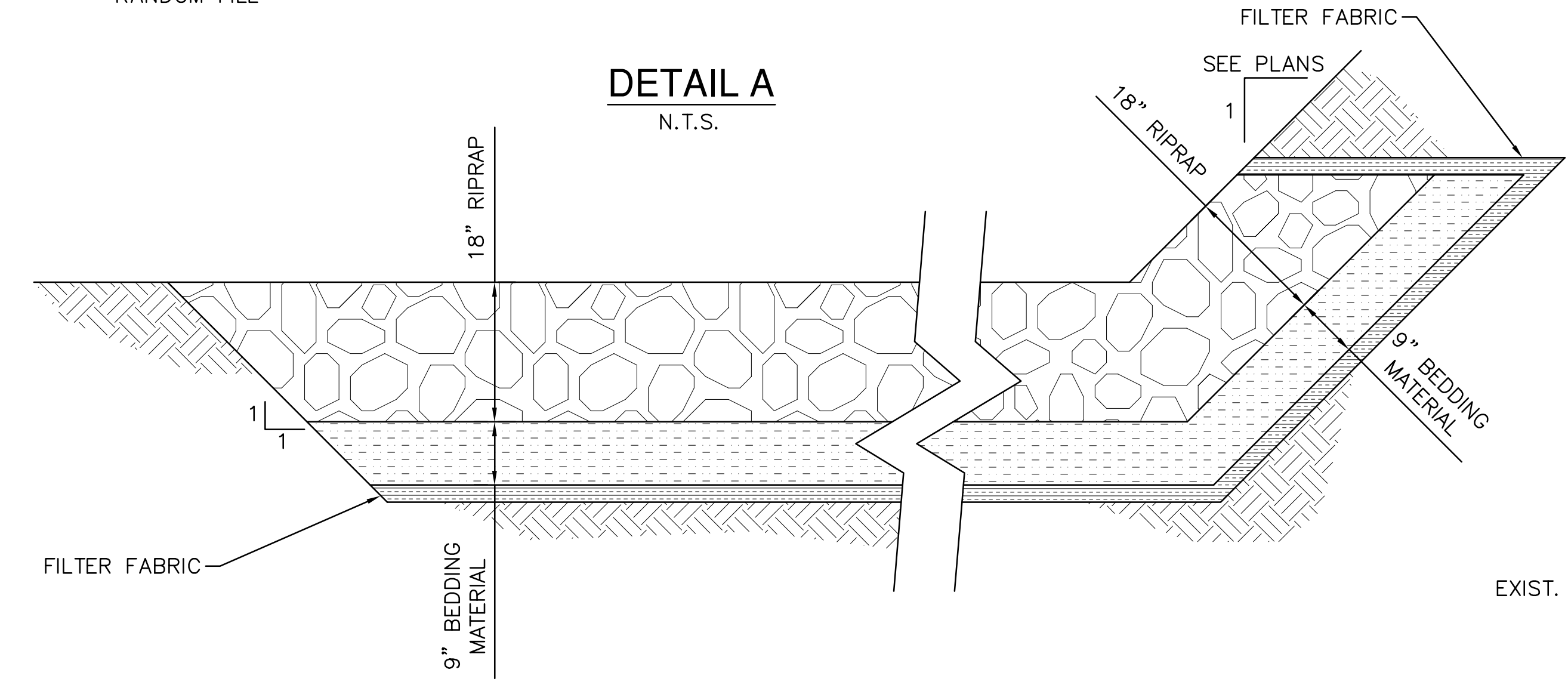
**WEED BARRIER BOOM ANCHOR**  
N.T.S.



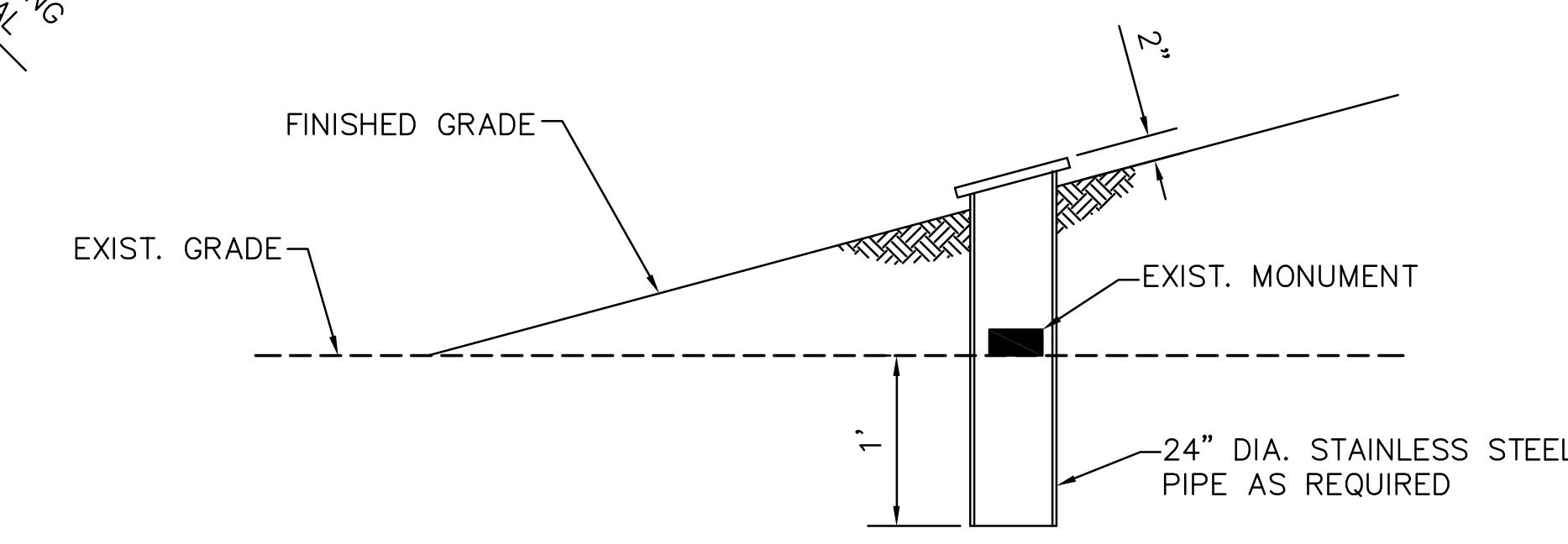
**DETAIL A**  
N.T.S.



**TYPICAL CONCRETE PAVEMENT FOOTING DETAIL  
(TO BE USED AT ALL TRAVELWAY EDGES)**  
N.T.S.



**TYPICAL RIPRAP DETAIL**  
N.T.S.



**SURVEY MONUMENT PROTECTION DETAIL**  
N.T.S.

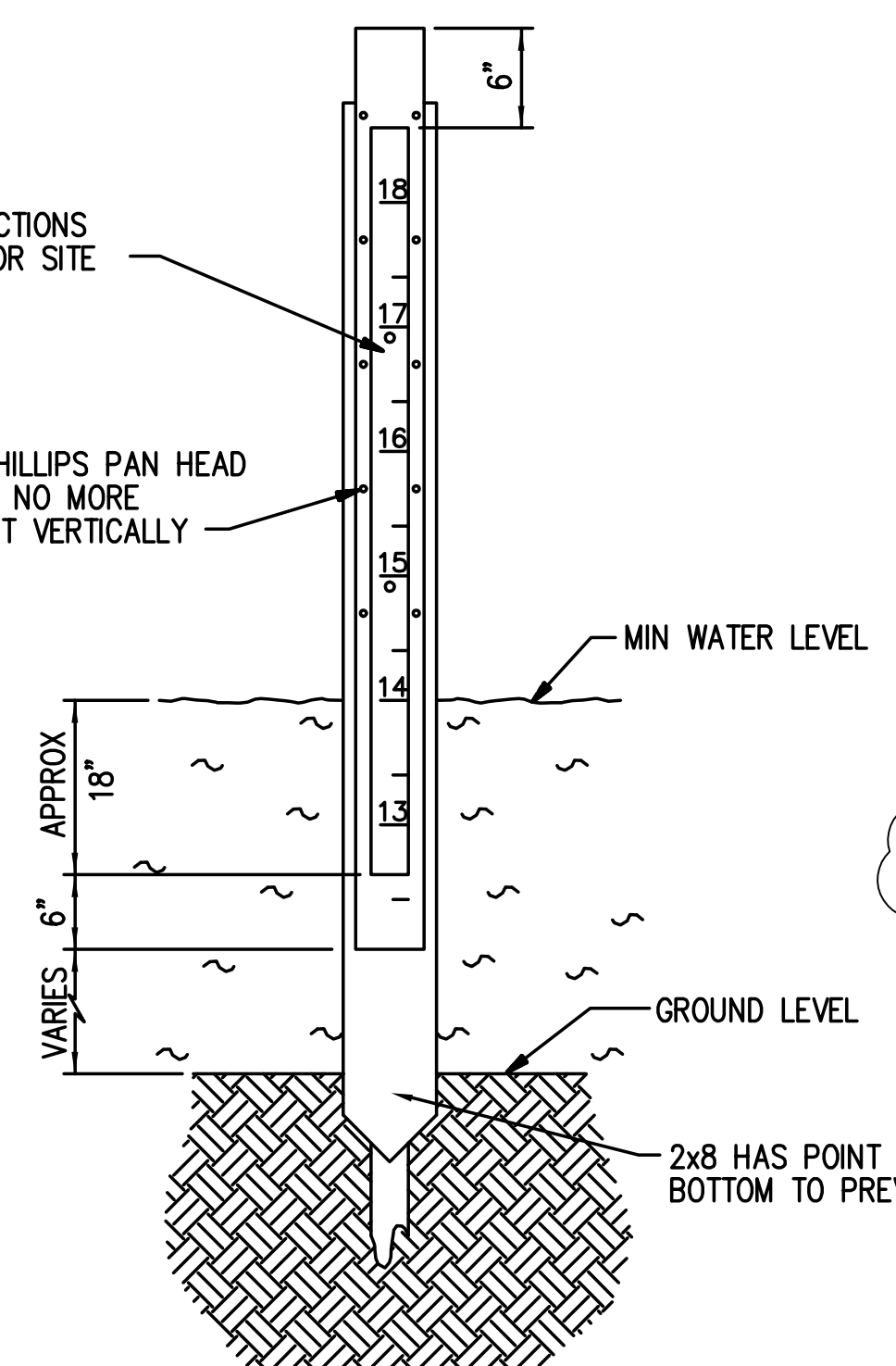
Scale For Microfilming  
Millimeters  
Inches

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NO.	DATE	BY	CHKD	REVISIONS
7-11-01	REVISOR PER ADDENDUM NO.4	KG	EJM	
6-01-01	REVISOR PER ADDENDUM NO.1	KG	EJM	
		NO.	DWN	CHKO
				DATE
<p><b>Brown Cunningham Gannuch</b> ENGINEERS - ARCHITECTS - CONSULTANTS METairie, LOUISIANA 70006 (504) 454-3866 License No. EB00008095</p>				
<p><b>Burns &amp; McDonnell</b> SINCE 1888 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certification EB0000253 BMG</p>				
<p><b>EVERGLADES CONSTRUCTION PROJECT</b> STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372</p>				
<p><b>CIVIL DETAILS</b></p>				
<p><b>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</b> EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>				
<p>Rodney J. Gannuch, P.E. FLA. C.E. REG. NO. 53545</p>				
<p>CONTRACT NO. C-E304 DWG. NO. C-1</p>				

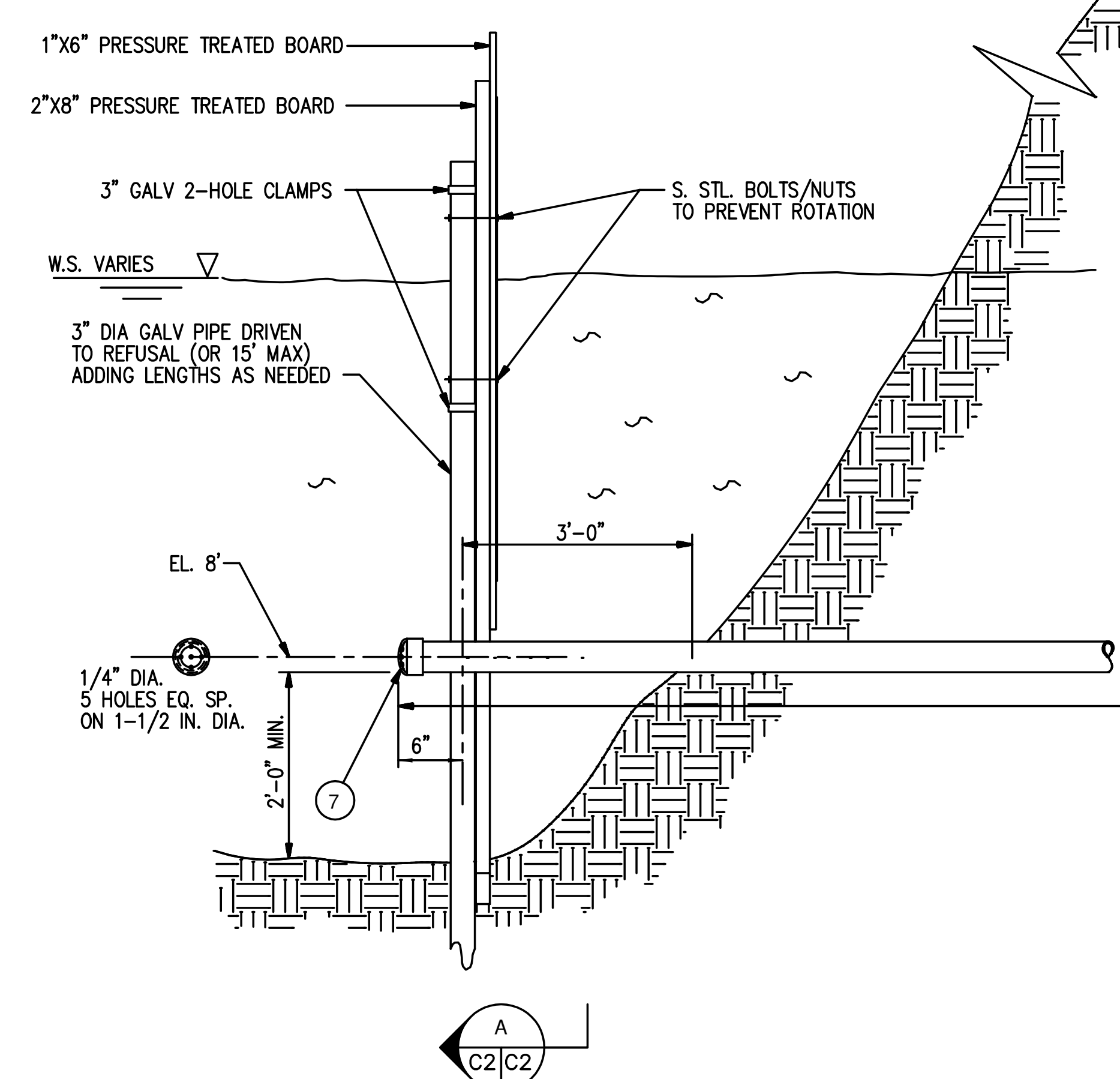
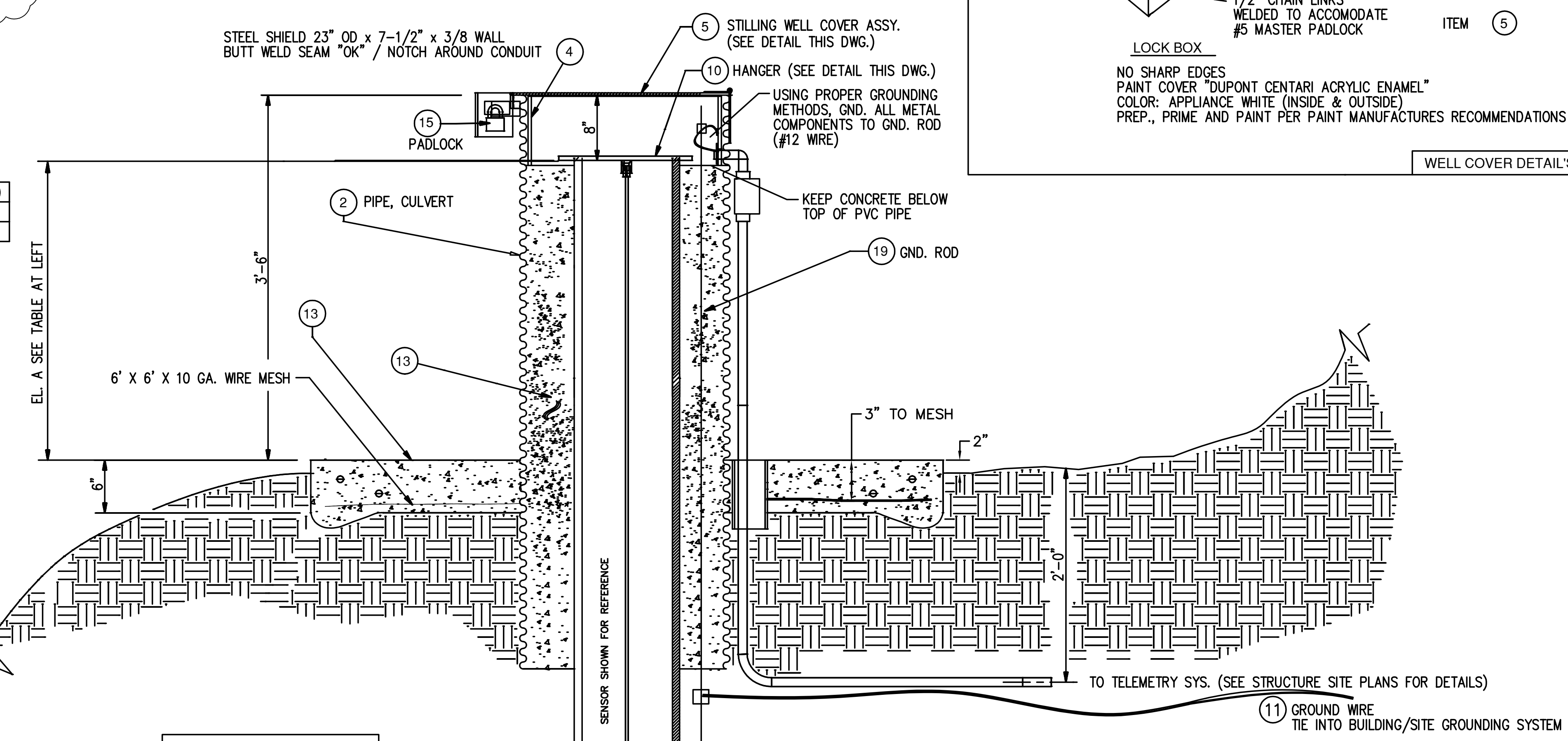
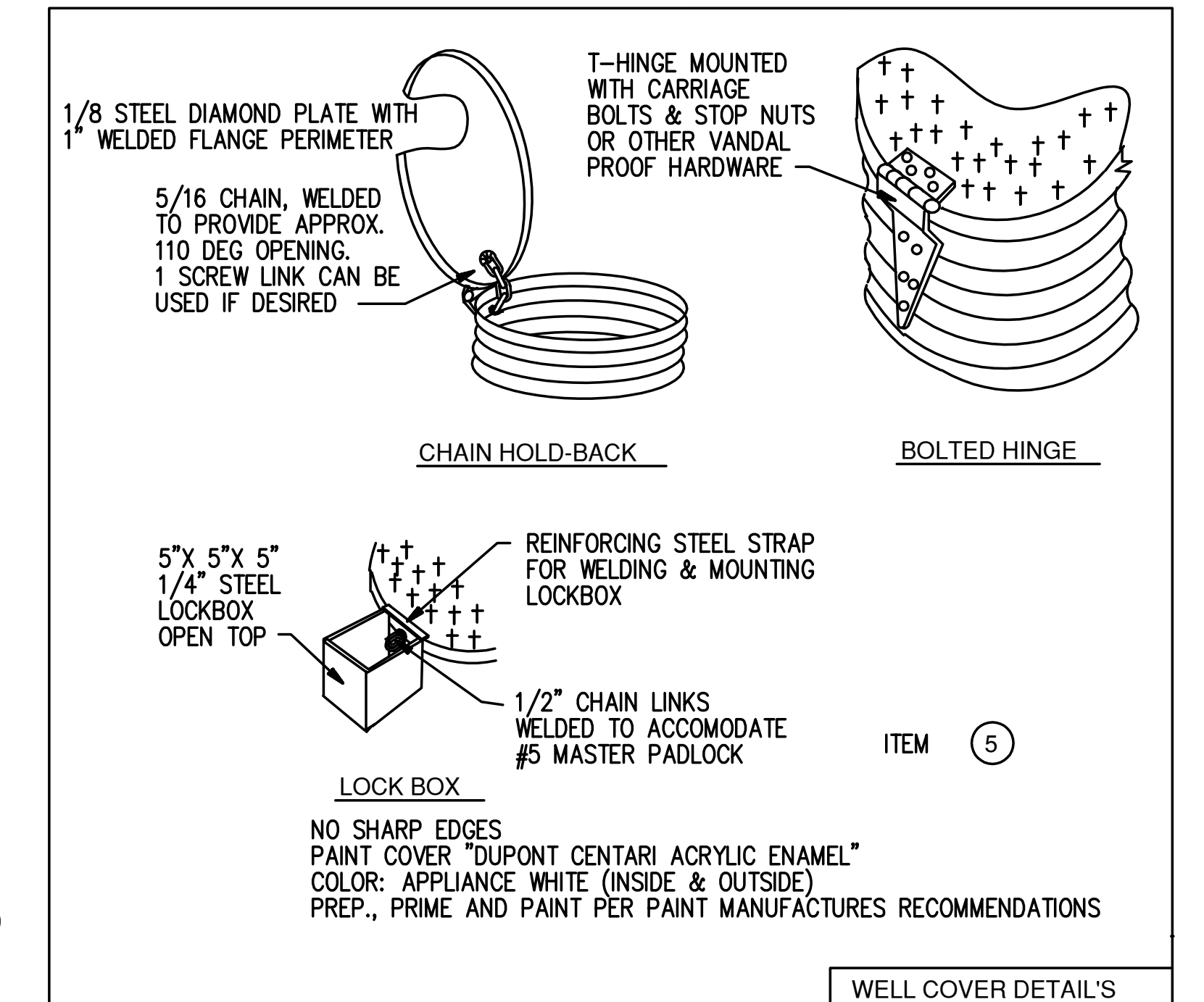
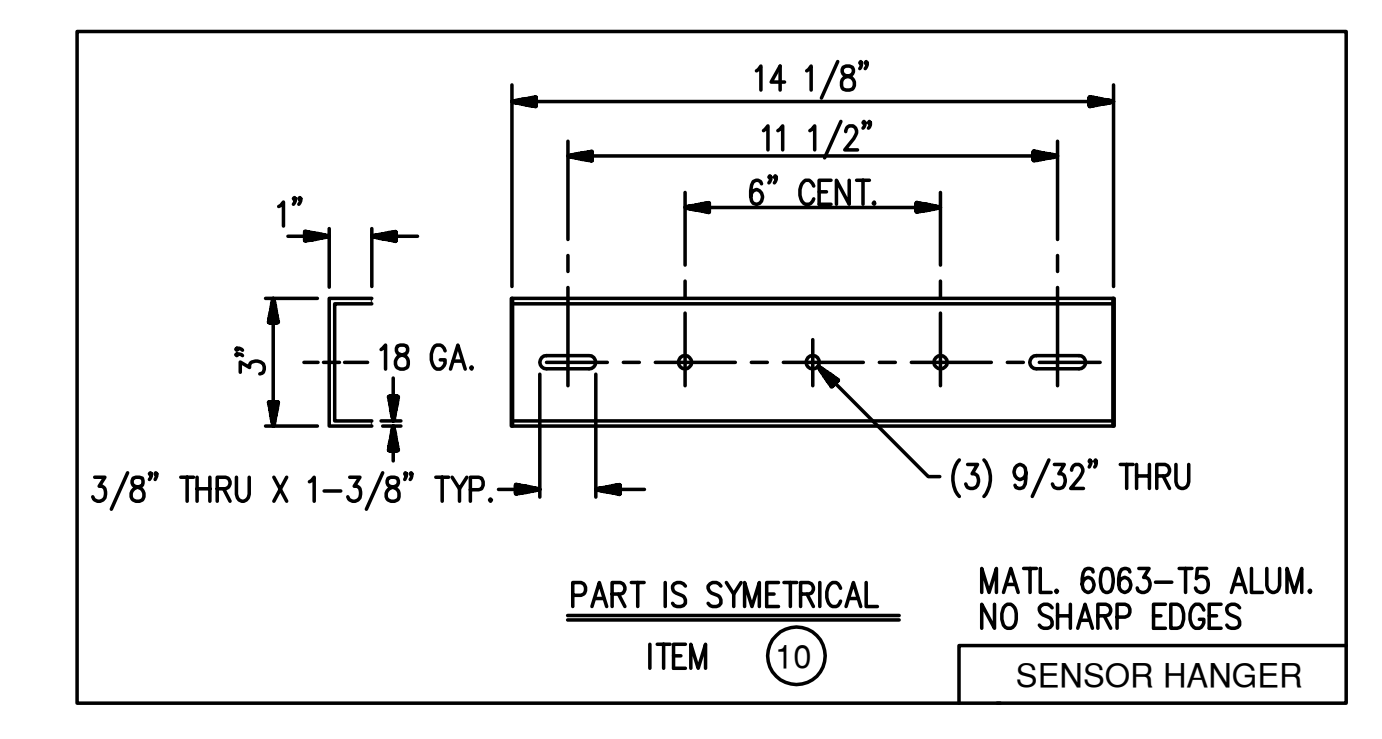
"CONFORMED-ISSUED FOR CONSTRUCTION"





- NOTES:
1. IN ROCK AREAS, DIAGONAL BRACING WITH PIPE OR 2"x6" WOOD MAY BE REQUIRED TO OBTAIN SUFFICIENT STABILITY.
  2. NO BRACING OR CONNECTION WILL BE MADE TO WALKWAYS OR STRUCTURES UNLESS APPROVED BY A DISTRICT ENGINEER.
  3. ALL HARDWARE TO BE STAINLESS STEEL UNLESS NOTED OTHERWISE.
  4. ASSEMBLY MUST BE PLUMB.
  5. STAFF GAGES SHALL BE FABRICATED AND INSTALLED AS DETAILED ON THIS SHEET AND IN THE SPECIFICATIONS.
  6. LOCATION AND ORIENTATION OF STAFF GAGES TO BE AS DIRECTED BY SFWMD.
  7. MINIMUM CANAL WATER LEVELS PUMP STATION G-370 & G-372: SUCTION SIDE EL. +8.0, DISCHARGE SIDE EL. +9.0.
  8. MEASURING STRIP ON STAFF GAGES TO BE ESTABLISHED FROM BENCHMARKS BM 27-11 AT G-370 SITE & BM HL-10 AT G-372 SITE.

STRUCTURE	A-TOP OF LEVEE EL. (NGVD)
G-370	19.5
G-372	19.0



NO.	PART/ASSEMBLY #	MATERIAL	QTY.
1	THIS DWG.	STILLING WELL ASSEMBLY	1
2	PIPE 12 GAUGE ALUM.	24" DIA X 5" CORR. PIPE. 2 2/3 x 1 PATT.	1
3	PIPE	PVC, 12 IN. DIA, SCHEDULE 40	A/R
4	STEEL SHIELD	ROLLED STEEL OR TUBING	1
5	COVER	SEE UPPER RIGHT (THIS DWG.)	1
6	PIPE	HOT DIP GALV. STEEL, 2 IN. DIA.	A/R
7	CAP	PVC, 12 IN. SCHEDULE 40 (DETAIL "A")	1
9	SERVICE SADDLE	SMITH-BLAIR #313-143214-000 (OR EQUIV.)	1
10	HANGER	SEE TOP CENTER (THIS DWG.)	1
11	WIRE	#2/0 BARE COPPER	A/R
12	CAP	PVC, 12 INCH DIA. SCHEDULE 40	1
13	CONCRETE	2500 PSI CONCRETE (APPROX. 1 1/2 YDS.)	A/R
15	PADLOCK	MASTERS #42	1
19	GND. ROD	5/8 DIA. X 20' LONG COPPER CLAD STEEL (BRAZE ALL FITTINGS)	1

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

"CONFORMED-ISSUED FOR CONSTRUCTION"

EVERGLADES CONSTRUCTION PROJECT  
STORMWATER TREATMENT AREA NO. 3/4  
PUMP STATIONS G-370 & G-372

STILLING WELL DETAILS

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

EVERGLADES CONSTRUCTION PROJECT  
3301 GUN CLUB ROAD  
WEST PALM BEACH, FLORIDA 33406

CONTRACT NO. C-E304  
DWG. NO. C-2

REVISIONS

NO.	DATE	BY	CHKD	REVISIONS
1	5/10/2001	NOI/DWN	CHKD	
2	6-01-01	EJM	CHKD	REVISED PER ADDENDUM NDL1

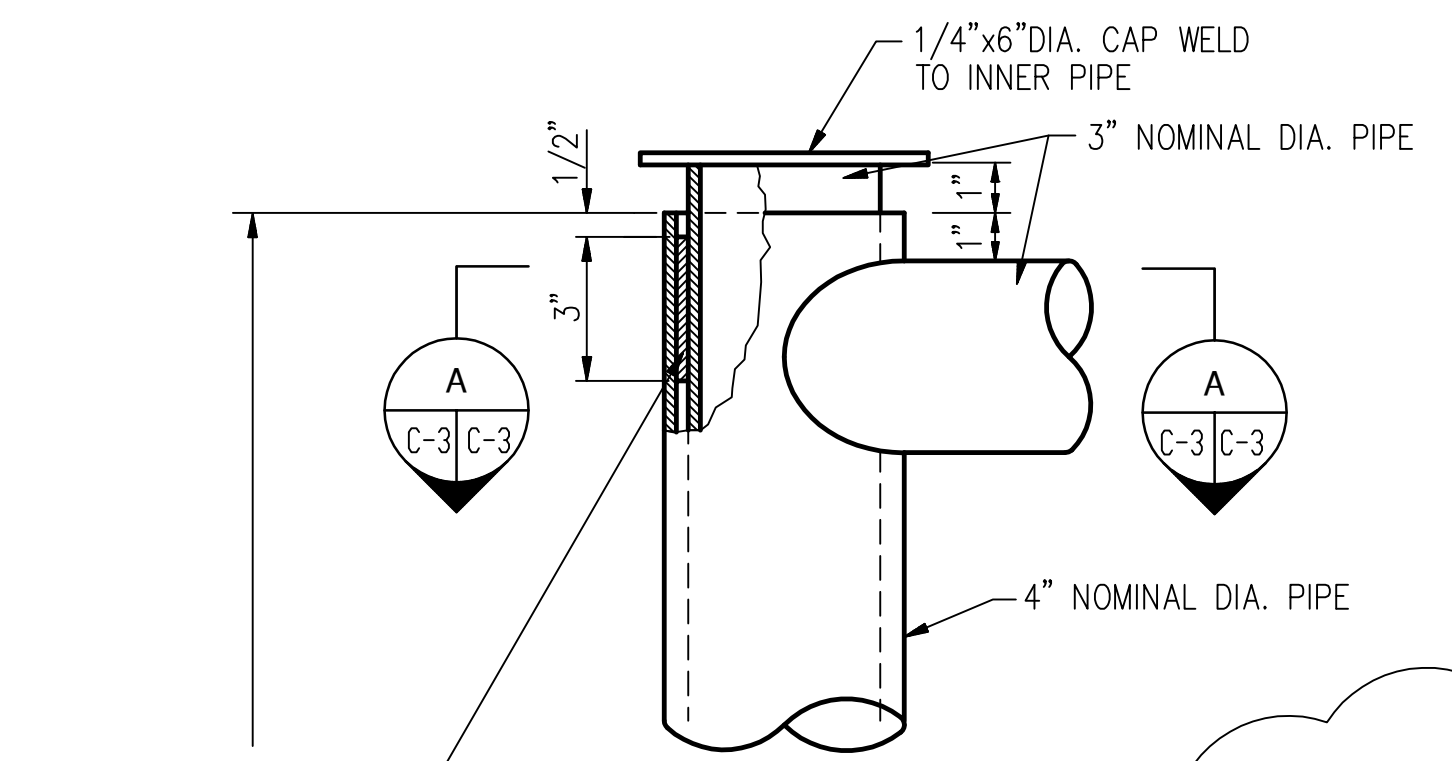
Brown Cunningham Gannuch  
ENGINEERS, ARCHITECTS & CONSULTANTS  
METABAR, LOUISIANA 70006  
(504) 454-8866  
License No. EB00008095

Burns & McDonnell  
9400 WARD PARKWAY  
KANSAS CITY, MO. 64114  
Certification EB0000253  
BMBG

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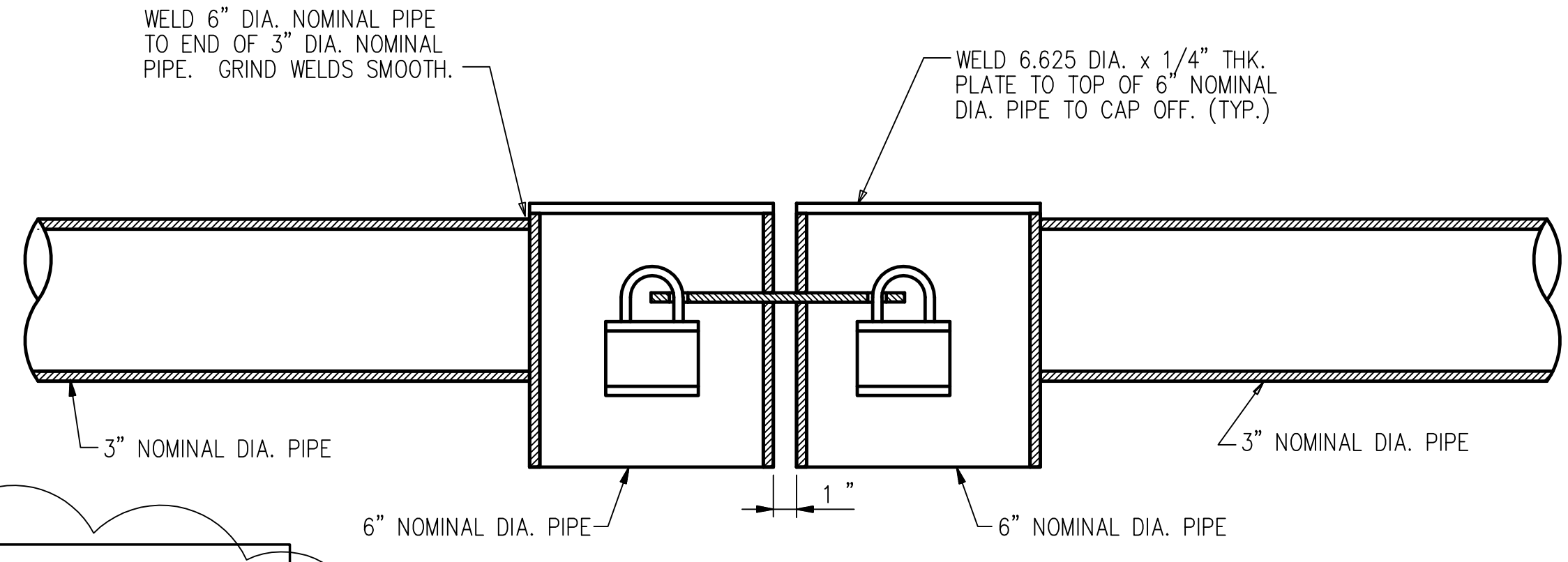
Scale For Microfilming  
Inches  
Millimeters

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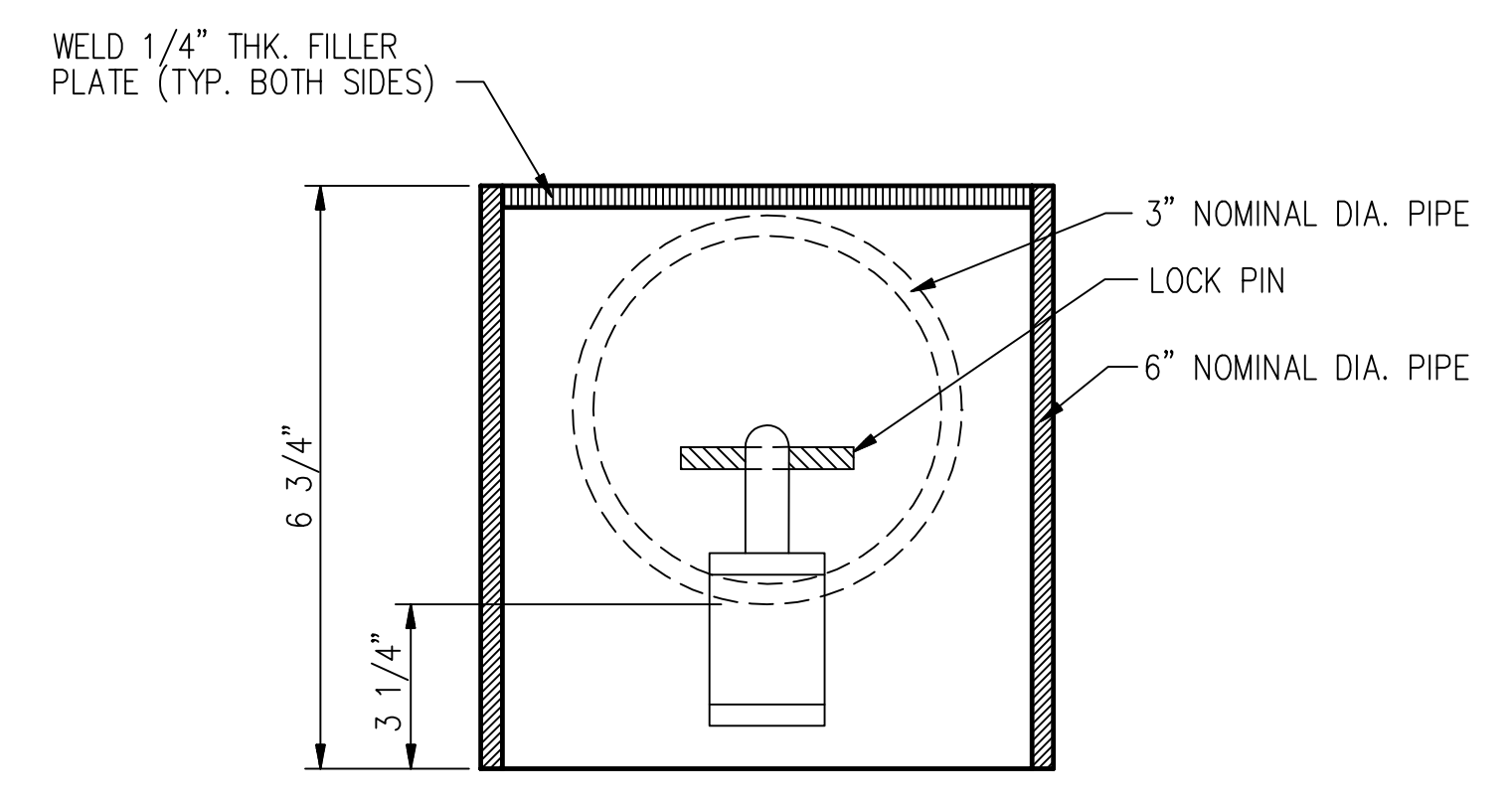


DETAIL NOT TO SCALE  
A  
C-3/C-3

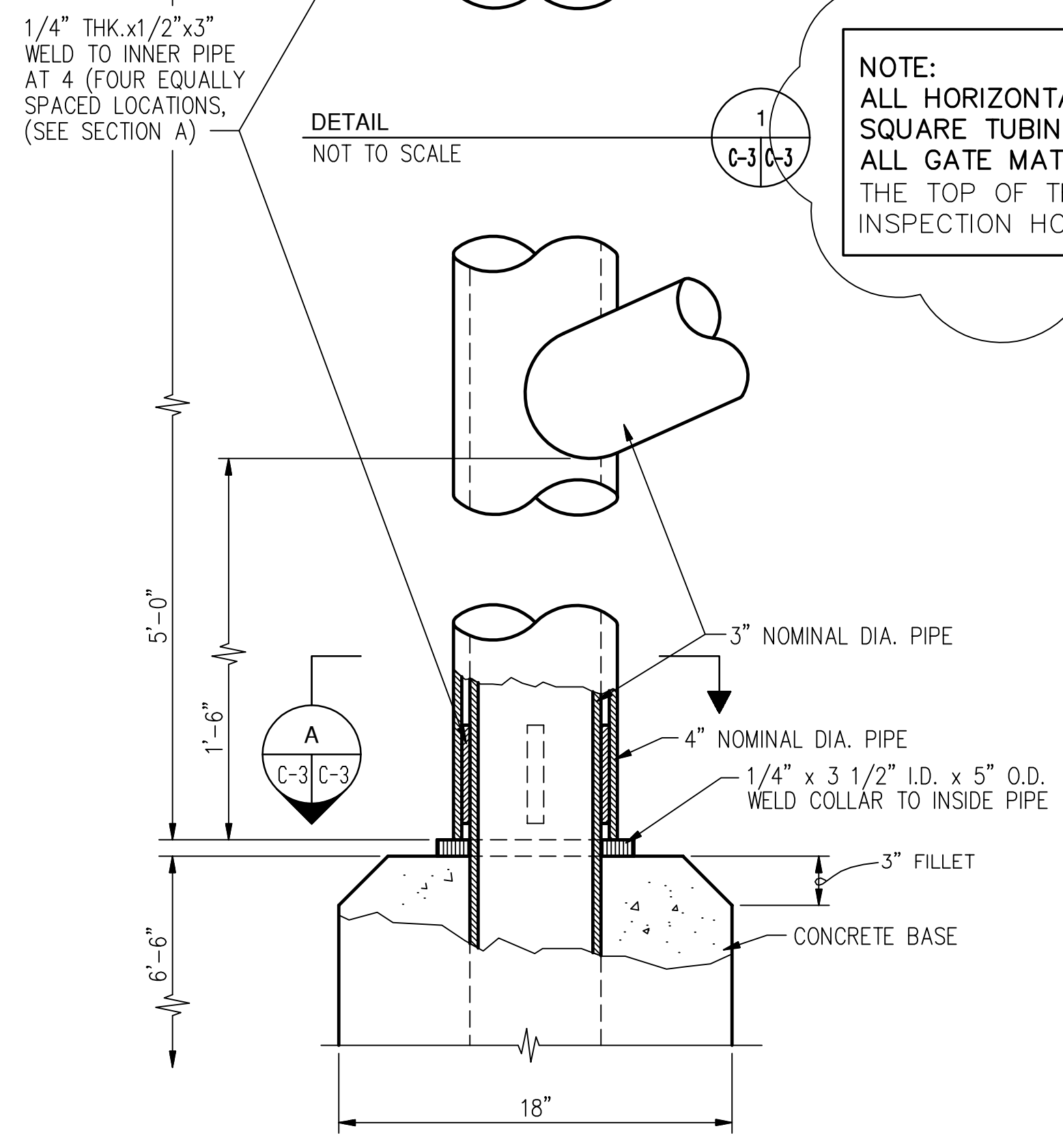
**NOTE:**  
ALL HORIZONTAL PIPES MODIFIED FROM ROUND TO 4" SQUARE TUBING x 1/4" THICK.  
ALL GATE MATERIALS ARE GALVANIZED.  
THE TOP OF THE LOCK BOX SHALL HAVE 4" WASP NEST INSPECTION HOLE w/#3 EXPANDED METAL



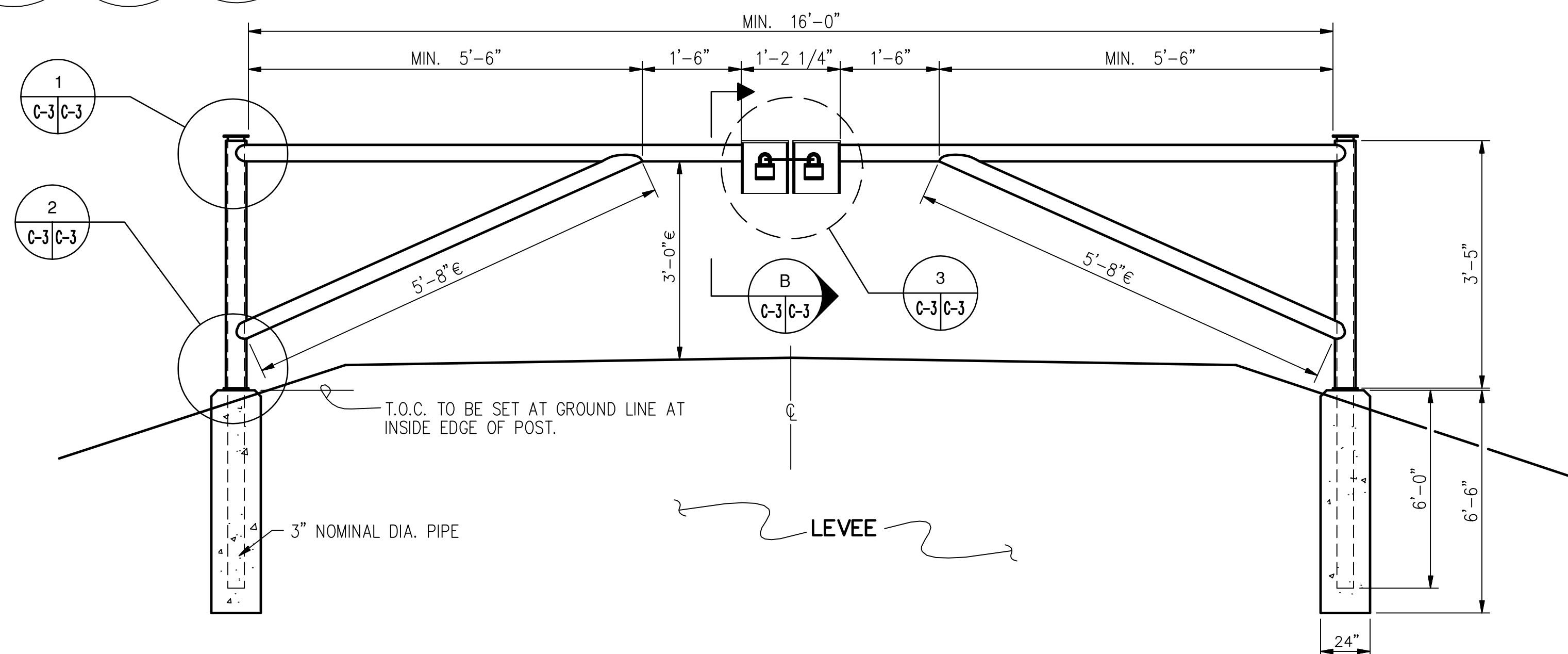
DETAIL NOT TO SCALE  
3  
C-3/C-3



SECTION NOT TO SCALE  
B  
C-3/C-3

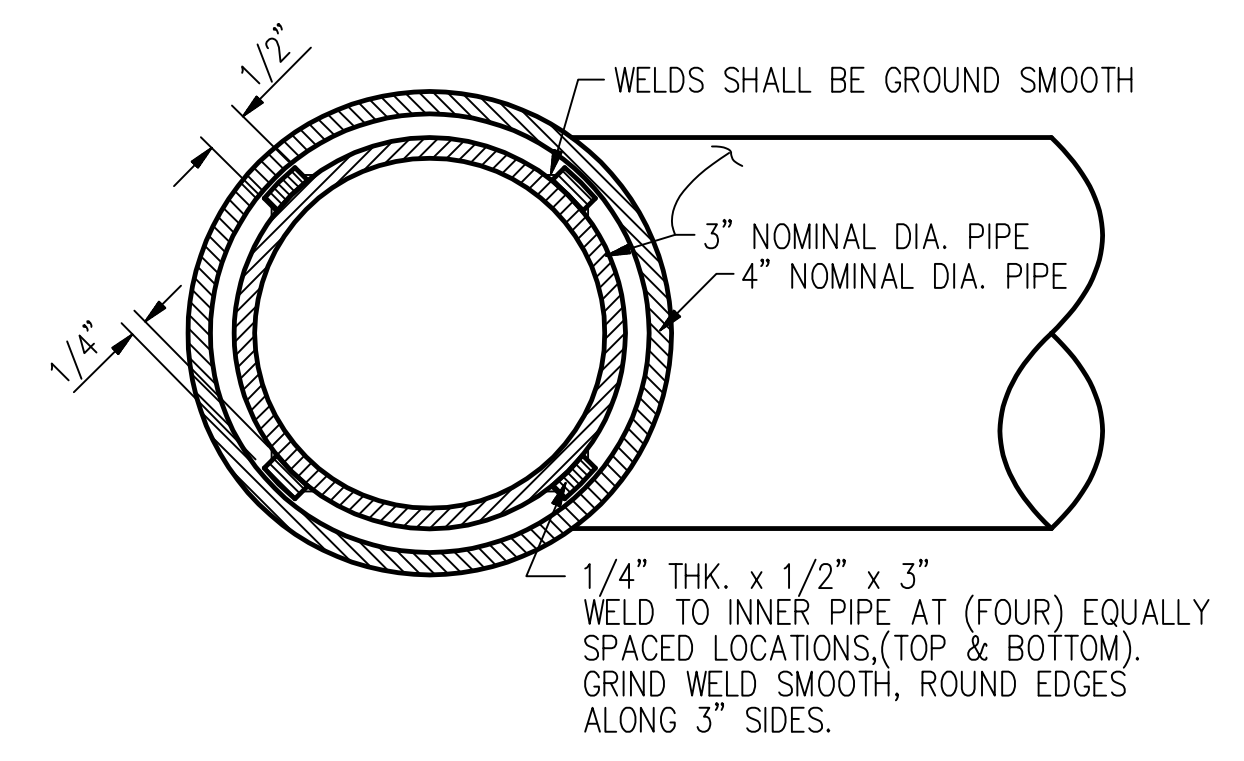


DETAIL NOT TO SCALE  
2  
C-3/C-3



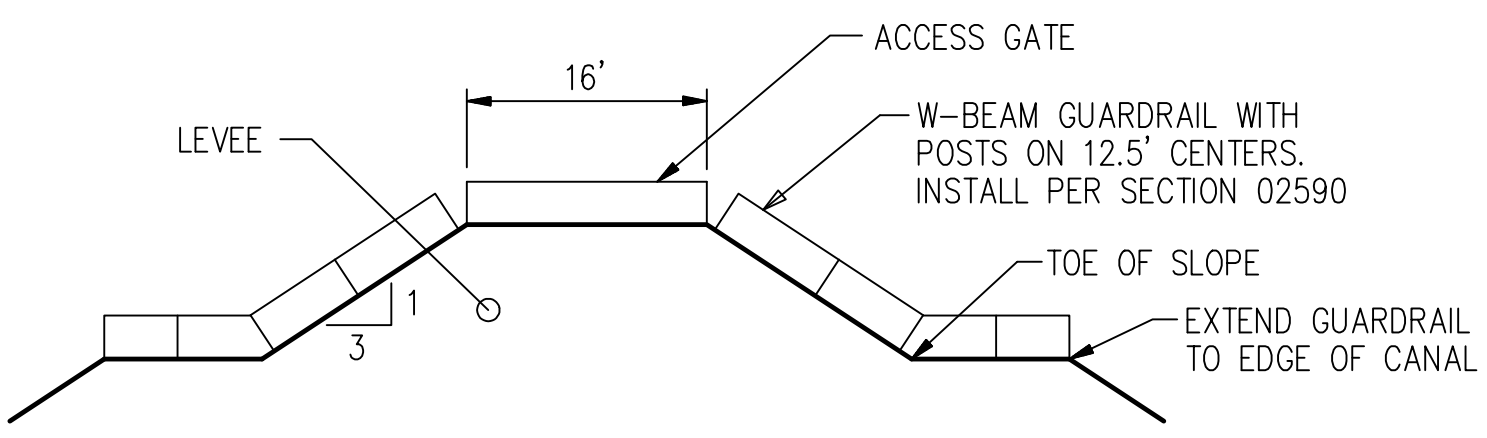
ELEVATION - NO-HINGE PIPE GATE  
NOT TO SCALE

PIPE DIMENSION		
NOMINAL DIAMETER IN.	OUTSIDE DIAMETER IN.	INSIDE DIAMETER IN.
2	2.375	2.067
3	3.500	3.068
4	4.500	4.026
6	6.625	6.065

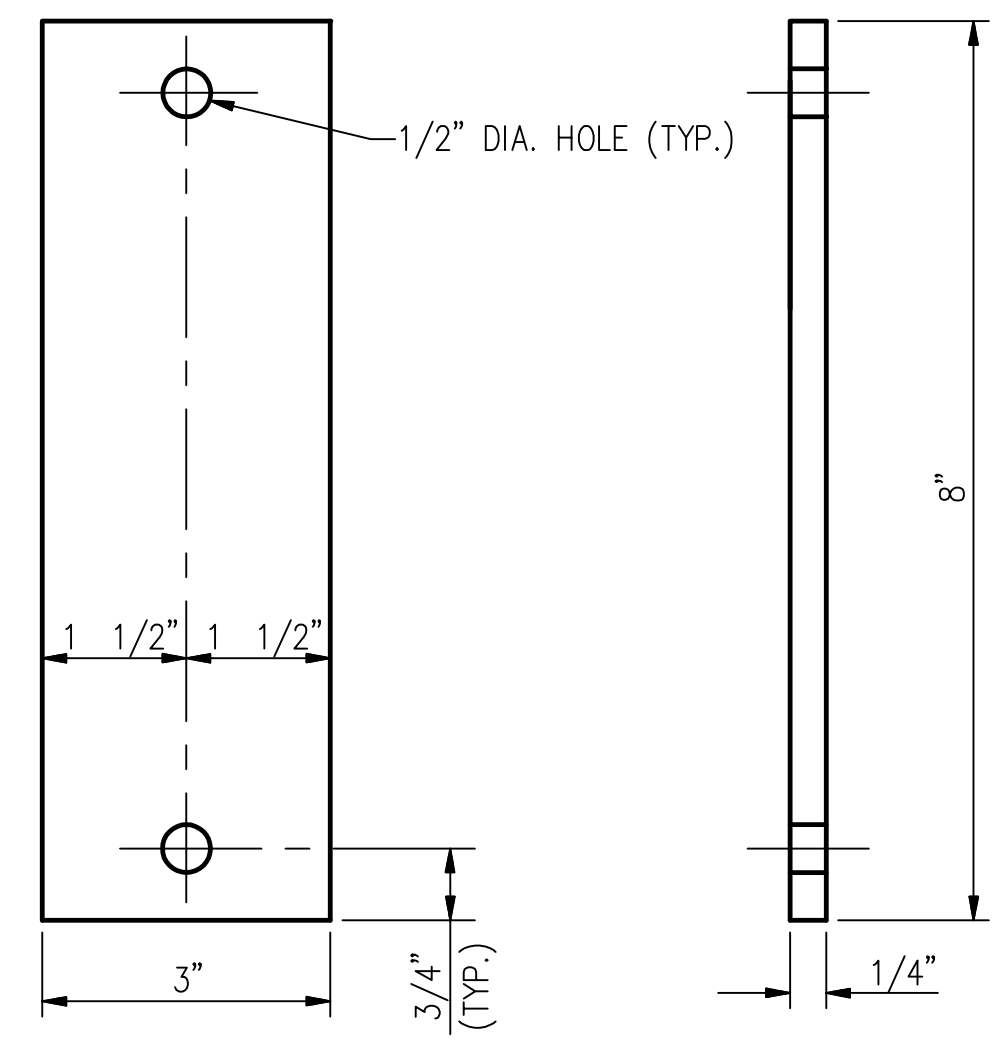


SECTION NOT TO SCALE  
A  
C-3/C-3

- GENERAL NOTES:**
- ALL JOINTS SHALL BE WELDED ALL AROUND & WELDS TO BE GROUND SMOOTH
  - ALL METAL TO BE PAINTED W/ 1 COAT PRIMER & 2 COATS HIGH VISIBILITY YELLOW ENAMEL W/ NIGHT VISION SAFETY STRIPES.
  - TOTAL OF SIX PIPE GATES REQUIRED. SEE DRAWINGS C-108, C-109, C-110, C-208 & C-209 FOR PIPE GATE LOCATIONS.



ACCESS GATE DETAIL  
NOT TO SCALE



LOCK PIN DETAIL  
NOT TO SCALE

<p><b>BURNS &amp; MCDONNELL</b> ENGINEERS, ARCHITECTS, &amp; CONSULTANTS METairie, LOUISIANA 70006 (504) 454-8866 License No. EB00008095</p>	<p><b>BROWN CUNNINGHAM GANNUCH</b> ENGINEERS, ARCHITECTS, &amp; CONSULTANTS METairie, LOUISIANA 70006 (504) 454-8866 License No. EB00008095</p>	<p><b>EVERGLADES CONSTRUCTION PROJECT</b> STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372 PIPE GATE DETAILS</p>	<p><b>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</b> EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>	<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>CHKD</th> <th>DATE</th> <th>REVISIONS</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	CHKD	DATE	REVISIONS					
NO.	DATE	CHKD	DATE	REVISIONS										

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

CONTRACT NO. C-E304  
DWG. NO. C-3

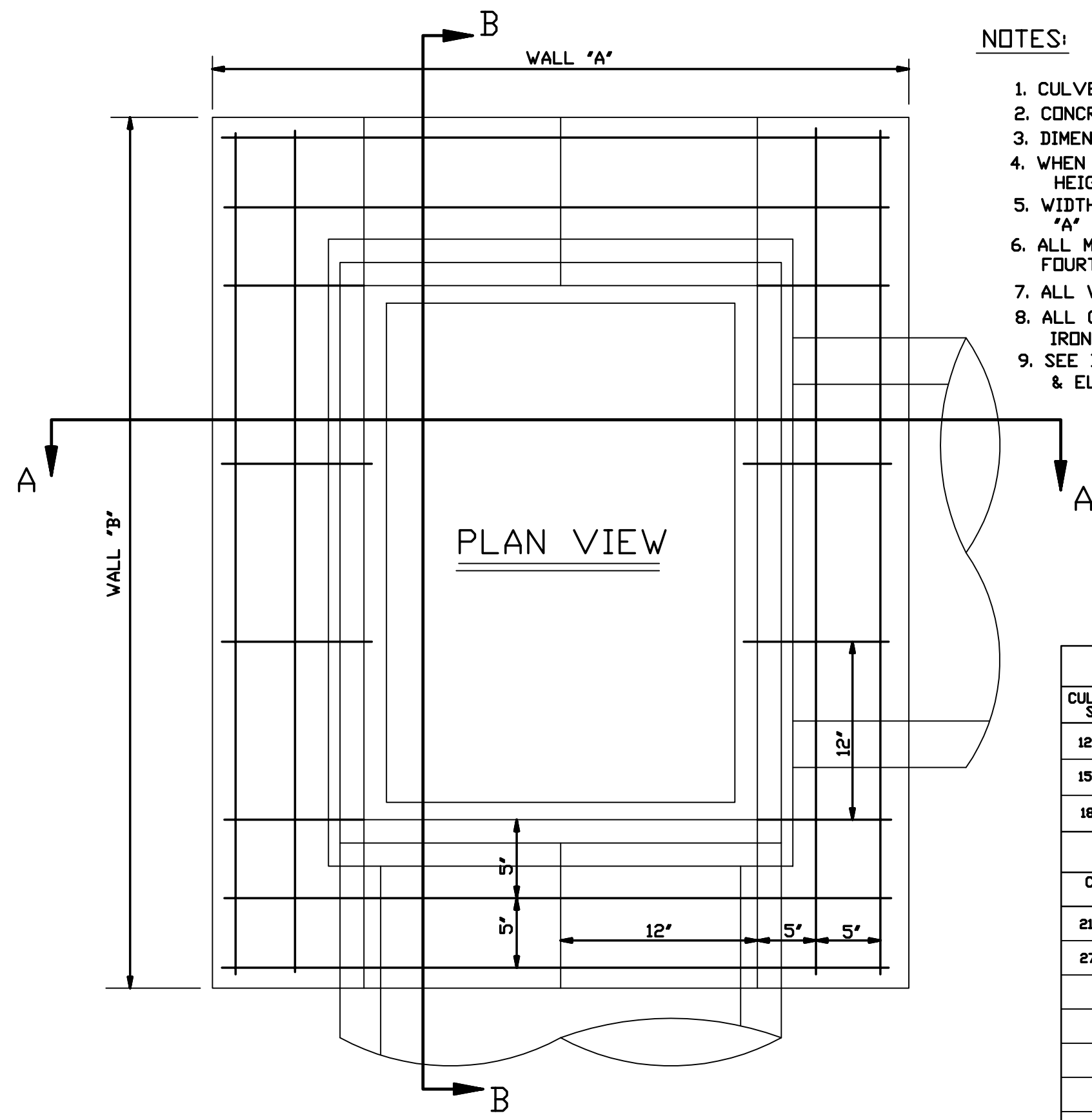
"RECORD DRAWINGS"





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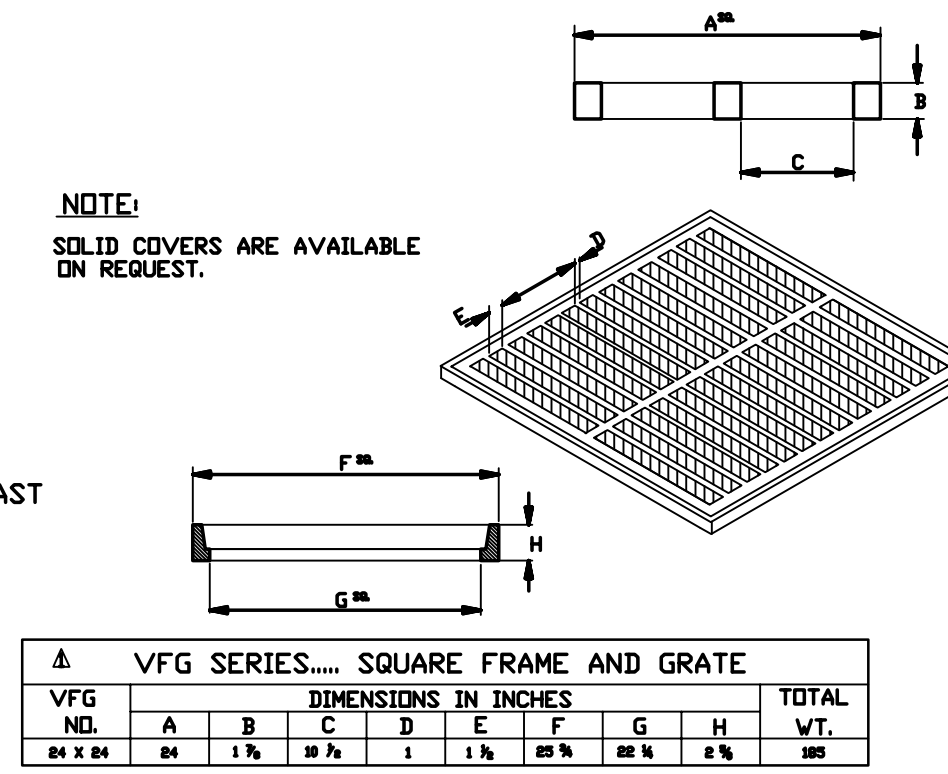
Scale For Microfilming  
Inches  
Millimeters



NOTES:

1. CULVERT SIZE SHOWN PERTAIN TO B & S PIPE. (UNLESS OTHERWISE SPECIFIED).
2. CONCRETE STRENGTH TO BE 3,000 PSI (MINIMUM) AT 28 DAYS.
3. DIMENSIONS FOR BOTTOM SLAB AS PER DIMENSIONS FOR WALLS 'A' AND 'B'.
4. WHEN BOX IS 7'- 0" OR LESS IN HEIGHT, WALLS TO BE 8" THICK. WHEN BOX HEIGHT IS GREATER THAN 7'- 0" BUT LESS 12'- 0", SEE DETAIL 'A'.
5. WIDTH OF SHELL BEDDING SHALL BE AS PER DIMENSIONS SHOWN FOR WALLS 'A' AND 'B' PLUS 2'- 0".
6. ALL MASONRY TO BE LAID WITH RUNNING BOND AND HEADER COURSE (EVERY FOURTH LAYER).
7. ALL WALLS TO BE PLASTERED INSIDE AND OUTSIDE (3/8" MIN. THICKNESS).
8. ALL GRATES AND FRAMES SHALL BE VULCAN FOUNDRY OR APPROVED EQUAL. IRON TYPE AND WITHOUT PAINT.
9. SEE DWGS. C-113, C-114, C-214 & C-215 FOR DROP INLET LOCATIONS & ELEVATIONS

ALL GREY CASTINGS FOR MANHOLES, AND CATCH BASINS OF ALL TYPES SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. A-48, CLASS 30, AND SHALL BE FURNISHED WITHOUT PAINT (ASSTDS 305-85)



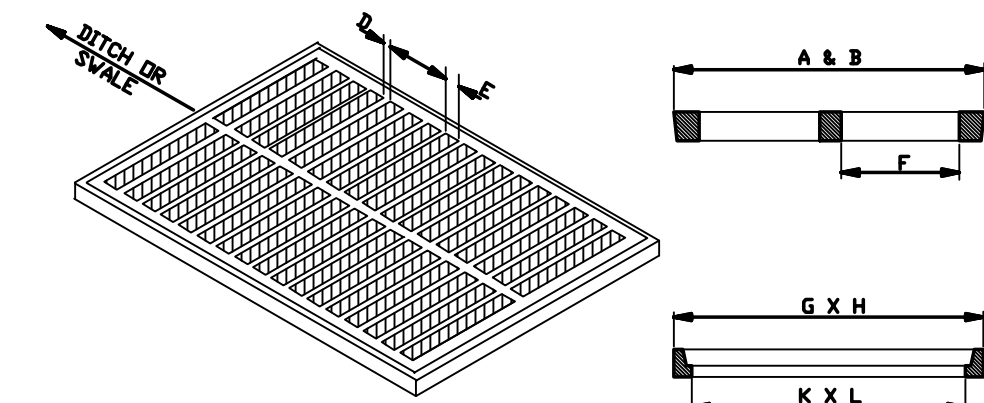
SQUARE D.I.

SQUARE "GRATE" (VFG 24 X 24)						
CULVERT SIZE	BOTTOM SLAB	TOP SLAB	C & D	CULVERT SIZE	BOTTOM SLAB	TOP SLAB
12" DIA.	3'-2" X 3'-2"	-	-	21" DIA. X 24" DIA.	4'-6" X 4'-6"	4'-6" X 4'-6"
15" DIA.	3'-2" X 3'-2"	-	-	27" DIA. X 30" DIA.	4'-6" X 4'-6"	4'-6" X 4'-6"
18" DIA.	3'-6" X 3'-6"	-	-	36" DIA.	5'-0" X 5'-0"	5'-0" X 5'-0"

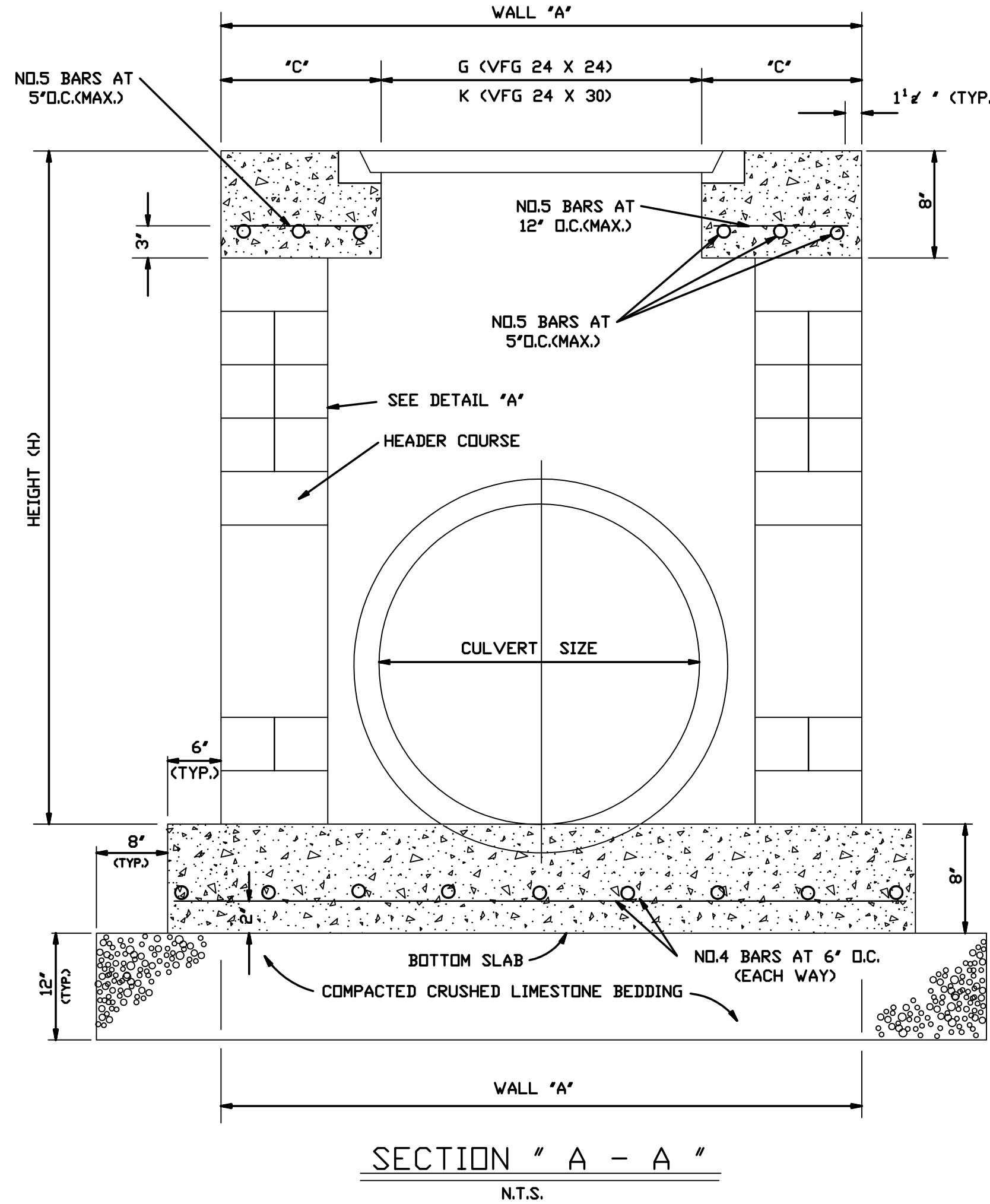
RECTANGULAR "GRATE" (VFG 24 X 30)						
CULVERT SIZE ON WALLS A & B	WALL "A"	"C"	WALL "B"	"D"		
21" DIA. & 24" DIA. B&S	4'-6"	14 1/2" (3 N.D.S. BARS)	5'-0"	14 1/2" (3 N.D.S. BARS)		
27" DIA. & 30" DIA. B&S	4'-6"	14 1/2" (3 N.D.S. BARS)	5'-0"	14 1/2" (3 N.D.S. BARS)		
36" DIA. B&S	5'-0"	17 1/2" (4 N.D.S. BARS)	5'-0"	14 1/2" (3 N.D.S. BARS)		
42" DIA. B&S	5'-0"	20 1/2" (4 N.D.S. BARS)	5'-0"	17 1/2" (4 N.D.S. BARS)		
48" DIA. B&S	6'-0"	23 1/2" (4 N.D.S. BARS)	6'-0"	20 1/2" (4 N.D.S. BARS)		
54" DIA. B&S	6'-0"	27 1/2" (5 N.D.S. BARS)	6'-0"	24 1/2" (5 N.D.S. BARS)		
60" DIA. B&S	7'-6"	32 1/2" (6 N.D.S. BARS)	7'-6"	29 1/2" (6 N.D.S. BARS)		
72" DIA. B&S	8'-8"	39 1/2" (8 N.D.S. BARS)	8'-8"	36 1/2" (7 N.D.S. BARS)		

B & S = BELL & SPIGOT  
T & G = TONGUE & GROOVE  
W.I. = WROUGHT IRON

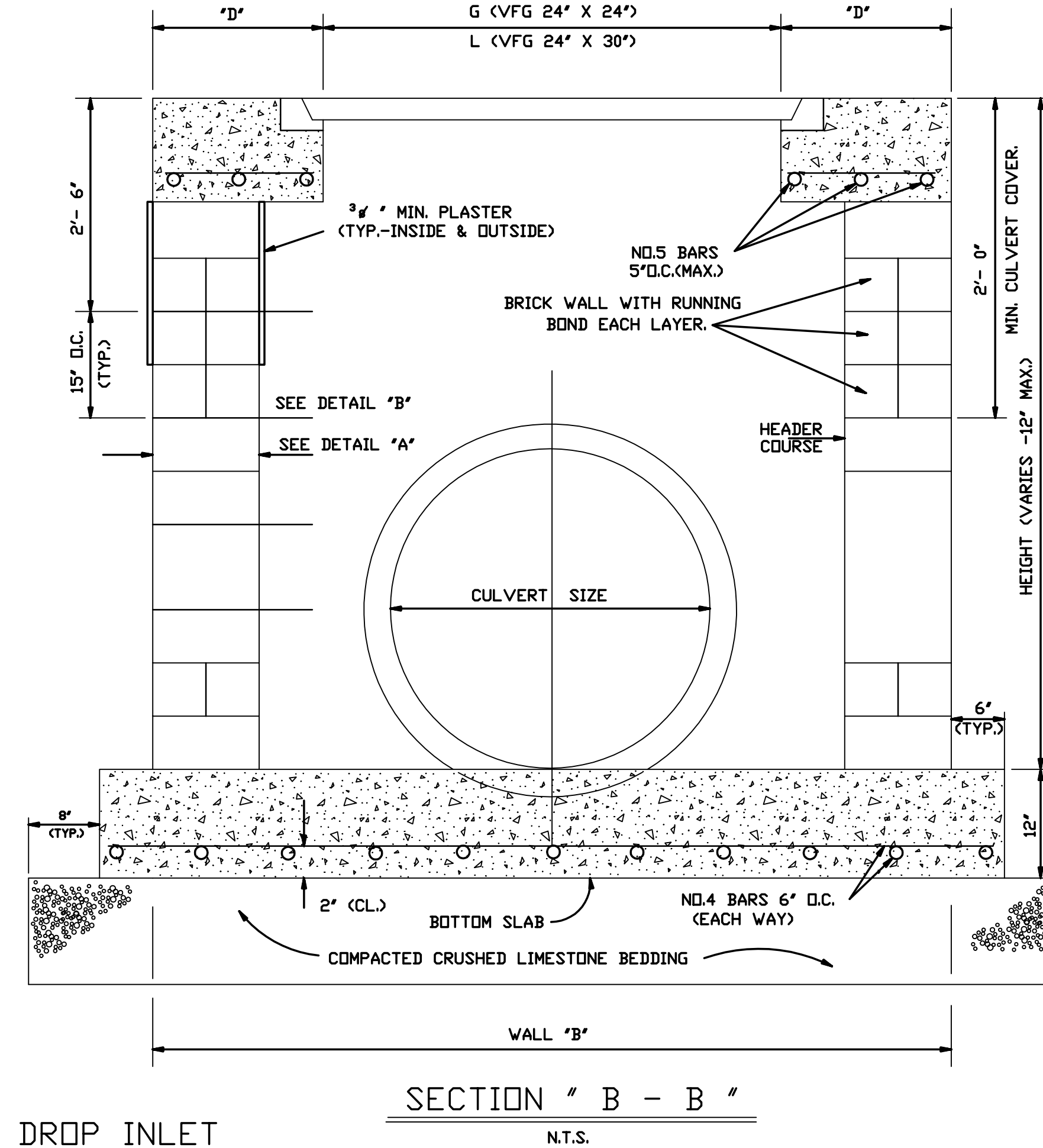


RECTANGULAR D.I.

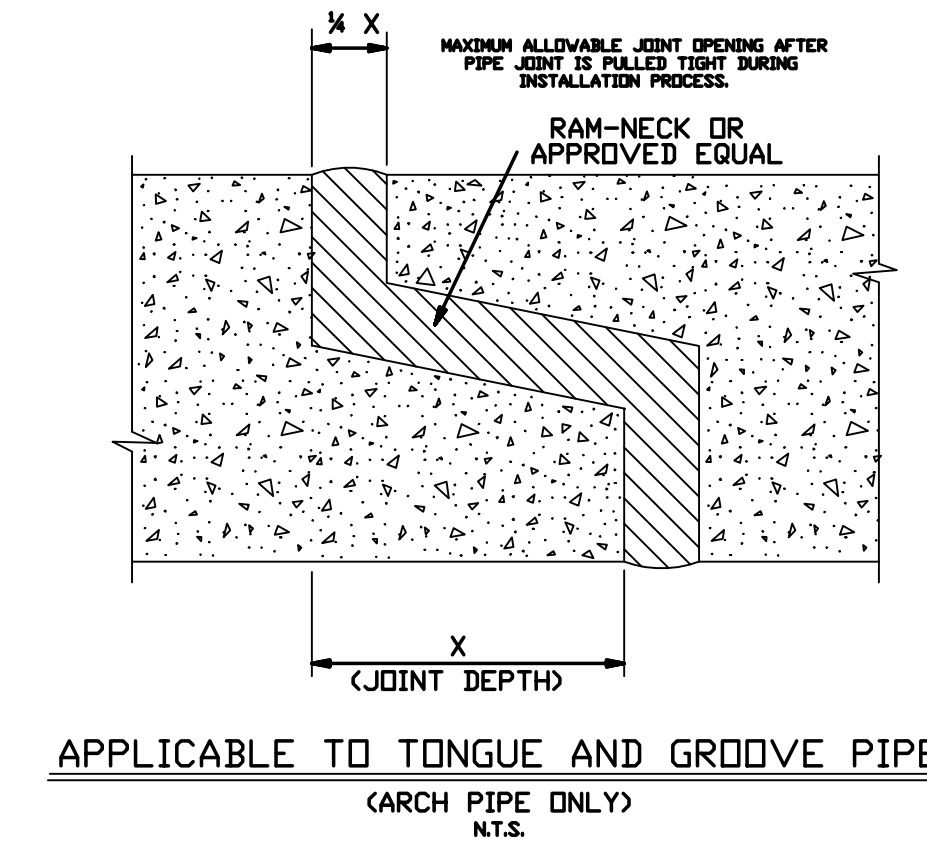
VFG SERIES... RECTANGULAR FRAME AND GRATE												
VFG NO.	DIMENSION IN INCHES											TOTAL WT.
	A	B	C	D	E	F	G	H	J	K	L	
24 X 30	24	30	1 1/2	1	1 1/2	27 1/2	24	2 1/2	24 1/2	30 1/2	200	



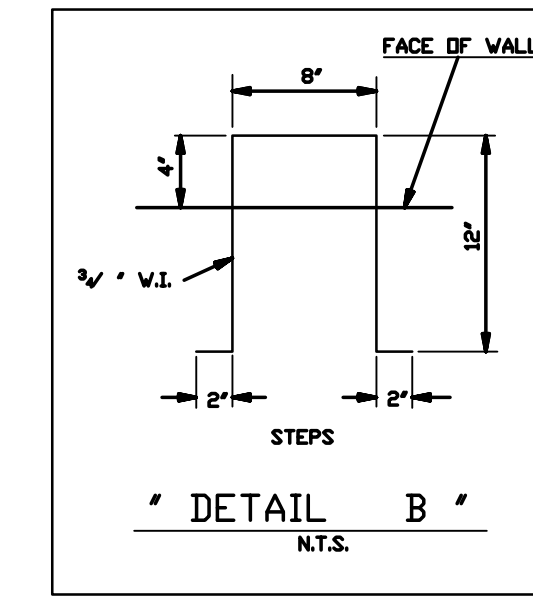
SECTION "A - A" N.T.S.



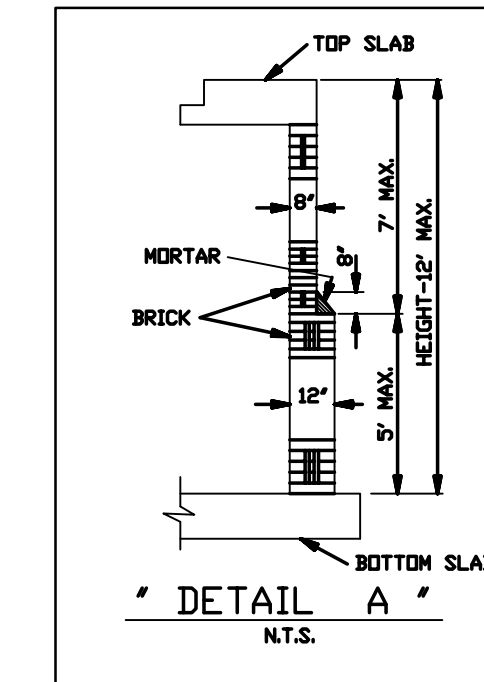
SECTION "B - B" N.T.S.



APPLICABLE TO TONGUE AND GROOVE PIPE (ARCH PIPE ONLY) N.T.S.



DETAIL "B" N.T.S.



DETAIL "A" N.T.S.

EVERGLADES CONSTRUCTION PROJECT  
STORMWATER TREATMENT AREA NO. 3/4  
PUMP STATIONS G-370 & G-372  
DROP INLET DETAILS

BURNS & MCDONNELL  
SINCE 1938  
9400 WARD PARKWAY  
KANSAS CITY, MO 64114  
Certificated: ER0000253  
Engineer: BMD

Brown Cunningham Gannuch  
ARCHITECTS & CONSULTANTS  
METairie, LOUISIANA 70006  
(504) 454-3866  
License No. EB00008095

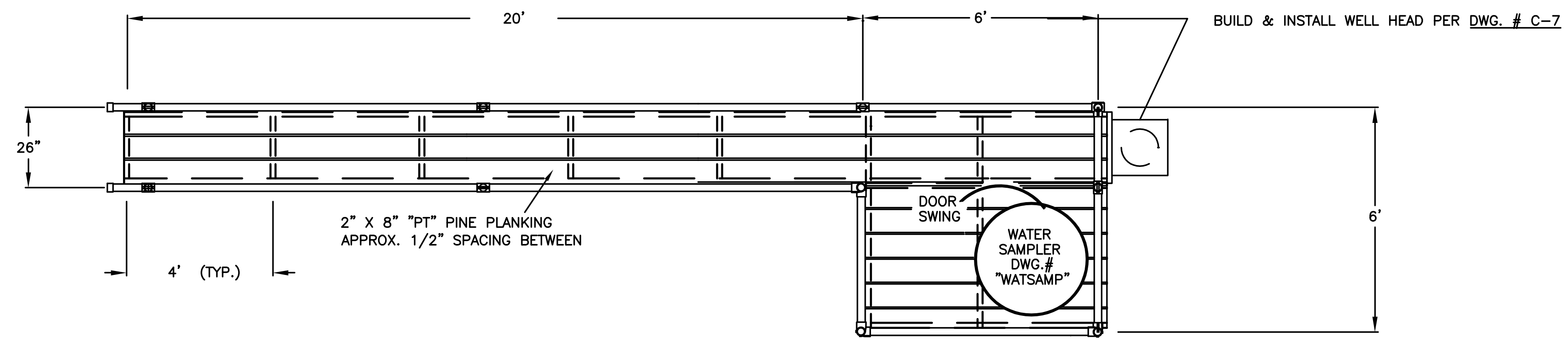
NO.	DWN	CHKD	DATE	REVISIONS
1				
2				
3				
4				
5				

CONTRACT NO. C-E304  
DWG. NO. C-5

"RECORD DRAWINGS"

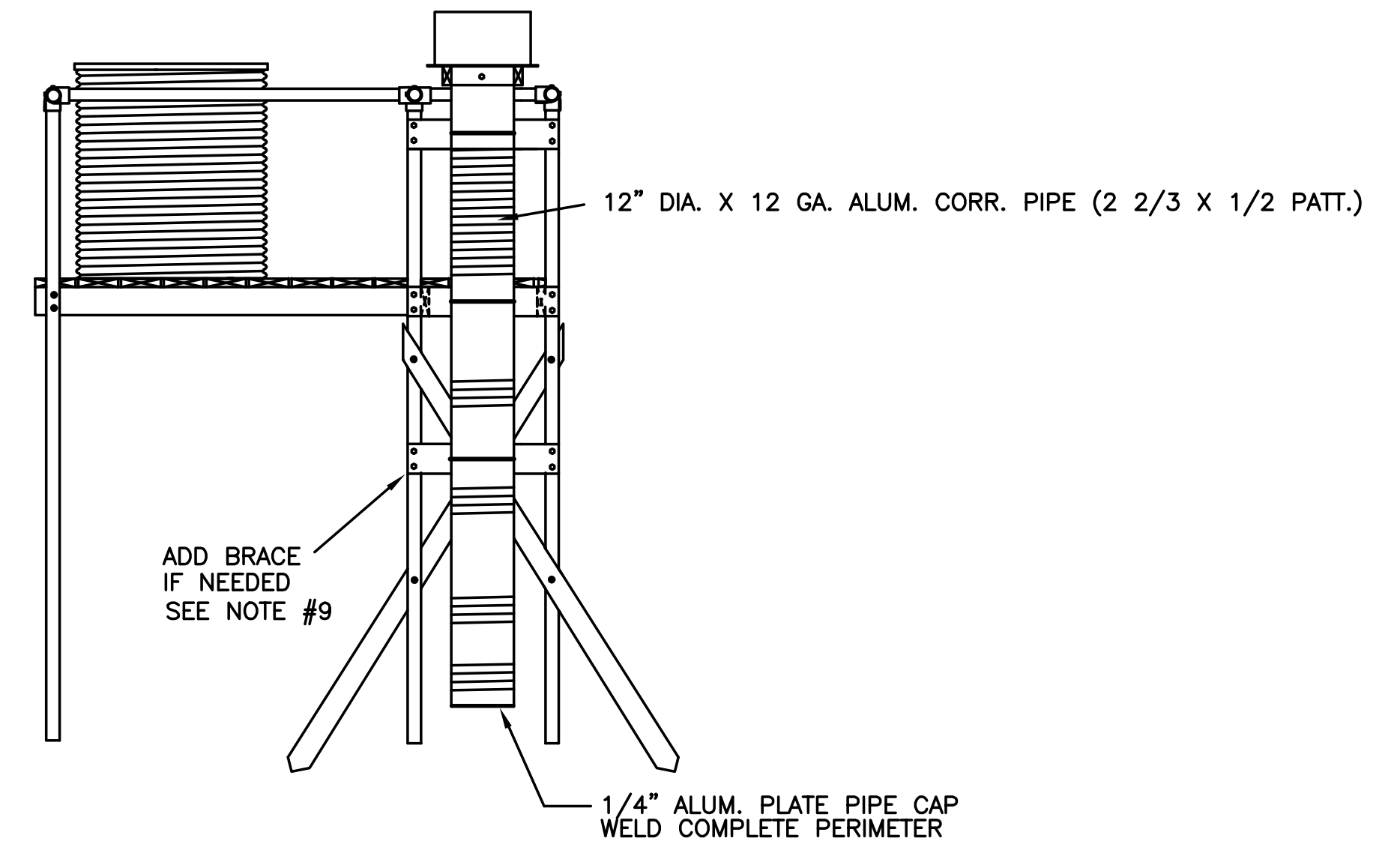
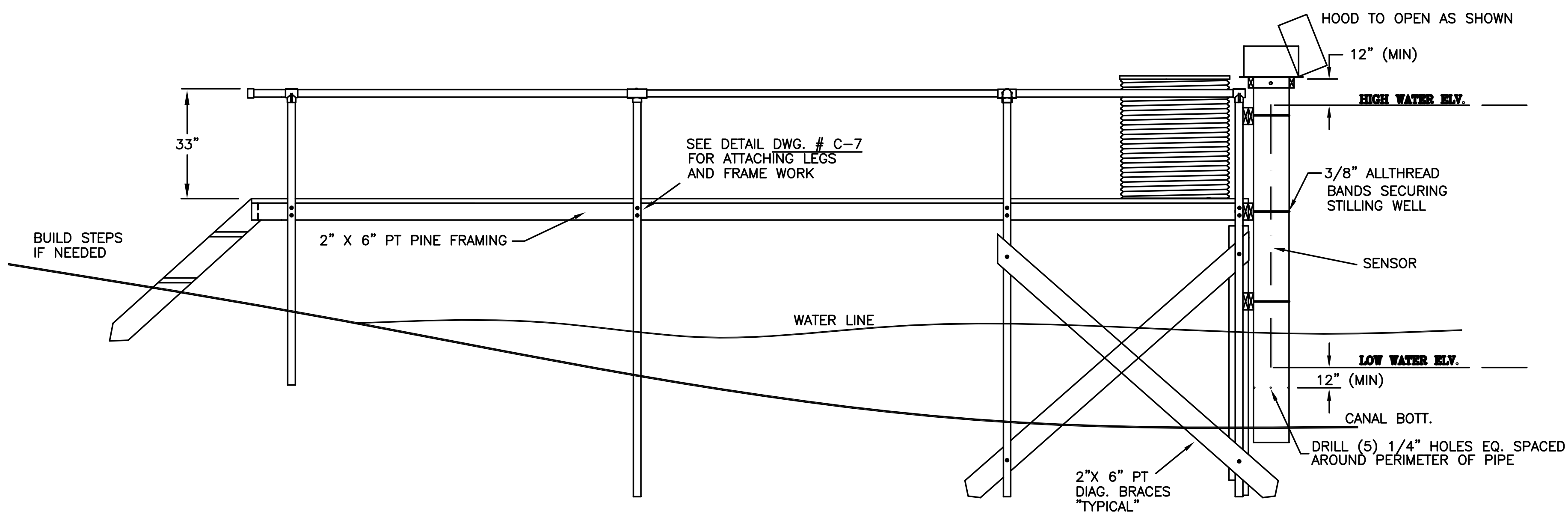


THESE DIMENSIONS REFLECT A TYPICAL 26' LONG WALKWAY INSTALLATION  
 THE ACTUAL LENGTH OF EACH WALKWAY MUST BE DETERMINED BY EACH SITE CONDITION BASED ON "ALL" ELEVATION REQUIREMENTS FOR THAT SITE  
 IT IS THE CONTRACTOR'S RESPONSIBILITY TO PRICE EACH SITE BASED ON "THEIR" MEASUREMENTS AS NEEDED TO OBTAIN ALL ELEVATIONS REQUIRED BY THE SFWMD



- NOTES:
- 1.- GENERAL COFIGURATION SHOWN. ACTUAL CONFIGURATION DETERMINED BY SPECIFIC SITE REQUIREMENTS
  - 2.- BRACING SHOWN IS BASIC. ADDITIONAL BRACES MIGHT BE NEEDED TO OBTAIN A STABLE PLATFORM.
  - 3.- STAINLESS STEEL FASTENERS THRU-OUT
  - 4.- ALL WOOD TO BE PRESSURE TREATED
  - 5.- STAGGER PLANKING JOINTS
  - 6.- ALL PIPE RAILING JOINTS ARE KEE-KLAMP ALUM. WITH SS SET SCREWS (OR EQUIV.)
  - 7.- ALL CONSTRUCTION TO BE PLUMB, LEVEL AND STRAIGHT
  - 8.- ALL PLATFORM PIPING IS 2" HOT DIP GALV. SCHD. 80 WATER PIPE
  - 9.- IF THE DISTANCE BETWEEN THE WALK LEVEL AND CANAL BOTT. LEVEL EXCEEDS 8', A LOWER STILLING WELL BRACE IS REQUIRED
  - 10.- THE PIPE LEGS CAN BE DRIVEN EITHER MANUALLY OR HYDRAULICALLY. DRIVE TO REFUSAL, ADDING COUPLINGS AND LENGTHS AS REQUIRED. IN SPECIAL CASES WHERE EXTREMELY DEEP MUD OR SAND IS ENCOUNTERED, AN INSERTION NEEDED TO OBTAIN THE NECESSARY STABILITY SHOULD BE DETERMINED BY A QUALIFIED ENGINEER.
  - 11.- ALL NAILS ARE TO BE HOT DIP GALV.
  - 12.- USE 16d HOT DIP GALV. NAILS FOR FRAMING. USE 16d HOT DIP GALV. "RING SHANK" NAILS FOR PLANKING.

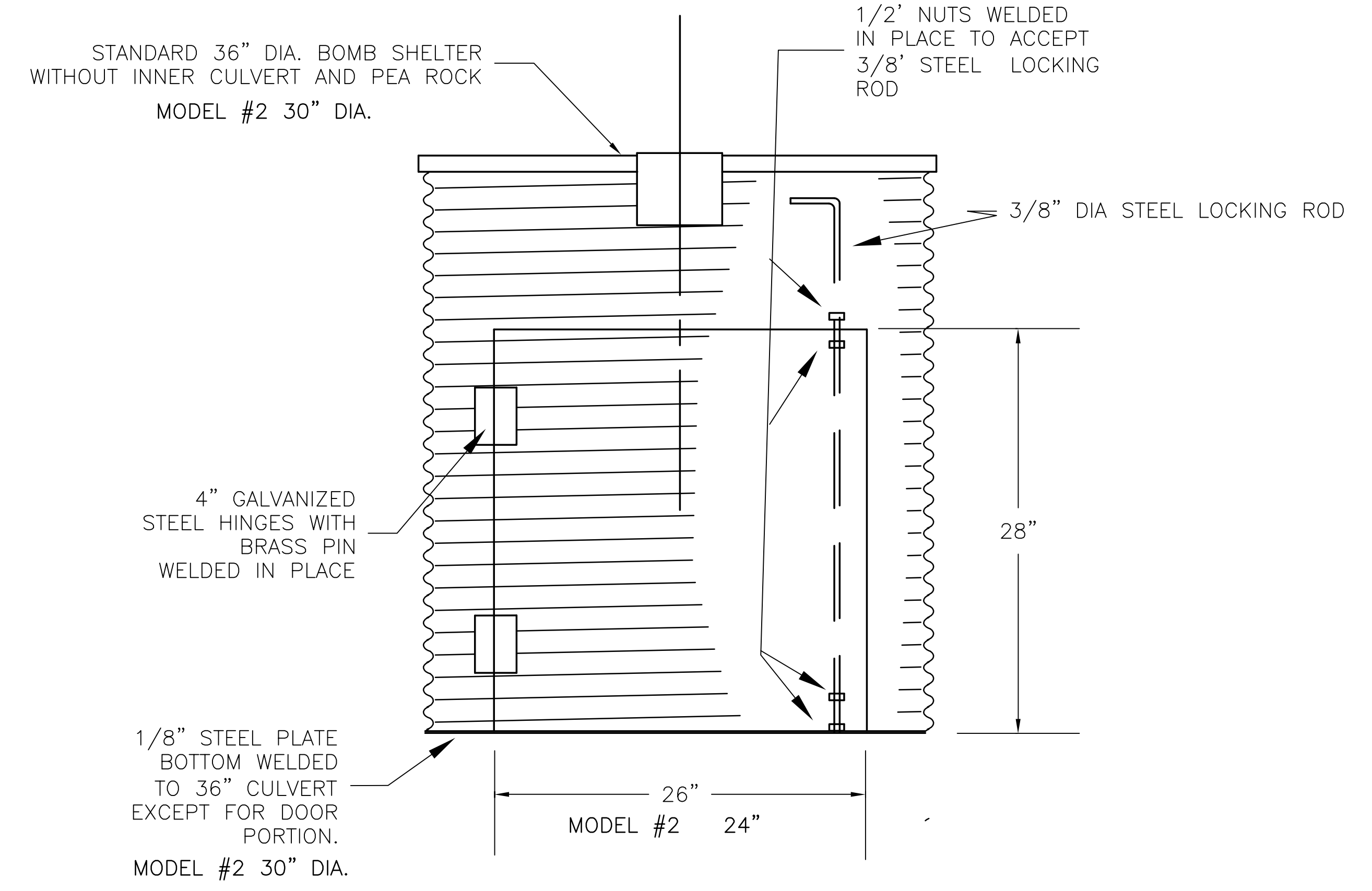
Scale For Microfilming  
Inches  
Millimeters



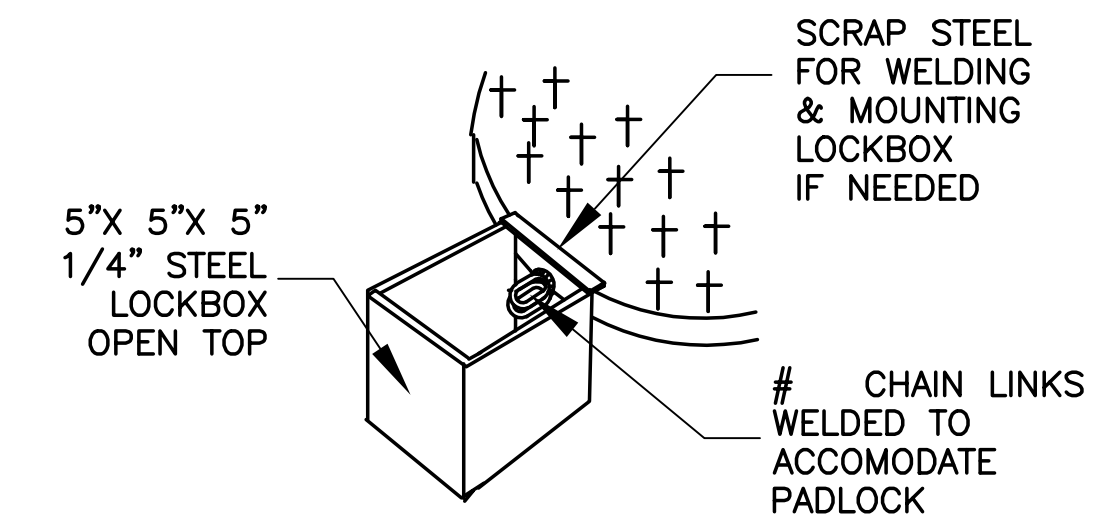
CDH	R/J	EJM	EJM	EJM	EJM	DATE	NO. DWN	CHKO	REVISIONS
CHKO	CHKO	DESIGN	CHKO	CHKO	DATE	6/1/2001			
<p><b>Brown Cunningham Gannuch</b>                  ENGINEERS, ARCHITECTS &amp; CONSULTANTS                  METairie, LOUISIANA 70006                  (504) 454-3866                  License No. EB00008095</p>									
<p><b>Burns &amp; McDonnell</b>                  SINCE 1888                  9400 WARD PARKWAY                  KANSAS CITY, MO. 64114                  Certificate: EB0000253                  BUDG. 24930</p>									
EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 WATER SAMPLER/ WELL CONFIGURATION									
SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406									
Rodney J. Gannuch, P.E. FLA. C.E. REG. NO. 53545									
CONTRACT NO. C-E304 DWG. NO. C-6									

"RECORD DRAWINGS"

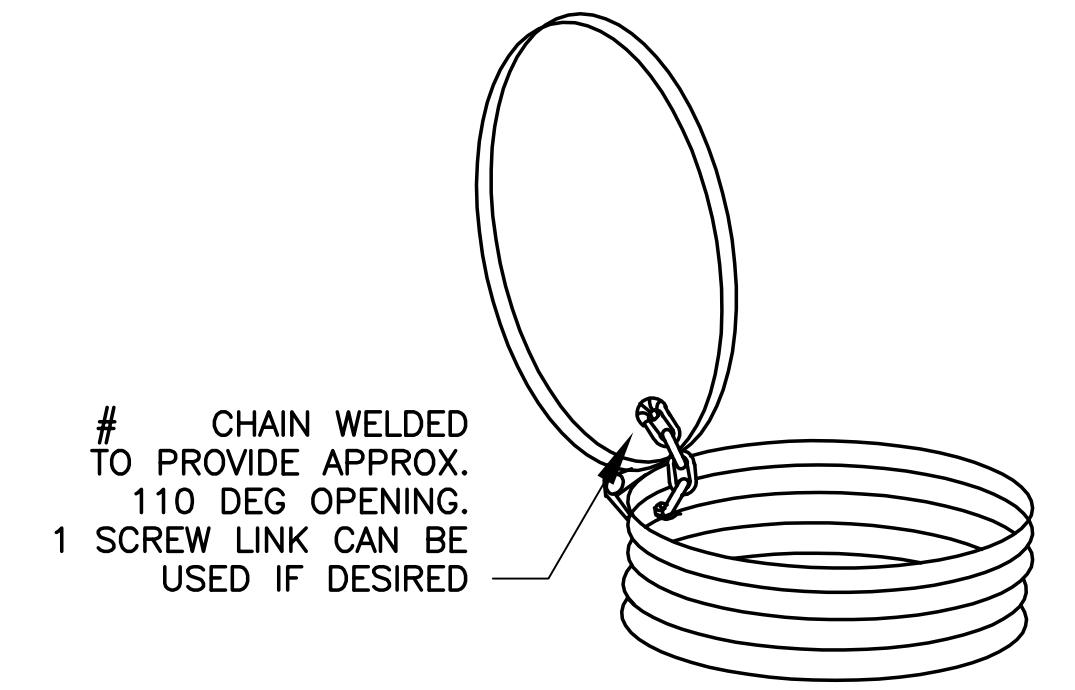
W.HERRMANN & LEE HENNICK  
6/16/97  
bmsh16.dwg



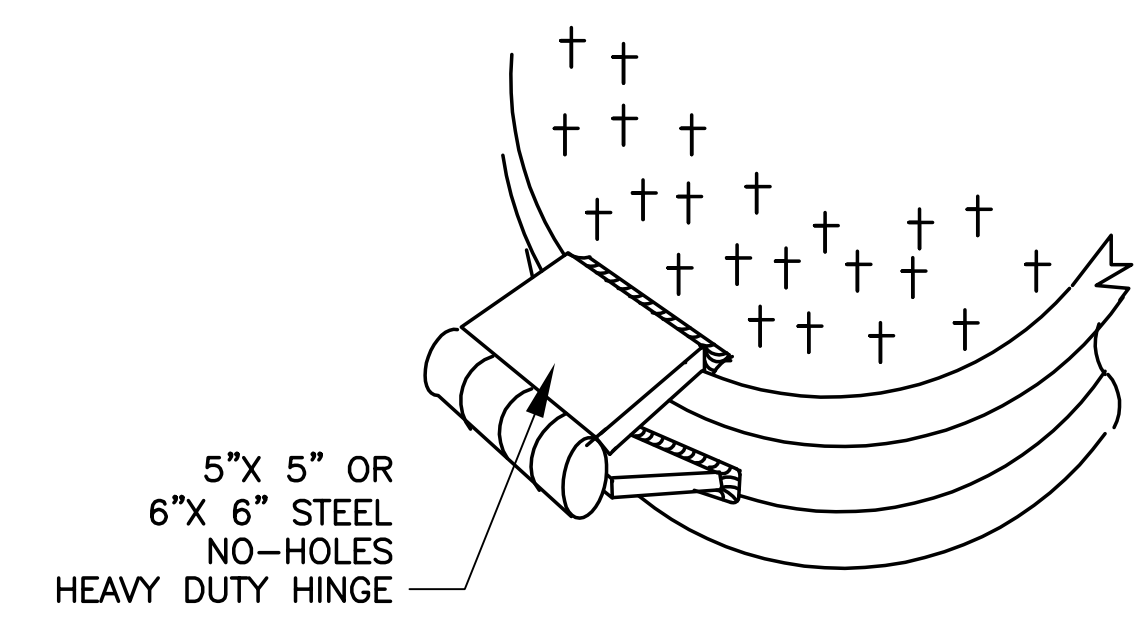
SAMPLER BOMB SHELTER – MODEL #1 & #2  
40" HIGH WITH WELDED BOTTOM



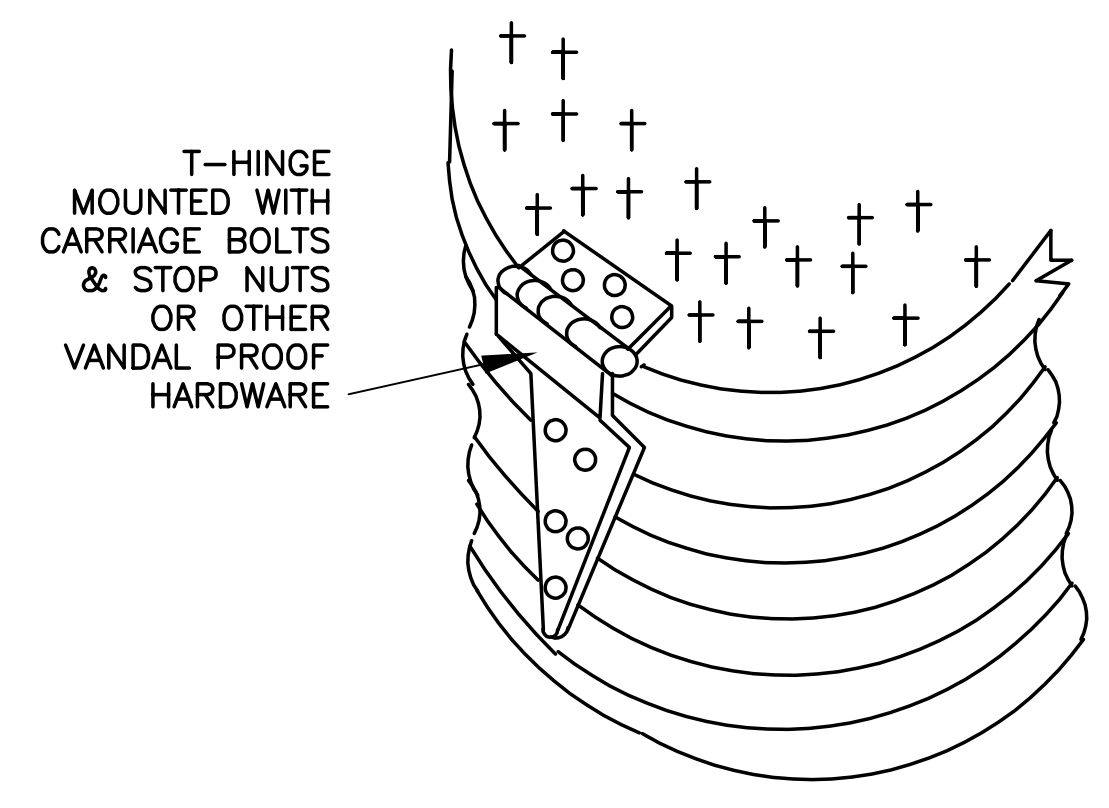
LOCK BOX



CHAIN HOLD-BACK



WELDED HINGE



BOLTED HINGE

NO.	DATE	REVISIONS
1	6-01-01	DRAWING ADDED PER ADDENDUM NO.1
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		

CDH	R/JG	EJM	EJM	EJM	EJM
DRAWN	CHKD	DESIGN	CHKD	DATE	6/1/2001
CDH	CHKD	DESIGN	CHKD	DATE	6/1/2001
CDH	CHKD	DESIGN	CHKD	DATE	6/1/2001
CDH	CHKD	DESIGN	CHKD	DATE	6/1/2001

<p><b>Brown Cunningham Gannuch</b> ENGINEERS • ARCHITECTS • CONSULTANTS METairie, LOUISIANA 70006 (504) 454-3886 License No. EB00008095</p>	<p>9400 WARD PARKWAY KANSAS CITY, MO 64114 Certified Professional Engineer #1863</p>	<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372</p>	<p>WATER SAMPLER/ WELL CONFIGURATION DETAILS</p>
		<p>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</p>	<p>EVERGLADES CONSTRUCTION PROJECT 3301 SUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>

<p>Rodney J. Gannuch, P.E. FLA. C.E. REG. NO. 53545</p>
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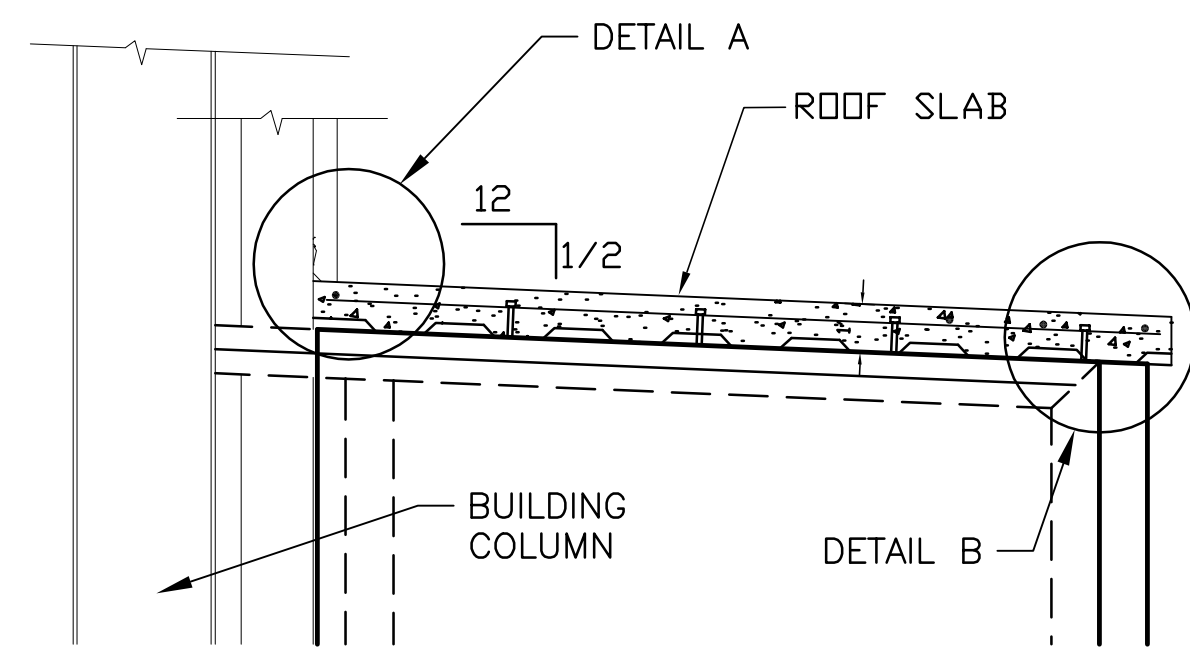
<p>CONTRACT NO. C-E304 DWG. NO. C-7</p>
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"RECORD DRAWINGS

Scale For Microfilming  
Inches  
Millimeters

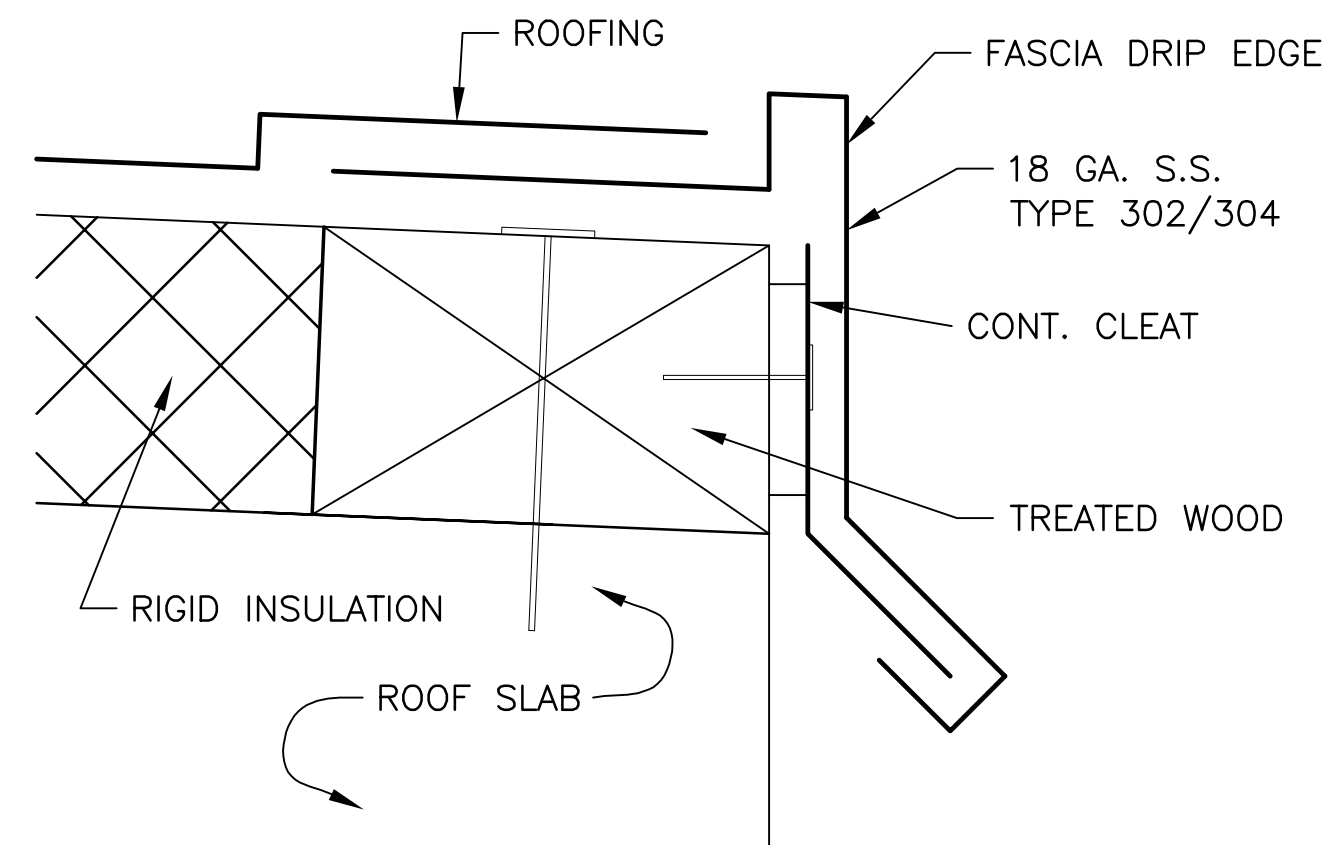
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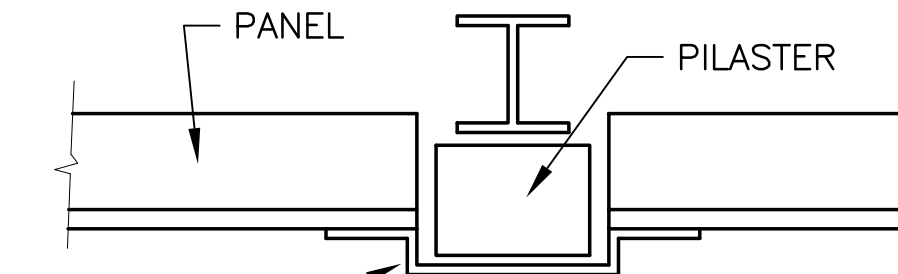
PARTIAL SECTION OF ROOF SLAB

0' 2'-0" 4'-0" 6'-0" 8'-0"  
SCALE: 1/8" = 1'-0"



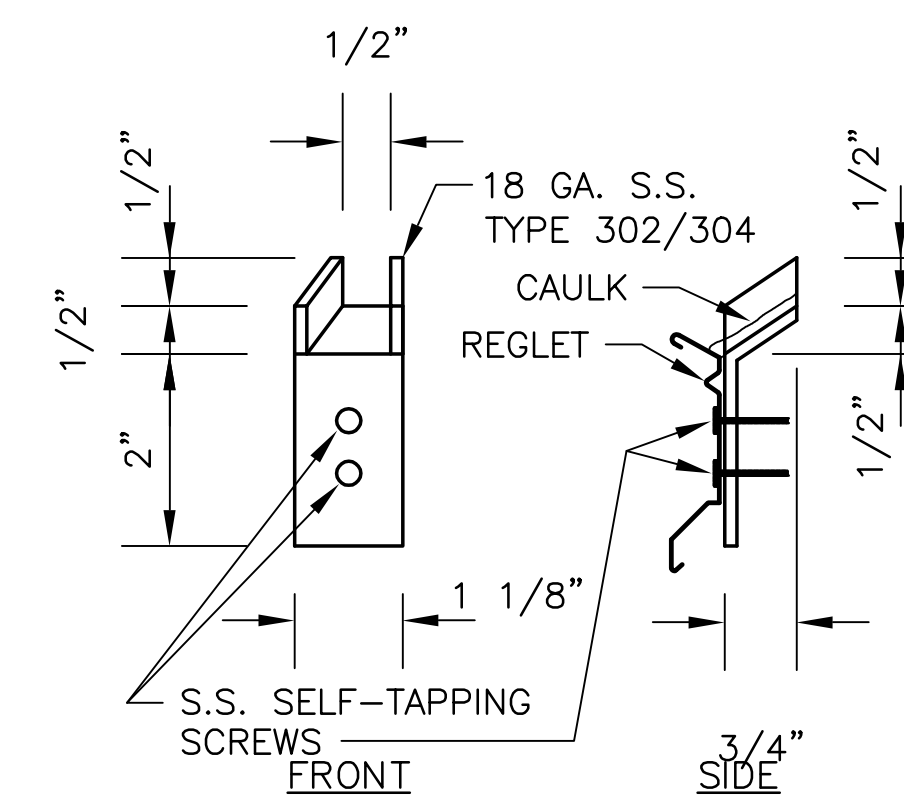
DETAIL B

0 6" 1'-0" 2'-0"  
SCALE: 3/4" = 1'-0"

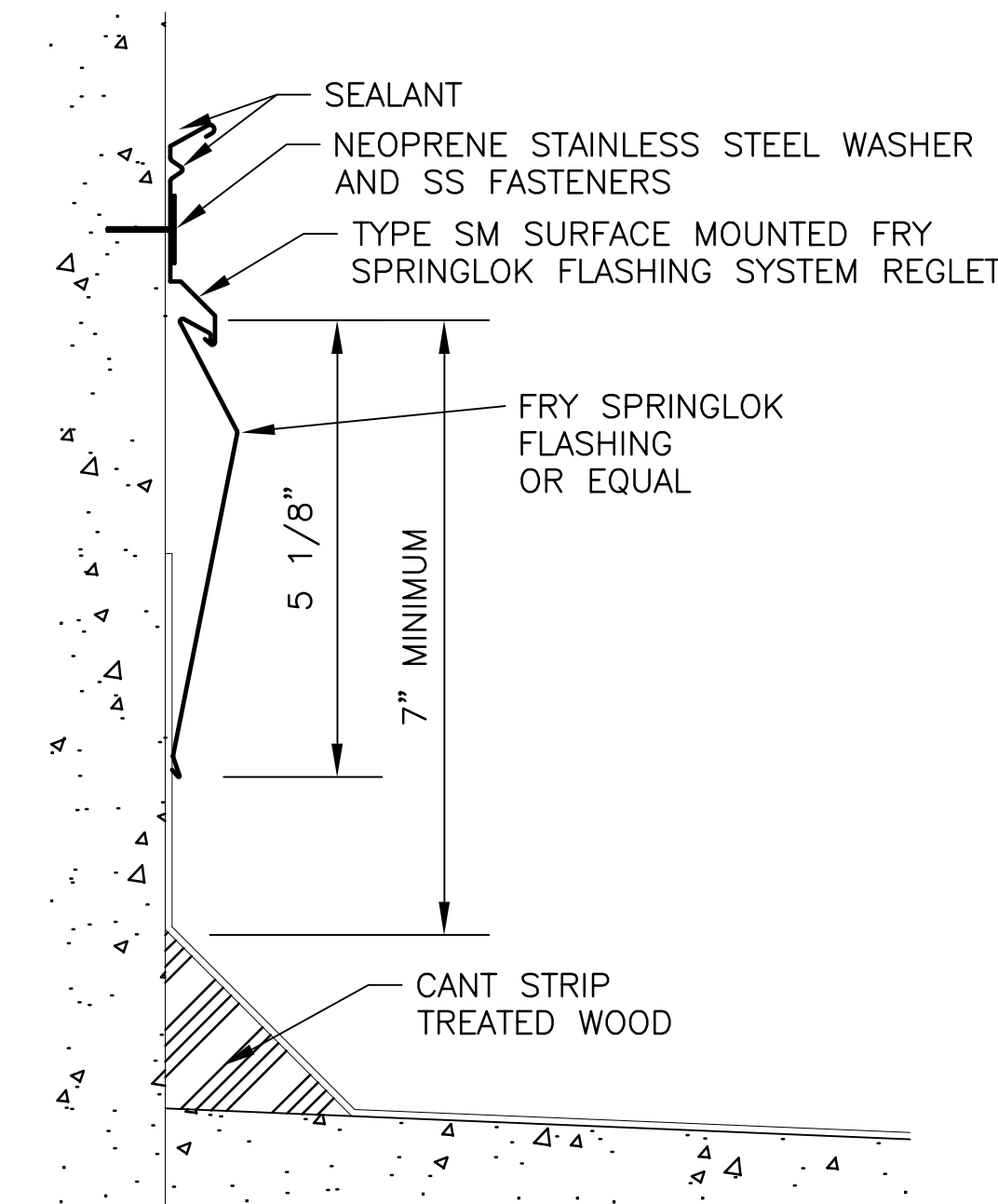


INSTALL REGLET & FLASHING WITH FACTORY MITERED & WELDED CORNERS AROUND PILASTERS

PARTIAL PLAN  
FLASHING AT PILASTERS  
SCALE: NTS

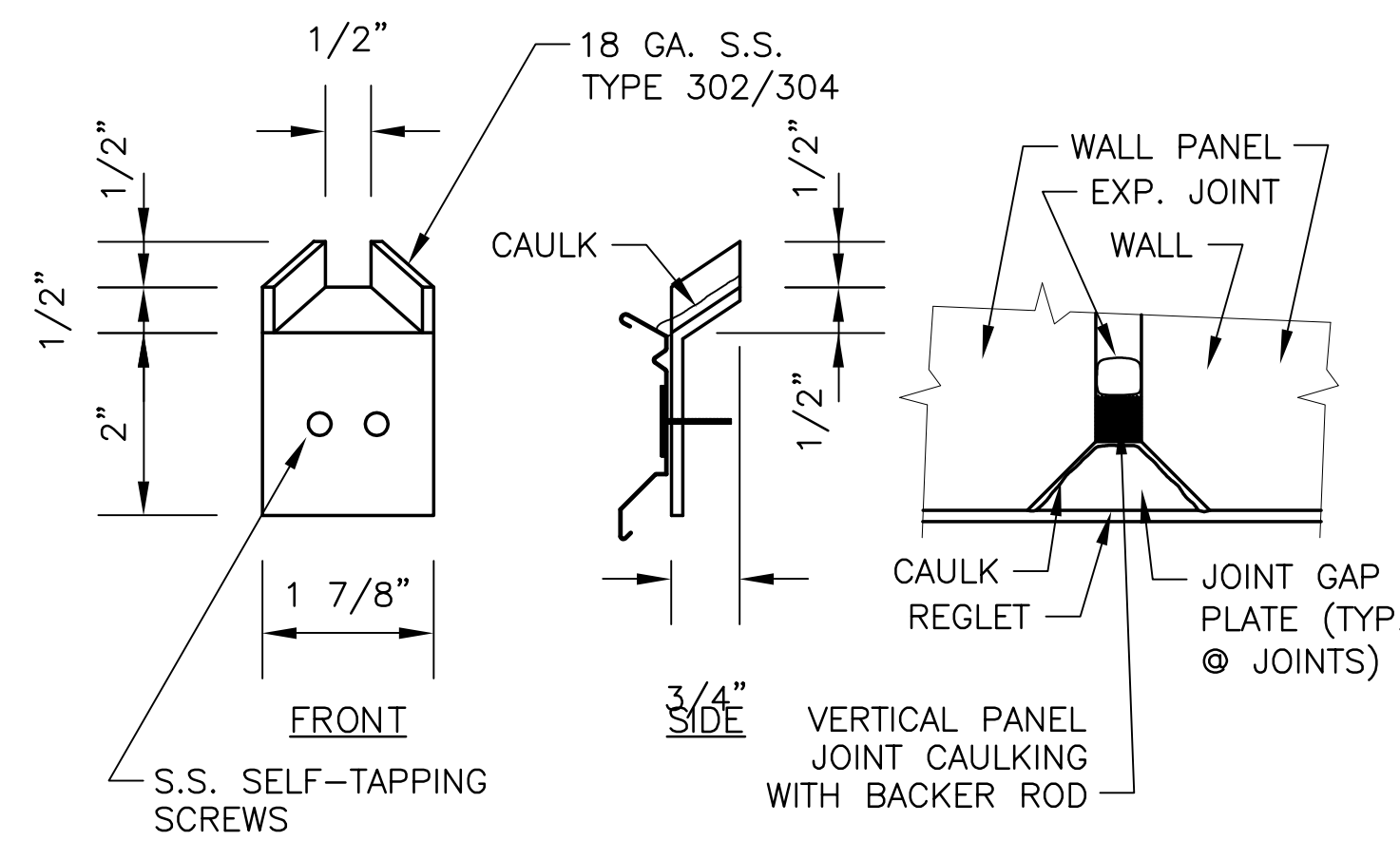


0 2" 4" 6"  
SCALE: 3" = 1'-0"



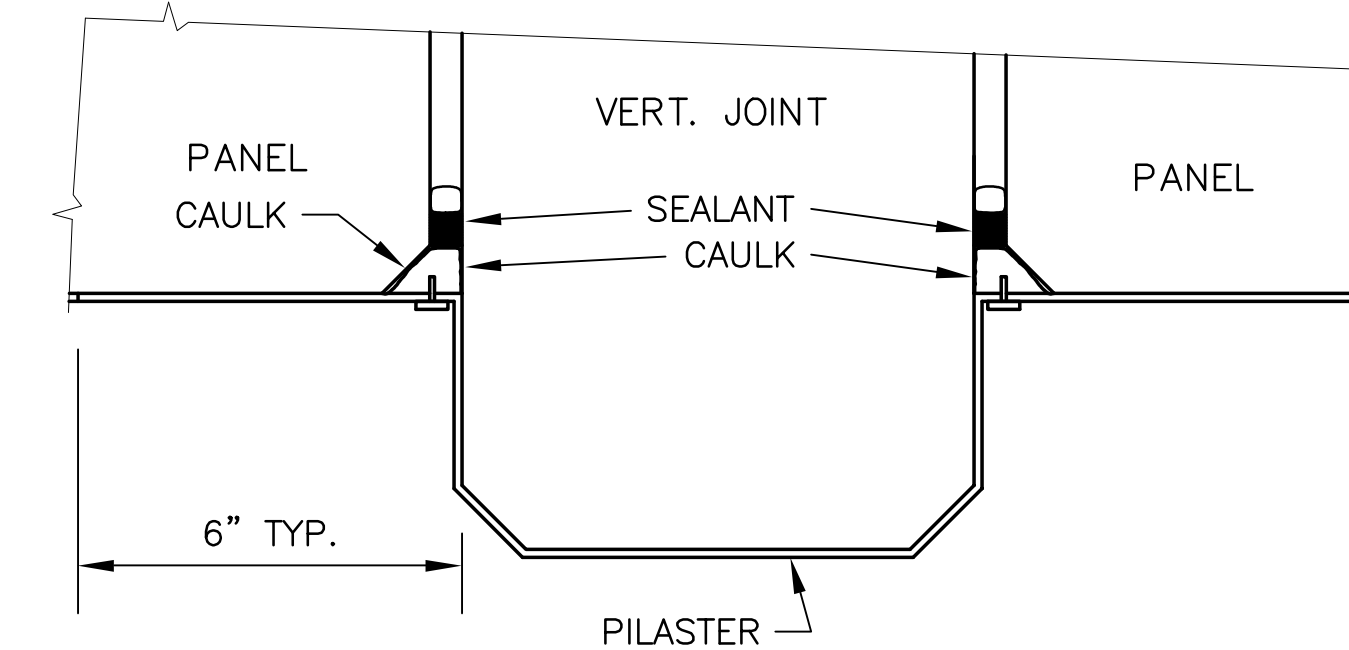
DETAIL A

0 2" 4" 6"  
SCALE: 3" = 1'-0"



WALL PANEL JOINT GAP PLATE

0 2" 4" 6"  
SCALE: 3" = 1'-0"



PILASTER JOINT GAP PLATE  
LEFT SIDE SHOWN - RIGHT SIDE IS OPPOSITE HAND

0 2" 4" 6"  
SCALE: 2" = 1'-0"

Scale For Microfilming  
Inches  
Millimeters

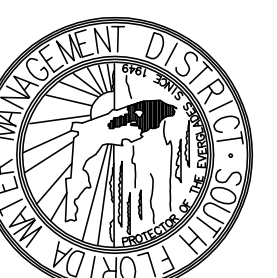
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<p><b>Brown Cunningham Gannuch</b> ENGINEERS - ARCHITECTS - CONSULTANTS METairie, LOUISIANA 70006 (504) 454-3866 License No. EB00008095</p>	<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372</p>	<p>RFI # 00143 FAN ENCLOSURE ROOF FLASHING DETAILS</p>	<p>DATE 11/04/02 ADDED PER RFI 00143</p>
<p>NO.   DWG.   CHKD.   DATE</p>	<p>DATE 11/02/04</p>	<p>NO.   DWG.   CHKD.   DATE</p>	<p>NO.   DWG.   CHKD.   DATE</p>
<p>DESIGN EJ</p>	<p>DESIGN EJ</p>	<p>DESIGN EJ</p>	<p>DESIGN EJ</p>
<p>CHKD. EJ</p>	<p>CHKD. EJ</p>	<p>CHKD. EJ</p>	<p>CHKD. EJ</p>
<p>DRAWN JSB</p>	<p>DRAWN JSB</p>	<p>DRAWN JSB</p>	<p>DRAWN JSB</p>
<p>CONTRACT NO. C-E304</p>	<p>CONTRACT NO. C-E304</p>	<p>CONTRACT NO. C-E304</p>	<p>CONTRACT NO. C-E304</p>
<p>DWG. NO. C-8</p>	<p>DWG. NO. C-8</p>	<p>DWG. NO. C-8</p>	<p>DWG. NO. C-8</p>

"RECORD DRAWINGS"

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545



CONTRACT NO.  
C-E304  
DWG. NO.  
C-8



BENCHMARK BM-11A (LOCATED ALONG EXIST. ROAD BEYOND DRAWING LIMITS)  
 N.G.S. BENCHMARK  
 N. 750801.94  
 E. 788587.88

LEVEE AND CANAL CONSTRUCTION BY OTHERS (NOT SHOWN)

LOCATION POINT  
 N 750278.95  
 E 789707.88

B/L STATION 292+00  
 LOCATION POINT  
 N 750130.08  
 E 789752.53

BASELINE STA. 292+00

STA. 3/4 R.O.W.

STA. 290+00

STA. 295+00

STA. 300+00

STA. 305+00

STA. 310+00

STA. 315+00

STA. 320+00

STA. 325+00

STA. 330+00

STA. 335+00

STA. 340+00

STA. 345+00

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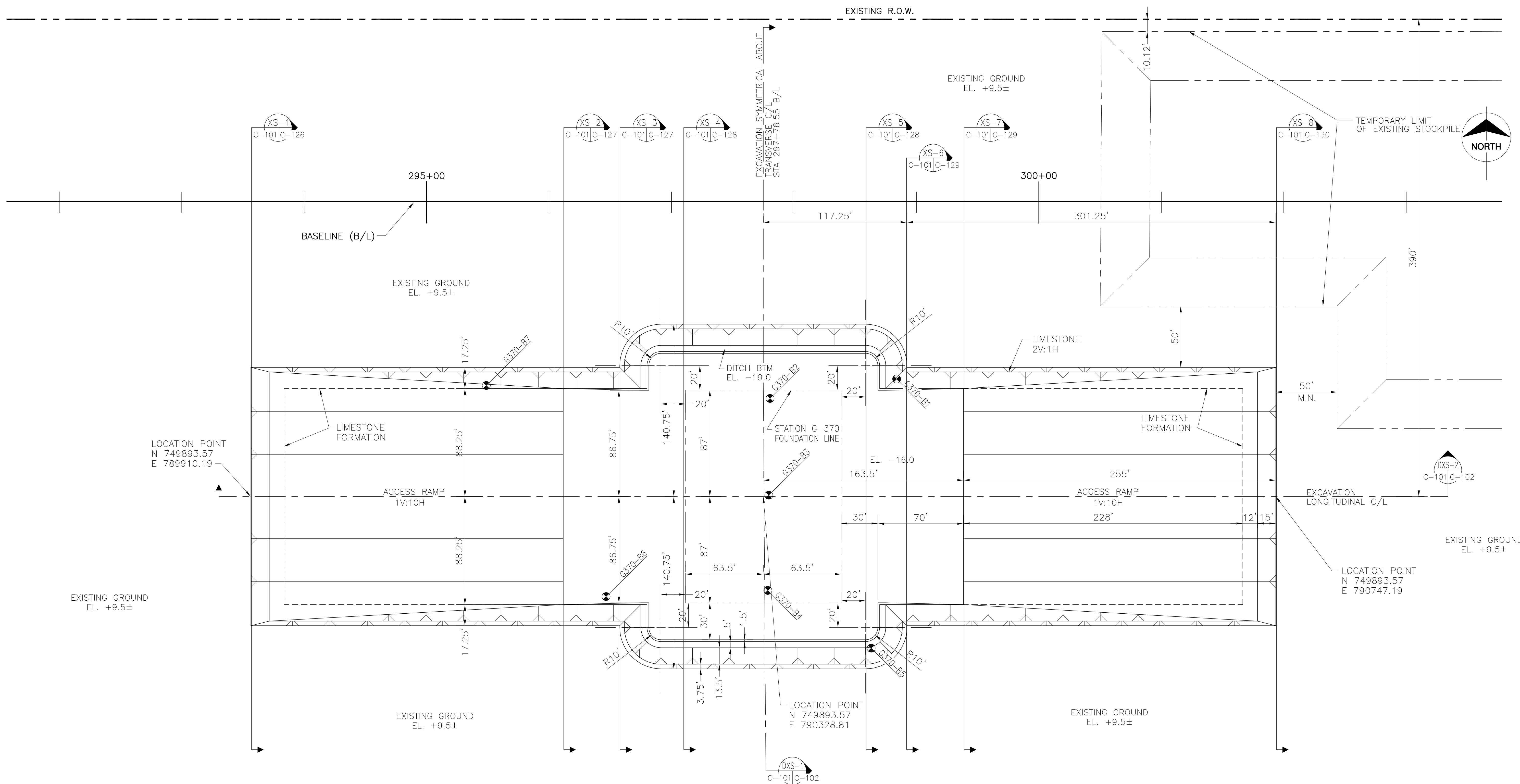
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**DESIGN EXCAVATION PLAN  
PUMP STATION G-370**



- AS-BUILT EXCAVATION PLAN NOTES:**
1. THE DESIGN EXCAVATION PLAN WAS MODIFIED IN THE FIELD. CROSS SECTIONS AS SHOWN ON DRAWINGS C-126, C-127, C-128, C-129 & C-130 REFLECT THE AS-BUILT BOTTOM CONFIGURATION.
  2. CONTRACTOR SHALL VERIFY FIELD CONFIGURATION OF IN-SITU EXCAVATION PRIOR TO PERFORMING FOUNDATION BACKFILL DEPICTED ON PLAN C-104.

- NOTES:**
1. THE WORK DEPICTED ON THIS PLAN IS TO BE COMPLETED BY OTHERS PRIOR TO THE LETTING OF THE PUMP STATION CONTRACT. THIS EXCAVATION PLAN IS PROVIDED TO DEPICT THE EXISTING CONDITIONS AT THE START OF THE PUMP STATION CONTRACT.
  2. SEE DRAWING C-102 FOR EXISTING EXCAVATION SECTIONS.
  3. SEE DRAWING C-121 FOR SOIL BORING DATA.

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545



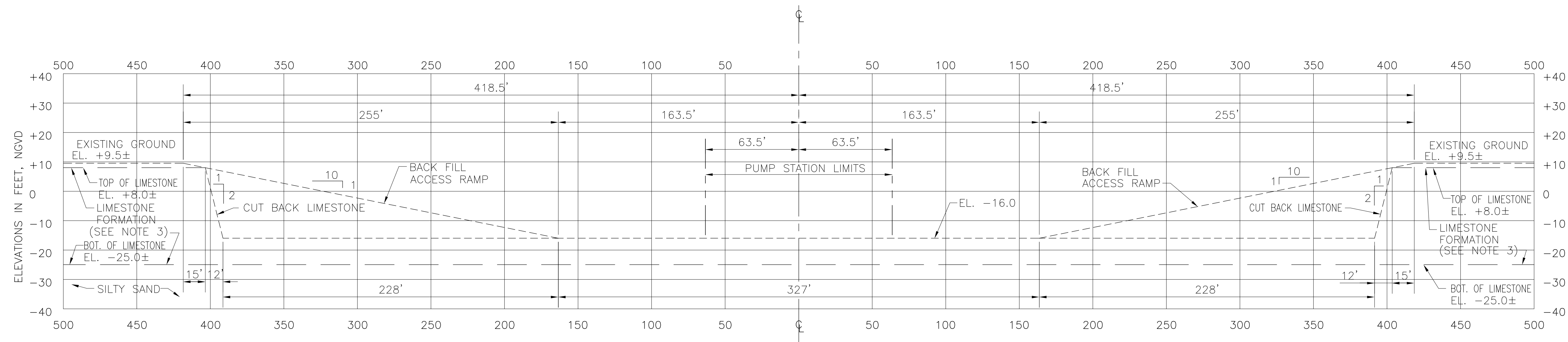
CONTRACT NO.  
C-E304  
DWG. NO.  
C-101

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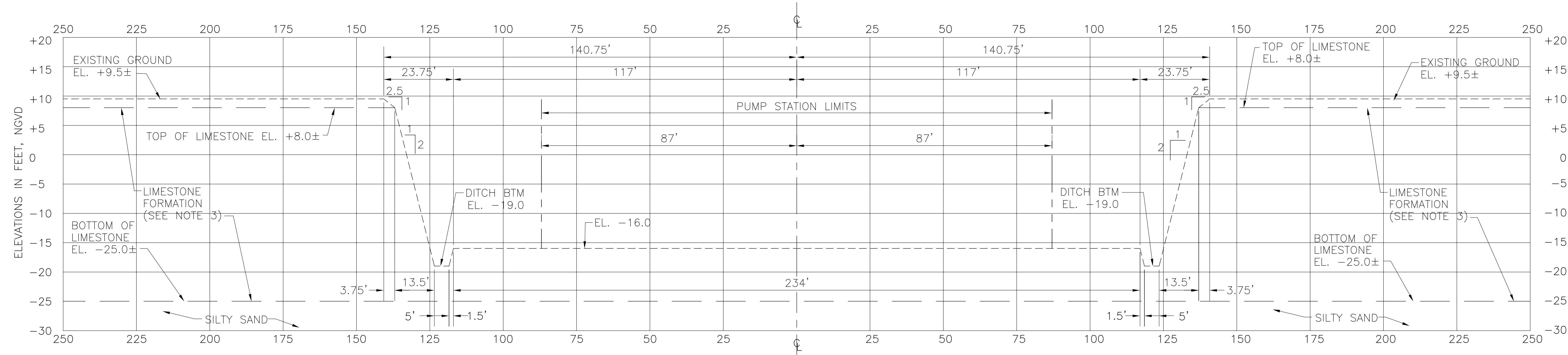
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	REVISIONS	
	NO. DWG: CHKD DATE:	
EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372	PUMP STATION G-370 DESIGN EXCAVATION PLAN	SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406

**DESIGN EXCAVATION SECTION  
LONGITUDINAL C/L SECTION (LOOKING NORTH)  
PUMP STATION G-370**



DXS-2  
C-101 C-102

**DESIGN EXCAVATION SECTION  
TRANSVERSE C/L SECTION (LOOKING EAST)  
PUMP STATION G-370**



DXS-1  
C-101 C-102

- AS-BUILT EXCAVATION PLAN NOTES:**
1. THE DESIGN EXCAVATION PLAN WAS MODIFIED IN THE FIELD. CROSS SECTIONS AS SHOWN ON DRAWINGS C-126, C-127, C-128, C-129 & C-130 REFLECT THE AS-BUILT BOTTOM CONFIGURATION. ADDITIONAL AS-BUILT CROSS SECTIONS ARE AVAILABLE UPON REQUEST FROM SWFMD.
  2. CONTRACTOR SHALL VERIFY FIELD CONFIGURATION OF IN-SITU EXCAVATION PRIOR TO PERFORMING FOUNDATION BACKFILL DEPICTED ON PLAN C-104.

- NOTES:**
1. THE WORK DEPICTED ON THIS DRAWING IS TO BE COMPLETED BY OTHERS PRIOR TO THE LETTING OF THE PUMP STATION CONTRACT. THESE EXCAVATION SECTIONS ARE PROVIDED TO DEPICT THE EXISTING CONDITIONS AT THE START OF THE PUMP STATION CONTRACT.
  2. SEE DRAWING C-101 FOR EXISTING EXCAVATION PLAN.
  3. THICKNESS OF LIMESTONE FORMATION VARIES. SEE DRAWING C-125 FOR SOIL BORING DATA.

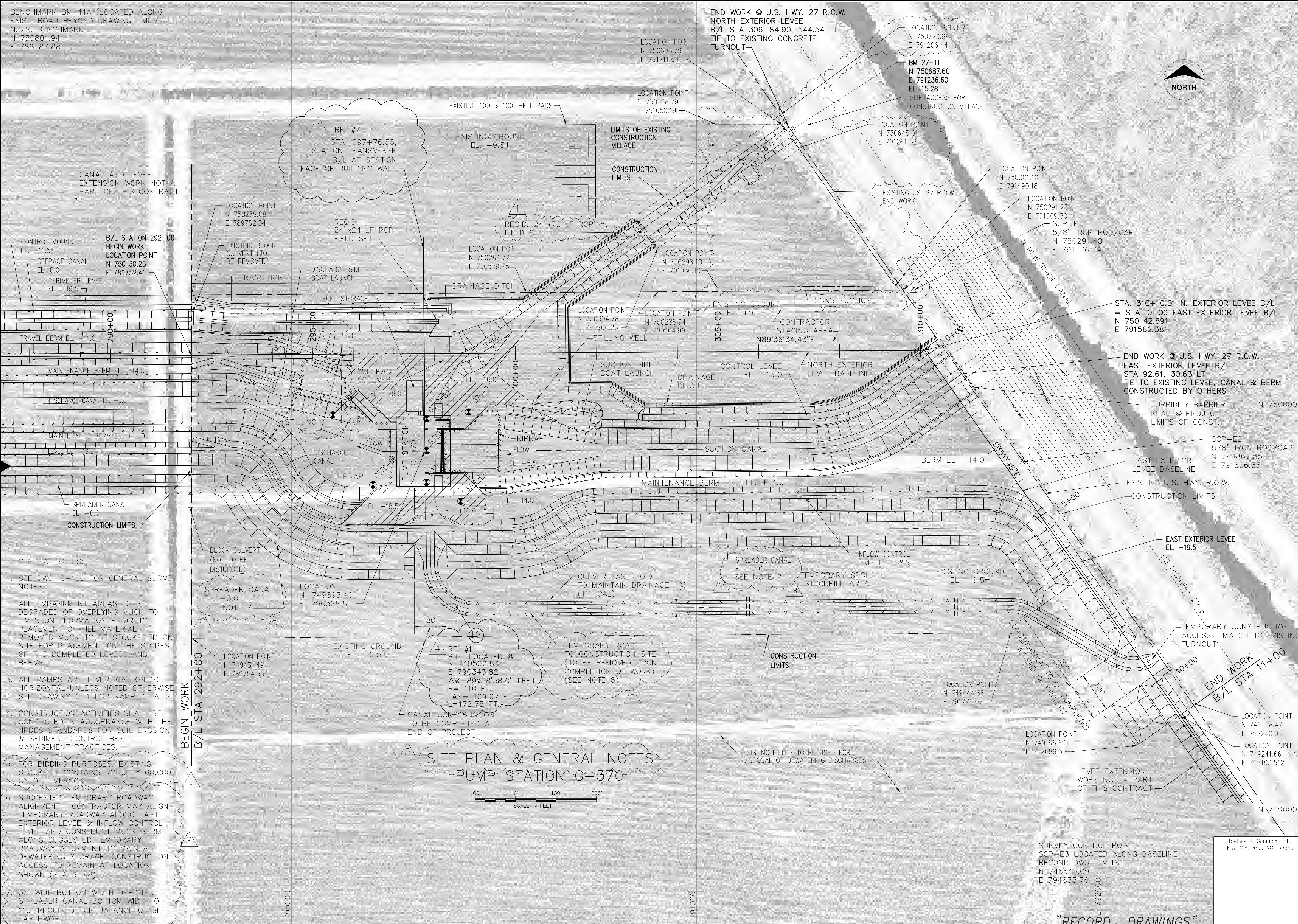
**90% SUBMITTAL**  
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FLA. C.E. REG. NO. 53545

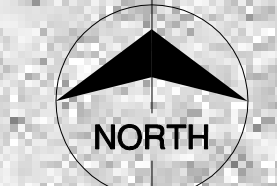
<p><b>Burns &amp; McDonnell</b> SINCE 1898 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certification EB0000263 BMC 24930</p>	<p><b>Brown Cunningham Gannuch</b> ENGINEERS - ARCHITECTS - CONSULTANTS METairie, LOUISIANA 70006 (504) 454-3866 License No. EB00008095</p>	<p>NO. DWN CHKD DATE</p>
	<p>DESIGN CHKD DATE</p>	<p>EJM CHKD DATE</p>
<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372 DESIGN EXCAVATION SECTIONS</p>		
<p>SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>		
<p>CONTRACT NO. C-E304 DWG. NO. C-102</p>		

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BENCHMARK BM-11A (LOCATED ALONG EXIST. ROAD BEYOND DRAWING LIMITS)  
 N.G.S. BENCHMARK  
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**SITE PLAN & GENERAL NOTES  
 PUMP STATION G-370**



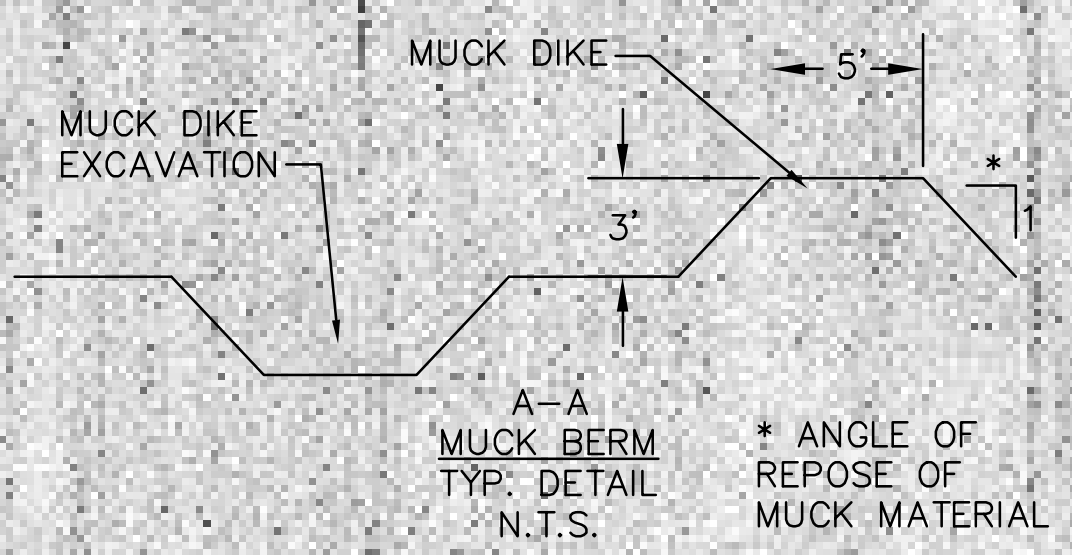
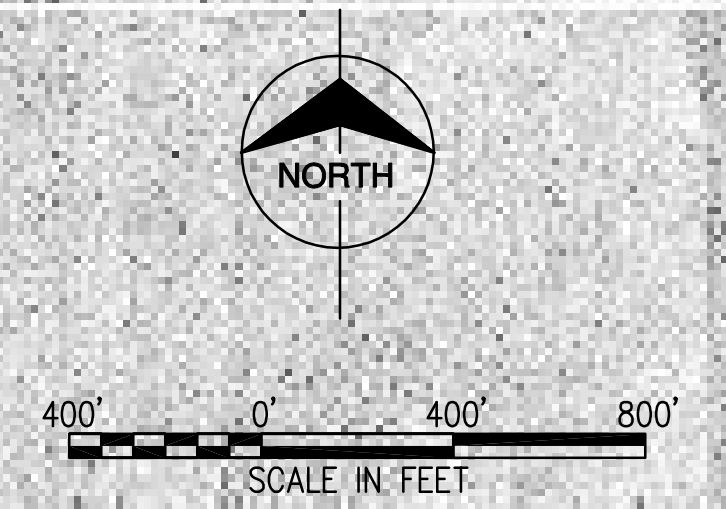
- GENERAL NOTES:**
- SEE DWG. C-100 FOR GENERAL SURVEY NOTES.
  - ALL EMBANKMENT AREAS TO BE DEGRADED OR OVERLYING MUCK TO LIMESTONE FORMATION PRIOR TO PLACEMENT OF FILL MATERIAL. REMOVED MUCK TO BE STOCKPILED ON SITE FOR PLACEMENT ON THE SLOPES OF THE COMPLETED LEVEES AND BERMS.
  - ALL RAMPS ARE 1 VERTICAL ON 10 HORIZONTAL UNLESS NOTED OTHERWISE. SEE DRAWING C-1 FOR RAMP DETAILS.
  - CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH THE NPDES STANDARDS FOR SOIL EROSION & SEDIMENT CONTROL BEST MANAGEMENT PRACTICES.
  - FOR BIDDING PURPOSES, EXISTING STOCKPILE CONTAINS ROUGHLY 60,000 CY OF LIMEROCK.
  - SUGGESTED TEMPORARY ROADWAY ALIGNMENT. CONTRACTOR MAY ALIGN TEMPORARY ROADWAY ALONG EAST EXTERIOR LEVEE & INFLOW CONTROL LEVEE AND CONSTRUCT MUCK BERM ALONG SUGGESTED TEMPORARY ROADWAY ALIGNMENT TO MAINTAIN DEWATERING STORAGE. CONSTRUCTION ACCESS TO REMAIN AT LOCATION SHOWN (STA 9+48).
  - 35' WIDE BOTTOM WIDTH DEPICTED. SPREADER CANAL BOTTOM WIDTH OF 110' REQUIRED FOR BALANCE OF SITE EARTHWORK.

REVISIONS	DATE	CHKD	DATE	NO. DWG	NO. REVISED PER ADDENDUM
	6-01-01	EJM	6-01-01	1	REVISED PER ADDENDUM ND1
	6-29-01	EJM	6-29-01	2	REVISED PER ADDENDUM ND3
	7-11-01	EJM	7-11-01	3	REVISED PER ADDENDUM ND4
	6-15-04	EJM	6-15-04	4	REVISED PER RFI
DATE	5/10/2001	DATE			
CHKD	EJM	CHKD			
DESIGN	EJM	DESIGN			
R/G	EJM	R/G			
KG	EJM	KG			
NO. DWG	1	NO. DWG			
NO. REVISED PER ADDENDUM	1	NO. REVISED PER ADDENDUM			
NO. REVISED PER ADDENDUM	3	NO. REVISED PER ADDENDUM			
NO. REVISED PER RFI	4	NO. REVISED PER RFI			
<p><b>Burns &amp; McDonnell</b>          ARCHITECTS &amp; CONSULTANTS          2701 WINKMAN ST.          METairie, LOUISIANA 70006          (504) 454-3866          License No. EB00008095</p>					
<p><b>Brown Cunningham Gannuch</b>          ENGINEERS &amp; ARCHITECTS &amp; CONSULTANTS          9400 WARD PARKWAY          KANSAS CITY, MO. 64114          Certification: EB0000253          EInc# 24930</p>					
<p><b>EVERGLADES CONSTRUCTION PROJECT</b>          STORMWATER TREATMENT AREA NO. 3/4          PUMP STATIONS G-370 &amp; G-372</p>					
<p><b>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</b>          EVERGLADES CONSTRUCTION PROJECT          3301 GUN CLUB ROAD          WEST PALM BEACH, FLORIDA 33406</p>					
<p>CONTRACT NO. C-E304          DWG. NO. C-103</p>					

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- NOTES:**
1. CONTRACTOR SHALL INSTALL, OPERATE & MAINTAIN DEWATERING SYSTEM THROUGHOUT THE PROJECT DURATION.
  2. ALL CORRUGATED METAL PIPE TO BE GALVANIZED & INSTALL IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 4.30.

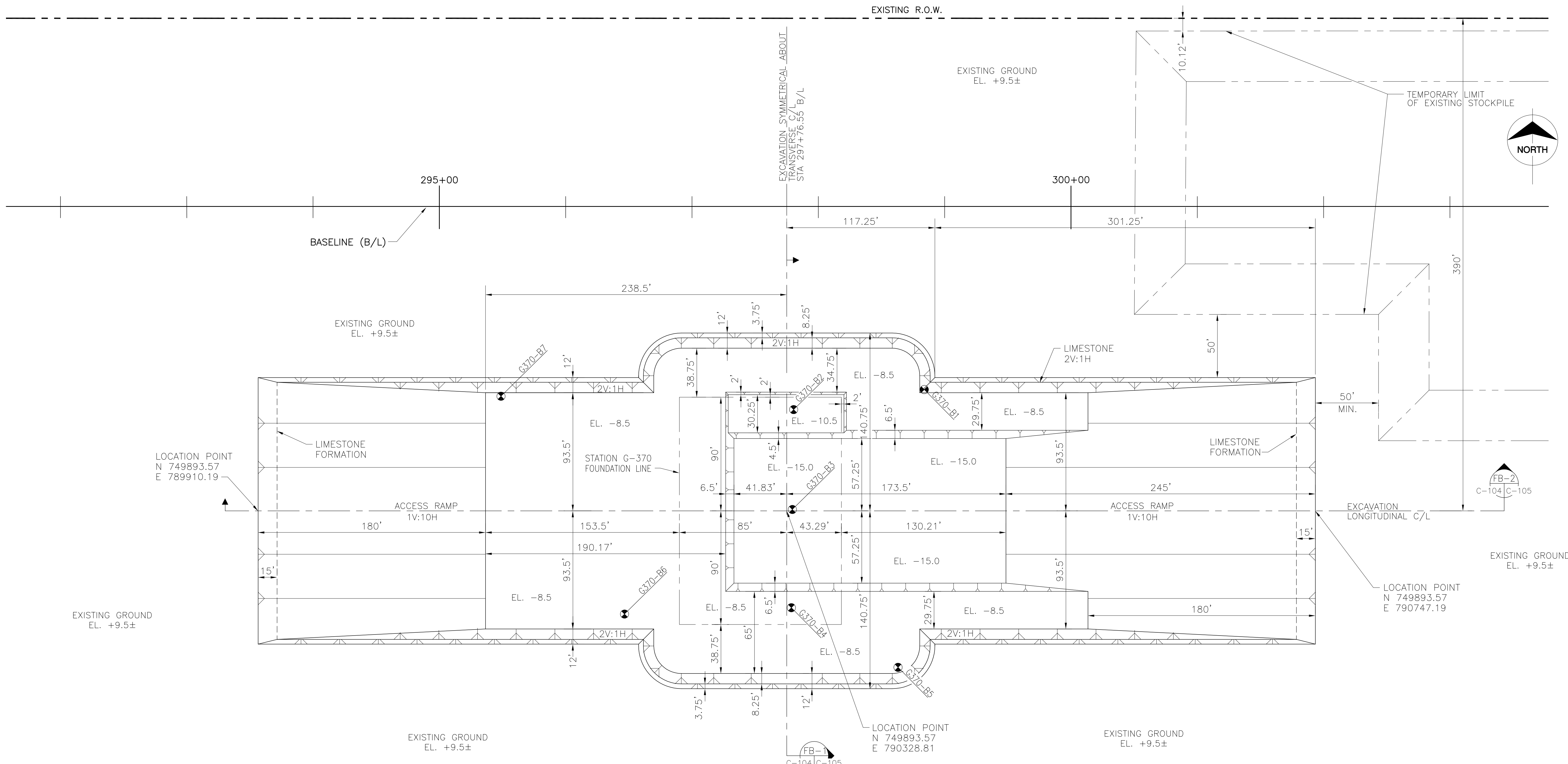
DISCHARGE PUMP & PIPE, SIZED AS REQUIRED FOR MAINTAINING A 15" WATER LEVEL IN STORAGE AREA 2. DISCHARGE PIPE TO EXTEND ACROSS WILKINSON NORTH ROADWAY, CANAL & SOUTH ROADWAY & DISCHARGE INTO ABANDONED FIELDS. BACKFILL PIPE TO MAINTAIN ACCESS ON NORTH WILKINSON ROAD.

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 Scale For Microfilming  
 Millimeters  
 Inches

 BROWN CUMMINGHAM GANNUCH ENGINEERS - ARCHITECTS - CONSULTANTS METABOLIT (FLORIDA) 70006 (504) 454-3866 License No. EB00008095		DRAWN: KG CHKD: CHKD DESIGN: EJM EJM CHKD DATE: 6-19-01	NO. DWG: CHKO DATE:	REVISIONS 6-29-01 EJM 6-29-01 DRAWING ADDED PER ADDENDUM NO.3 DATE
 BURNS & MCDONNELL SINCE 1898 9400 WARD PARKWAY MANASSAS CITY, VA 20108 Certificate # ESO000253 Bldg. # 24930		EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATION G-370 DEWATERING PLAN		
SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406		CONTRACT NO. C-E304 DWG. NO. C-103A		

RECORD DRAWINGS





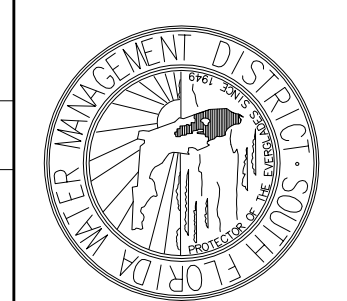
**FOUNDATION BACKFILL PLAN  
PUMP STATION G-370**



**NOTES:**

- CONTRACTOR SHALL REVIEW THE DESIGN EXCAVATION PLAN AND NOTES (DRAWING C-102) PRIOR TO COMMENCEMENT OF WORK ON FOUNDATION BACKFILL PLAN.
- CONTRACTOR SHALL MODIFY EXISTING EXCAVATION BY BACKFILLING AND FURTHER EXCAVATION TO ACHIEVE THE DEPICTED FOUNDATION BACKFILL PLAN.
- ALL BACKFILL SHALL BE IN ACCORDANCE WITH SECTION 02221 OF THE SPECIFICATIONS.
- ALL EXCAVATION SHALL BE IN ACCORDANCE WITH SECTION 02200. ALL BLASTING SHALL BE PERFORMED PRIOR TO PLACEMENT OF ANY CONCRETE FOR PUMPING STATION.
- SEE DRAWING C-105 FOR FOUNDATION BACKFILL SECTIONS.
- SEE DRAWING C-125 FOR SOIL BORING DATA.

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545



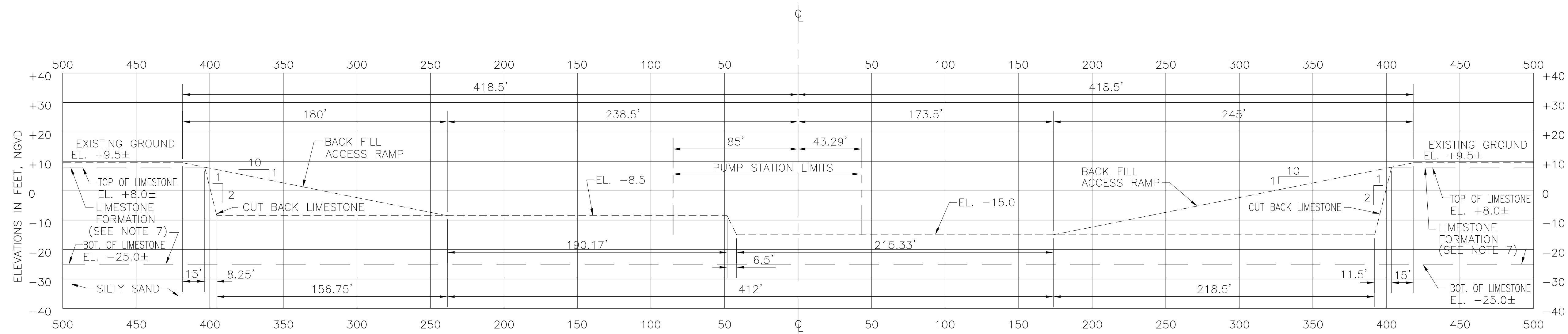
CONTRACT NO.  
C-E304  
DWG. NO.  
C-104

**"RECORD DRAWINGS"**

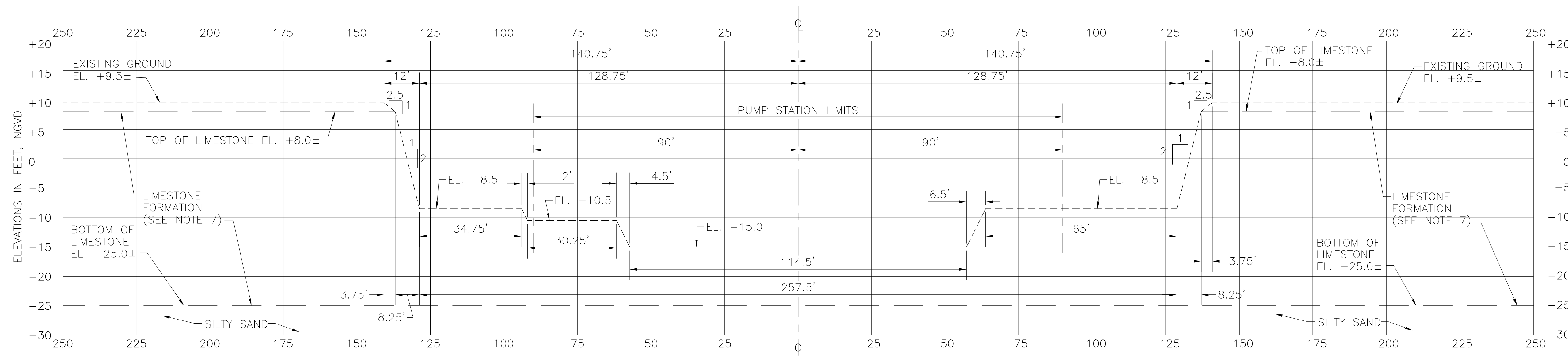
COPYRIGHT ©2001 BY BURNS & MCDONNELL ENGINEERING COMPANY, INC.

Scale For Microfilming  
Inches  
Millimeters

<p><b>Burns &amp; McDonnell</b> SINCE 1938 9400 WARD PARKWAY KANSAS CITY, MO. 64114 Certification: EB0000253 BACD: 24930</p>	<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 374 PUMP STATIONS G-370 &amp; G-372</p>	<p>PUMP STATION G-370 FOUNDATION BACKFILL PLAN</p>	<p>SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>	<p>NO. DWN</p>	<p>CHKD</p>	<p>DATE</p>	<p>REVISIONS</p>
				<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>
<p>ENGINEERS - ARCHITECTS - CONSULTANTS Brown Cunningham Gannuch 2701 KUCIANA STREET METairie, LOUISIANA 70006 (504) 454-3866 License No. EB00008095</p>	<p>DESIGN</p>	<p>EJM</p>	<p>DATE</p>	<p>5/10/2001</p>	<p>CHKD</p>	<p>DATE</p>	<p>REVISIONS</p>



**FOUNDATION BACKFILL SECTION**  
**LONGITUDINAL C/L SECTION (LOOKING NORTH)**  
**PUMP STATION G-370**

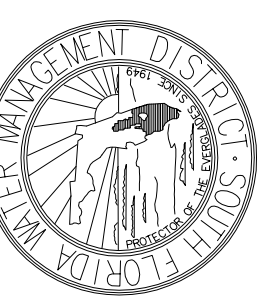


**FOUNDATION BACKFILL SECTION**  
**TRANSVERSE C/L SECTION (LOOKING EAST)**  
**PUMP STATION G-370**

**NOTES:**

1. CONTRACTOR SHALL REVIEW THE DESIGN EXCAVATION PLAN AND NOTES (DRAWING C-102) PRIOR TO COMMENCEMENT OF WORK ON FOUNDATION BACKFILL PLAN.
2. CONTRACTOR SHALL MODIFY EXISTING EXCAVATION BY BACKFILLING AND FURTHER EXCAVATION TO ACHIEVE THE DEPICTED FOUNDATION BACKFILL PLAN.
3. ALL BACKFILL SHALL BE IN ACCORDANCE WITH SECTION 02221 OF THE SPECIFICATIONS.
4. ALL EXCAVATION SHALL BE IN ACCORDANCE WITH SECTION 02200. ALL BLASTING SHALL BE PERFORMED PRIOR TO PLACEMENT OF ANY CONCRETE FOR PUMPING STATION.
5. SEE DRAWING C-104 FOR FOUNDATION BACKFILL PLAN.
6. SEE DRAWING C-125 FOR SOIL BORING DATA.
7. THICKNESS OF LIMESTONE FORMATION VARIES. SEE DRAWING C-125 FOR SOIL BORING DATA.

Rodney J. Gannuch, P.E.  
 FLA. C.E. REG. NO. 53545

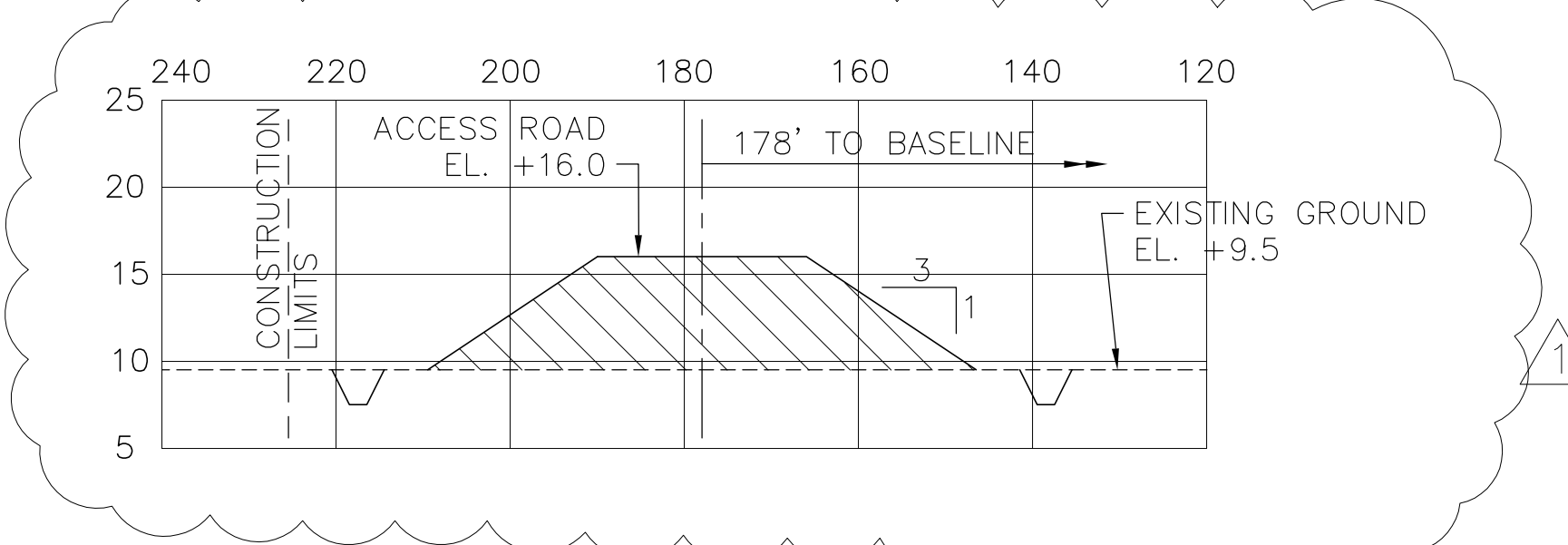
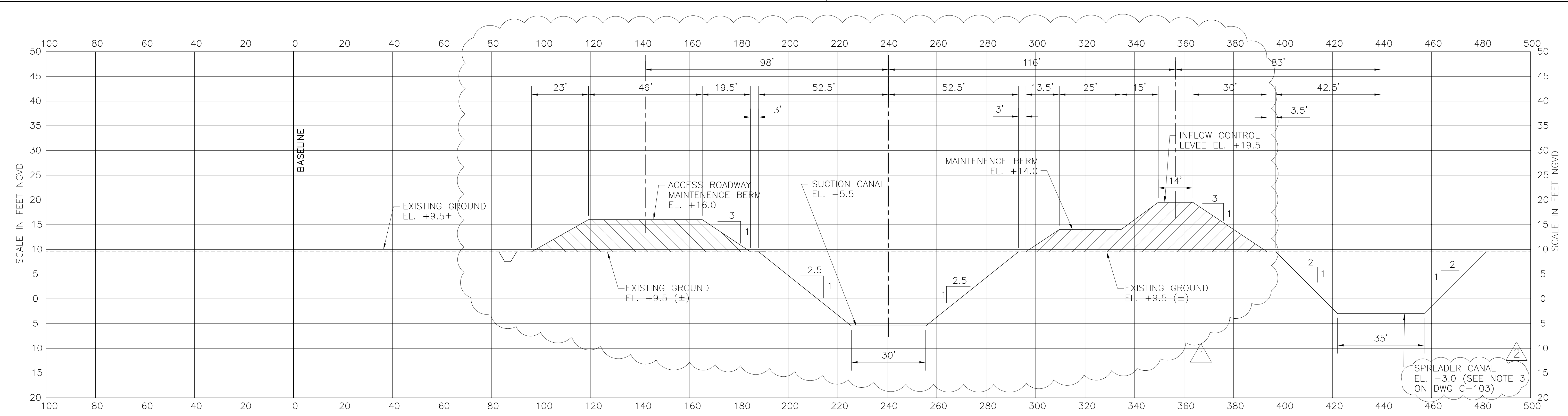


CONTRACT NO.  
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 DWG. NO.  
 C-105

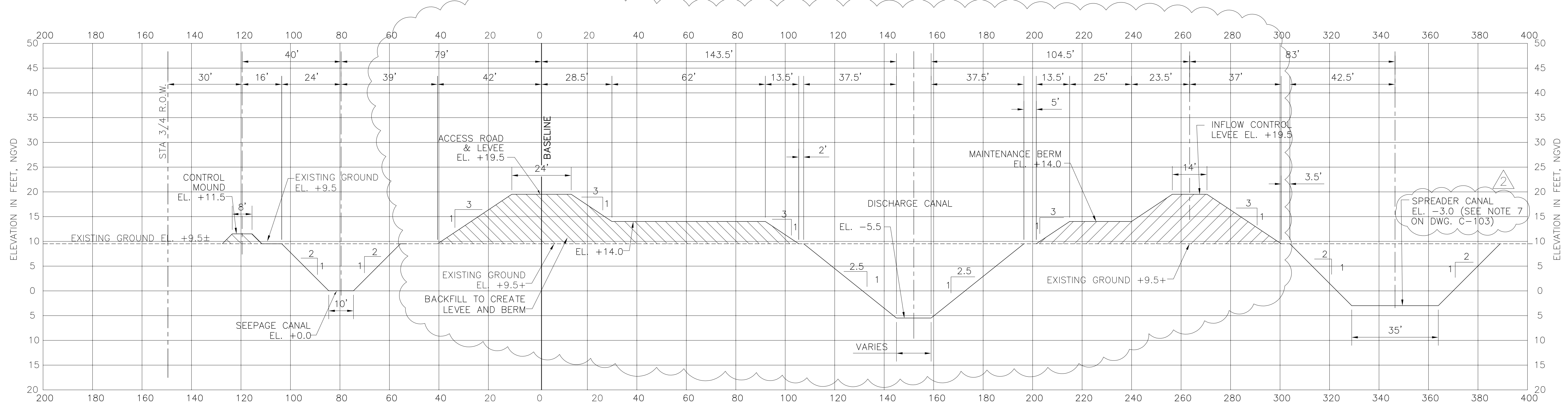
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Scale For Microfilming  
 Millimeters  
 Inches



SUCTION SIDE TYPICAL SECTION TS-2  
PUMP STATION G-370 C-107 C-106



DISCHARGE SIDE TYPICAL SECTION TS-1  
PUMP STATION G-370 C-107 C-106

- NOTES:
- CROSS SECTION TAKEN LOOKING IN DIRECTION OF DECREASING BASELINE STATIONS.
  - SEE DWG. C-107 FOR LOCATION OF SECTION.
  - LIMESTONE FORMATION (TOP EL. +8.0, BOTTOM EL. -25.0) NOT SHOWN.

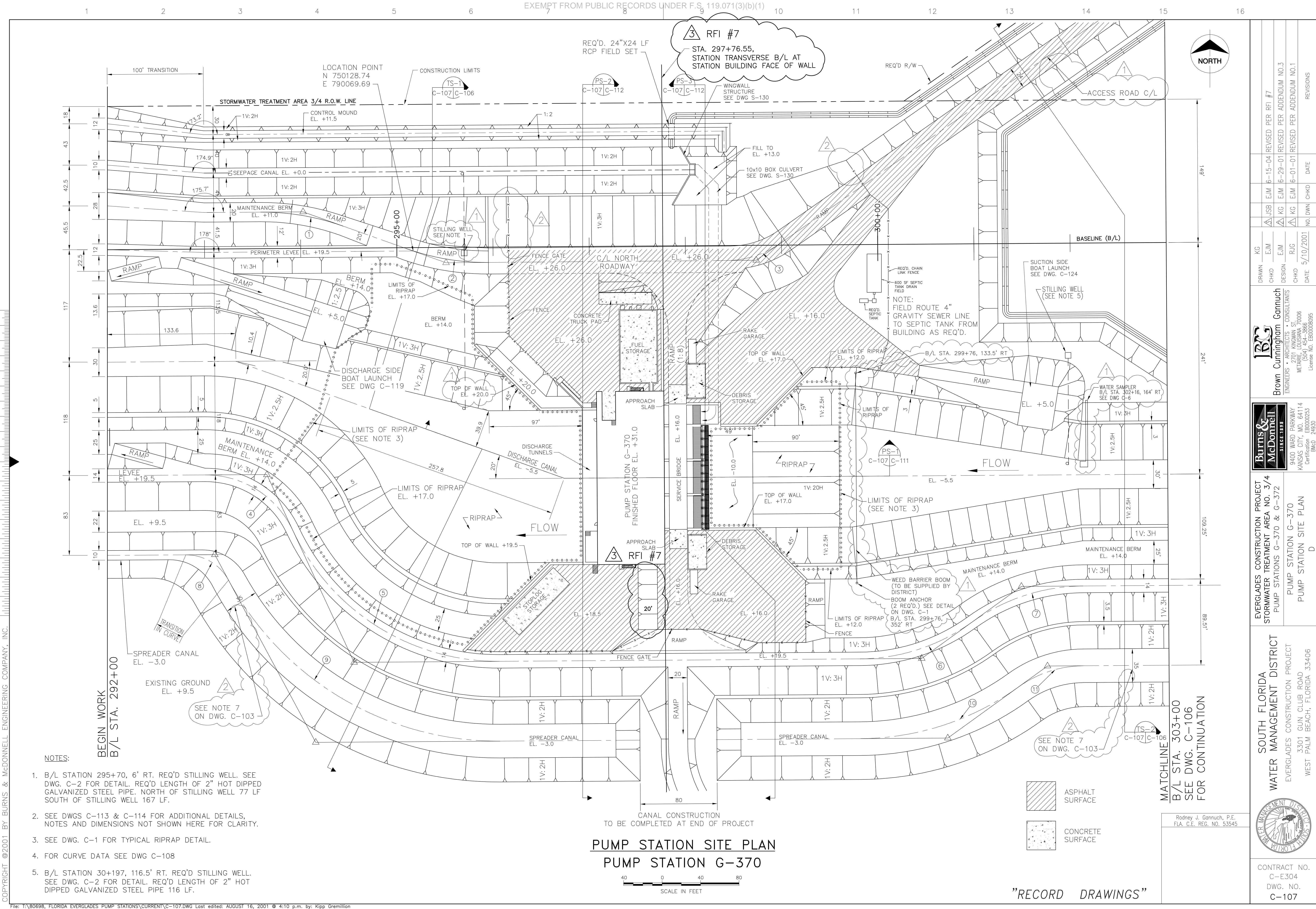
BACKFILL

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

 ENGINEERS, ARCHITECTS, CONSULTANTS METairie, LOUISIANA 70006 License No. EB00008095	 SINCE 1938 9400 WARD PARKWAY KANSAS CITY, MO. 64114 Certificate: EB0000253 (BNC)	EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATION G-370 DISCHARGE AND SUCTION SIDE TYPICAL SECTIONS	SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406	REVISIONS NO. DATE NO. DWN CHKD DATE EJM CHKD EJM DESIGN EJM R/G CHKD DATE 5/10/2001
CONTRACT NO. C-E304 DWG. NO. C-106		"RECORD DRAWINGS"		

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3 RFI #7  
 STA. 297+76.55,  
 STATION TRANSVERSE B/L AT  
 STATION BUILDING FACE OF WALL

100' TRANSITION  
 LOCATION POINT  
 N 750128.74  
 E 790069.69

BEGIN WORK  
 B/L STA. 292+00

MATCHLINE  
 B/L STA. 303+00  
 SEE DWG. C-106  
 FOR CONTINUATION

- NOTES:
- B/L STATION 295+70, 6' RT. REQ'D STILLING WELL. SEE DWG. C-2 FOR DETAIL. REQ'D LENGTH OF 2" HOT DIPPED GALVANIZED STEEL PIPE. NORTH OF STILLING WELL 77 LF SOUTH OF STILLING WELL 167 LF.
  - SEE DWGS C-113 & C-114 FOR ADDITIONAL DETAILS, NOTES AND DIMENSIONS NOT SHOWN HERE FOR CLARITY.
  - SEE DWG. C-1 FOR TYPICAL RIPRAP DETAIL.
  - FOR CURVE DATA SEE DWG C-108
  - B/L STATION 30+197, 116.5' RT. REQ'D STILLING WELL. SEE DWG. C-2 FOR DETAIL. REQ'D LENGTH OF 2" HOT DIPPED GALVANIZED STEEL PIPE 116 LF.

**PUMP STATION SITE PLAN**  
**PUMP STATION G-370**



- ASPHALT SURFACE
- CONCRETE SURFACE

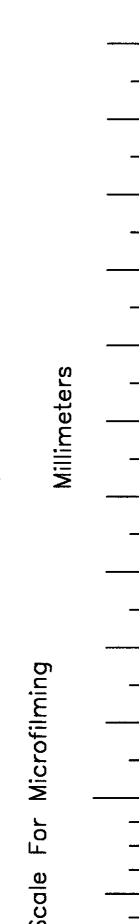
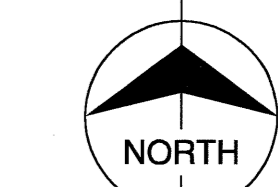
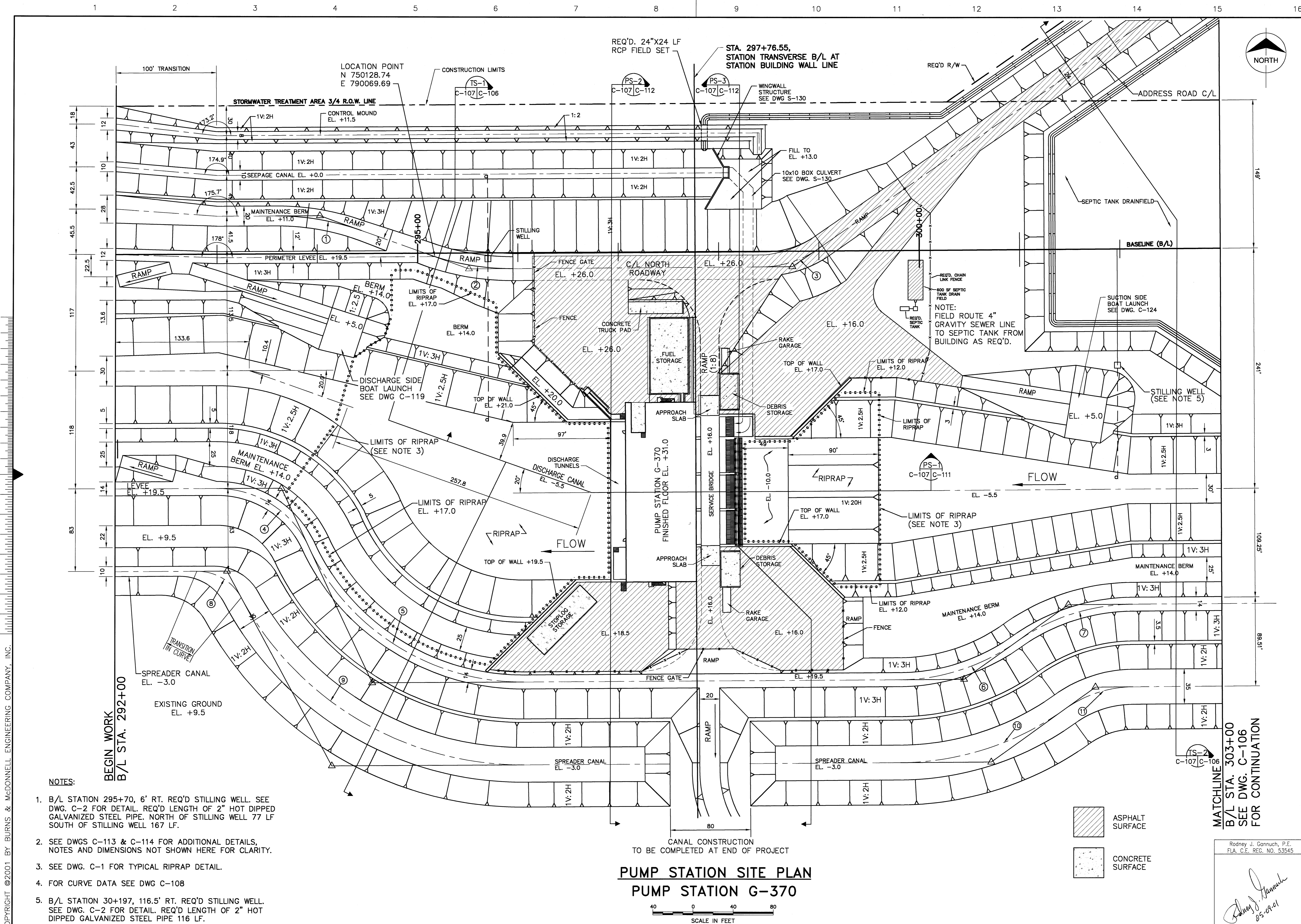
 BROWN CUMINGHAM GANNUCH ARCHITECTS CONSULTANTS 9400 WARD PARKWAY KANSAS CITY, MO 64114 (504) 454-3866 License No. EB00008095	DRAWN: KG CHKD: EJM DESIGN: EJM R/C: R/G DATE: 5/10/2001	REVISIONS NO.   DATE   CHKD   DATE 1   6-15-04   EJM   REVISED PER RFI #7 2   6-29-01   EJM   REVISED PER ADDENDUM NO.3 3   6-01-01   EJM   REVISED PER ADDENDUM NO.1
 BUTTS & McDONNELL SINCE 1938 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certification: EB0000253 EMBD: 24930	EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATION G-370 PUMP STATION SITE PLAN	SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406
CONTRACT NO. C-E304 DWG. NO. C-107		

"RECORD DRAWINGS"

Rodney J. Gannuch, P.E.  
 FLA. C.E. REG. NO. 53545

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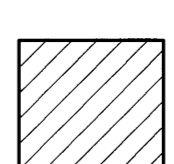





- NOTES:**
1. B/L STATION 295+70, 6' RT. REQ'D STILLING WELL. SEE DWG. C-2 FOR DETAIL. REQ'D LENGTH OF 2" HOT DIPPED GALVANIZED STEEL PIPE. NORTH OF STILLING WELL 77 LF SOUTH OF STILLING WELL 167 LF.
  2. SEE DWGS C-113 & C-114 FOR ADDITIONAL DETAILS, NOTES AND DIMENSIONS NOT SHOWN HERE FOR CLARITY.
  3. SEE DWG. C-1 FOR TYPICAL RIPRAP DETAIL.
  4. FOR CURVE DATA SEE DWG C-108
  5. B/L STATION 30+197, 116.5' RT. REQ'D STILLING WELL. SEE DWG. C-2 FOR DETAIL. REQ'D LENGTH OF 2" HOT DIPPED GALVANIZED STEEL PIPE 116 LF.

**PUMP STATION SITE PLAN  
PUMP STATION G-370**

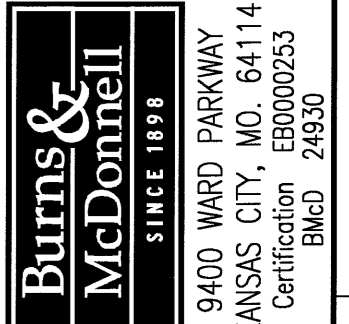
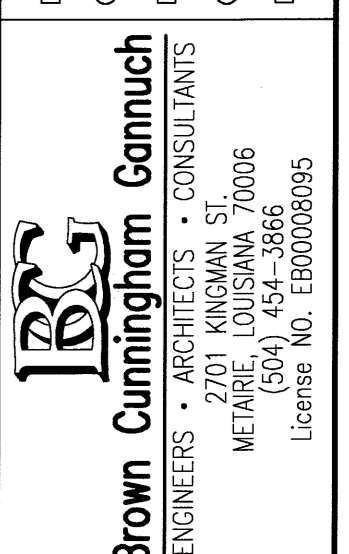


 ASPHALT SURFACE  
 CONCRETE SURFACE

**MATCHLINE**  
B/L STA. 303+00  
SEE DWG. C-106  
FOR CONTINUATION

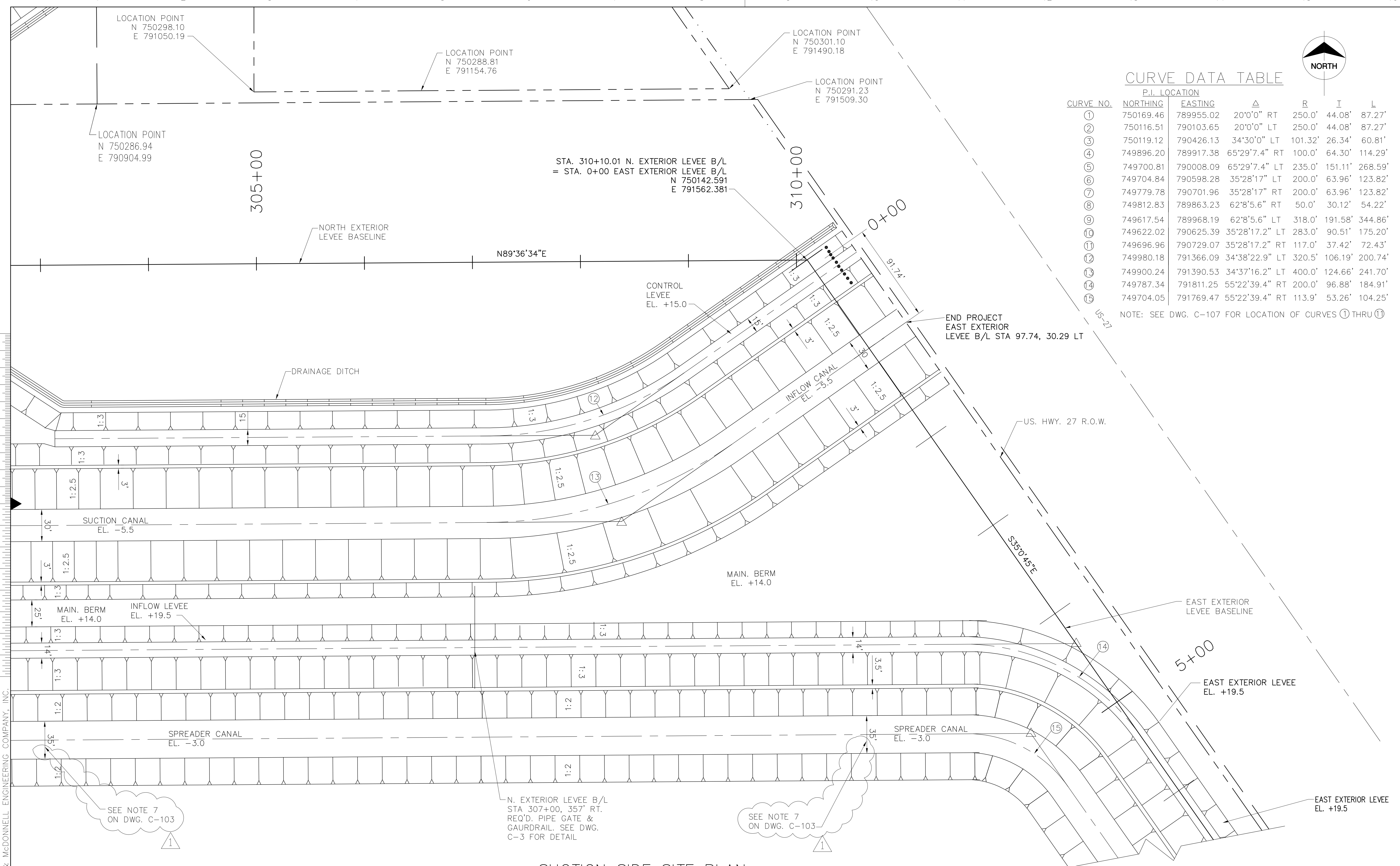
Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

*Rodney J. Gannuch*  
85-09-01

				REVISIONS NO.   DWN   CHKD   DATE	
EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372		ENGINEERS • ARCHITECTS • CONSULTANTS 2701 KINGMAN ST. METairie, LOUISIANA 70006 License No. EB0008995		DRAWN: KG CHKD: EJM DESIGN: EJM R/JG DATE: 5/10/2001	
SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406		9400 WARD PARKWAY KANSAS CITY, MO. 64114 Certification EB0000253 BMD 24930		CONTRACT NO. C-E304 DWG. NO. <b>C-107</b>	

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 Scale For Microfilming  
 Millimeters  
 Inches



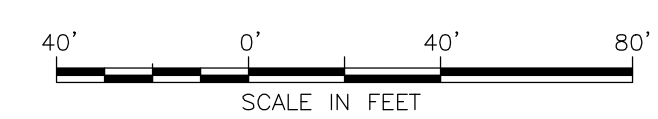


**CURVE DATA TABLE**

CURVE NO.	P.I. LOCATION					
	NORTHING	EASTING	Δ	R	I	L
①	750169.46	789955.02	20°0'0" RT	250.0'	44.08'	87.27'
②	750116.51	790103.65	20°0'0" LT	250.0'	44.08'	87.27'
③	750119.12	790426.13	34°30'0" LT	101.32'	26.34'	60.81'
④	749896.20	789917.38	65°29'7.4" RT	100.0'	64.30'	114.29'
⑤	749700.81	790008.09	65°29'7.4" LT	235.0'	151.11'	268.59'
⑥	749704.84	790598.28	35°28'17" LT	200.0'	63.96'	123.82'
⑦	749779.78	790701.96	35°28'17" RT	200.0'	63.96'	123.82'
⑧	749812.83	789863.23	62°8'5.6" RT	50.0'	30.12'	54.22'
⑨	749617.54	789968.19	62°8'5.6" LT	318.0'	191.58'	344.86'
⑩	749622.02	790625.39	35°28'17.2" LT	283.0'	90.51'	175.20'
⑪	749696.96	790729.07	35°28'17.2" RT	117.0'	37.42'	72.43'
⑫	749980.18	791366.09	34°38'22.9" LT	320.5'	106.19'	200.74'
⑬	749900.24	791390.53	34°37'16.2" LT	400.0'	124.66'	241.70'
⑭	749787.34	791811.25	55°22'39.4" RT	200.0'	96.88'	184.91'
⑮	749704.05	791769.47	55°22'39.4" RT	113.9'	53.26'	104.25'

NOTE: SEE DWG. C-107 FOR LOCATION OF CURVES ① THRU ⑮

**SUCTION SIDE SITE PLAN  
PUMP STATION G-370**



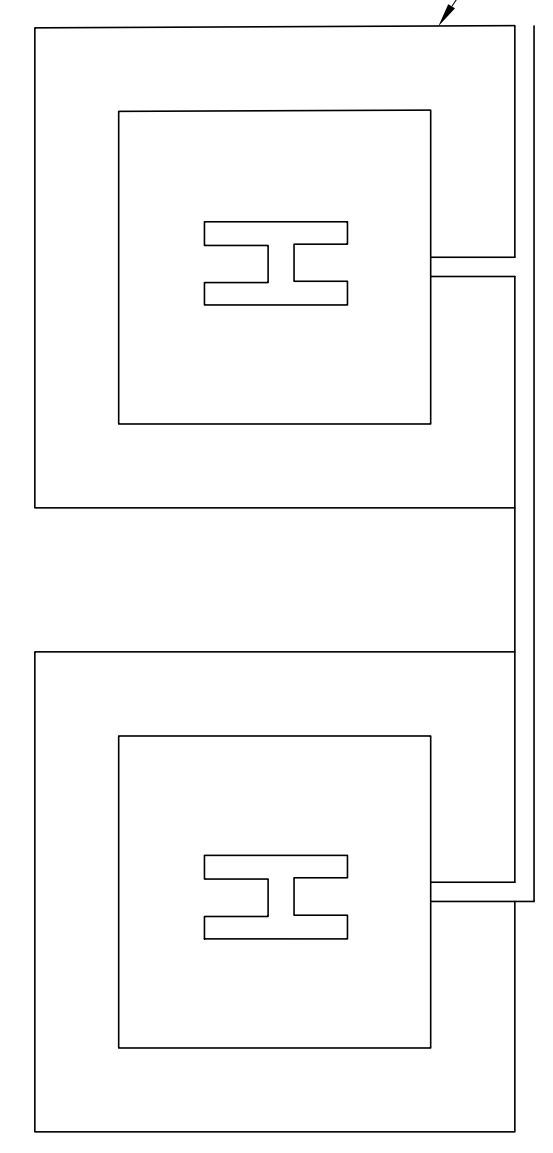
Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

 ARCHITECTS & CONSULTANTS ENGINEERS 7000 W. WARD PARKWAY METairie, LOUISIANA 70006 (504) 454-3866 License No. EB00008095	
EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 374 PUMP STATIONS G-370 & G-372	SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406
PUMP STATION G-370 SUCTION SIDE SITE PLAN	CONTRACT NO. C-E304 DWG. NO. C-108

"RECORD DRAWINGS"

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EXISTING 100' x 100' HELI-PADS



NOTES:  
1. SEE DRAWING C-105 FOR CONTINUATION OF ACCESS ROAD

EXISTING GROUND ELEVATION +9.5±

LOCATION POINT  
N 750284.72  
E 790579.78

CONSTRUCTION LIMITS

ACCESS ROAD

LIMITS OF EXISTING CONSTRUCTION VILLAGE

LOCATION POINT  
N 750698.79  
E 791050.19

LOCATION POINT  
N 750698.79  
E 791211.64

END WORK  
B/L STA. 306+84.90  
544.54' LT.

LOCATION POINT  
N 750778.23  
E 791284.39

BM 27-11  
N 750687.60  
E 791236.60  
EL. 15.28

LOCATION POINT  
N 750699.60  
E 791339.47

MATCH ACCESS ROAD TO EXISTING PAVED TURNOUT AS REQUIRED

N. EXT. LEVEE  
B/L STA. 306+62, 528.73' LT  
REQ'D. PIPEGATE & GUARDRAIL. SEE DWG. C-3 FOR DETAIL

US HIGHWAY 27

EXISTING US-27 R.O.W. END WORK

EXISTING CONSTRUCTION VILLAGE

EXISTING FENCE (NOT SHOWN) TO BE MODIFIED AS REQUIRED

REQUIRED ACCESS ROAD EL. +16.0

3:1

3:1

REQ'D. 24"x70" RCP FIELD SET

LOCATION POINT  
N 750394.78  
E 790904.26

LOCATION POINT  
N 750298.10  
E 791050.19

NOTE: CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR MAINTENANCE & SECURITY OF EXISTING CONSTRUCTION VILLAGE.

CONSTRUCTION LIMITS

LIMITS OF EXISTING CONSTRUCTION VILLAGE

LOCATION POINT  
N 750301.10  
E 791490.18

LOCATION POINT  
N 750291.23  
E 791509.30

STA. 3/4 R.O.W.

STA. 3/4 R.O.W.

LOCATION POINT  
N 750286.94  
E 790904.99

305+00

STA. 310+10.01 N. EXTERIOR LEVEE B/L  
= STA. 0+00 EAST EXTERIOR LEVEE B/L  
N 750142.591  
E 791576.381

310+00

0+00

NORTH EXTERIOR LEVEE BASELINE

NORTH EXTERIOR LEVEE BASELINE

EAST EXTERIOR LEVEE BASELINE

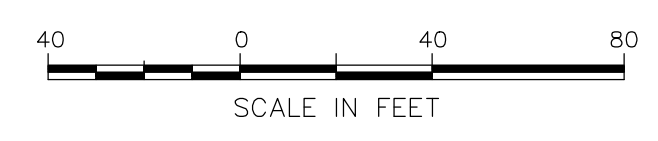
N89°36'34"E

600 SF SEPTIC TANK DRAIN FIELD

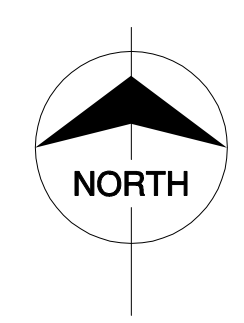
REQ'D. SEPTIC TANK

DRAINAGE DITCH

### ACCESS SITE PLAN PUMP STATION G-370



Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545



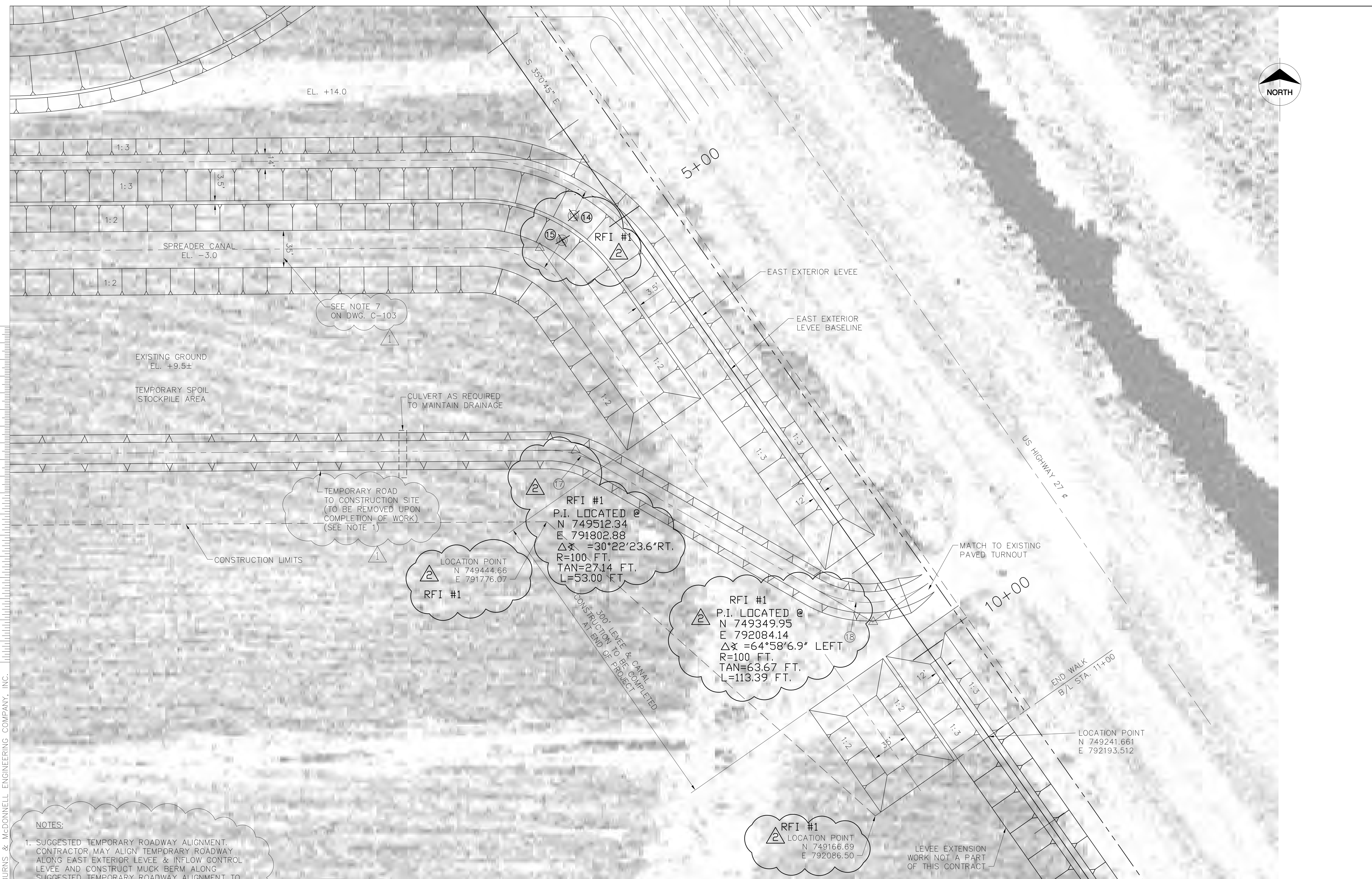
 <b>Brown Cunningham Gannuch</b> ENGINEERS • ARCHITECTS • CONSULTANTS METABOLIT KANSAS 70606 (504) 454-3866 License No. EB00008095	CDH CHKO DESIGN CHKO DATE 5/10/2001	EJM EJM EJM CHKO DATE 5/10/2001	NO. DWN CHKO DATE 6-29-01 REVISED PER ADDENDUM NO.3	REVISIONS
	EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATION G-370 ACCESS SITE PLAN			
	SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406			

CONTRACT NO. C-E304  
DWG. NO. C-109

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Scale For Microfilming  
Inches  
Millimeters

NOTES:  
1. SUGGESTED TEMPORARY ROADWAY ALIGNMENT. CONTRACTOR MAY ALIGN TEMPORARY ROADWAY ALONG EAST EXTERIOR LEVEE & INFLOW CONTROL LEVEE AND CONSTRUCT MUCK BERM ALONG SUGGESTED TEMPORARY ROADWAY ALIGNMENT TO MAINTAIN DEWATERING STORAGE. CONSTRUCTION ACCESS TO REMAIN AT LOCATION SHOWN (STA 9+48).

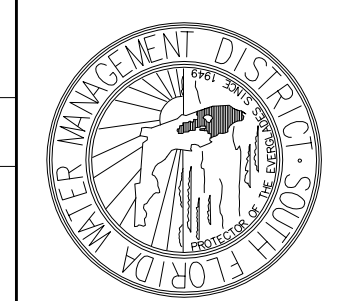
EAST EXTERIOR LEVEE SITE PLAN  
PUMP STATION G-370



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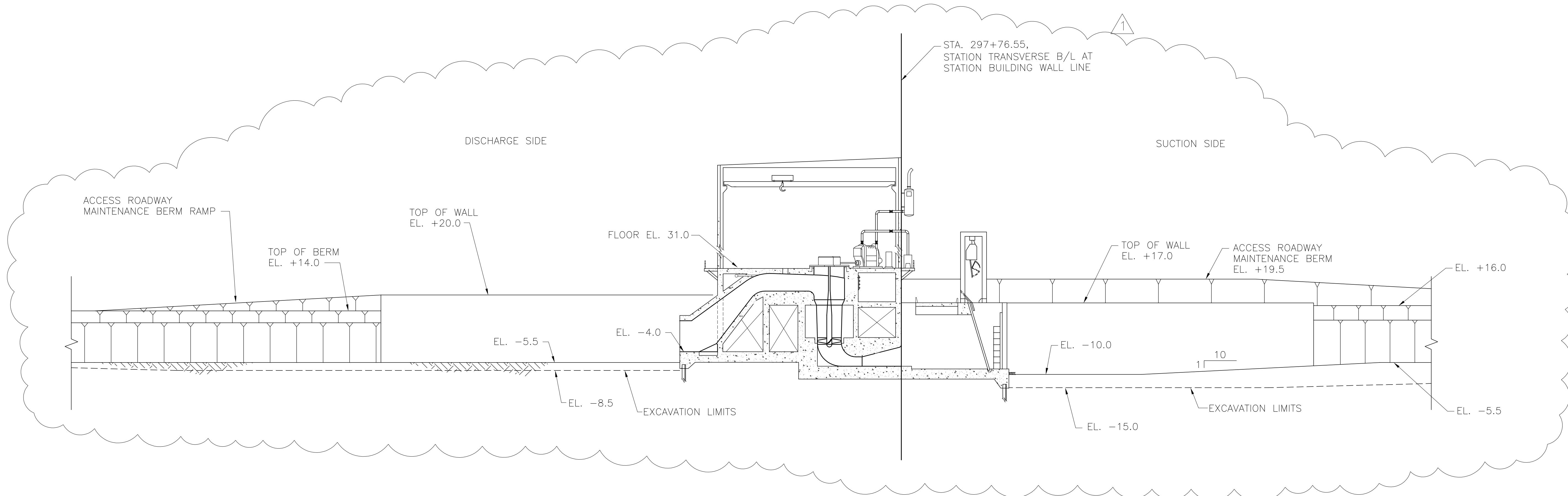
<p>BURNS &amp; MCDONNELL SINCE 1888</p> <p>9400 WARD PARKWAY KANSAS CITY, MO 64114 Certification: EB0000253 BAG</p>	<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372</p> <p>PUMP STATION G-370 EAST EXTERIOR LEVEE SITE PLAN</p>	<p>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</p> <p>EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>	<p>CONTRACT NO. C-E304 DWG. NO. C-110</p>												
<p>Brown Cunningham Gannuch ENGINEERS - ARCHITECTS - CONSULTANTS METABRE, LOUISIANA 70006 (504) 454-3866 License No. EB00008095</p>	<p>CDH CHKD DESIGN CHKD</p> <p>EJM EJM EJM</p> <p>DATE 5/10/2001</p>	<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>CHKD</th> <th>DATE</th> </tr> <tr> <td>1</td> <td>6-15-04</td> <td>EJM</td> <td>REVISED PER RFI #1</td> </tr> <tr> <td>2</td> <td>6-29-01</td> <td>EJM</td> <td>REVISED PER ADDENDUM NO.3</td> </tr> </table>	NO.	DATE	CHKD	DATE	1	6-15-04	EJM	REVISED PER RFI #1	2	6-29-01	EJM	REVISED PER ADDENDUM NO.3	<p>REVISIONS</p>
NO.	DATE	CHKD	DATE												
1	6-15-04	EJM	REVISED PER RFI #1												
2	6-29-01	EJM	REVISED PER ADDENDUM NO.3												

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545



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Scale For Microfilming  
Inches  
Millimeters




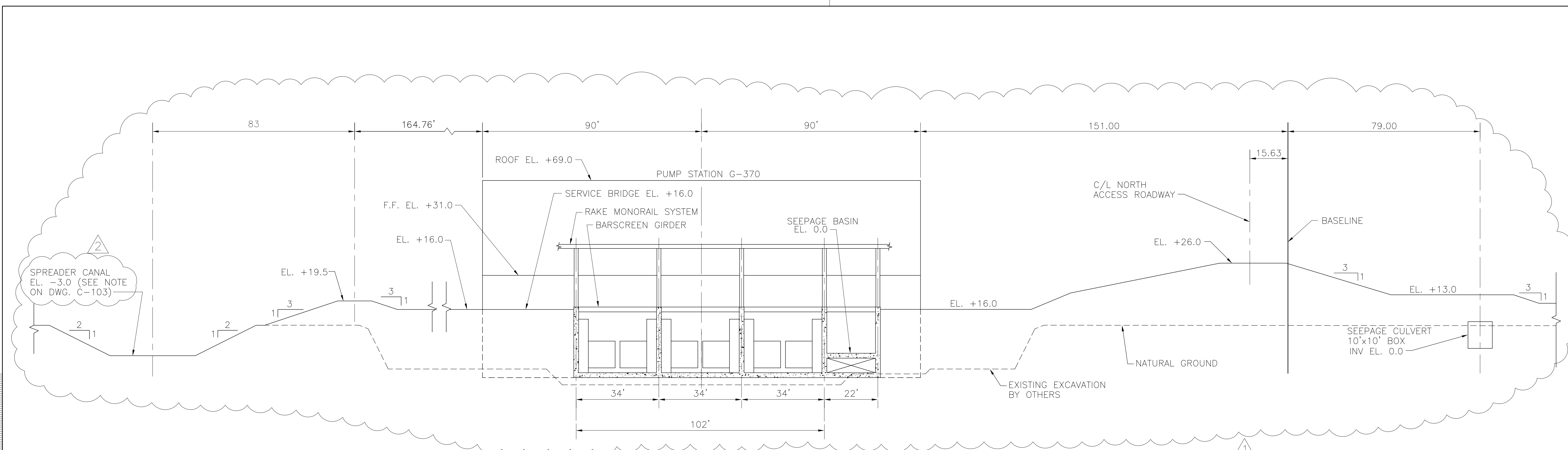
**PUMP STATION LONGITUDINAL SECTION (LOOKING NORTH)**  
**PUMP STATION G-370**



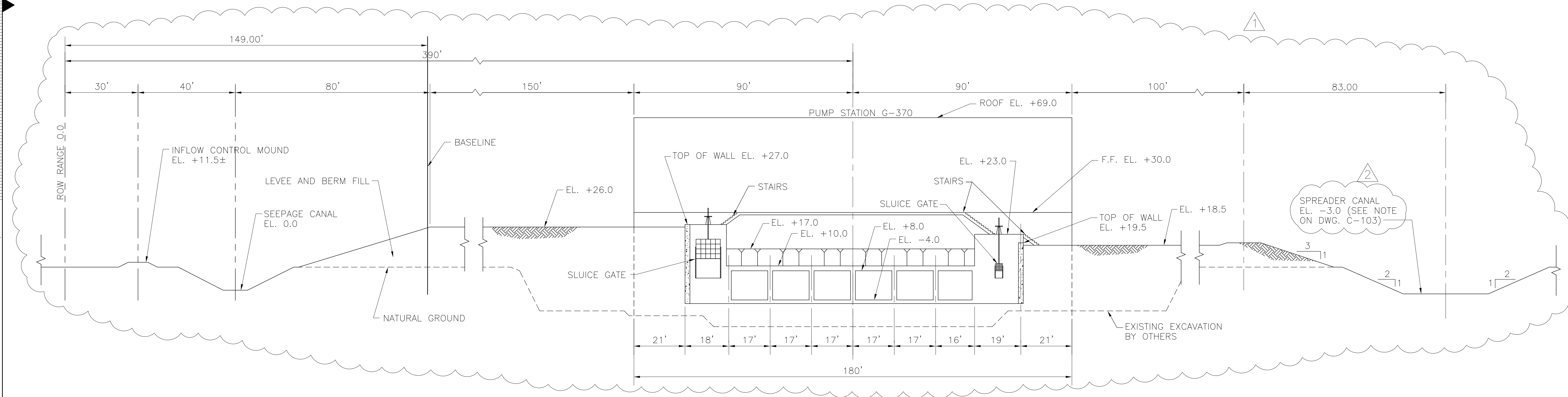
PS-1  
C-107 C-111

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 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certificate: EB0000253 BACB 24930		ENGINEERS ARCHITECTS CONSULTANTS METABRE LOUISIANA 70006 License No. EB00008095	
DRAWN CHKD DESIGN CHKD DATE	KG R/JG EJM EJM DATE	NO. DWG CHKO DATE	NO. REV CHKO DATE
EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372		PUMP STATION G-370 PUMP STATION LONGITUDINAL SECTION	
SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406		RODNEY J. GANNUCH, P.E. FLA. C.E. REG. NO. 53545	
CONTRACT NO. C-E304 DWG. NO. C-111		"RECORD DRAWINGS"	



PUMP STATION TRANSVERSE SECTION (PS-3)  
 (SUCTION SIDE LOOKING WEST) C-107 C-112  
 PUMP STATION G-370



PUMP STATION TRANSVERSE SECTION (PS-2)  
 (DISCHARGE SIDE LOOKING EAST) C-107 C-112  
 PUMP STATION G-370

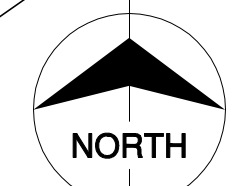
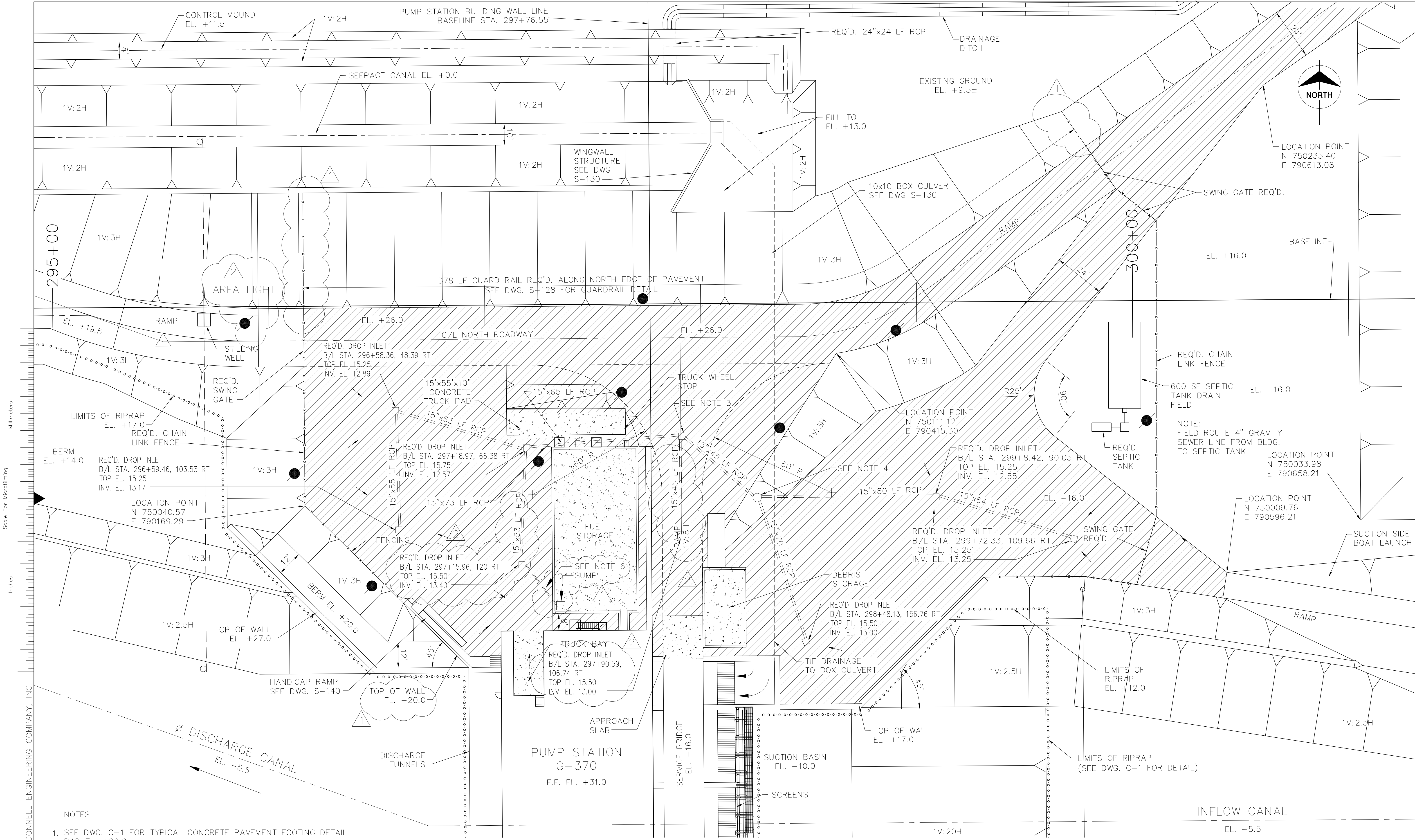


Scale For Microfilming  
 Inches  
 Millimeters  
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 BROWN CUNNINGHAM GANNUCH ENGINEERS - ARCHITECTS - CONSULTANTS METairie, LOUISIANA 70006 License No. EB00008095	DRAWN: KG CHKD: R/G DESIGN: EJM CHKD: EJM DATE: 5/10/2001	NO. 1 DATE:
 BURNS & MCDONNELL SINCE 1938 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certification: EB0000253 BMG	EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATION G-370 PUMP STATION TRANSVERSE SECTIONS	SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406
Rodney J. Gannuch, P.E. FLA. C.E. REG. NO. 53545		CONTRACT NO. C-E304 DWG. NO. C-112

"RECORD DRAWINGS"



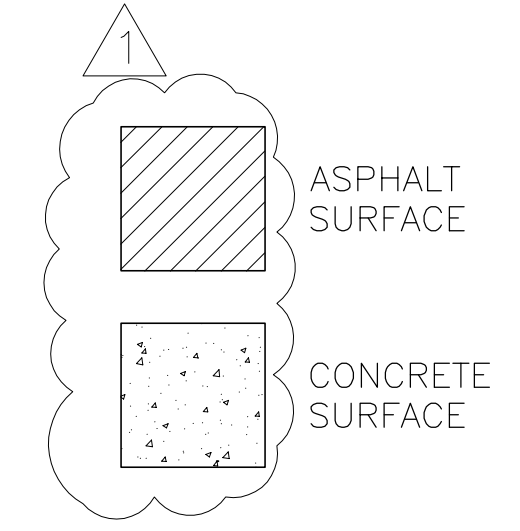


Scale For Microfilming  
Inches  
Millimeters

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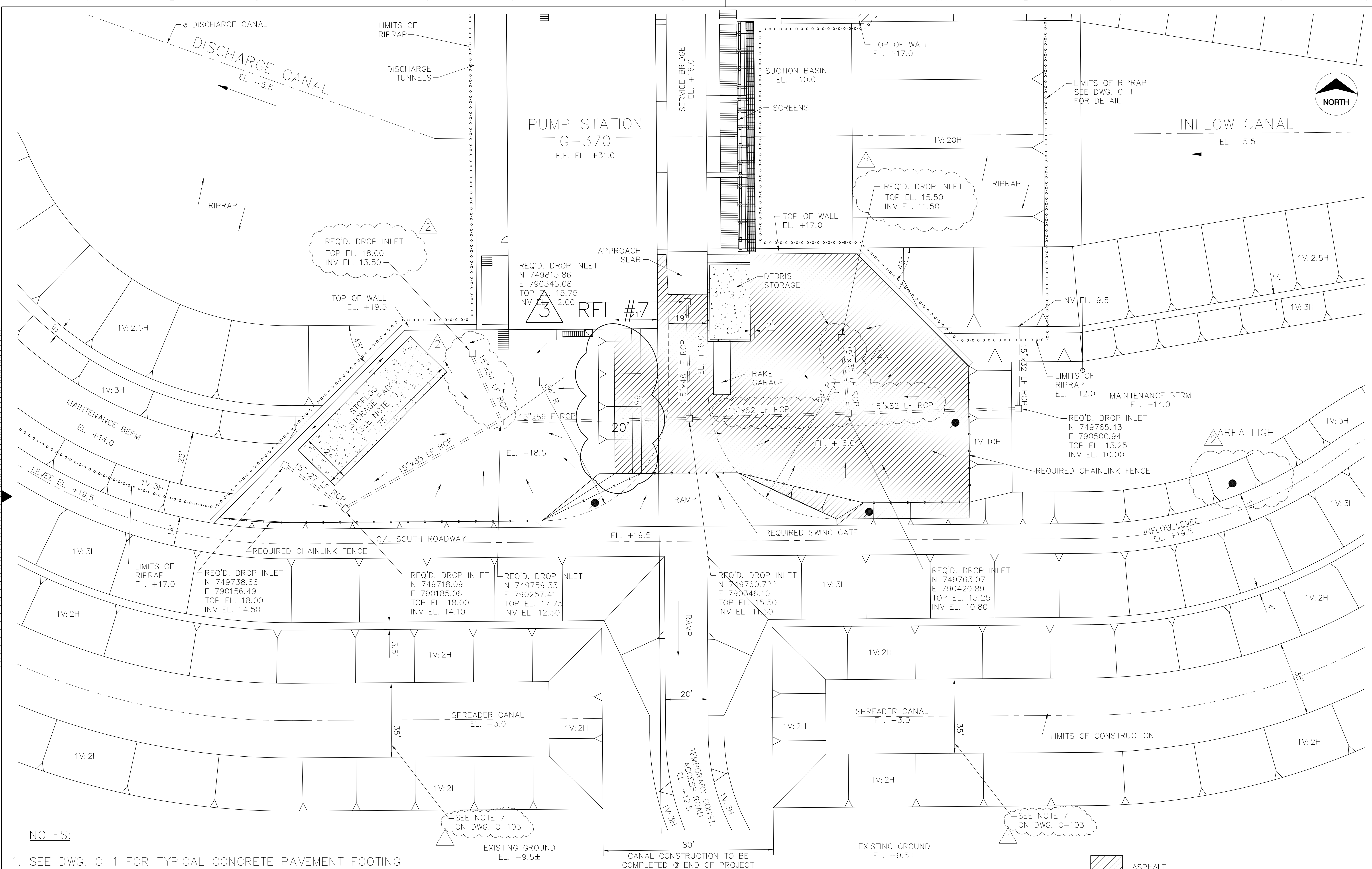
- NOTES:
- SEE DWG. C-1 FOR TYPICAL CONCRETE PAVEMENT FOOTING DETAIL. PAD EL. +26.0
  - SEE DWG. S-14 FOR CHAIN LINK FENCE DETAILS.
  - REQ'D. DROP INLET, B/L STA. 297+90.82, 61.27 RT. TOP EL. 22.50, INV. EL. 12.20.
  - REQ'D. DROP INLET, B/L STA. 298+25.58, 90 RT. SEE DWG. S-130 FOR DETAIL INVERT EL. 11.75.
  - SEE DWGS. C-115 THRU C-122 FOR LAYOUT & DETAILS OF SHEET PILE & CONC. RETAINING WALLS.
  - 3" DIAMETER DRAIN LINE WITH ISOLATION VALVE REQ'D TO DRAIN, FUEL STORAGE AREA SUMP THROUGH CONTAINMENT WALL INTO REQUIRED DROP INLET.

**NORTH ROADWAY AND DRAINAGE PLAN  
PUMP STATION G-370**



"CONFORMED-ISSUED FOR CONSTRUCTION"

 BROWN CUNNIFF & GANNUCH ARCHITECTS & CONSULTANTS METairie, LOUISIANA 70006 (504) 454-3666 License No. EB00008095	DRAWN: CDH CHKO: EJM DESIGN: EJM R/G: R/G DATE: 5/10/2001	REV. PER RECORD DRAWINGS 11-02-04 6-29-01 REVISED PER ADDENDUM NO.3
	NO. DWG: CHKO DATE:	REVISIONS:
	EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 NORTH ROADWAY AND DRAINAGE PLAN	
 BURNS & MCDONNELL SINCE 1898 9400 WARD PARKWAY KANSAS CITY, MO 64114 Cert. No. E0000253 EMBL: 24930	SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406	
CONTRACT NO. C-E304 DWG. NO. C-113		



- NOTES:**
- SEE DWG. C-1 FOR TYPICAL CONCRETE PAVEMENT FOOTING DETAIL.
  - SEE DWG. S-14 FOR CHAIN LINK FENCE DETAILS.
  - SEE DWGS. C-115 THRU C-122 FOR LAYOUT & DETAILS OF SHEETPILE & CONCRETE RETAINING WALLS.
  - SEE DWG. S-127 THRU S-129 FOR SERVICE BRIDGE DETAILS.

**SOUTH ROADWAY AND DRAINAGE PLAN  
PUMP STATION G-370**



ASPHALT SURFACE  
CONCRETE SURFACE

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

<p><b>Burns &amp; McDonnell</b> SINCE 1888 9400 WARD PARKWAY KANSAS CITY, MO. 64114 Certification: EB0000253 BNCJ 24930</p>	<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372</p>	<p>CDH CHKO</p>	<p>DESIGN CHKO</p>	<p>DATE 5/10/200</p>	<p>NO. DWN CHKD</p>	<p>DATE</p>	<p>REVISIONS</p>
	<p>EVERGLADES CONSTRUCTION PROJECT PUMP STATION G-370 SOUTH ROADWAY AND DRAINAGE PLAN</p>	<p>CDH EJM</p>	<p>EJM</p>	<p>DATE 5/10/200</p>	<p>NO. DWN CHKD</p>	<p>DATE</p>	<p>REVISIONS</p>

**Brown Cunningham Gannuch**  
ENGINEERS, ARCHITECTS, CONSULTANTS  
2701 KUCIAMA STREET  
METairie, LOUISIANA 70006  
(504) 454-3866  
License No. EB00008095

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**  
EVERGLADES CONSTRUCTION PROJECT  
3301 GUN CLUB ROAD  
WEST PALM BEACH, FLORIDA 33406

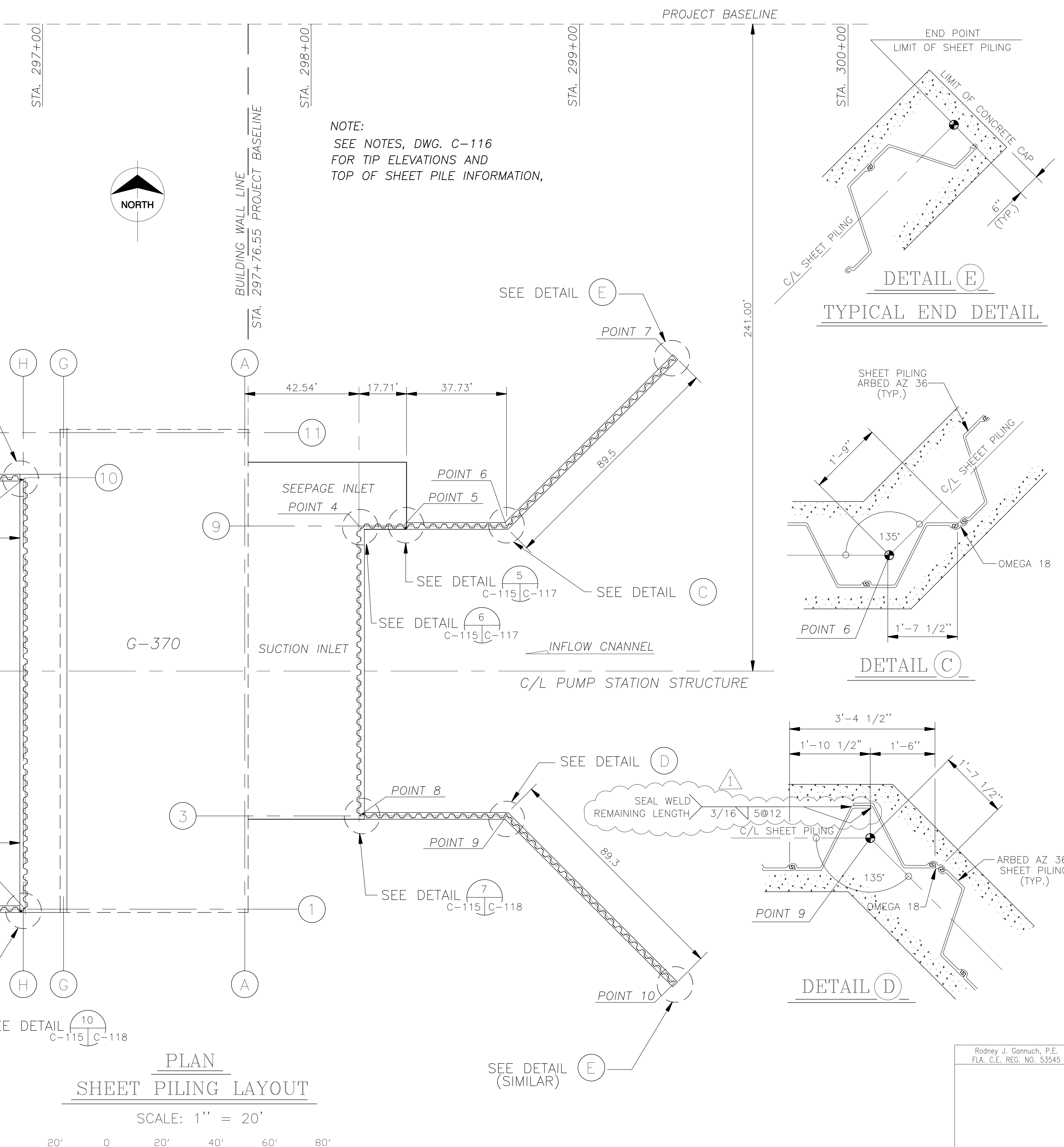
CONTRACT NO.  
DWG. NO.  
C-114

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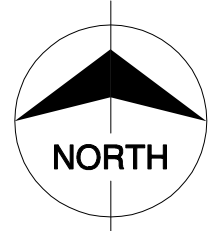
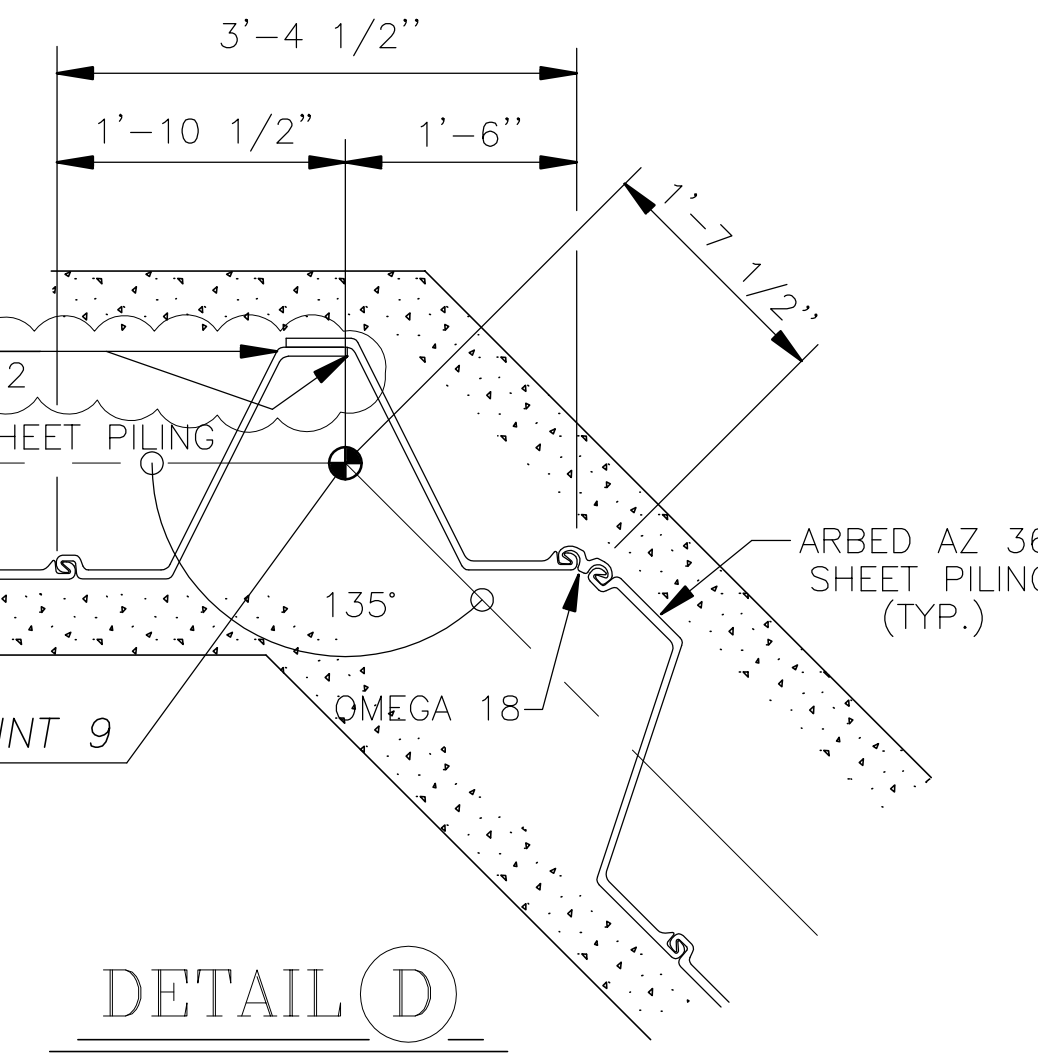
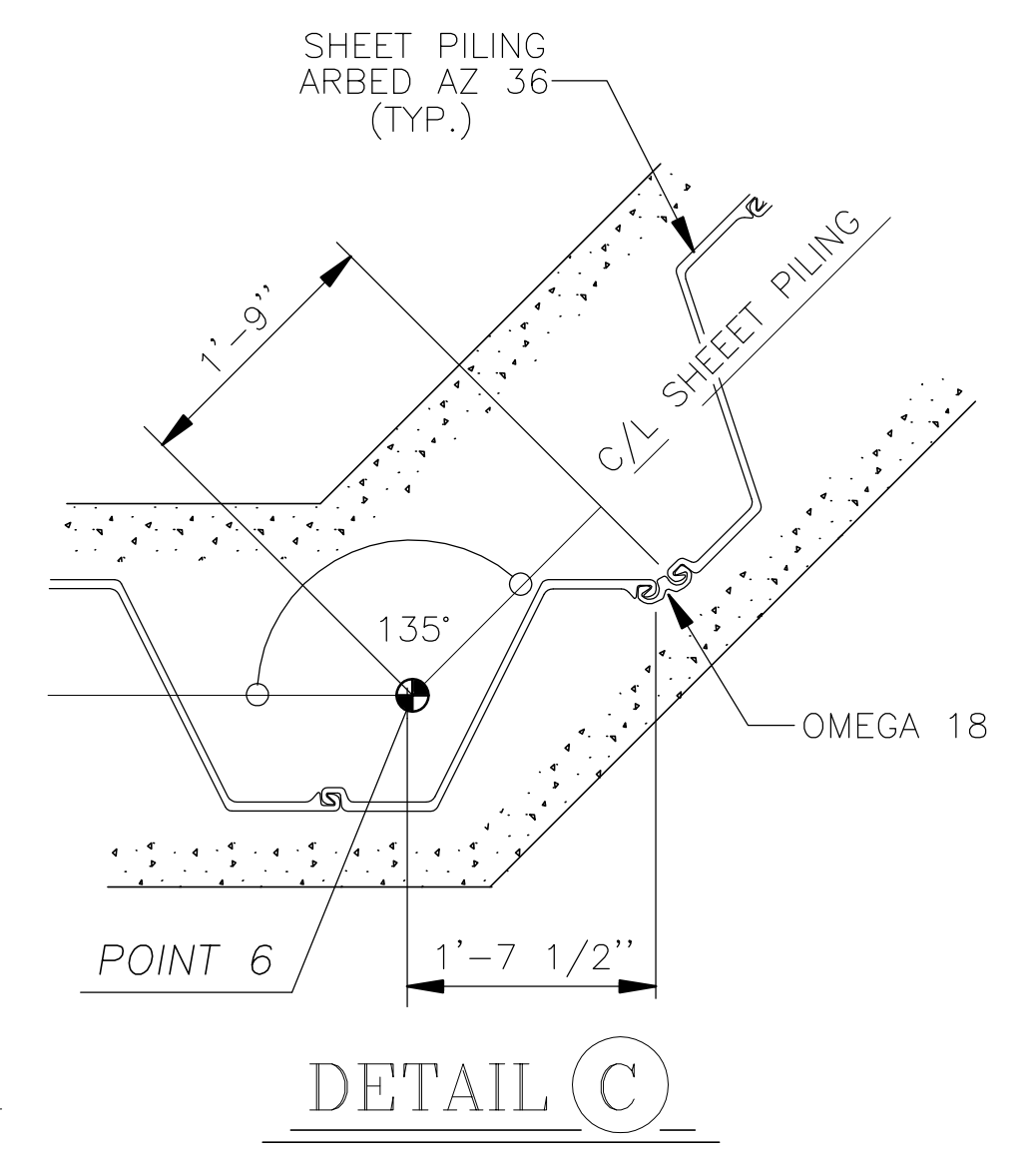
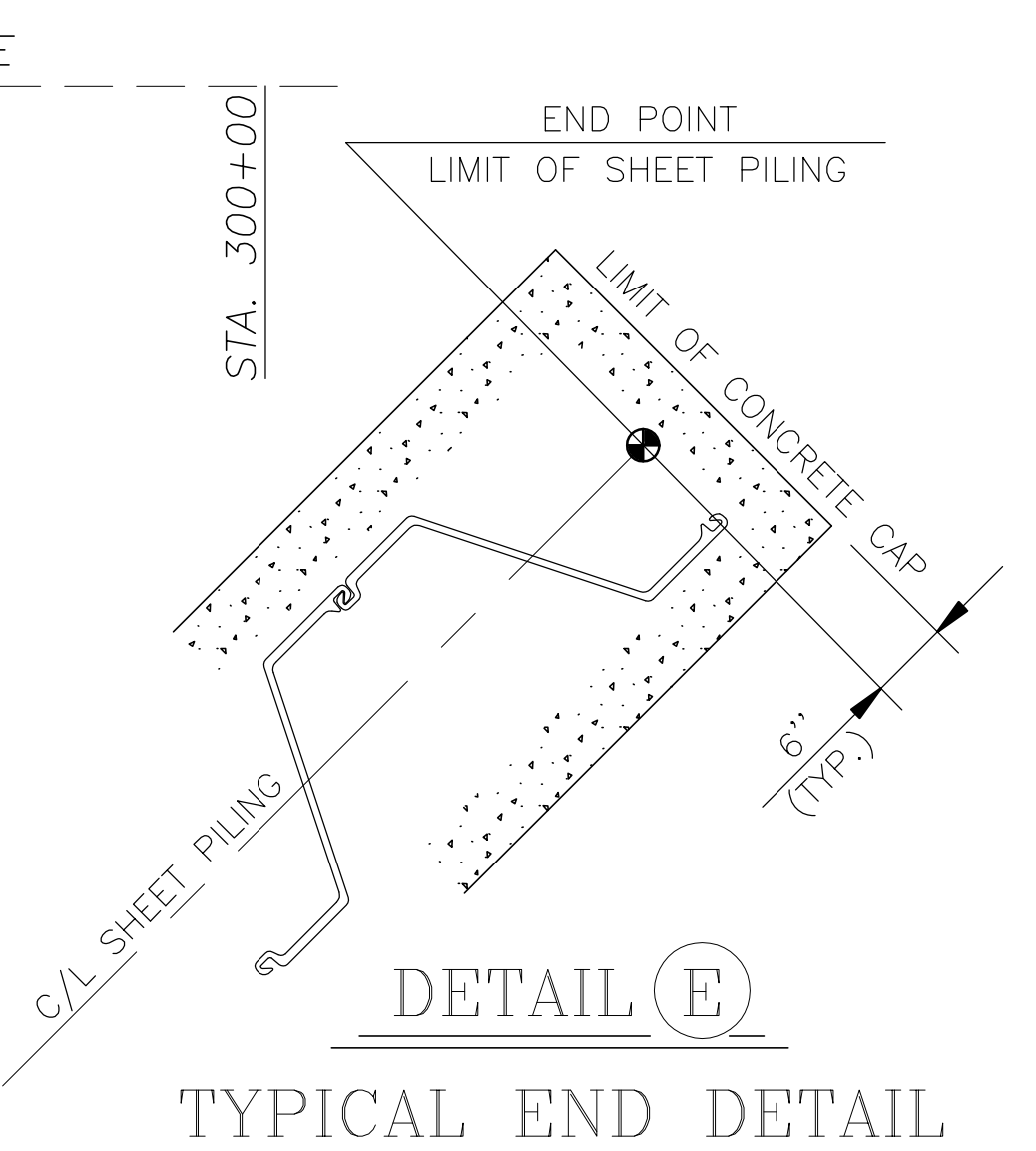
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CENTERLINE SHEET PILE LAYOUT					
CENTERLINE WORK POINT	PROJECT BASELINE STATION	OFFSET	CENTERLINE WORK POINT	PROJECT BASELINE STATION	OFFSET
1	295+66.69	102.12' RIGHT	8	298+17.84	295.00' RIGHT
2	296+33.57	169.00' RIGHT	9	298+72.79	295.00' RIGHT
3	296+93.55	169.00' RIGHT	10	299+35.21	357.42' RIGHT
4	298+17.84	187.00' RIGHT	11	296+93.55	329.75' RIGHT
5	298+34.30	187.00' RIGHT	12	296+42.17	329.75' RIGHT
6	298+72.79	187.00' RIGHT	13	295+67.44	404.48' RIGHT
7	299+35.36	124.44' RIGHT			



NOTE:  
SEE NOTES, DWG. C-116  
FOR TIP ELEVATIONS AND  
TOP OF SHEET PILE INFORMATION,



PLAN  
SHEET PILING LAYOUT

SCALE: 1" = 20'



Scale For Microfilming  
Inches  
Millimeters

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<p><b>Brown Cunningham Gannuch</b> ARCHITECTS - CONSULTANTS ENGINEERS 9400 WARD PARKWAY KANSAS CITY, MO. 64114 Certificate: ER0000253 License No. EB00008095</p>		REVISIONS NO. DATE 1 R/JG 6-29-01 REVISED PER ADDENDUM NO.3 2 NO. DWN CHKD DATE
DRAWN: BHD CHKD: CHKD DESIGN: R/MG R/G DATE: 5/10/2001	EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATION G-370 SHEET PILING LAYOUT PLAN	
SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406		
Rodney J. Gannuch, P.E. FLA. C.E. REG. NO. 53545		
CONTRACT NO. C-E304 DWG. NO. C-115		"RECORD DRAWINGS"

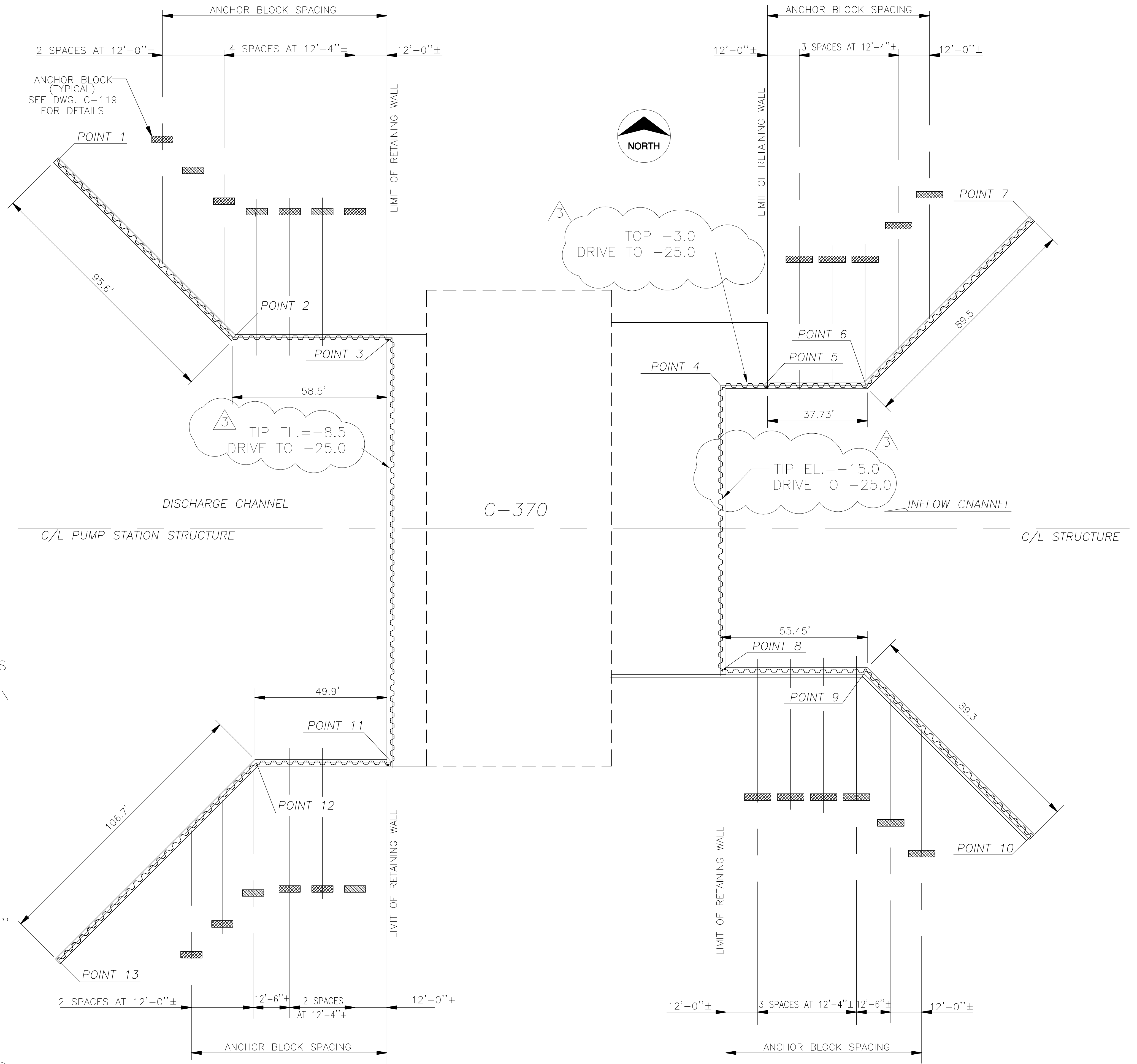


**SHEET PILE & DRIVING NOTES**

- ALL SHEET PILING SHALL BE ARBED AZ 36 OR EQUAL BETWEEN POINTS 1 THRU 3 (NORTHWEST DISCHARGE CHANNEL RETAINING WALL) AND BE DRIVEN TO A TIP EL. OF -33.75 TOP OF SHEET PILING, EL. 18.5.
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- ALL SHEET PILING SHALL BE ARBED AZ 36 OR EQUAL BETWEEN POINTS 11 THRU 13 (SOUTHWEST DISCHARGE CHANNEL RETAINING WALL) AND BE DRIVEN TO A TIP EL. OF -33.75 TOP OF SHEET PILING, EL. 18.0.
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- GROUND LINE AT THE TIME OF DRIVING ALL SHEET PILING (INCLUDING ALL CHANNEL RETAINING WALLS) WILL BE AT THE EXCAVATION LINE (-14.5 ±)
- PROVIDE TEMPORARY BRACING FOR ALL CHANNEL RETAINING WALLS PRIOR TO START OF BACKFILLING OPERATION. BRACING SHALL REMAIN IN PLACE UNTIL BACKFILLING AND ANCHOR BLOCKS ARE IN PLACE.

**SHEET PILE NOTES**

- HOLES CUT IN STEEL SHEET PILING FOR PASSING REINFORCING BARS SHALL NOT EXCEED 2"Ø. WHERE HOLES FALL WITHIN THE WEB OF THE STEEL SHEET PILE, THE HOLE SHALL BE SLOTTED 4" HORIZONTALLY TO ACCOMODATE PASSING THE REINFORCING BARS.
- ANY SUBSTITUTIONS SHALL BE SUBMITTED TO THE CONTRACT REPRESENTATIVE FOR APPROVAL.
- STEEL SHEET PILE SURFACE PREPARATION AND PAINTING SHALL BE IN ACCORDANCE WITH SECTION 02365 AND 09900 OF THE SPECIFICATIONS.
- ALL SHEET PILE BUILD-UP SECTIONS AND CONNECTION PARTS SHALL BE WELDED AS SHOWN ON DET-6 DWG. NO. C-117 AND DET-8 DWG. NO. C-219.
- HANDRAILS SHALL BE VERTICAL AND CONTINUOUS ALONG THE TOP OF THE SHEET PILE WALL CAP. SEE TYPICAL DETAIL DWG. NO. S-6 FOR HANDRAILS.



**PLAN**  
**RETAINING WALL TIE-BACK**

SCALE: 1" = 20'



Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

"RECORD DRAWINGS"

Scale For Microfilming  
Inches  
Millimeters

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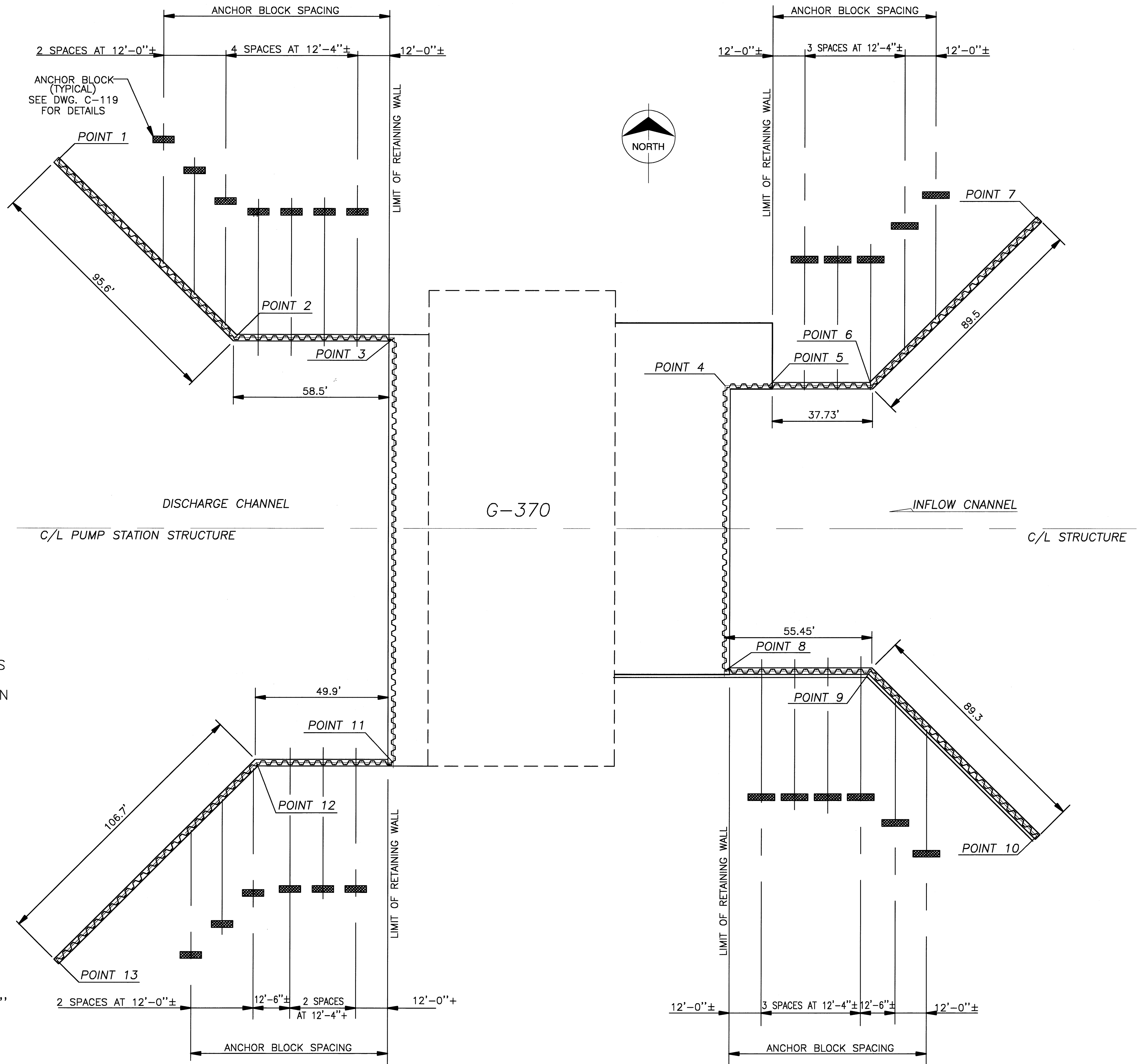
<p><b>Brown Cunningham Gannuch</b> ENGINEERS • ARCHITECTS • CONSULTANTS METairie, LOUISIANA 70006 (504) 454-3866 License No. EB0008095</p>		<p><b>Burns &amp; McDonnell</b> SINCE 1898 9400 WARD PARKWAY KANSAS CITY, MO. 64114 Certificate: E0000253 BUDJ 24930</p>																																	
<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372</p>	<p>PUMP STATION G-370 SHEET PILING NOTES AND DETAILS</p>	<p>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</p>	<p>EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>																																
<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>CHKD</th> <th>DATE</th> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> </table>	NO.	DATE	CHKD	DATE	1				2				3				<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>CHKD</th> <th>DATE</th> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> </table>	NO.	DATE	CHKD	DATE	1				2				3				<p>CONTRACT NO. C-E304 DWG. NO. C-116</p>	<p>CONTRACT NO. C-E304 DWG. NO. C-116</p>
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**PLAN  
RETAINING WALL TIE-BACK**

SCALE: 1" = 20'



Scale For Microfilming  
Millimeters  
Inches

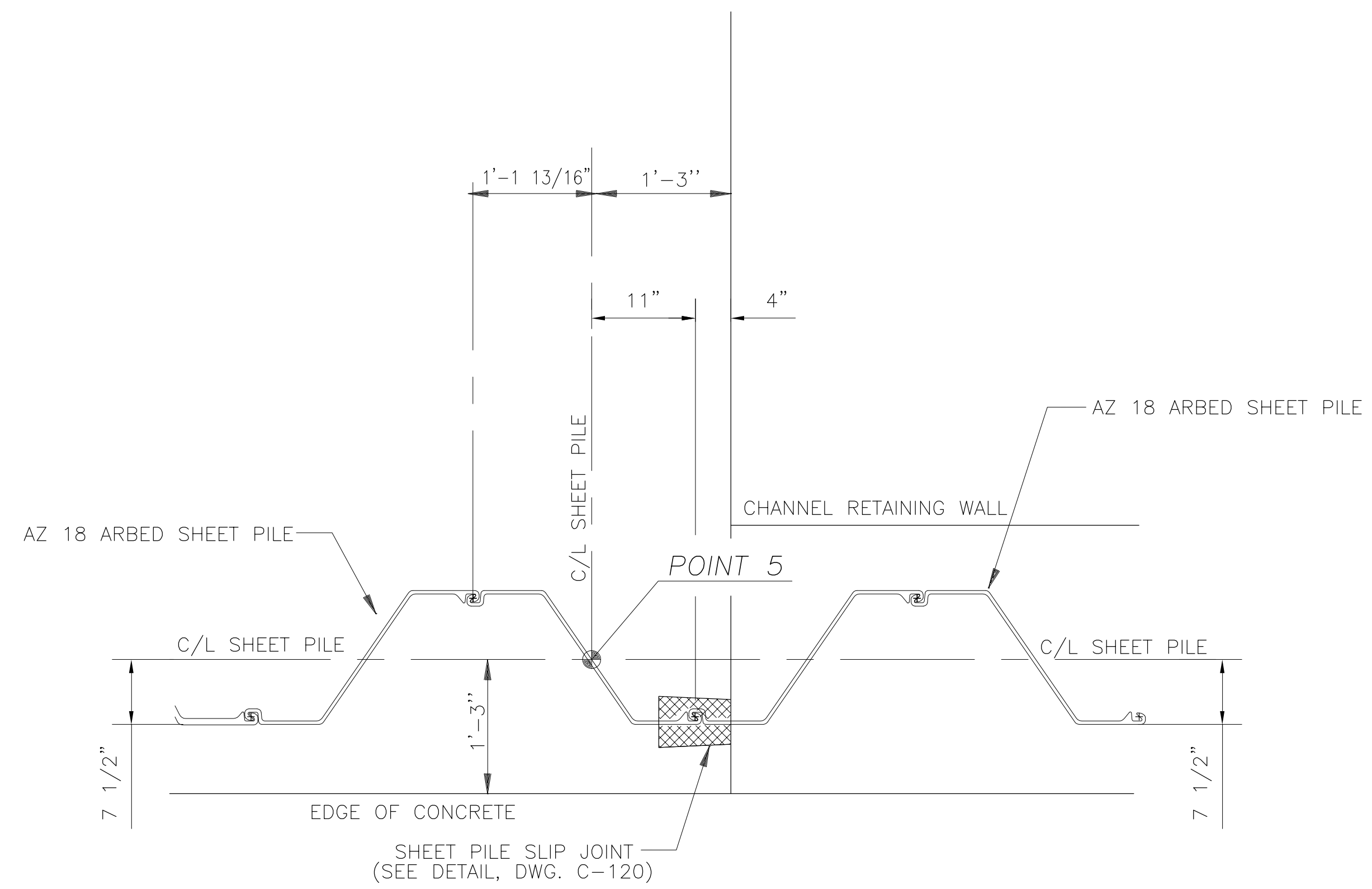
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<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372</p>	<p>PUMP STATION G-370 SHEET PILING NOTES AND DETAILS</p>	<p>SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>	<p>CONTRACT NO. C-E304 DWG. NO. <b>C-116</b></p>								
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>CHKD</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DATE	CHKD	DATE					<p>NO. DWG. CHKD. DATE</p>	
NO.	DATE	CHKD	DATE								

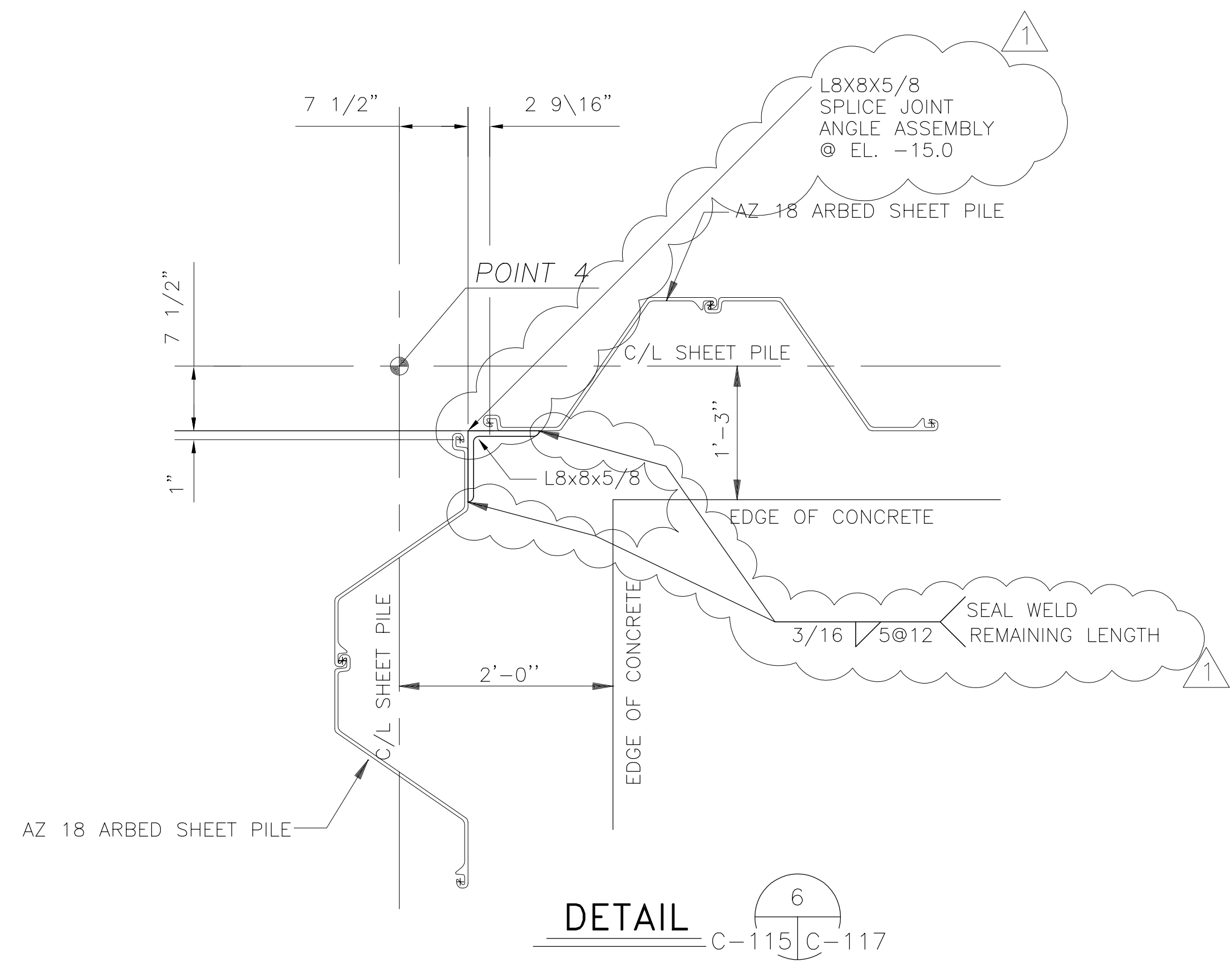
Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545  
*Rodney J. Gannuch*  
05-09-01

Scale For Microfilming

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**DETAIL 5**  
C-115 | C-117  
SCALE IN FEET



**DETAIL 6**  
C-115 | C-117  
SCALE IN FEET

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**  
EVERGLADES CONSTRUCTION PROJECT  
3301 GUN CLUB ROAD  
WEST PALM BEACH, FLORIDA 33406

**EVERGLADES CONSTRUCTION PROJECT**  
STORMWATER TREATMENT AREA NO. 3/4  
PUMP STATIONS G-370 & G-372  
PUMP STATION-370  
SHEET PILING DETAILS

**Burns & McDonnell**  
SINCE 1888  
9400 WARD PARKWAY  
KANSAS CITY, MO. 64114  
Certificator: ER0000253  
BRIJG

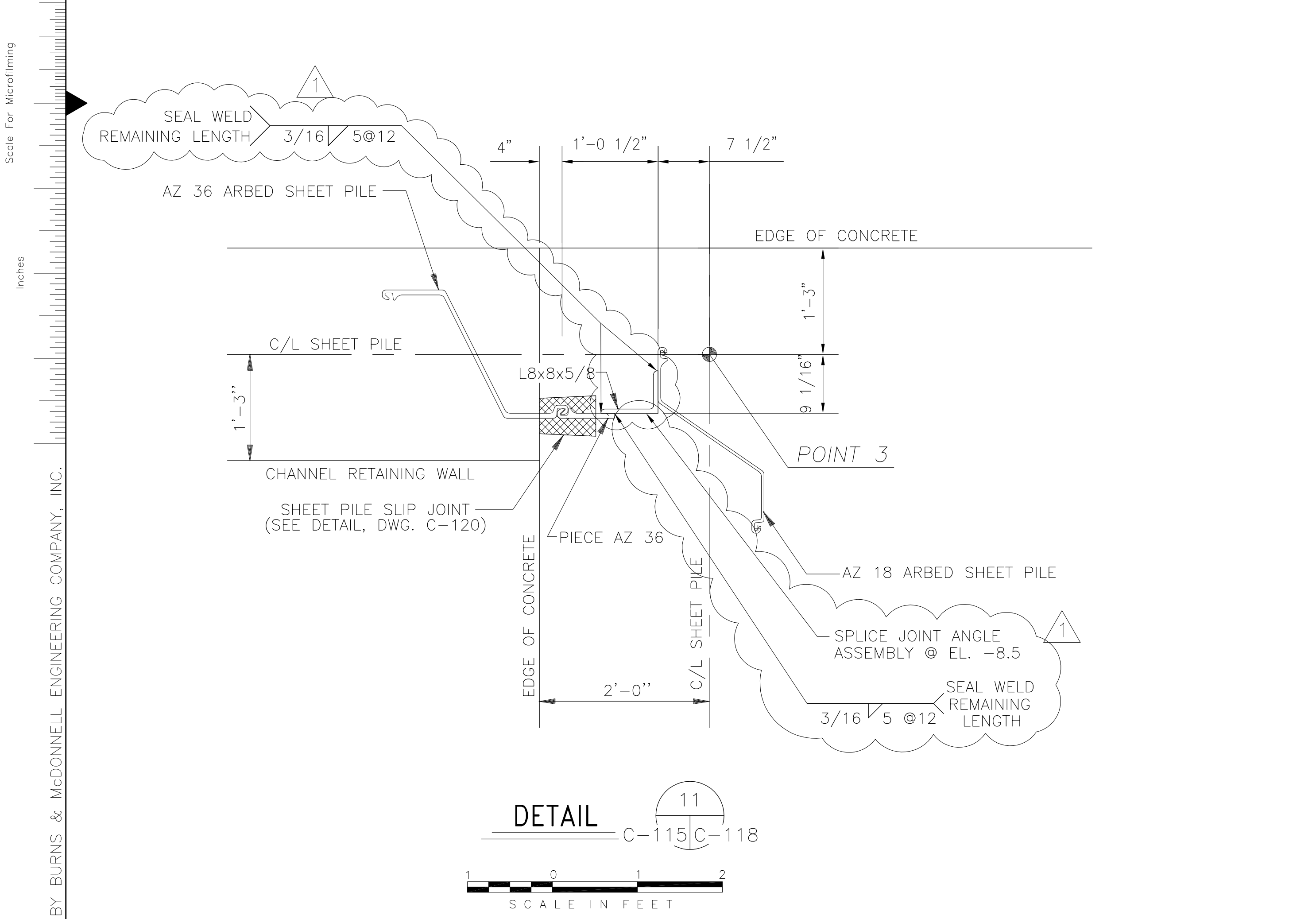
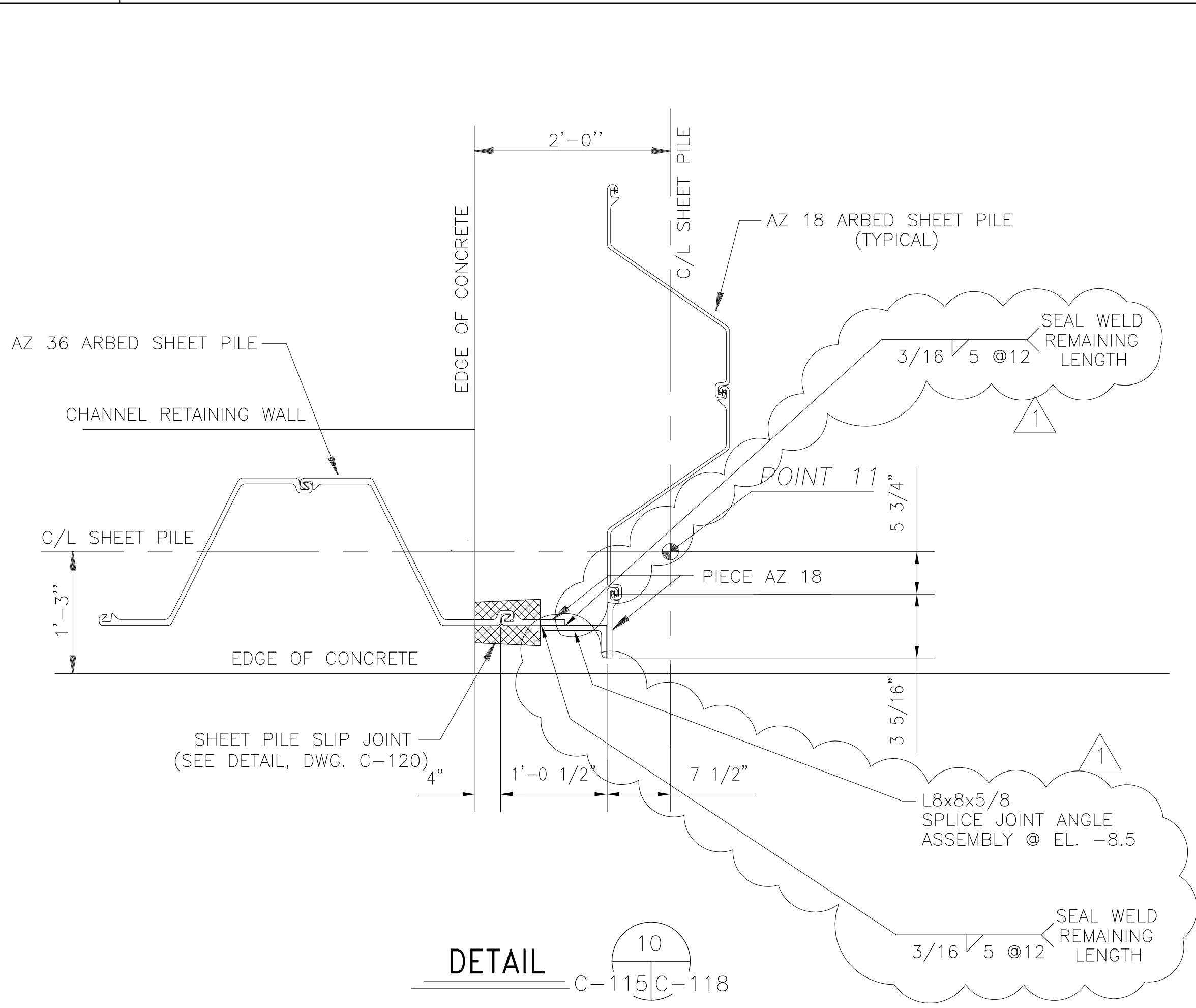
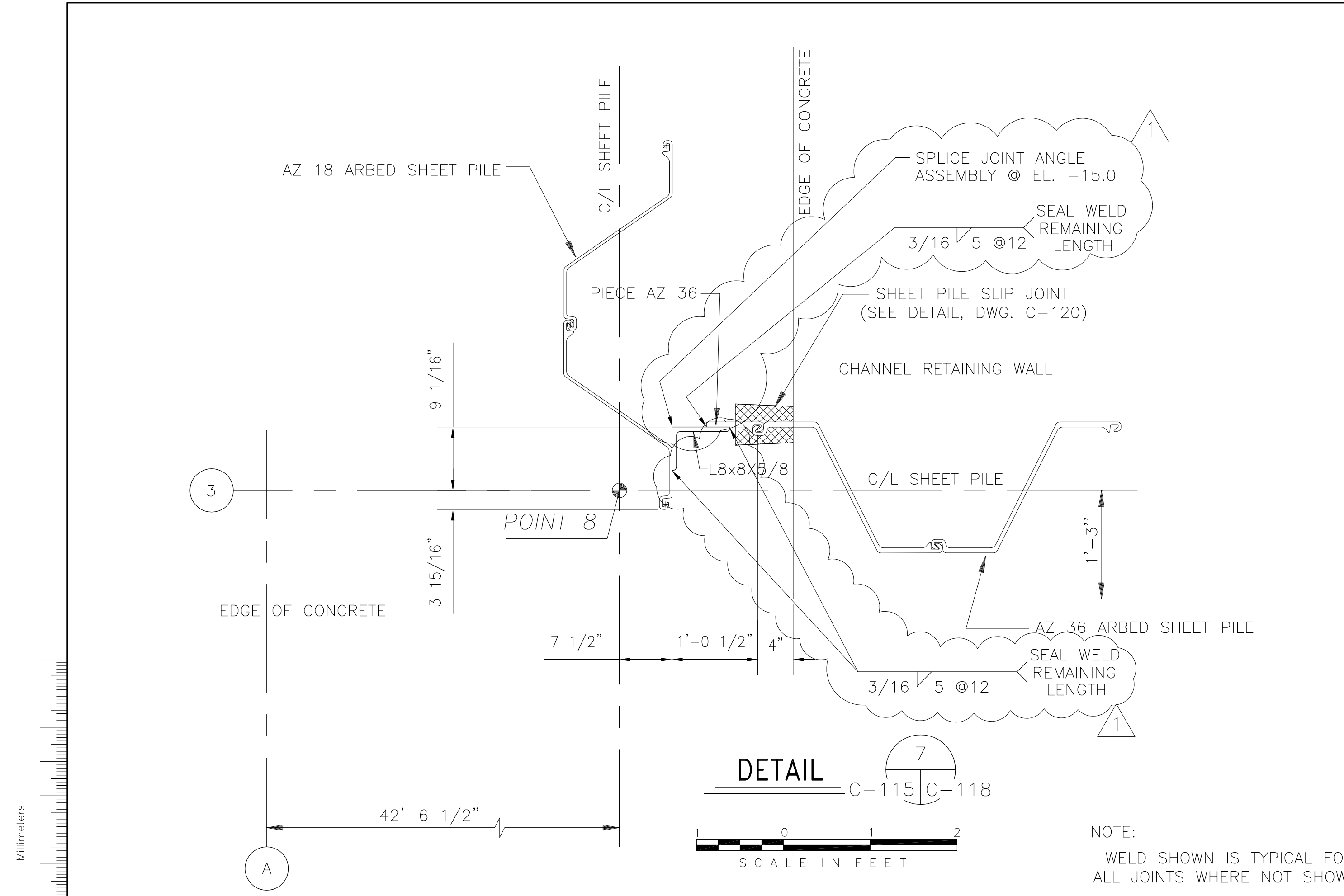
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ENGINEERS  
METAFAB, LOUISIANA 70006  
(504) 454-3866  
License No. EB00008095

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CONTRACT NO.  
C-E304  
DWG. NO.  
C-117

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Inches  
Millimeters

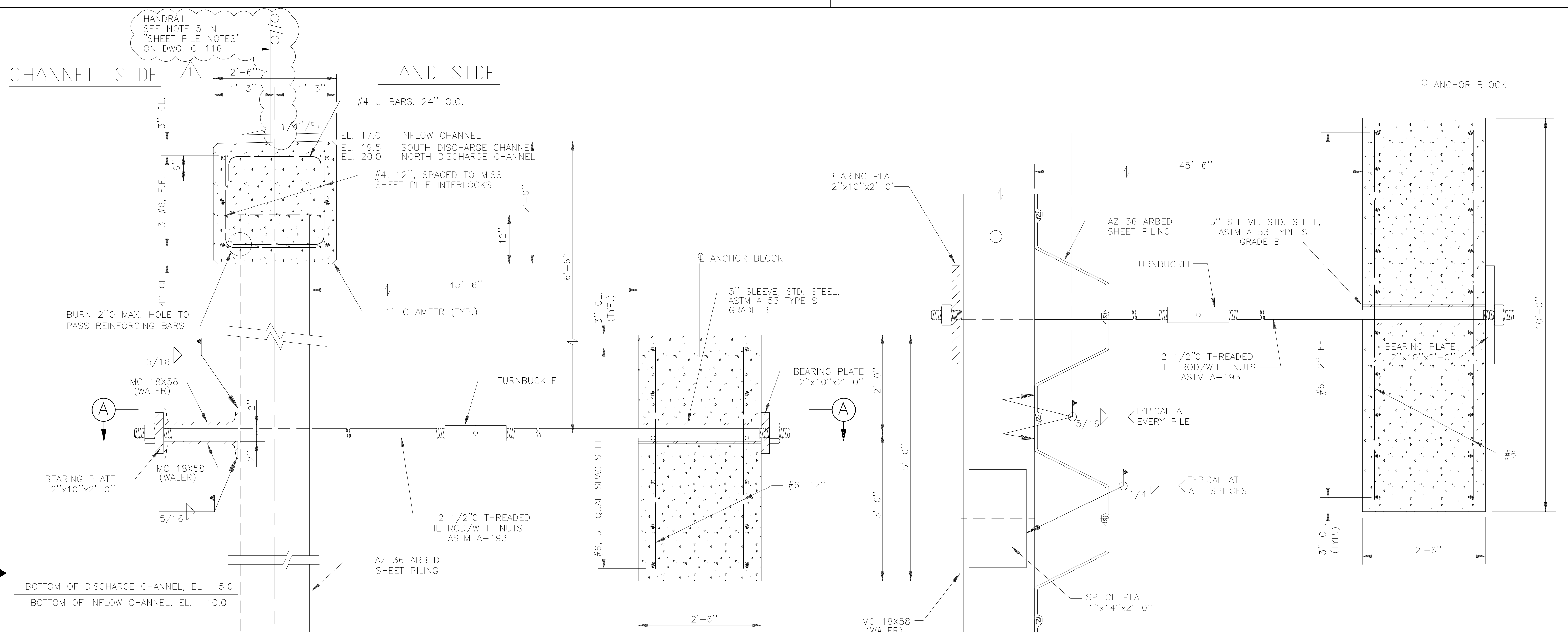
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<p><b>Burns &amp; McDonnell</b> SINCE 1888 9400 WARD PARKWAY KANSAS CITY, MO. 64114 Certificate: ER0000253 BUD</p>		<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372</p>	<p>PUMP STATION G-370 SHEET PILING DETAILS</p>
<p>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</p>		<p>EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>	<p>CONTRACT NO. C-E304 DWG. NO. C-118</p>

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

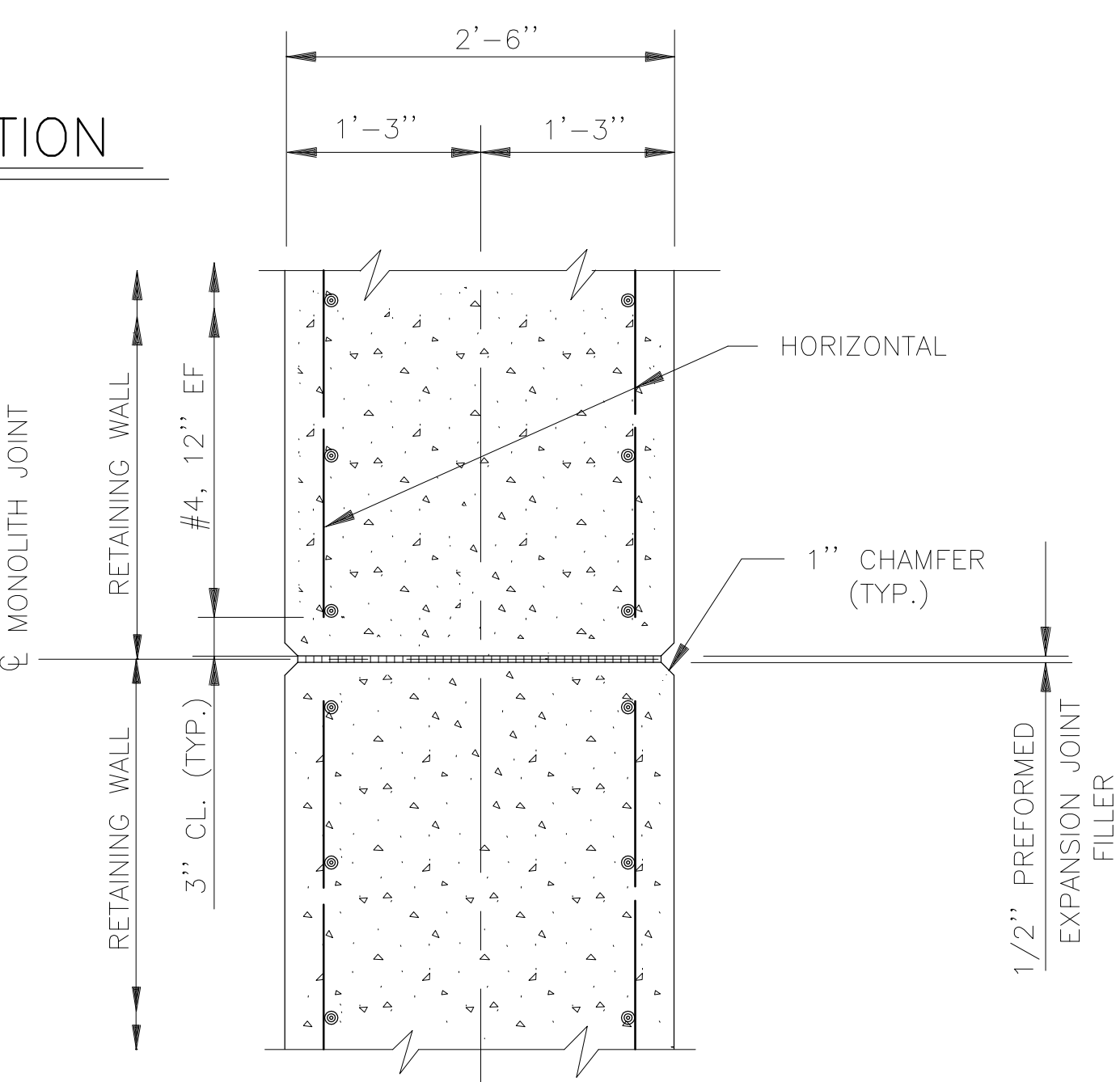
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CHANNEL SIDE

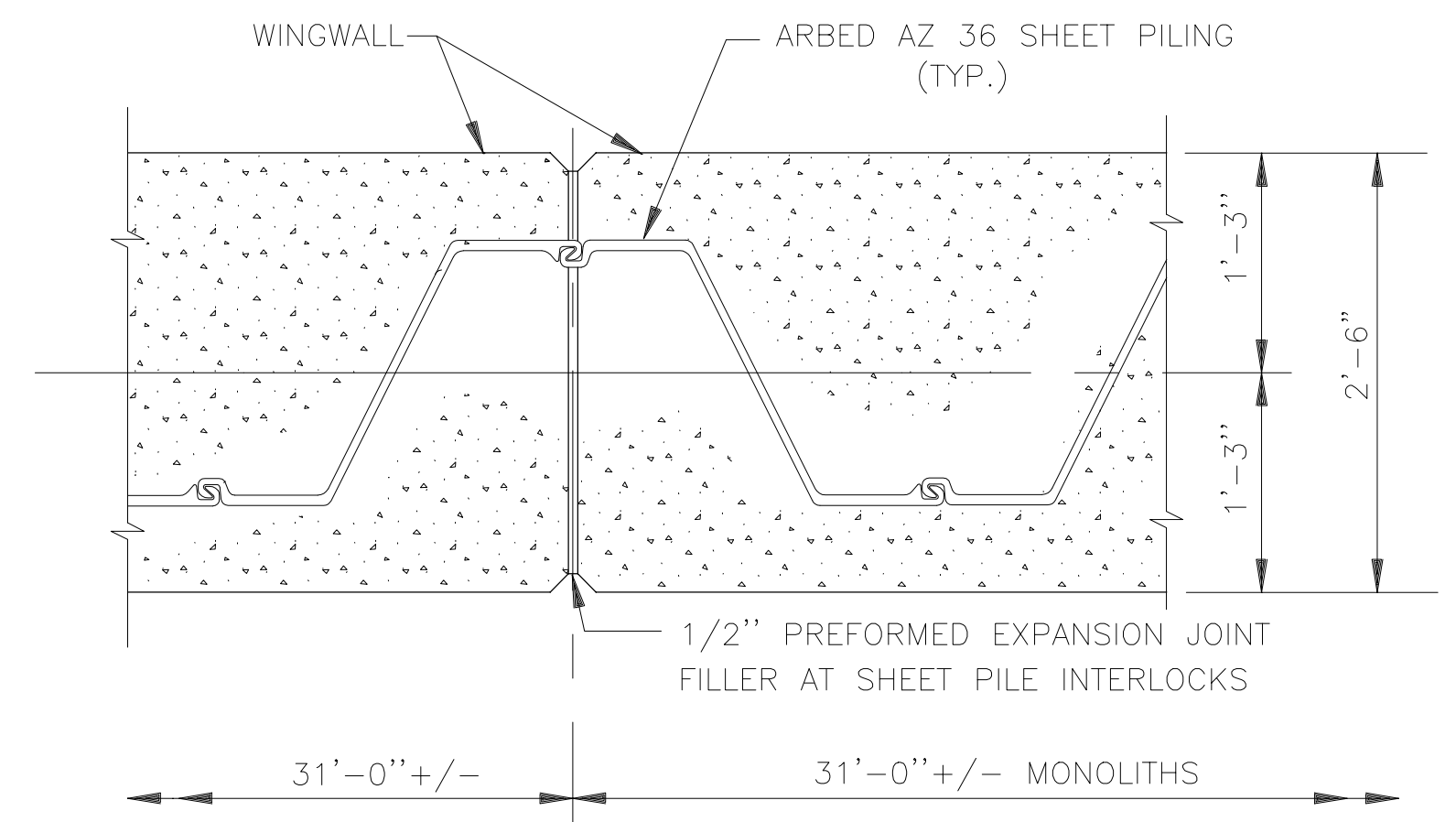
LAND SIDE



TYPICAL CHANNEL RETAINING WALL SECTION



TYPICAL REINFORCEMENT AT MONOLITH JOINT



TYPICAL MONOLITH AT SHEET PILE INTERLOCKS

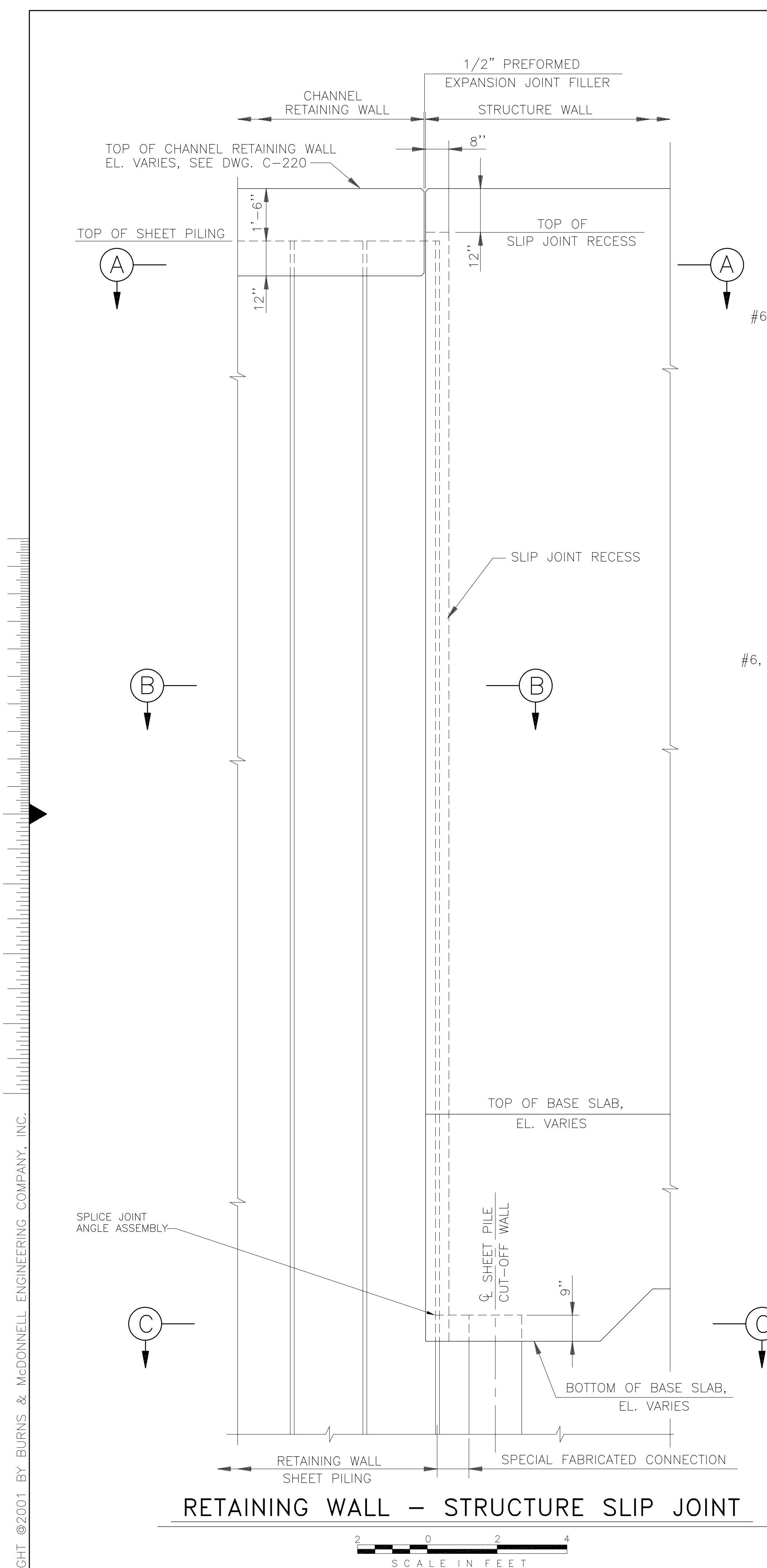
NOTE:  
 RETAINING WALL MONOLITHS SHALL BE 31'-0" +/- UNLESS OTHERWISE INDICATED ON THE PROFILE. EACH MONOLITH SHALL END AT THE CENTER OF THE NEAREST SHEET PILE INTERLOCK.

Rodney J. Gannuch, P.E.  
 FLA. C.E. REG. NO. 53545

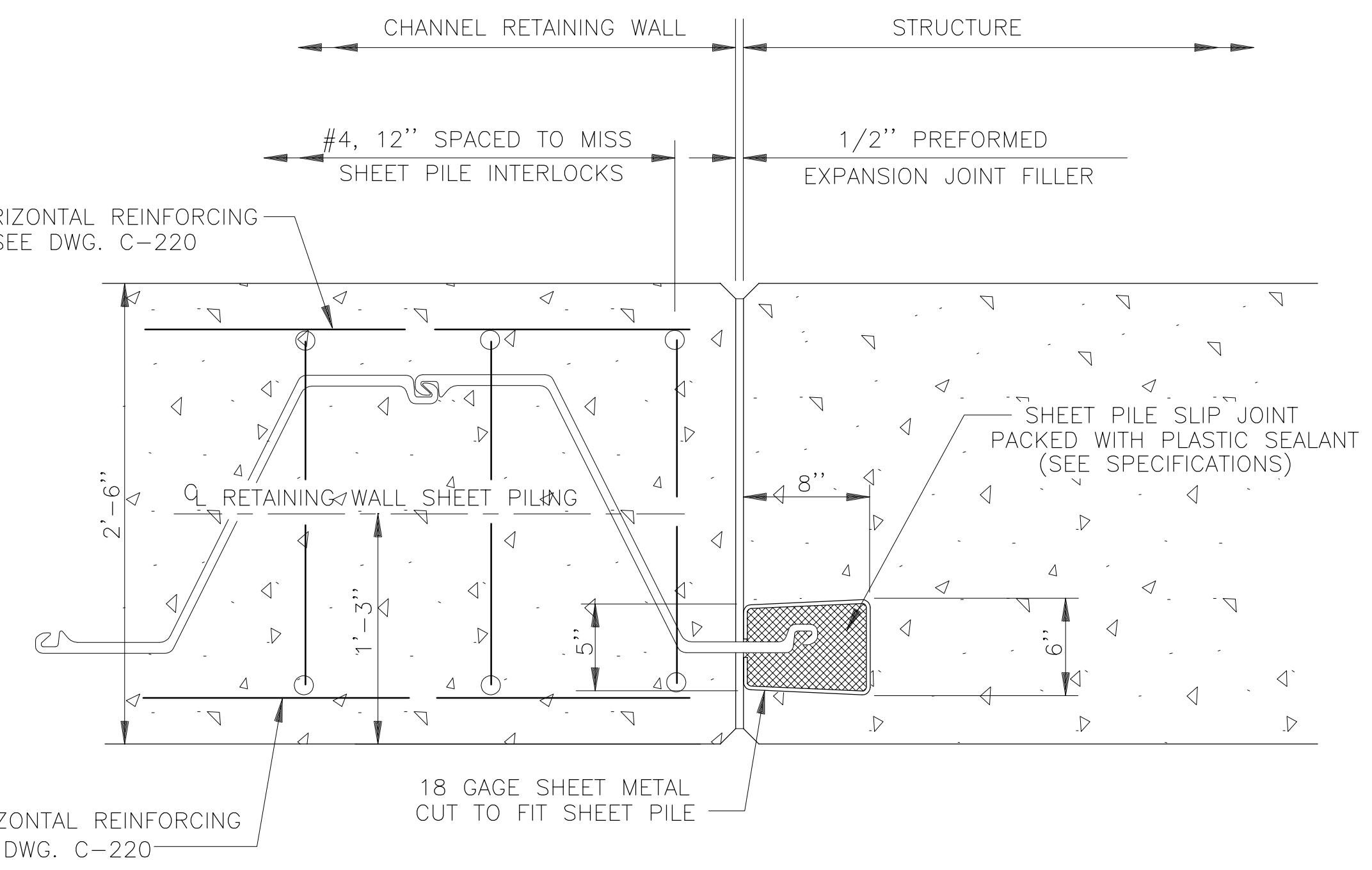
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<p><b>Brown Cunningham Gannuch</b>        ARCHITECTS, ENGINEERS, CONSULTANTS        METAFAR, LOUISIANA 70006        (504) 454-3866        License No. EB00008095</p>		BHD EJM DER R/G LJM 6-29-01 REVISED PER ADDENDUM NO. 3 DATE	NO. DWN CHKD DATE
<p><b>Burns &amp; McDonnell</b>        SINCE 1888        9400 WARD PARKWAY        KANSAS CITY, MO. 64114        Certificate: EB0000253        BUDG. 24930</p>		EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATION G-370 CHANNEL RETAINING WALL SECTIONS AND DETAILS	
SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406		CONTRACT NO. C-E304 DWG. NO. C-119	

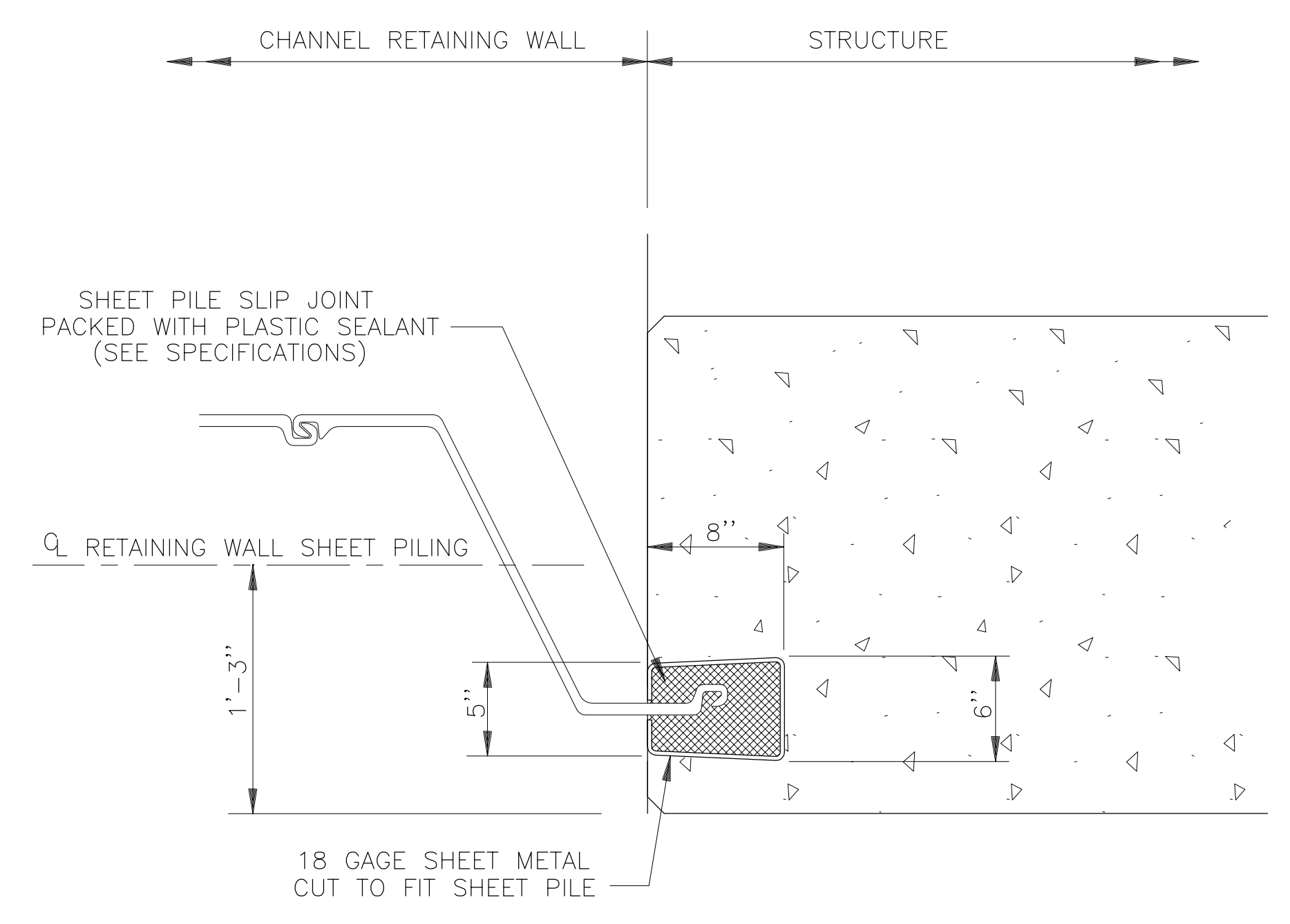
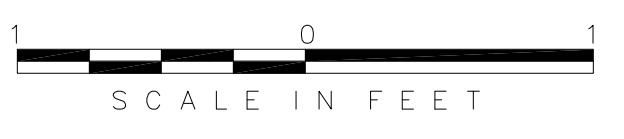
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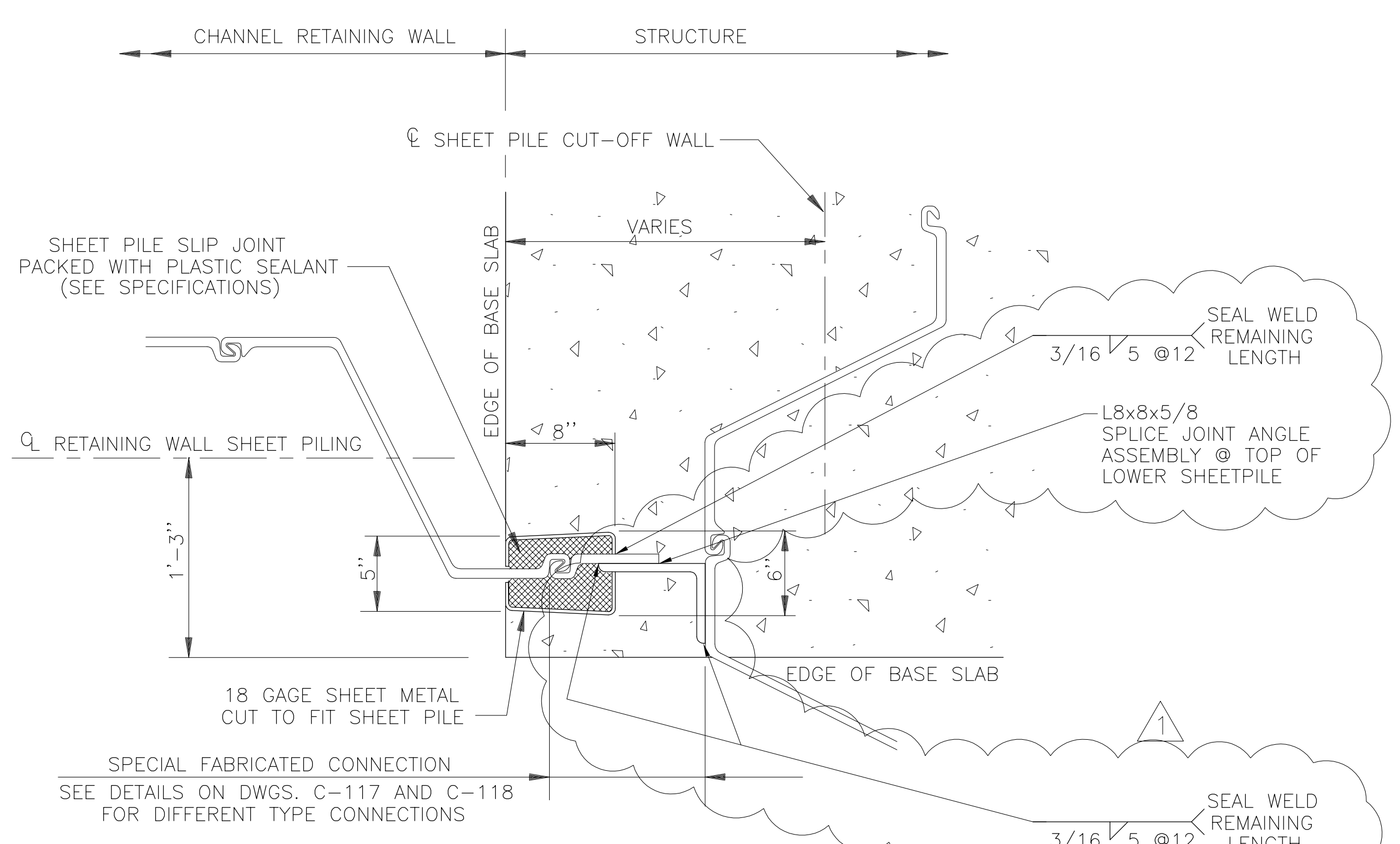
**RETAINING WALL - STRUCTURE SLIP JOINT**



**SECTION A**



**SECTION B**



**SECTION C**



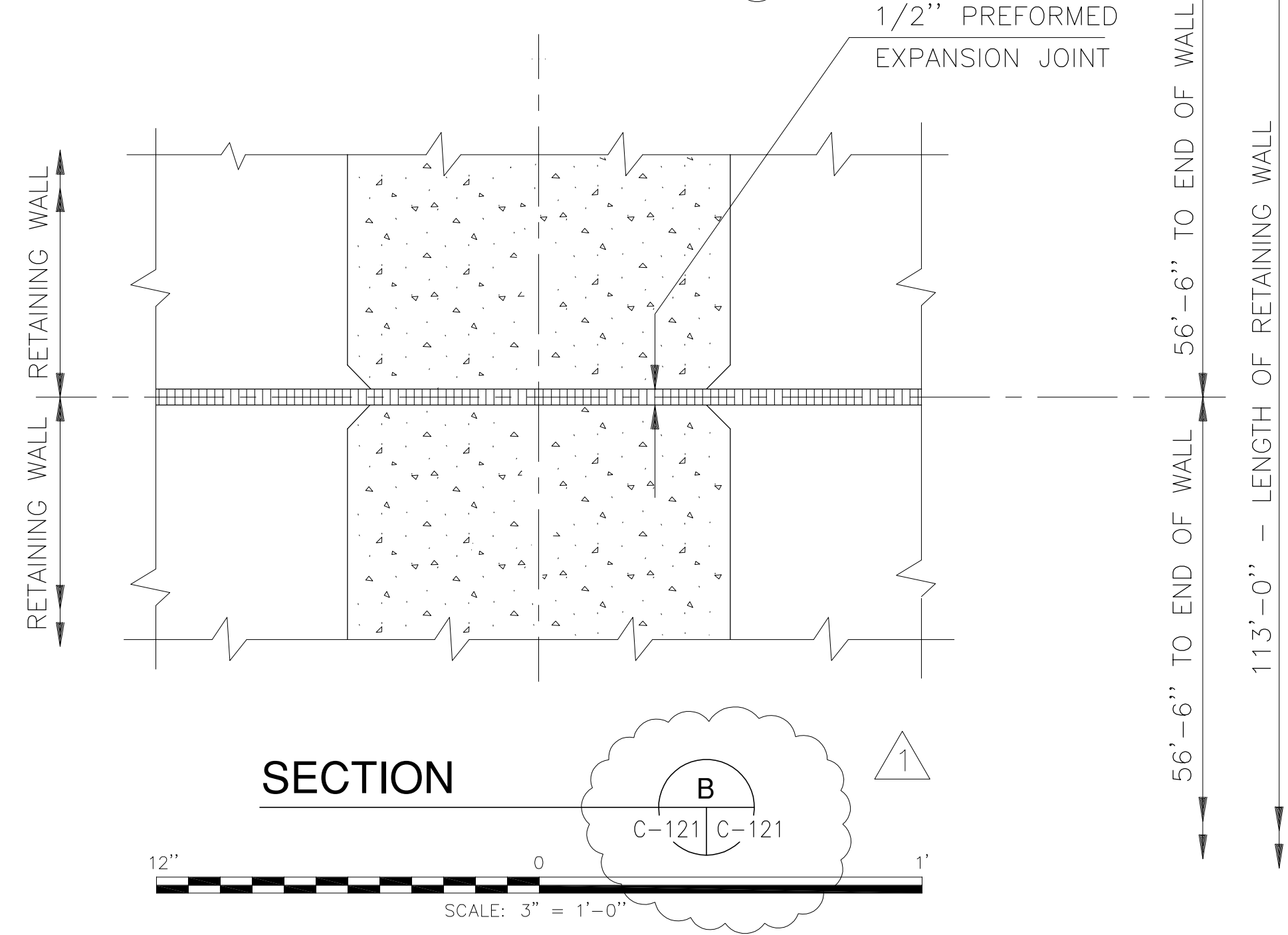
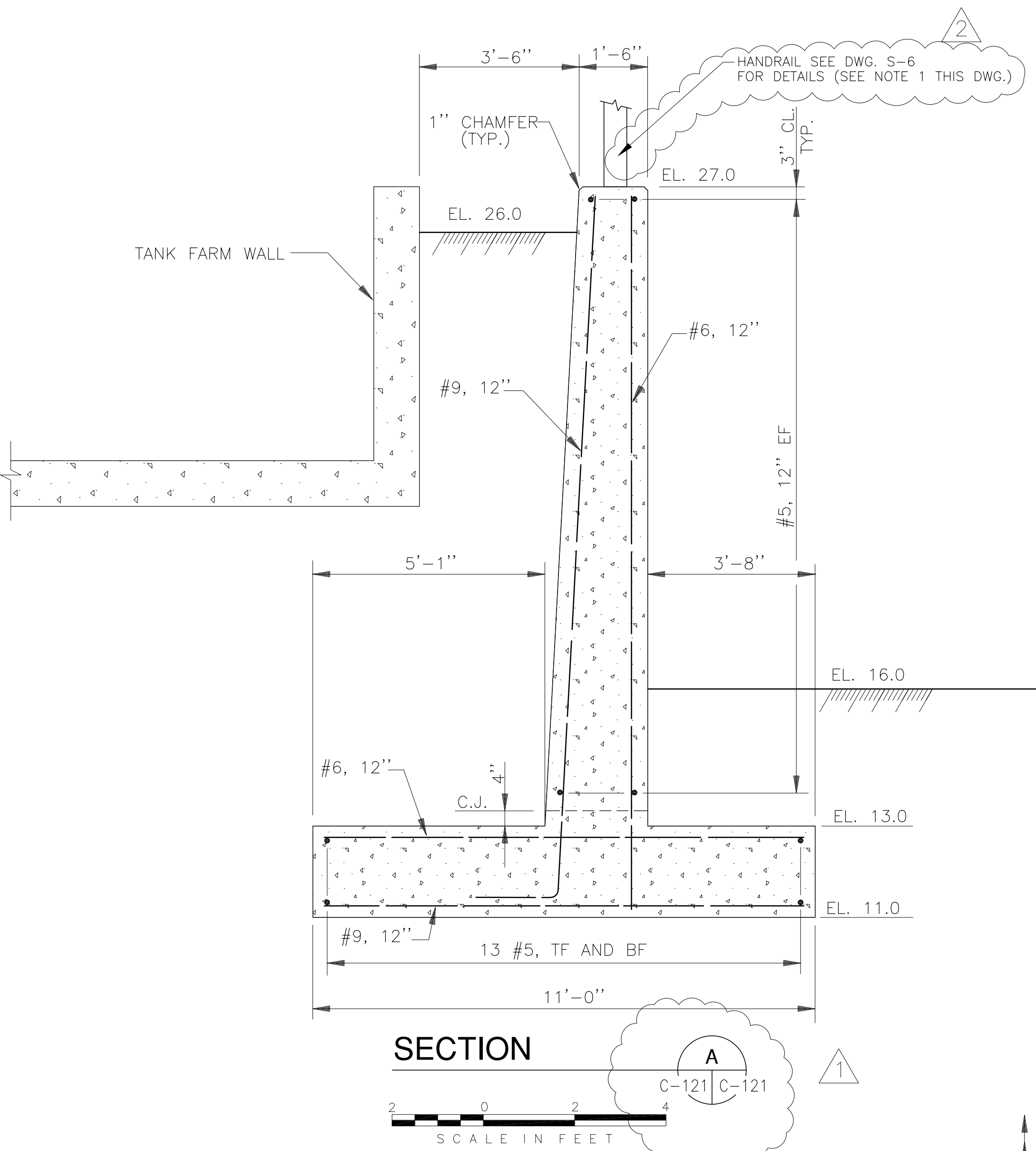
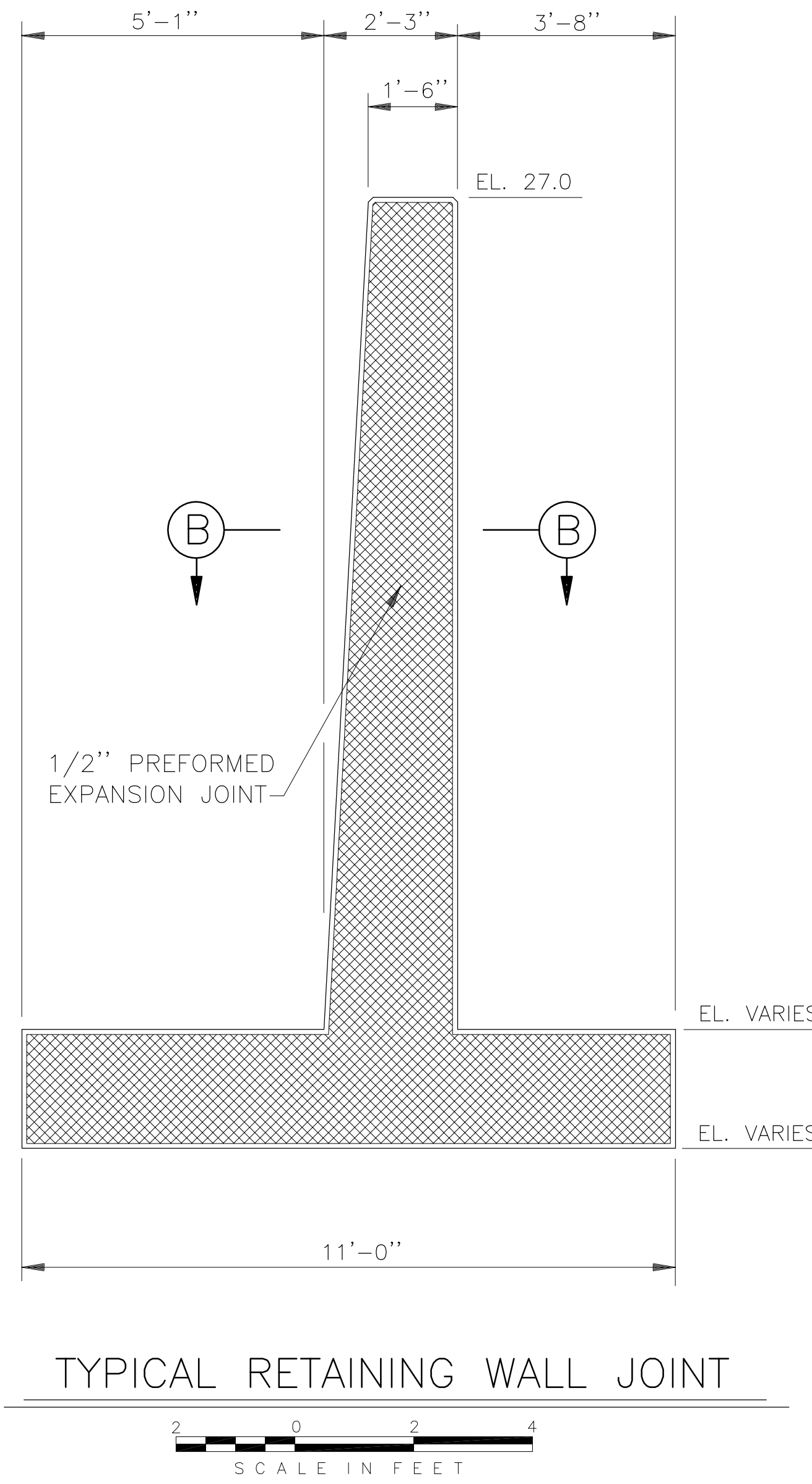
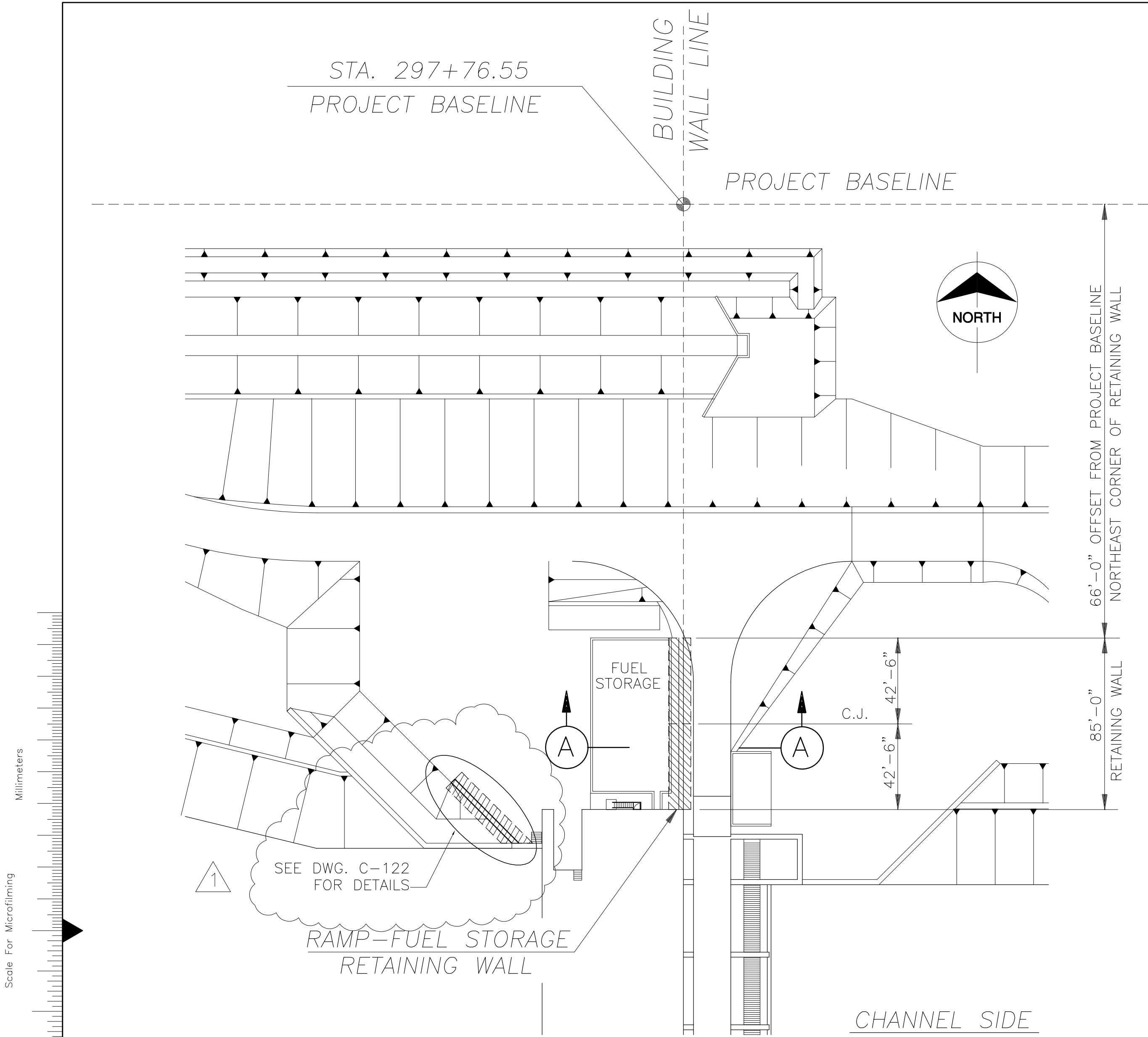
Scale For Microfilming  
 Inches  
 Scale For Microfilming  
 Millimeters  
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<b>Burns &amp; McDonnell</b> SINCE 1888 9400 WARD PARKWAY KANSAS CITY, MO. 64114 Certificate: EB0000253 (BUD)		EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATION DETAILS CHANNEL RETAINING WALLS SLIP JOINT DETAILS	
SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406		CONTRACT NO. C-E304 DWG. NO. C-120	

Rodney J. Gannuch, P.E.  
 FLA. C.E. REG. NO. 53545

"RECORD DRAWINGS"





NOTES:

1. ALL HANDRAILING FULL-LENGTH ATOP OF ALL CONCRETE RETAINING WALLS.

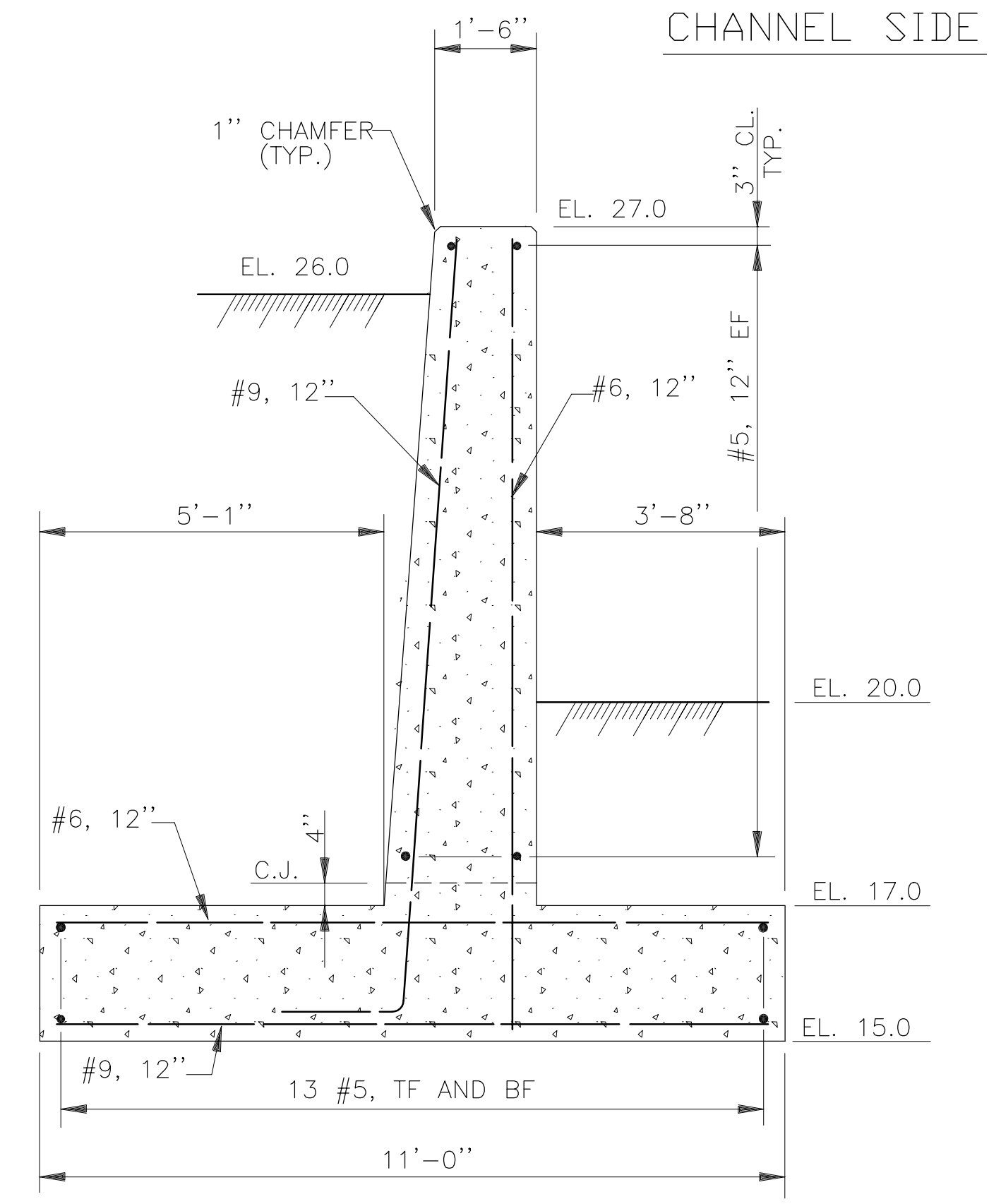
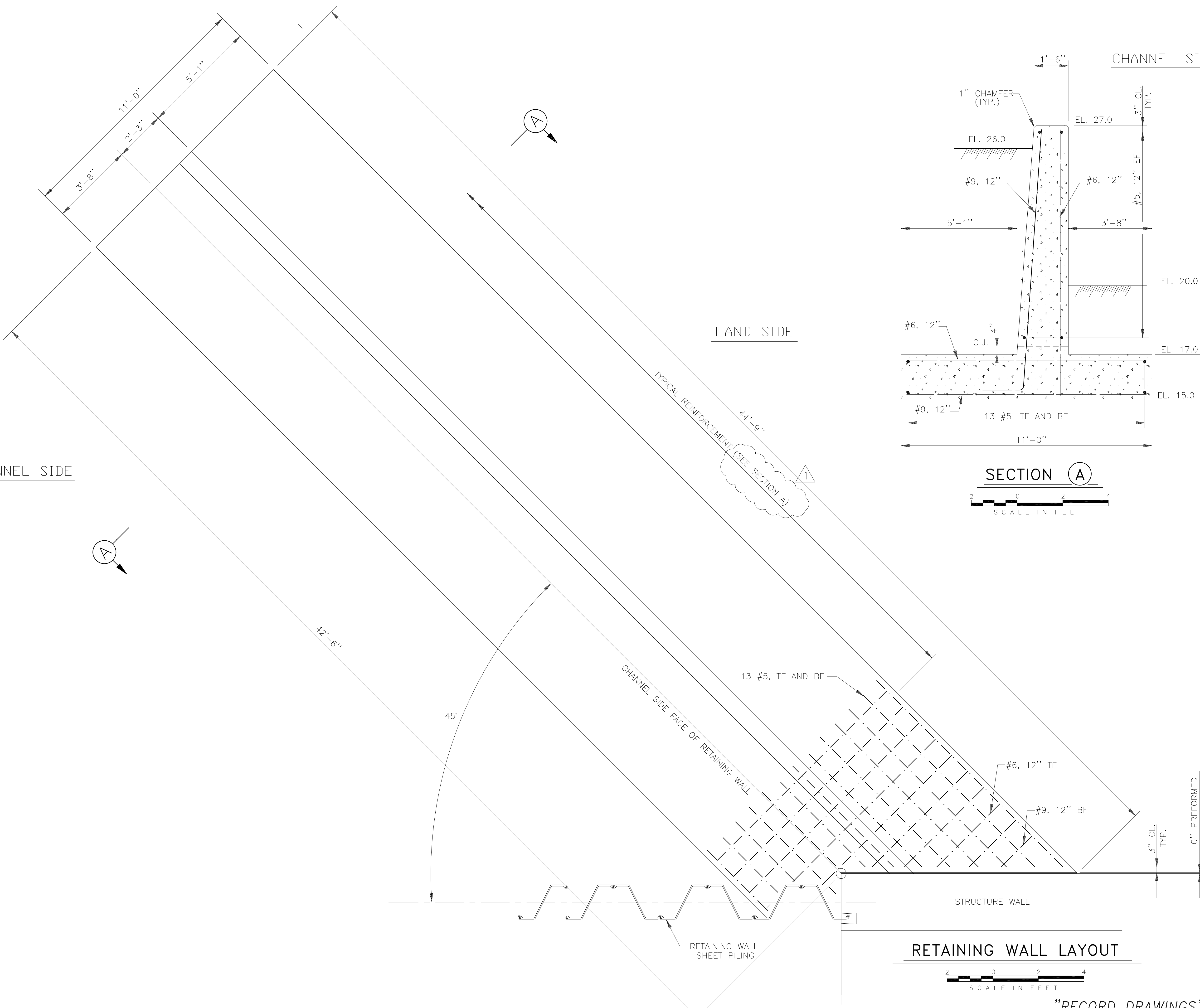
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<p><b>Burns &amp; McDonnell</b> SINCE 1888</p>		<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372</p>		<p>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</p>	
<p>9400 WARD PARKWAY KANSAS CITY, MO. 64114 Certificate: ER0000253 BUDG. 24930</p>		<p>PUMP STATION G-370 RETAINING WALL LAYOUT &amp; DETAILS</p>		<p>EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>	
<p>BHD EJM</p>	<p>CHKD DER</p>	<p>DESIGN R/G</p>	<p>NO. 10/2001</p>	<p>DATE</p>	<p>REVISIONS</p>
<p>CONTRACT NO. C-E304</p>	<p>DWG. NO. C-121</p>	<p>DATE</p>	<p>CHKD</p>	<p>DATE</p>	<p>REVISIONS</p>

"RECORD DRAWINGS"

CHANNEL SIDE

LAND SIDE



SECTION (A)  
SCALE IN FEET

RETAINING WALL LAYOUT  
SCALE IN FEET

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**  
EVERGLADES CONSTRUCTION PROJECT  
3301 GUN CLUB ROAD  
WEST PALM BEACH, FLORIDA 33406

EVERGLADES CONSTRUCTION PROJECT  
STORMWATER TREATMENT AREA NO. 3/4  
PUMP STATIONS G-370 & G-372  
PUMP STATION G-370  
RETAINING WALLS  
LAYOUT AND DETAILS

**Burns & McDonnell**  
SINCE 1888  
9400 WARD PARKWAY  
KANSAS CITY, MO. 64114  
Certificate: ER0000253  
BUD: 24930

**Brown Cunningham Gannuch**  
ARCHITECTS CONSULTANTS  
ENGINEERS  
METAFIRE LOUISIANA 70006  
(504) 454-3866  
License No. EB00008095

DRAWN	BHD	CHKD	EJM	DESIGN	DER	R/G	CHKD	DATE
								5/10/2001

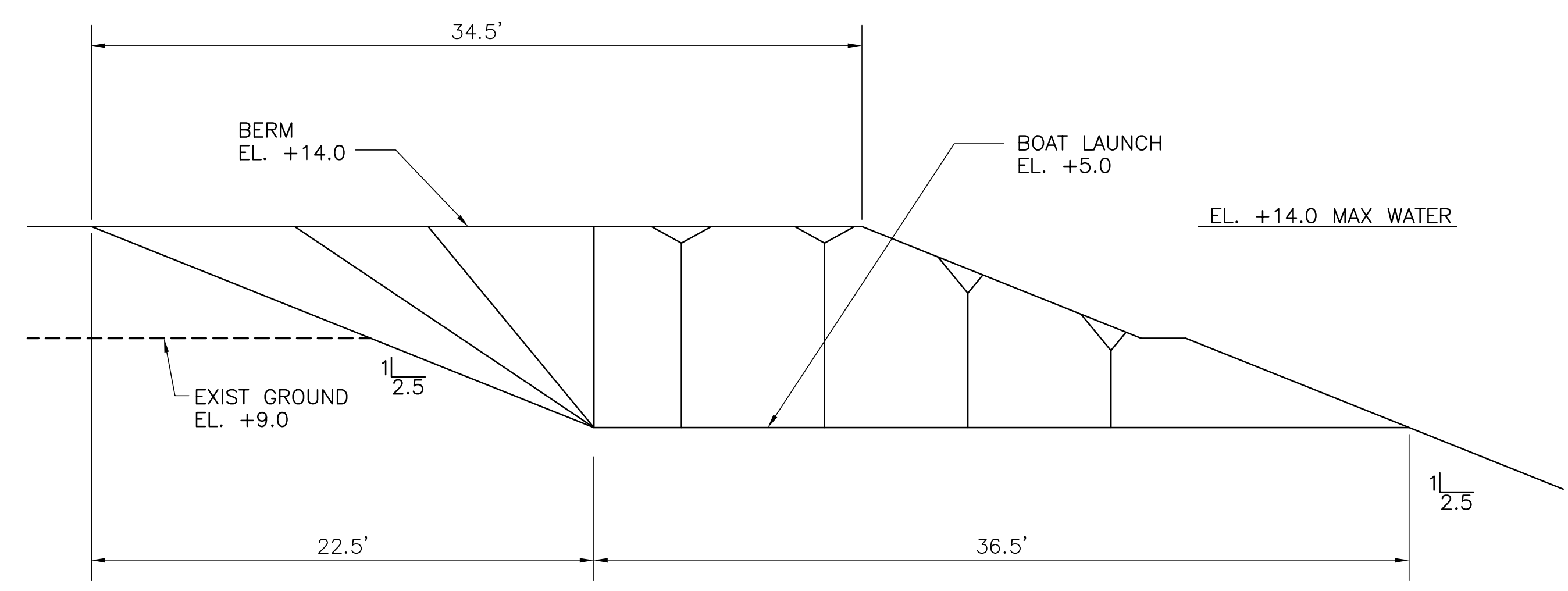
NO.	DATE	CHKD	REVISIONS
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CONTRACT NO. C-E304  
DWG. NO. C-122

"RECORD DRAWINGS"

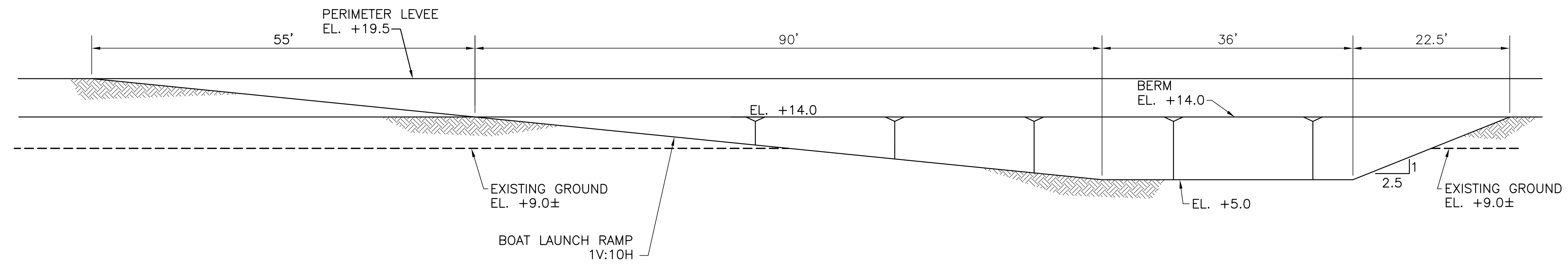


**DISCHARGE SIDE BOAT LAUNCH DETAIL  
PUMP STATION G-370**



**SECTION A-A**

SCALE IN FEET



**SECTION B-B**

SCALE IN FEET

Scale For Microfilming  
Millimeters  
Inches

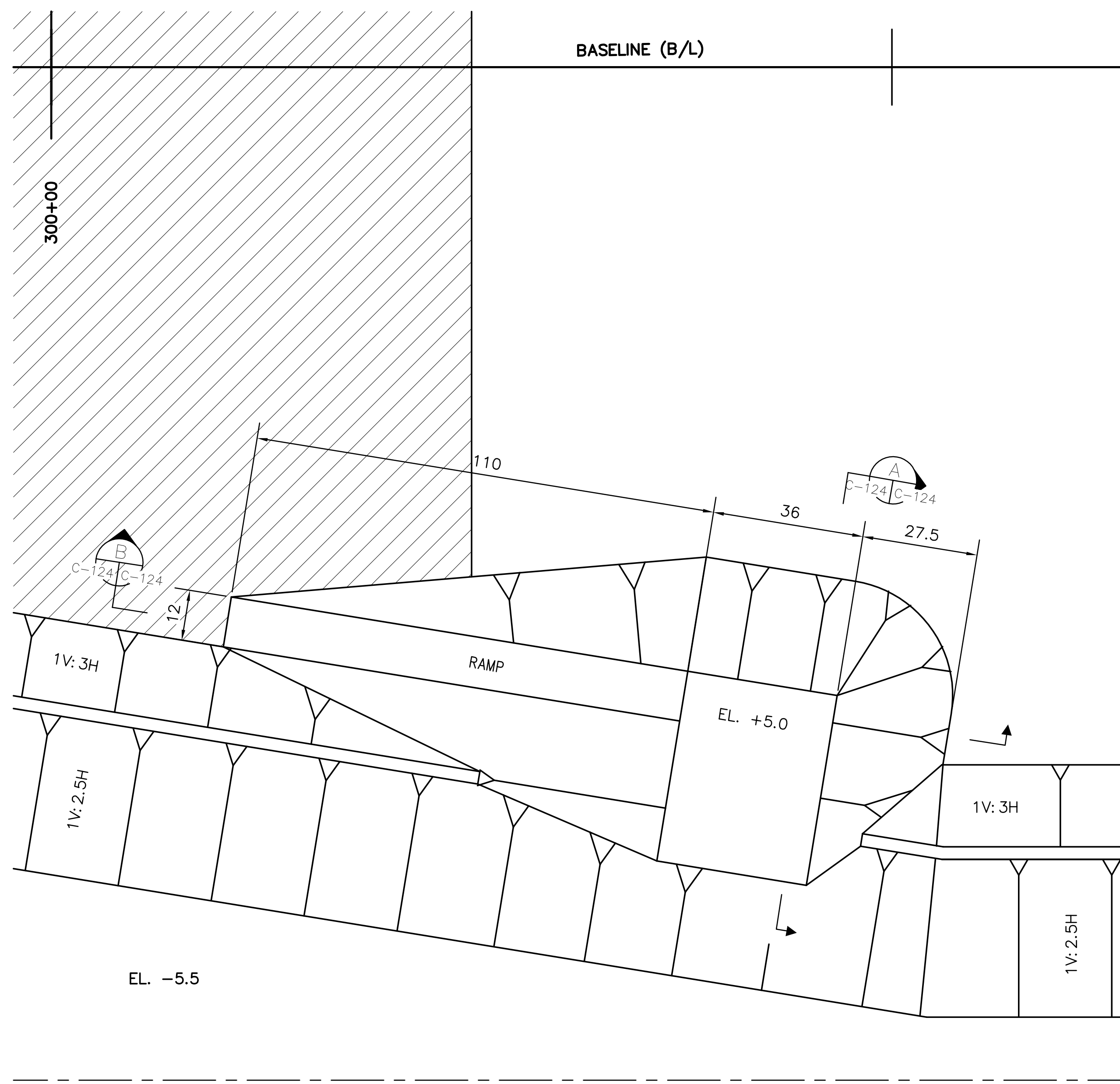
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<p><b>Brown Cunningham Gannuch</b> ENGINEERS • ARCHITECTS • CONSULTANTS 1000 W. WASHINGTON ST., SUITE 200 MEMPHIS, TENNESSEE 38106 (901) 524-3886 License No. EB00008095</p>		<p>NO. DWG</p> <p>CHKD</p> <p>DATE</p>	<p>REVISIONS</p>
<p>DRAWN</p> <p>CHKD</p> <p>DESIGN</p> <p>CHKD</p> <p>DATE</p>	<p>KTG</p> <p>EJM</p> <p>EJM</p> <p>R/G</p> <p>5/10/2001</p>		
<p><b>Burns &amp; McDonnell</b> SINCE 1938 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certified in ISO 9001 REG. 24930</p>			
<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372 PUMP STATION G-370 DISCHARGE SIDE BOAT LAUNCH DETAIL</p>			
<p>SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>			
<p>CONTRACT NO. C-E304 DWG. NO. C-123</p>			

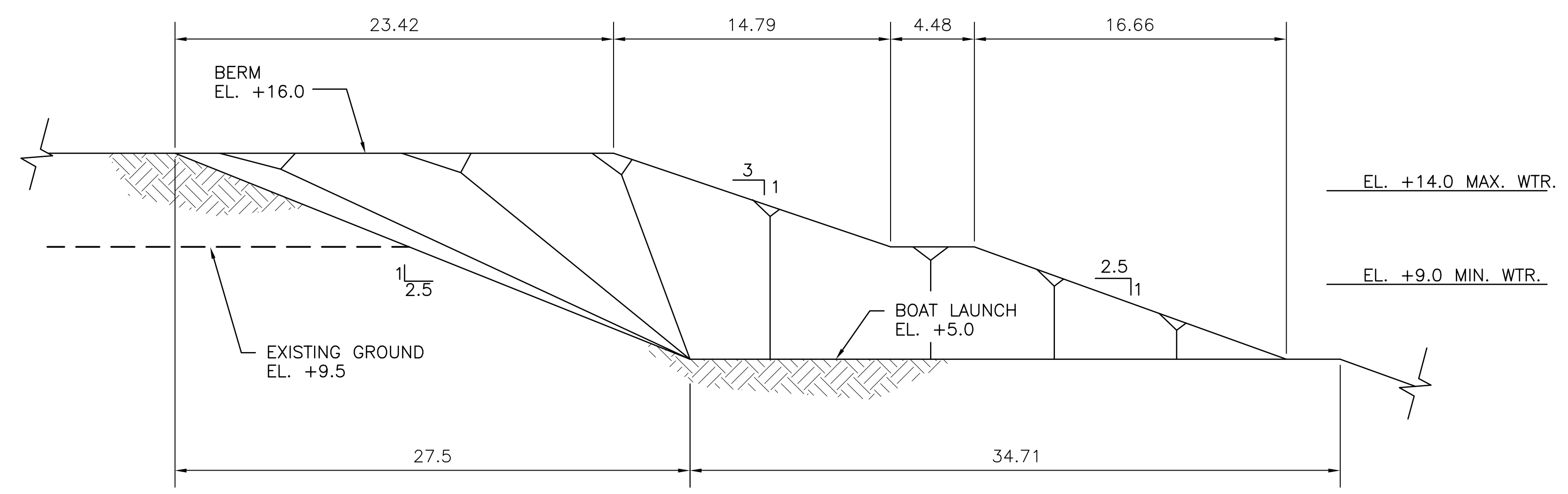
Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

**"RECORD DRAWINGS"**

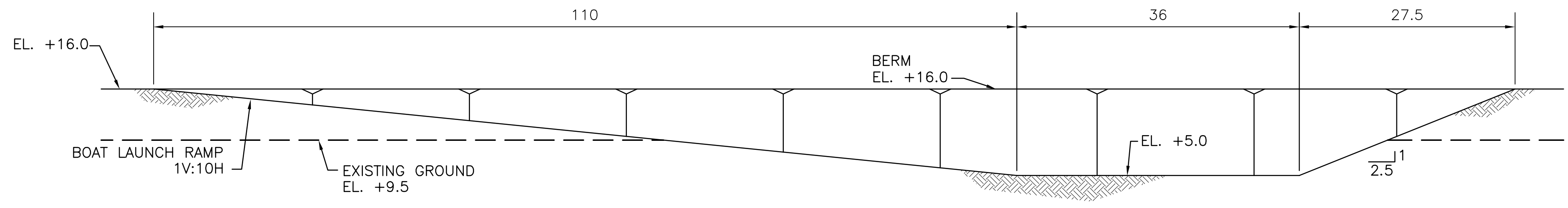




**SUCTION SIDE BOAT LAUNCH DETAIL  
PUMP STATION G-370**



**SECTION A**  
SCALE IN FEET



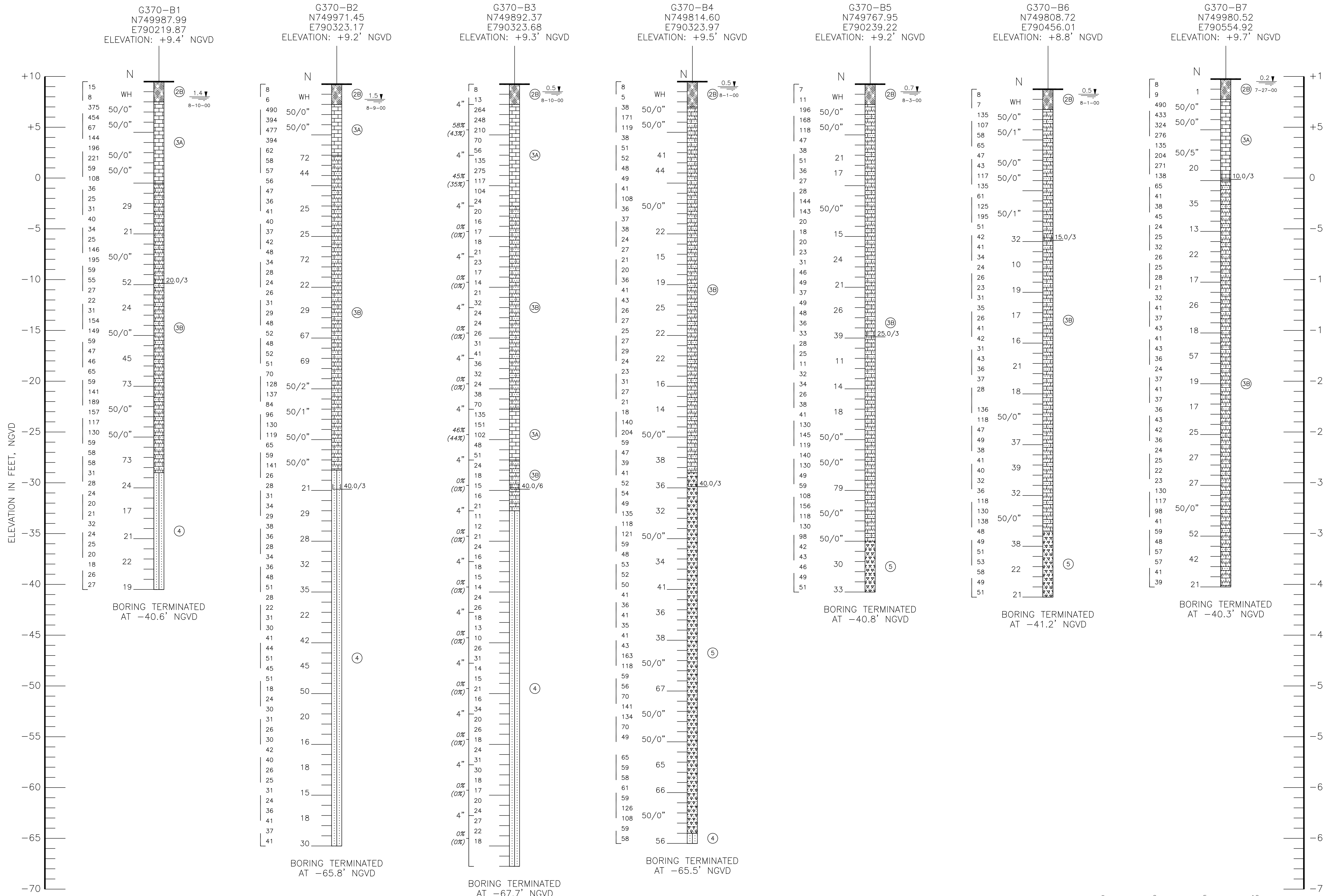
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Scale For Microfilming  
Millimeters  
Inches

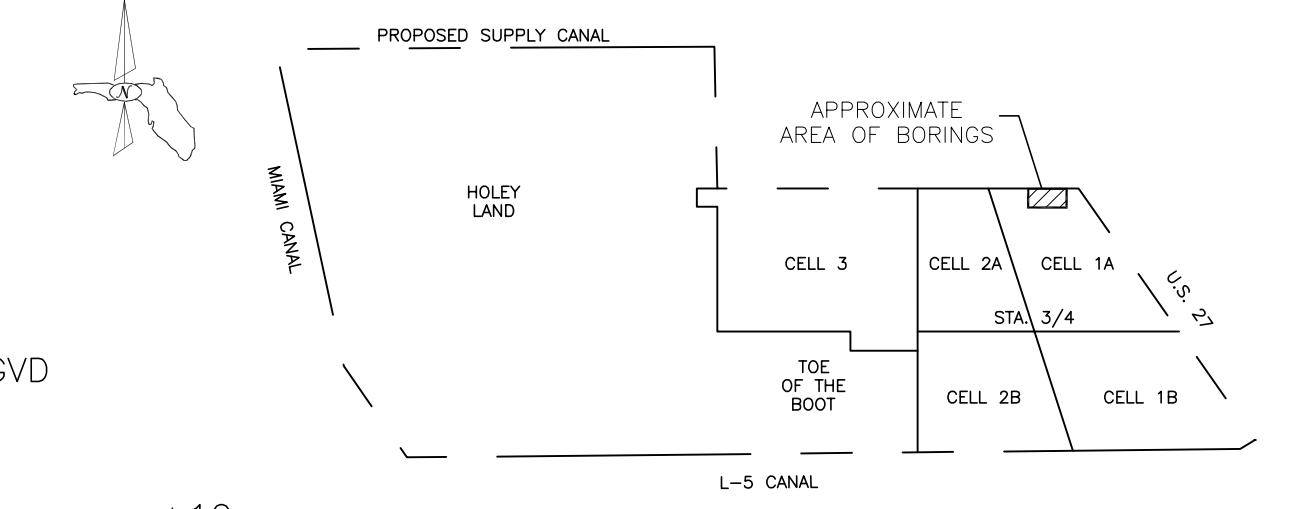
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DRAWN		CHKD		DESIGN		R/C		DATE		NO.		DWG		CHKD		DATE		REVISIONS	
KTG		EJM		EJM		R/G		5/10/2001											
<p><b>Brown Cunningham Gannuch</b> ENGINEERS - ARCHITECTS - CONSULTANTS METABOLIC LOUISIANA 70006 (504) 454-3886 License No. EB00008095</p>																			
<p><b>Burns &amp; McDonnell</b> SINCE 1888 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certification: ER0000253 B/M/G</p>																			
EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372										PUMP STATION G-370 SUCTION SIDE BOAT LAUNCH DETAIL									
<p><b>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</b> EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>																			
<p>Rodney J. Gannuch, P.E. FLA. C.E. REG. NO. 53545</p>																			
<p>CONTRACT NO. C-E304 DWG. NO. C-124</p>																			

"RECORD DRAWINGS"



### SOIL BORINGS AND LEGEND PUMP STATION G-370



- LEGEND**
- ① FILL - GRAY TO BROWN CRUSHED LIMESTOCK WITH SILT, CLAY, ORGANICS AND SHELL, (SP-SM)(SP-SC)
  - ②A DARK BROWN FIBROUS PEAT WITH TRACE ORGANIC SILT AND CLAY, (PT)
  - ②B DARK BROWN ORGANIC SILT AND CLAY WITH SOME FIBROUS PEAT, (PT)
  - ③A GRAY, BROWN AND TAN LIMESTONE
  - ③B GRAY TO TAN SILTY TO SLIGHTLY SILTY CALCAREOUS SAND (SM) AND LIMESTONE SEAMS
  - ③C DARK GRAY AND BROWN SILTY SAND TO SANDY CALCAREOUS SILT AND CLAY WITH LIMESTONE FRAGMENTS, SHELL, AND ORGANICS, (SM)(ML)(CH)(MARL)
  - ④ GRAY, GREEN SLIGHTLY SILTY TO SILTY FINE SAND WITH LIMESTONE SEAMS AND SHELL (SP-SM)(SM)
  - ⑤ GRAY SHELLY SAND WITH LIMESTONE
  - (SP) UNIFIED SOIL CLASSIFICATION GROUP SYMBOL AS DETERMINED BY VISUAL EXAMINATION AND/OR LABORATORY TESTING
  - 10.9 3-10-99 DEPTH TO GROUNDWATER LEVEL IN FEET WITH DATE OF READING (REFERENCED TO EXISTING GROUND SURFACE)
  - N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT
  - 100/5" (100) BLOWS REQUIRED TO DRIVE SAMPLING SPOON (5) INCHES
  - WR SAMPLER ADVANCED UNDER WEIGHT OF ROD
  - WH SAMPLER ADVANCED UNDER WEIGHT OF ROD AND HAMMER
  - 50% DRILLING FLUID CIRCULATION LOSS IN PERCENT
  - W NATURAL MOISTURE CONTENT (%)
  - 200 FINES PASSING NO. 200 SIEVE (%)
  - OC ORGANIC CONTENT (%)
  - LL LIQUID LIMIT (%)
  - PI PLASTICITY INDEX
  - UC UNCONFINED COMPRESSIVE STRENGTH (PSI)
  - S SPLITTING TENSILE (PSI)
  - L10.0/3 DEPTH TO WHICH CASING WAS DRIVEN IN FEET / CASING DIAMETER IN INCHES
  - ST-1 UNDISTURBED SHELBY TUBE SAMPLE

- ROCK CORE DATA**
- N/A NOT AVAILABLE
  - 57% PERCENT RECOVERY
  - (32%) ROCK QUALITY DESIGNATION IN PERCENT
  - 2" 62 CORING TIME IN SECONDS PER FOOT (2" MEANS DIAMETER OF CORE)
  - 120 AVERAGE BORING TIME IN SECONDS PER FOOT (2 7/8" TRI-CONE BIT)
  - (120) CORING TIME IN SECONDS FOR 5 FOOT CORE RUN
  - 120 60 BORING TIME IN SECONDS PER FOOT
- NOTES:**
- 1) N727934.49 NORTHING AND EASTING ARE REFERENCED TO E806141.19 THE NORTH AMERICAN DATUM OF 1983 AND ARE EXPRESSED IN FEET. ALL BORING LOCATIONS ARE ESTIMATED FROM THE POSITION OF SL-10. SEE REPORT FOR DETAILS.
  - 2) 3/4 STORMWATER TREATMENT AREA No. 3 AND 4
  - 3) FOR BORING LOCATIONS SEE DRAWINGS C-100, C-101 & C-103.



**BURNS & MCDONNELL**  
ENGINEERS, ARCHITECTS & CONSULTANTS  
9400 WARD PARKWAY  
KANSAS CITY, MO. 64114  
Certification: E00000253  
License No. EB0008095

**BROWN CUNNINGHAM GANNON**  
ENGINEERS, ARCHITECTS & CONSULTANTS  
METABAR, LOUISIANA 70006  
(504) 454-8866  
License No. EB0008095

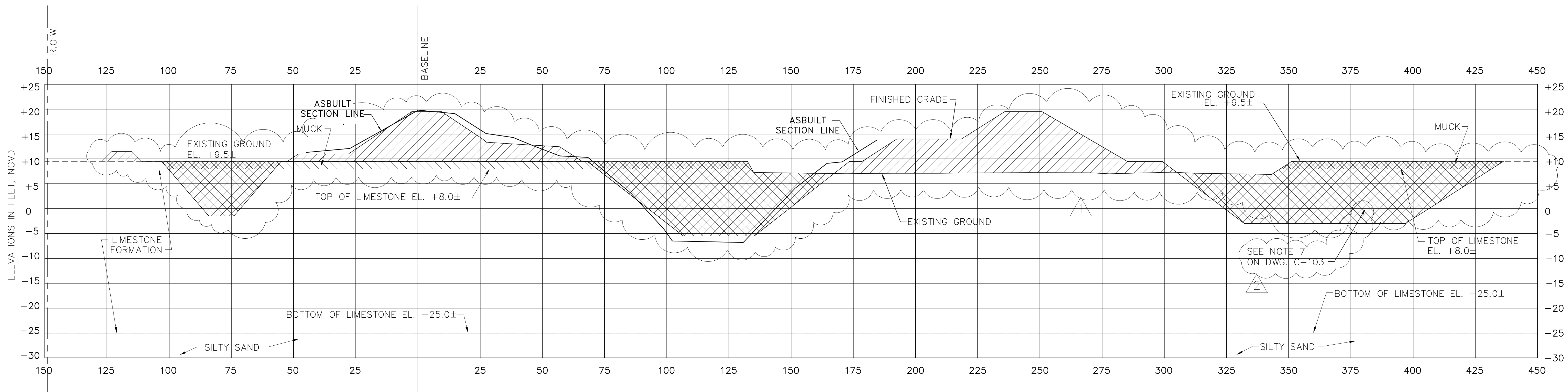
**EVERGLADES CONSTRUCTION PROJECT  
STORMWATER TREATMENT AREA NO. 3/4  
PUMP STATIONS G-370 & G-372**

**SOUTH FLORIDA  
WATER MANAGEMENT DISTRICT**  
EVERGLADES CONSTRUCTION PROJECT  
3301 GUN CLUB ROAD  
WEST PALM BEACH, FLORIDA 33406

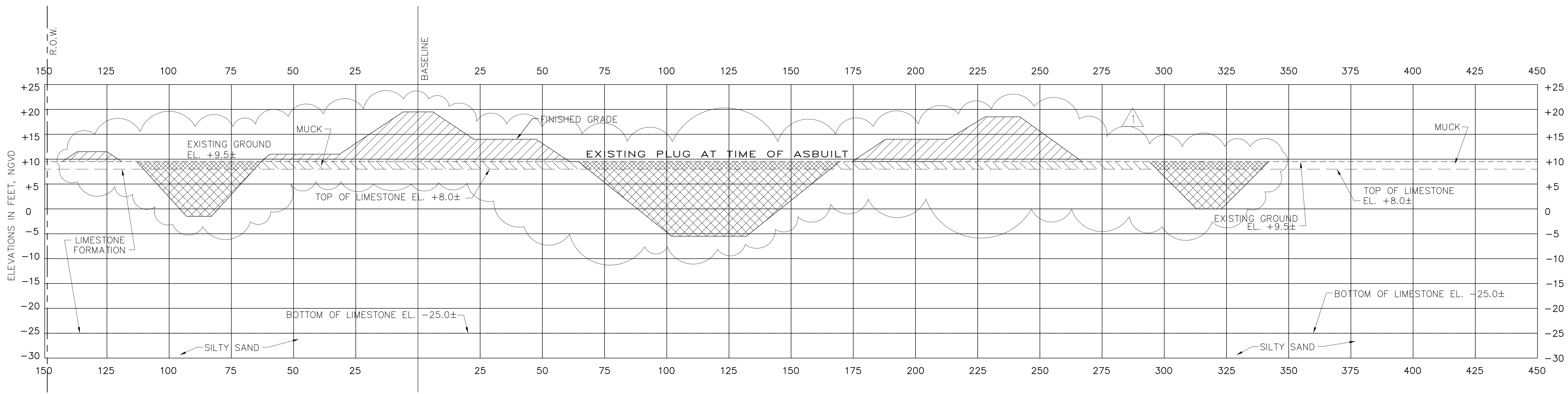
NO.	DATE	CHKD.	DATE	NO.	DATE	REVISIONS
1	5/10/2001	NO. DWN	CHKD			

CONTRACT NO. C-E304  
DWG. NO. C-125

"RECORD DRAWINGS"



BASELINE STA. 293+35 (XS-1)  
C-101/C-126



BASELINE STA. 292+00

- LEGEND**
- LIMESTONE EMBANKMENT
  - LIMESTONE EXCAVATION
  - MUCK EXCAVATION
  - MUCK EXCAVATION (TO BE REPLACED WITH LIMESTONE EMBANKMENT)

NOTES:  
1. THICKNESS OF LIMESTONE FORMATION VARIES.  
SEE DRAWING C-125 FOR SOIL BORING DATA.

RECORD DRAWING  
DATE: AUGUST 12, 2003  
Job No. 01-021B

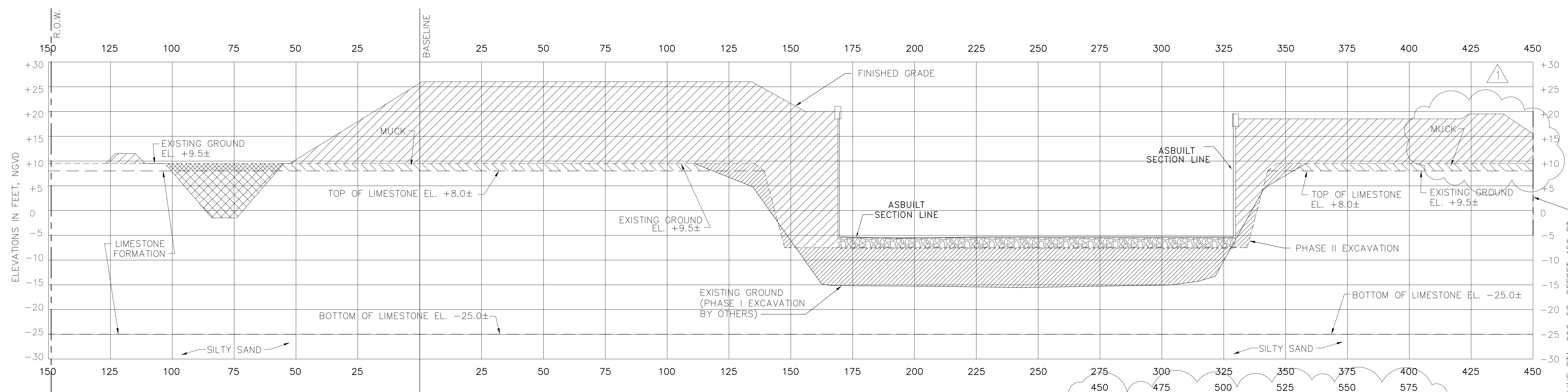
**F.R.S. & ASSOCIATES, INC.**  
LAND SURVEYORS AND LAND PLANNERS  
CERTIFICATE OF AUTHORIZATION NO. LB 4241  
901 NORTHPOINT PARKWAY, SUITE 301  
WEST PALM BEACH, FLORIDA 33407-1953  
PHONE (561) 478-7178 FAX (561) 478-7922

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

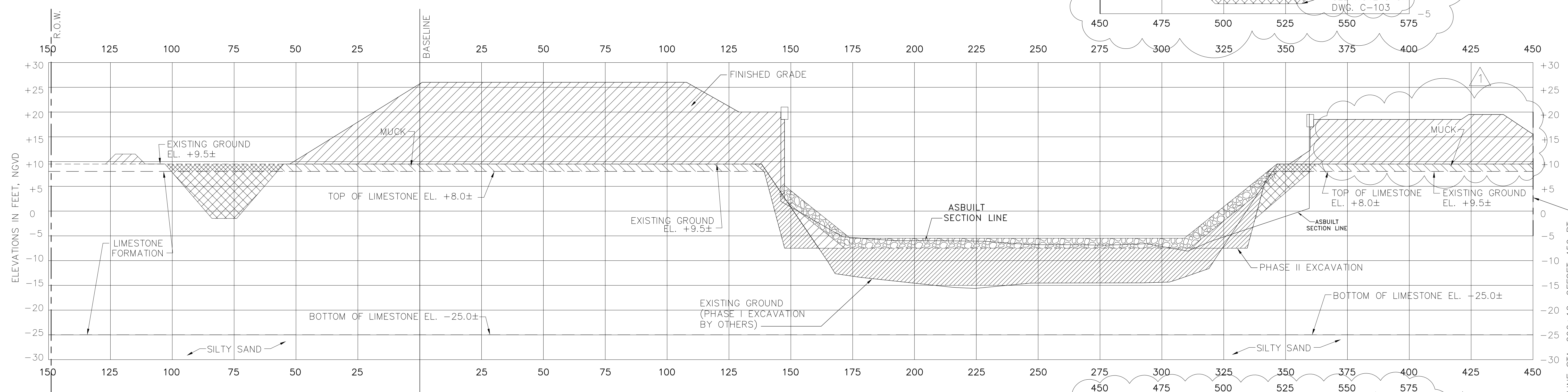
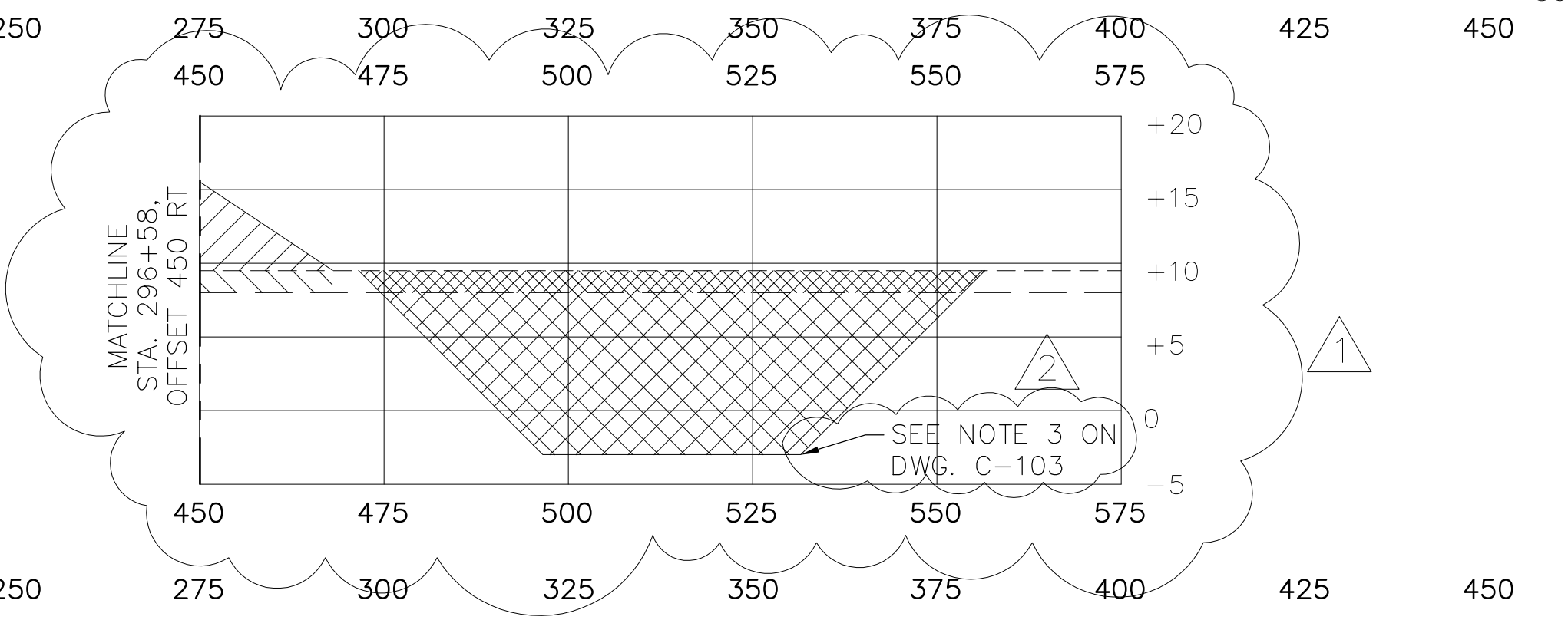
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 SINCE 1898 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certificate No. EPC02225 BMB 24930	EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATION G-370 CROSS SECTIONS	SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406
CONTRACT NO. C-E304 DWG. NO. C-126		A B C D E F G H I J

"RECORD DRAWINGS"

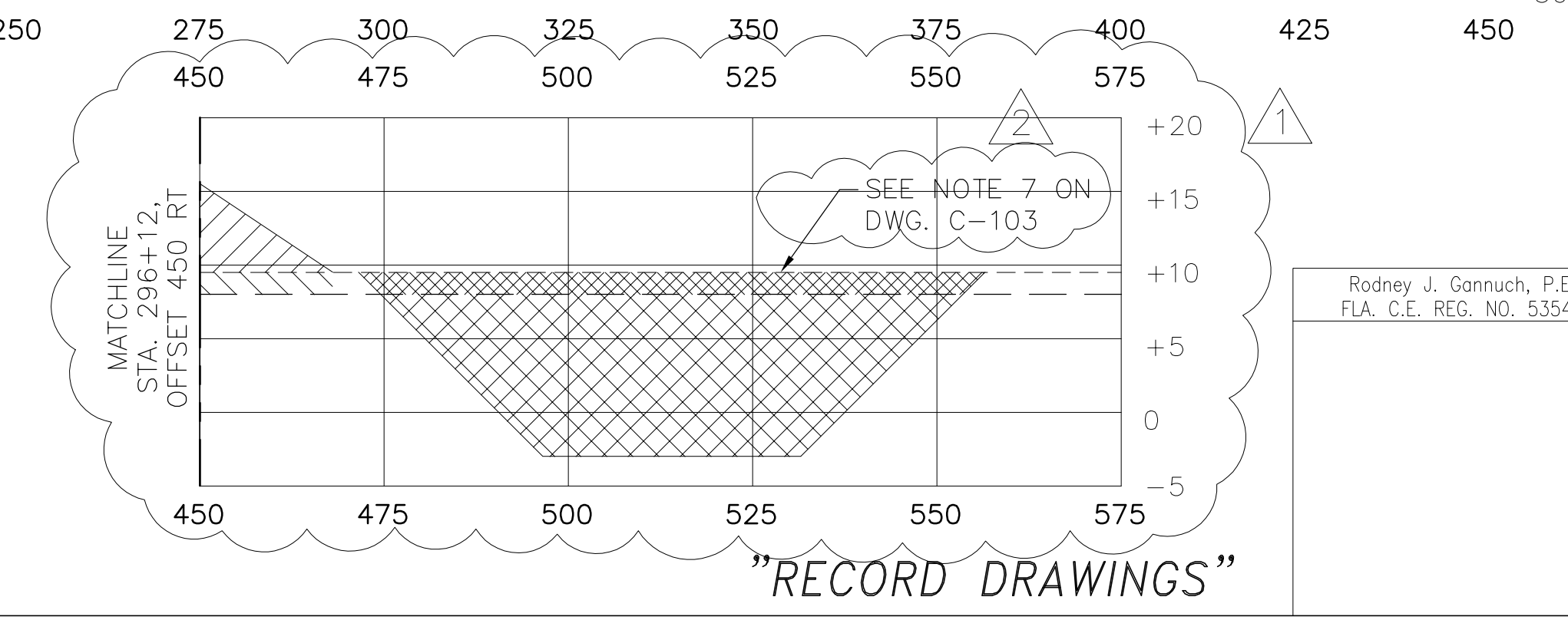




BASELINE STA. 296+58 (KS-3)  
C-101/C-127



BASELINE STA. 296+12 (KS-2)  
C-101/C-127



- LEGEND**
- LIMESTONE EMBANKMENT
  - LIMESTONE EXCAVATION
  - MUCK EXCAVATION
  - MUCK EXCAVATION (TO BE REPLACED WITH LIMESTONE EMBANKMENT)
  - PHASE II LIMESTONE EXCAVATION & FINISHED GRADE LIMESTONE BACKFILL

**NOTES:**  
1. THICKNESS OF LIMESTONE FORMATION VARIES. SEE DRAWING C-125 FOR SOIL BORING DATA.

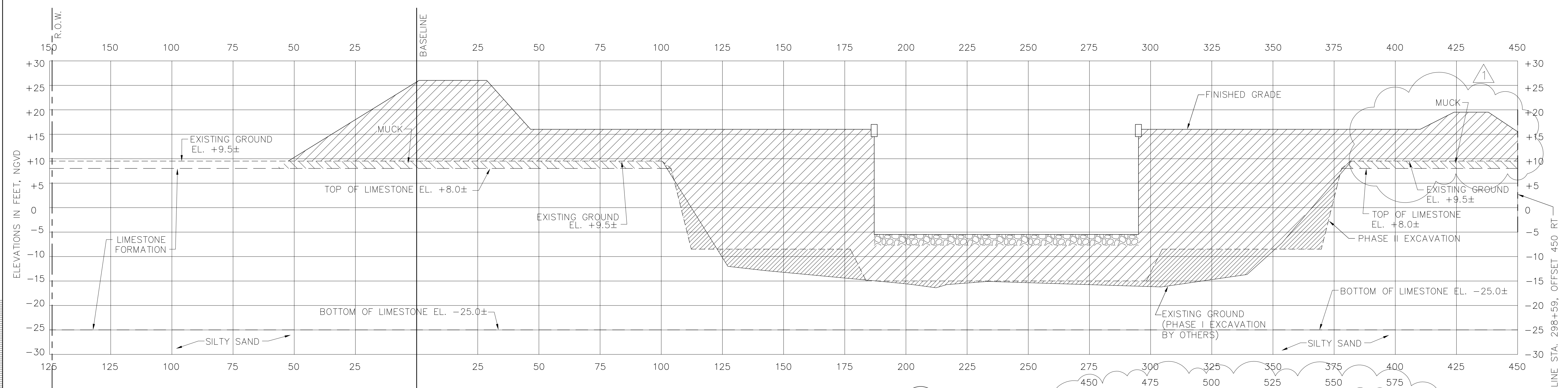
RECORD DRAWING  
DATE: AUGUST 12, 2003  
Job No. 01-021B

**F.R.S. & ASSOCIATES, INC.**  
LAND SURVEYORS AND LAND PLANNERS  
CERTIFICATE OF AUTHORIZATION NO. LE 4241  
901 NORTHPOINT PARKWAY, SUITE 301  
WEST PALM BEACH, FLORIDA 33407-1953  
PHONE (561) 478-7178 FAX (561) 478-7922

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

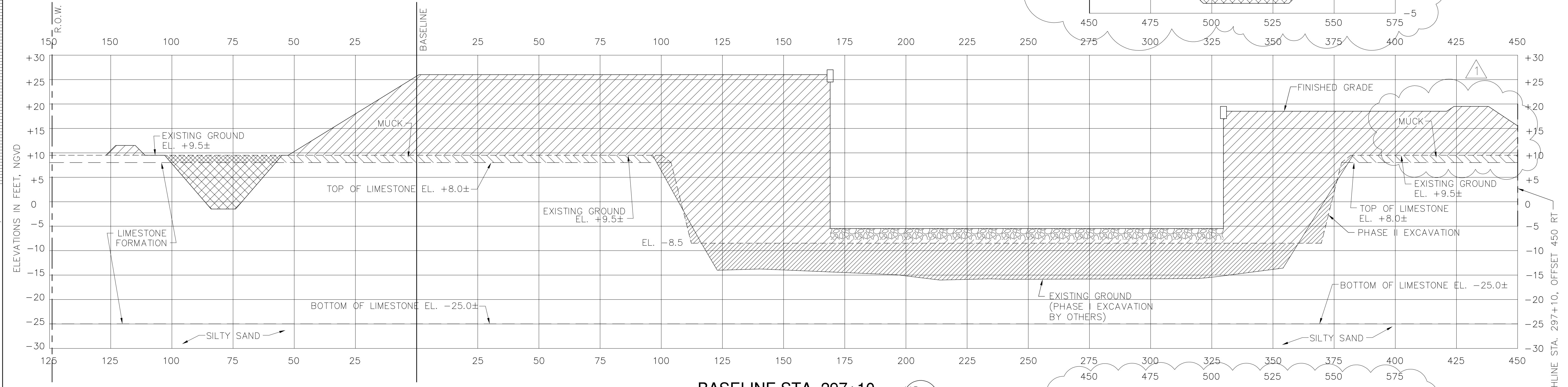
 <b>Brown Cunningham Gannuch</b> ENGINEERS - ARCHITECTS - CONSULTANTS METairie, LOUISIANA 70006 (504) 454-3866 License No. EB0008095	
 <b>Burns &amp; McDonnell</b> SINCE 1898 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certification: EB0000253 (BAG) 24930	EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATION G-370 CROSS SECTIONS
SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406	CONTRACT NO. C-E304 DWG. NO. C-127
DRAWN: KG CHECKED: R/JG DESIGN: EJM DATE: 5/10/2001	REVISIONS NO.   DATE   CHKO   DATE 1   6-29-01   REVISOR PER ADDENDUM NO.3   2   6-01-01   REVISOR PER ADDENDUM NO.1

"RECORD DRAWINGS"



BASELINE STA. 298+59

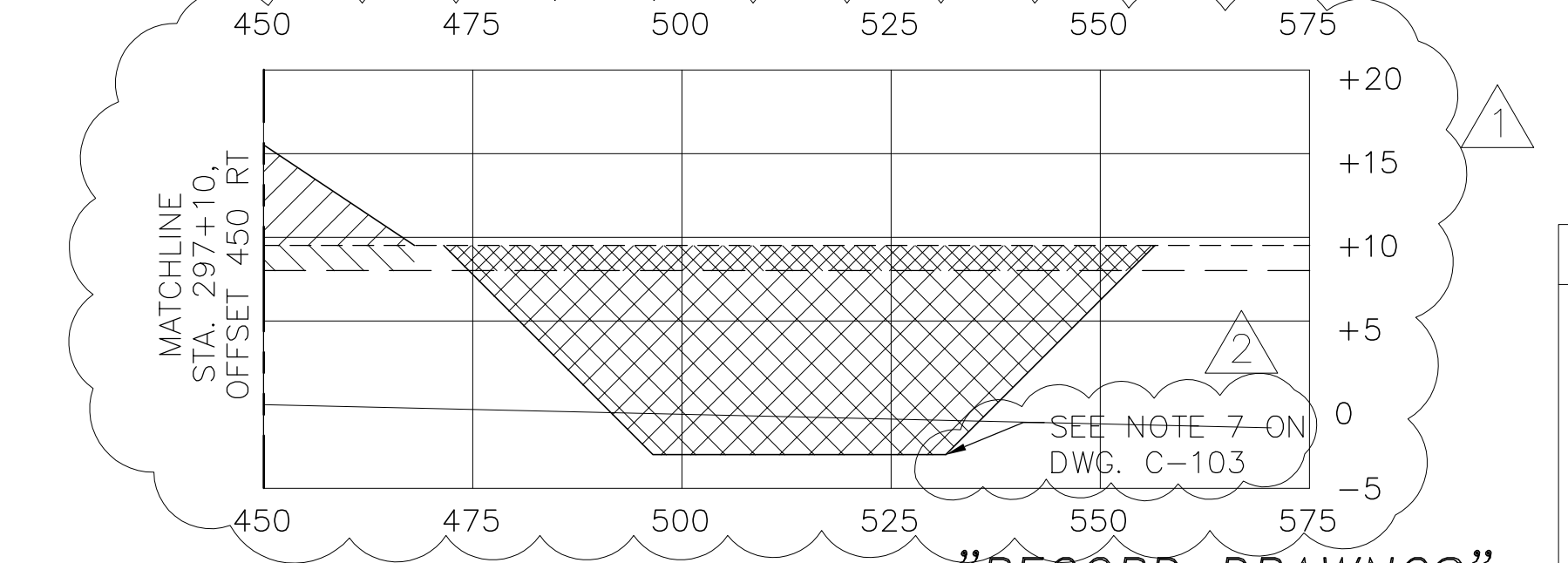
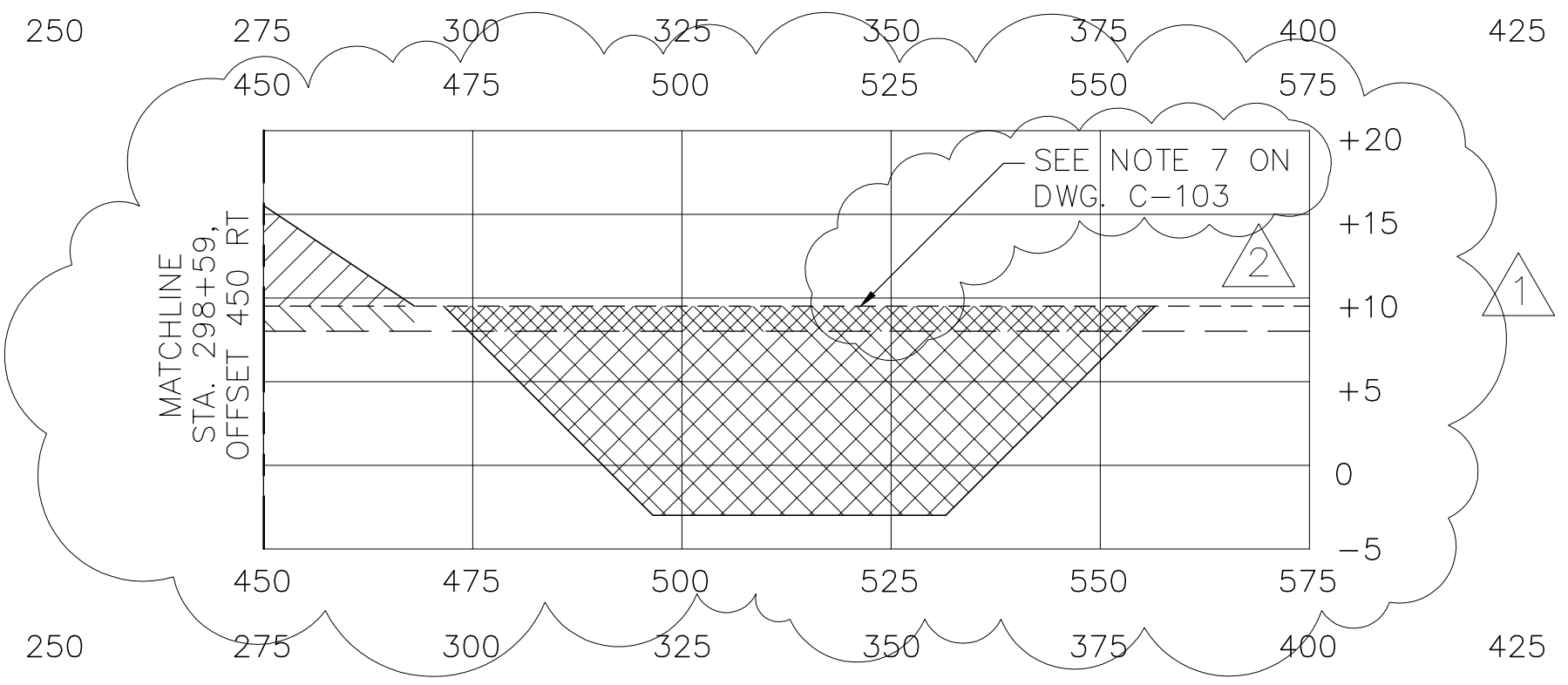
XS-3  
C-101/C-128



BASELINE STA. 297+10

XS-4  
C-101/C-128

- LEGEND**
- LIMESTONE EMBANKMENT
  - LIMESTONE EXCAVATION
  - MUCK EXCAVATION
  - MUCK EXCAVATION (TO BE REPLACED WITH LIMESTONE EMBANKMENT)
  - PHASE II LIMESTONE EXCAVATION & FINISHED GRADE LIMESTONE BACKFILL
  - RIPRAP
- NOTES:**
1. THICKNESS OF LIMESTONE FORMATION VARIES. SEE DRAWING C-125 FOR SOIL BORING DATA.



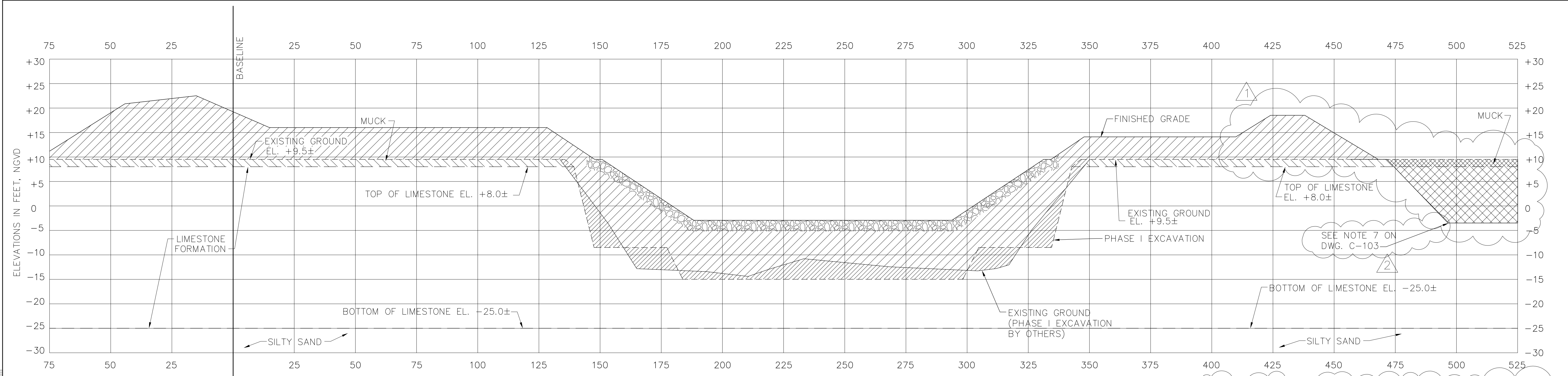
"RECORD DRAWINGS"

Rodney J. Gonnuch, P.E.  
FLA. C.E. REG. NO. 53545

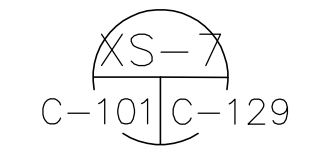
Scale For Microfilming  
Inches  
Millimeters

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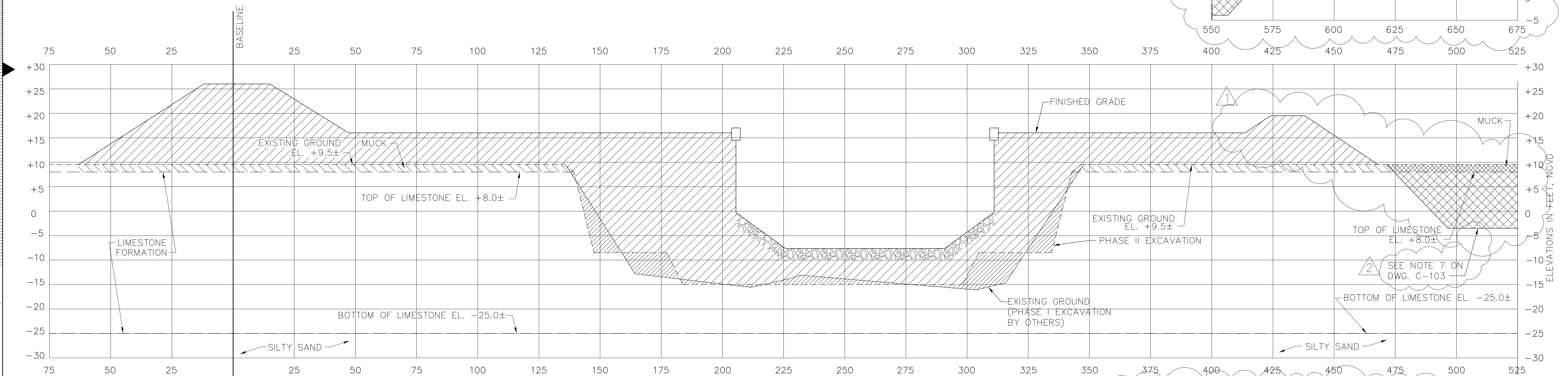
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 Burns & McDonnell SINCE 1898 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certification: EB0000253 BMG 24930	EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATION G-370 CROSS SECTIONS	SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406	CONTRACT NO. C-E304 DWG. NO. C-128				



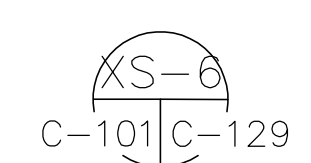
**BASELINE STA. 299+39**



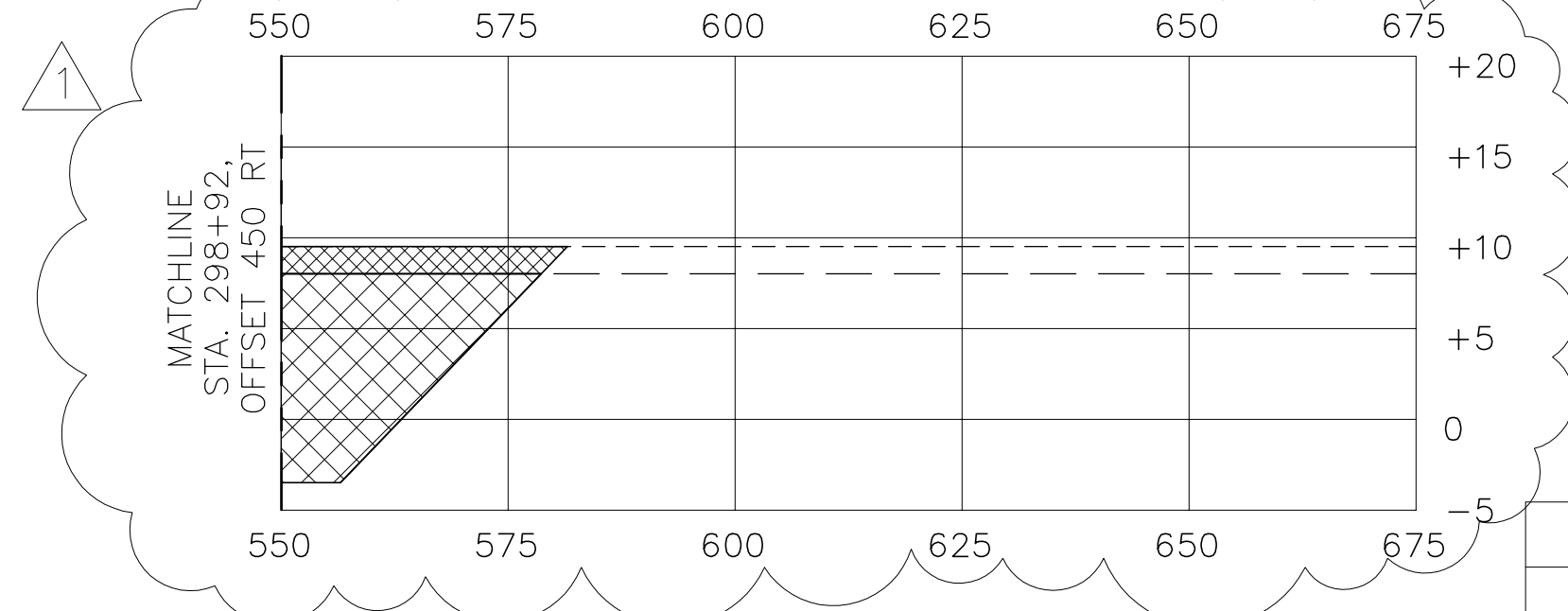
EMBANKMENT = 4,769 SQ FT  
 MUCK EXCAVATION = 635 SQ FT  
 LIMESTONE EXCAVATION = 208 SQ FT



**BASELINE STA. 298+92**



- LEGEND**
- LIMESTONE EMBANKMENT
  - PHASE II LIMESTONE EXCAVATION & FINISHED GRADE LIMESTONE BACKFILL
  - LIMESTONE EXCAVATION
  - MUCK EXCAVATION
  - MUCK EXCAVATION (TO BE REPLACED WITH LIMESTONE EMBANKMENT)
  - RIPRAP



NOTES:  
 1. THICKNESS OF LIMESTONE FORMATION VARIES. SEE DRAWING C-125 FOR SOIL BORING DATA.

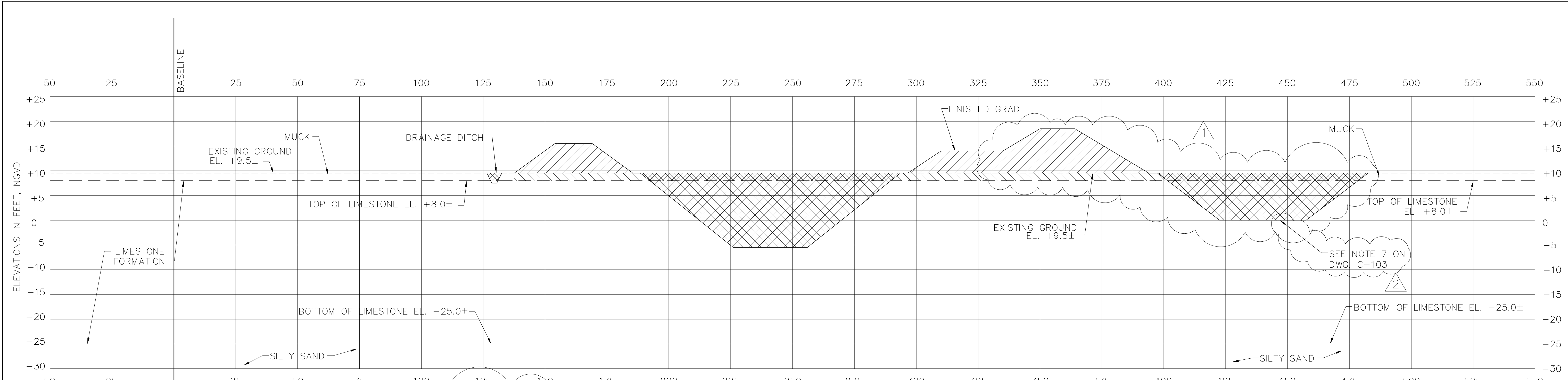
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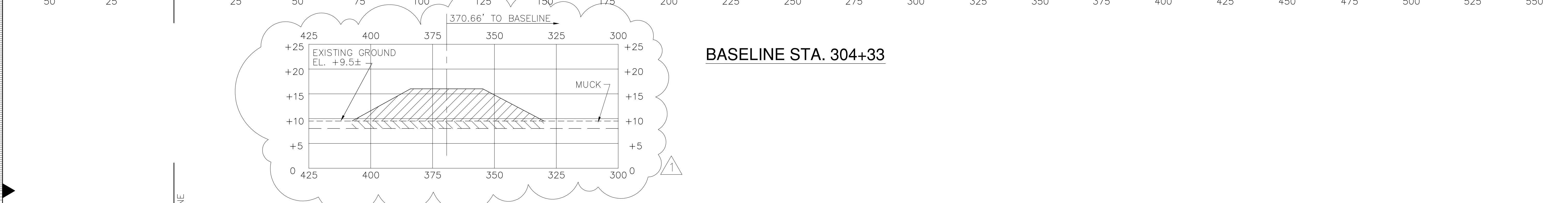
NO.	DATE	CHKD	REVISIONS			
1	5/10/2001	CHGD	DATE			
2	5/10/2001	CHGD	DATE			
				ENGINEERS - ARCHITECTS - CONSULTANTS METABRE LOUISIANA 70006 License No. EB00008095		
				9400 WARD PARKWAY KANSAS CITY, MO 64114 Certification EB0000253 BMG 24930		
EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATION G-370 CROSS SECTIONS						
SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406						
CONTRACT NO. C-E304 DWG. NO. C-129						

"RECORD DRAWINGS"





**BASELINE STA. 304+33**



**BASELINE STA. 301+94**

- LEGEND**
- LIMESTONE EMBANKMENT
  - LIMESTONE EXCAVATION
  - MUCK EXCAVATION
  - MUCK EXCAVATION (TO BE REPLACED WITH LIMESTONE EMBANKMENT)

NOTES:  
 1. THICKNESS OF LIMESTONE FORMATION VARIES.  
 SEE DRAWING C-125 FOR SOIL BORING DATA.

Rodney J. Gonnuch, P.E.  
 FLA. C.E. REG. NO. 53545

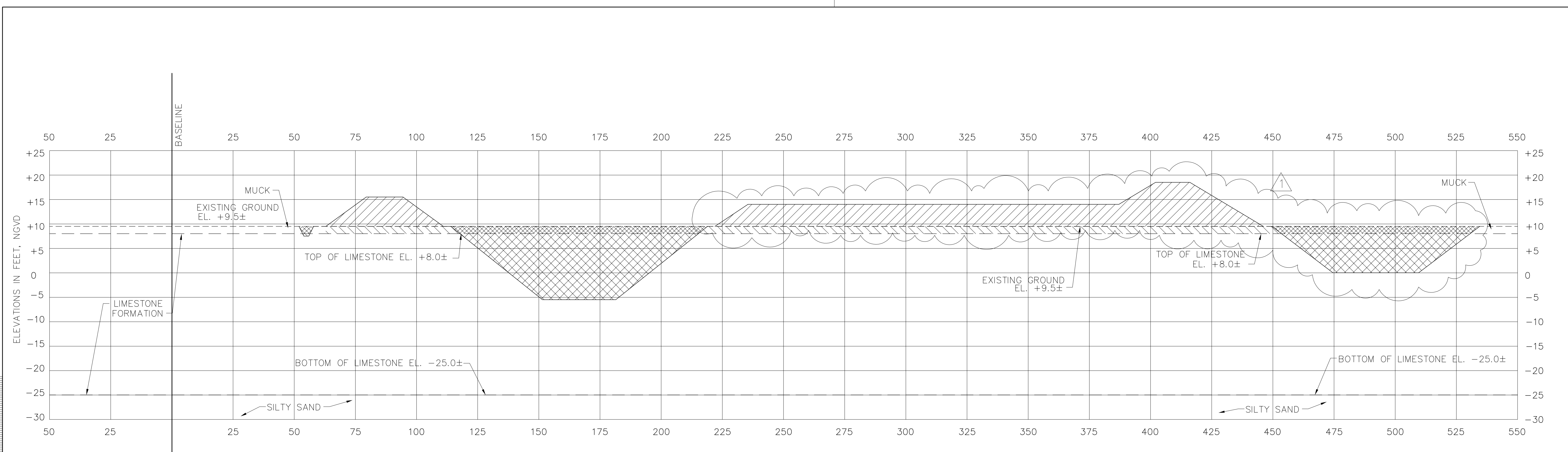
 BROWN CUNNINGHAM GONNUCH ENGINEERS, ARCHITECTS & CONSULTANTS METairie, LOUISIANA 70006 (504) 454-3866 License No. EB0008095	DRAWN: KG R/JG CHKD: CHKD	DESIGN: EJM EJM	DATE: 5/10/2001
	NO. 1 NO. 2 NO. 3 NO. 4 NO. 5 NO. 6 NO. 7 NO. 8 NO. 9 NO. 10 NO. 11 NO. 12 NO. 13 NO. 14 NO. 15 NO. 16	REVISIONS DATE	NO. 1 NO. 2 NO. 3 NO. 4 NO. 5 NO. 6 NO. 7 NO. 8 NO. 9 NO. 10 NO. 11 NO. 12 NO. 13 NO. 14 NO. 15 NO. 16

EVERGLADES CONSTRUCTION PROJECT  
 STORMWATER TREATMENT AREA NO. 3/4  
 PUMP STATIONS G-370 & G-372  
 PUMP STATION G-370  
 CROSS SECTIONS

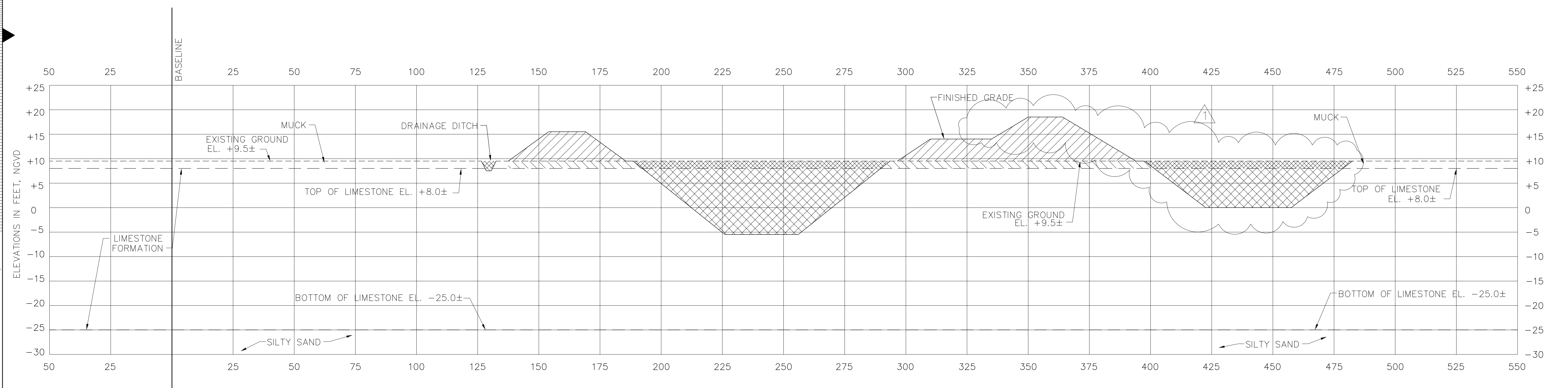
SOUTH FLORIDA  
 WATER MANAGEMENT DISTRICT  
 EVERGLADES CONSTRUCTION PROJECT  
 3301 GUN CLUB ROAD  
 WEST PALM BEACH, FLORIDA 33406

CONTRACT NO. C-E304  
 DWG. NO. C-130

"RECORD DRAWINGS"



**BASELINE STA. 309+00**  
 KS-9  
 C-108 | C-131



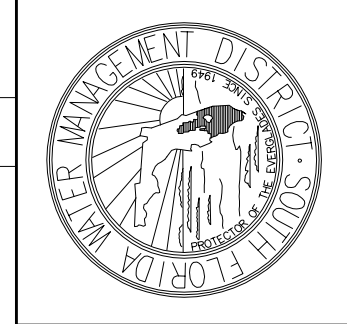
**BASELINE STA. 307+00**

- LEGEND**
- LIMESTONE EMBANKMENT
  - LIMESTONE EXCAVATION
  - MUCK EXCAVATION
  - MUCK EXCAVATION (TO BE REPLACED WITH LIMESTONE EMBANKMENT)

NOTES:  
 1. THICKNESS OF LIMESTONE FORMATION VARIES.  
 SEE DRAWING C-125 FOR SOIL BORING DATA.

Rodney J. Gannuch, P.E.  
 FLA. C.E. REG. NO. 53545

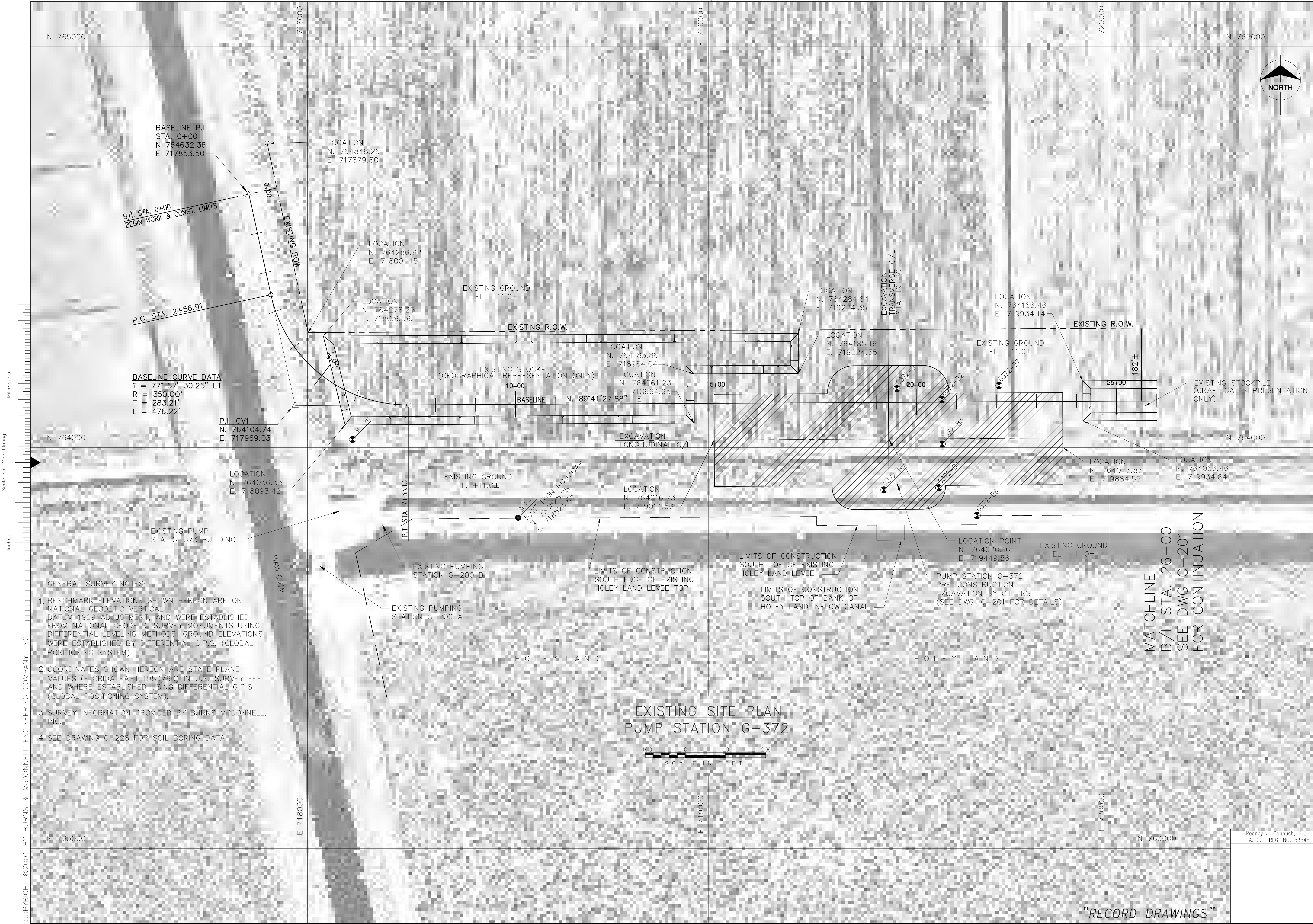
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	EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATION G-370 CROSS SECTIONS		
	SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406		



CONTRACT NO. C-E304  
 DWG. NO. C-131

"RECORD DRAWINGS"

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BASELINE P.I.  
STA. 0+00  
N 764632.36  
E 717853.50

B/L STA. 0+00  
BEGIN WORK & CONST. LIMITS

P.C. STA. 2+56.91

BASELINE CURVE DATA  
I = 77° 57' 30.25" LT  
R = 350.00'  
T = 283.21'  
L = 476.22'

P.I. CV1  
N. 764104.74  
E. 717969.03

LOCATION  
N. 764056.53  
E. 718093.42

LOCATION  
N. 764848.26  
E. 717879.80

LOCATION  
N. 764286.92  
E. 718001.15

LOCATION  
N. 764278.25  
E. 718039.36

LOCATION  
N. 764183.86  
E. 718964.04

LOCATION  
N. 764061.23  
E. 718964.65

LOCATION  
N. 764284.64  
E. 719224.35

LOCATION  
N. 764185.16  
E. 719224.35

LOCATION  
N. 764166.46  
E. 719934.14

LOCATION  
N. 764016.73  
E. 719014.56

LOCATION POINT  
N. 764020.16  
E. 719449.56

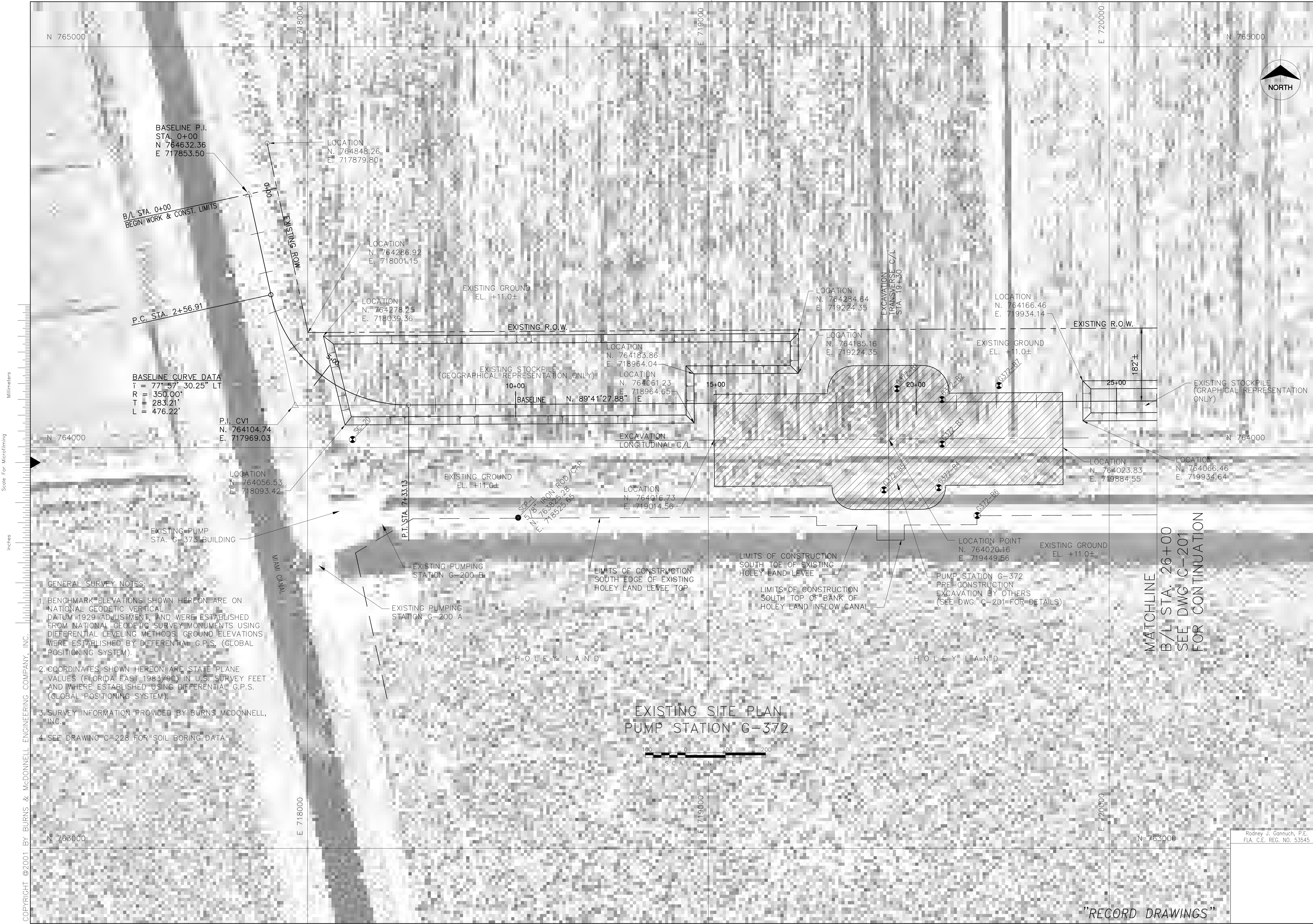
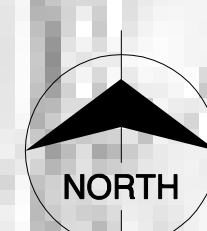
EXISTING GROUND  
EL. +11.0±

LOCATION  
N. 764023.83  
E. 719884.55

LOCATION  
N. 764066.46  
E. 719934.64

- GENERAL SURVEY NOTES:
1. BENCHMARK ELEVATIONS SHOWN HEREON ARE ON NATIONAL GEODETIC VERTICAL DATUM 1929 ADJUSTMENT, AND WERE ESTABLISHED FROM NATIONAL GEODETIC SURVEY MONUMENTS USING DIFFERENTIAL LEVELING METHODS. GROUND ELEVATIONS WERE ESTABLISHED BY DIFFERENTIAL G.P.S. (GLOBAL POSITIONING SYSTEM).
  2. COORDINATES SHOWN HEREON ARE STATE PLANE VALUES (FLORIDA EAST 1983/90) IN U.S. SURVEY FEET AND WERE ESTABLISHED USING DIFFERENTIAL G.P.S. (GLOBAL POSITIONING SYSTEM).
  3. SURVEY INFORMATION PROVIDED BY BURNS MCDONNELL, INC.
  4. SEE DRAWING C-228 FOR SOIL BORING DATA.

EXISTING SITE PLAN  
PUMP STATION G-372



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DRAWN		KG	DATE	5/10/2001
CHKD		RJC	NO. DWN	CHKD
DESIGN		EJM	DATE	5/10/2001
CHKD		EJM	DATE	5/10/2001

**Brown Cummingham Gannuch**  
ENGINEERS - ARCHITECTS - CONSULTANTS  
2701 WUCONIA ST.  
METairie, LOUISIANA 70006  
(504) 454-3866  
License No. EB00008095

**Burns & McDonnell**  
SINCE 1888  
9400 WARD PARKWAY  
KANSAS CITY, MO. 64114  
Certification: ER0000253  
BKAC 24930

EVERGLADES CONSTRUCTION PROJECT  
STORMWATER TREATMENT AREA NO. 374  
PUMP STATIONS G-370 & G-372  
PUMP STATION G-372  
EXISTING SITE PLAN

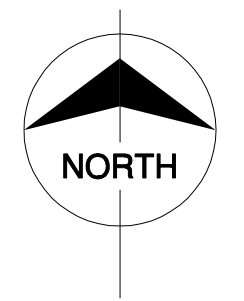
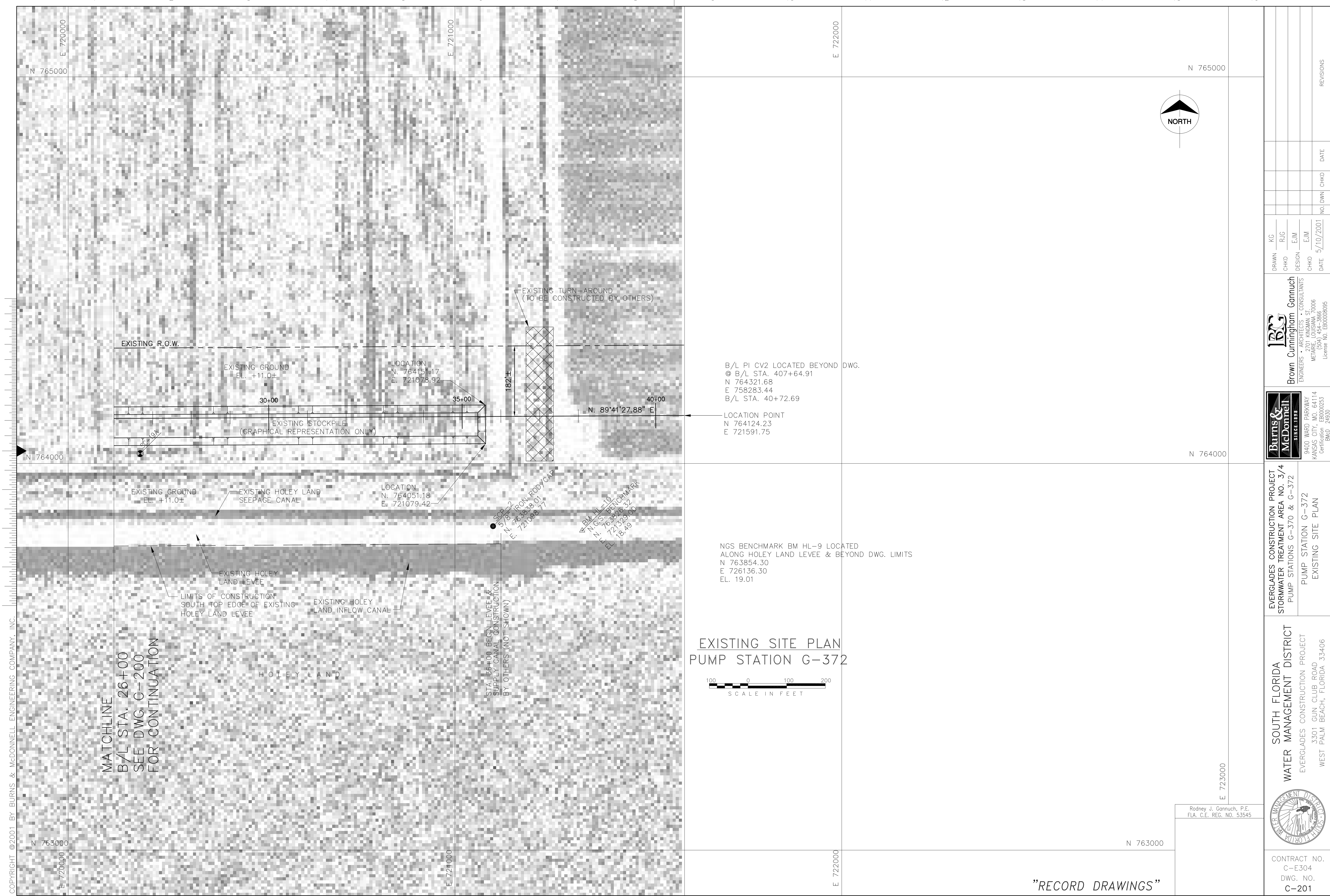
SOUTH FLORIDA  
WATER MANAGEMENT DISTRICT  
EVERGLADES CONSTRUCTION PROJECT  
3301 GUN CLUB ROAD  
WEST PALM BEACH, FLORIDA 33406

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

CONTRACT NO.  
C-E304  
DWG. NO.  
C-200

"RECORD DRAWINGS"



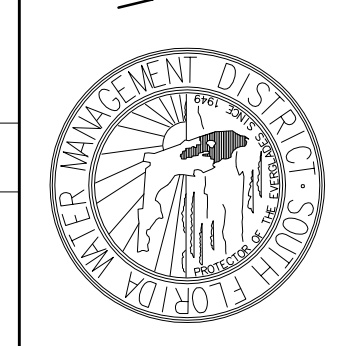


REVISIONS	DATE	CHKD	NO. DWN

**Burns & McDonnell**  
SINCE 1938  
9400 WARD PARKWAY  
KANSAS CITY, MO 64114  
Certified Professional Engineer  
E-00000253  
E-04930

**Brown Cummingham Gannuch**  
ENGINEERS, ARCHITECTS, CONSULTANTS  
METairie, LOUISIANA 70006  
License No. EB00008095

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**  
EVERGLADES CONSTRUCTION PROJECT  
3301 GUN CLUB ROAD  
WEST PALM BEACH, FLORIDA 33406

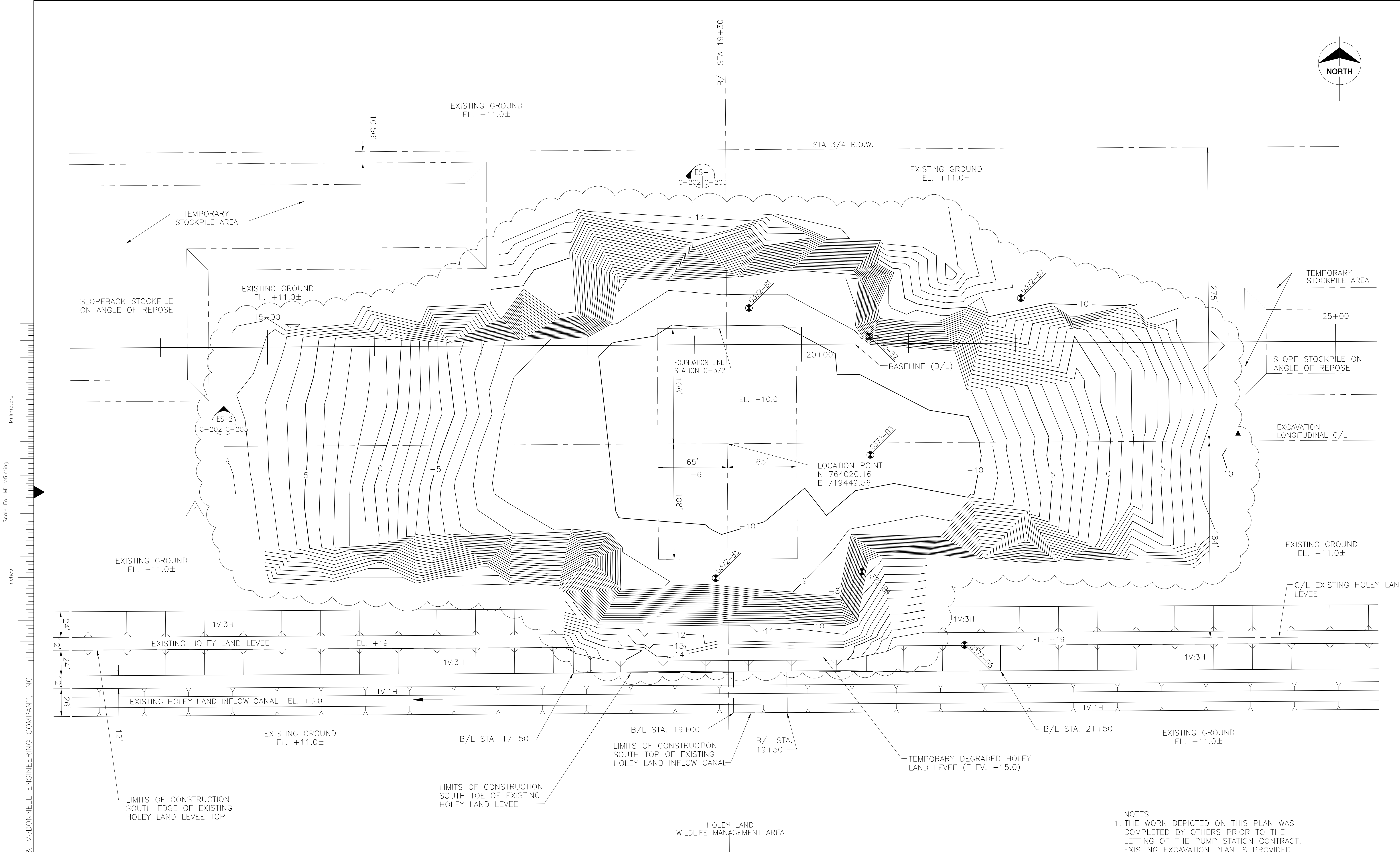
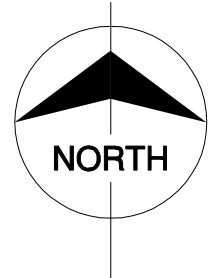


Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

CONTRACT NO. C-E304  
DWG. NO. C-201

"RECORD DRAWINGS"

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EXISTING EXCAVATION PLAN  
PUMP STATION G-372



- NOTES**
1. THE WORK DEPICTED ON THIS PLAN WAS COMPLETED BY OTHERS PRIOR TO THE LETTING OF THE PUMP STATION CONTRACT. EXISTING EXCAVATION PLAN IS PROVIDED TO DEPICT THE EXISTING CONDITIONS AT THE START OF THE PUMP STATION CONTRACT.
  2. SEE DRAWING C-203 FOR EXISTING EXCAVATION SECTIONS.
  3. SEE DRAWING C-228 FOR SOIL BORING DATA.

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

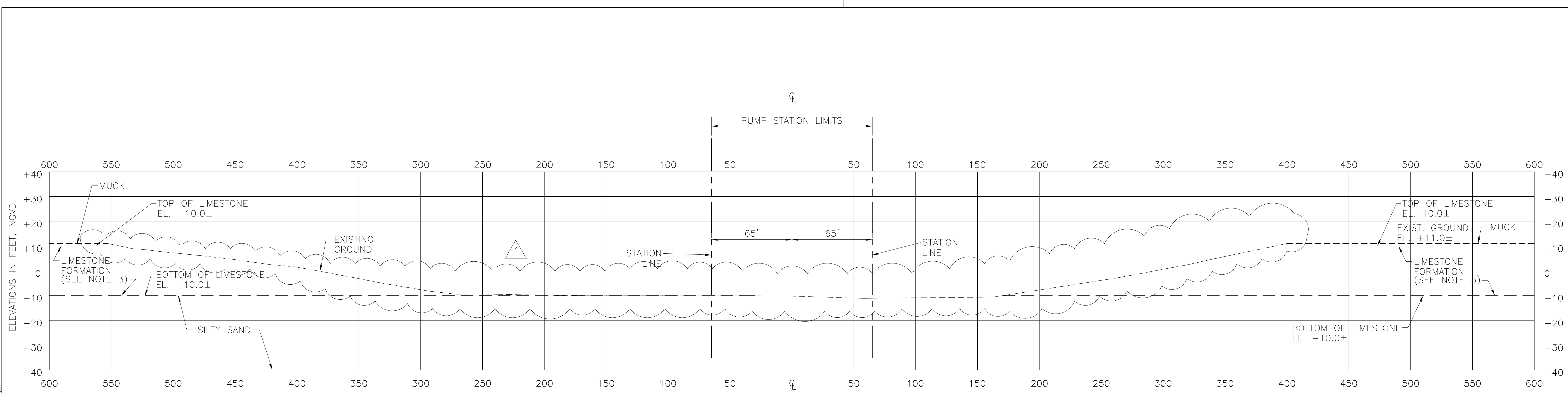
Scale For Microfilming  
Inches  
Millimeters

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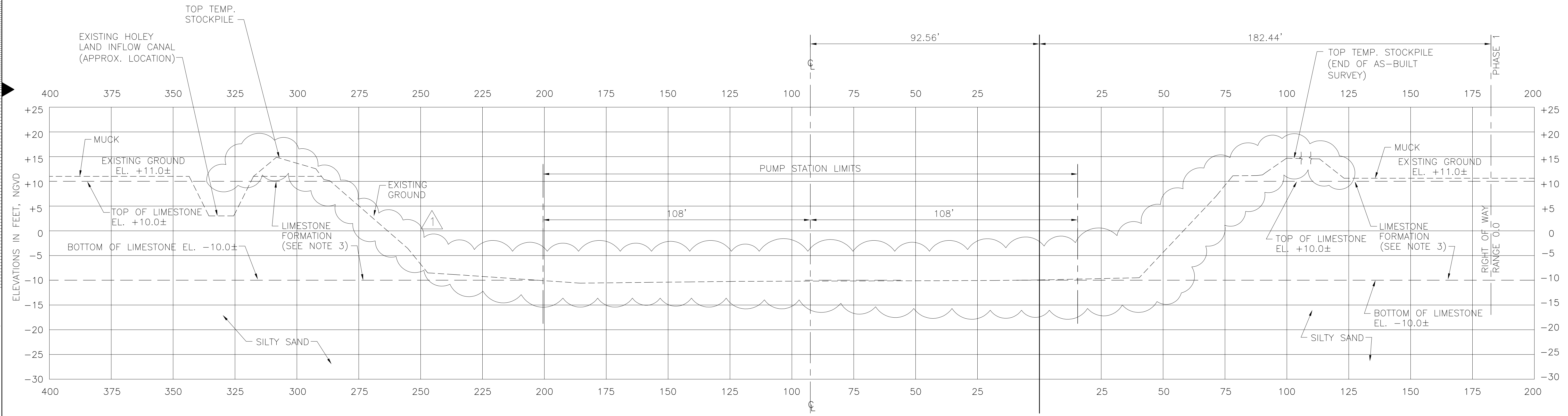
<p><b>Burns &amp; McDonnell</b> SINCE 1938</p>		<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATION G-372 &amp; G-372 EXISTING EXCAVATION PLAN</p>	
<p>9400 WARD PARKWAY KANSAS CITY, MO. 64114 Cellular: 816.202.25 Fax: 816.249.30</p>		<p>CONTRACT NO. C-E304 DWG. NO. C-202</p>	
<p>Drawn: [ ] Checked: [ ] Design: [ ] Date: 5/10/2001</p>	<p>KG EJM RUG EJM CHKD EJM</p>	<p>NO. 1 DATE 6-29-01 REVISED PER ADDENDUM NO. 3</p>	<p>REVISIONS</p>
<p><b>Brown Cummingham Gannuch</b> ENGINEERS - ARCHITECTS - CONSULTANTS METABOLIT KANSAS 70606 (504) 454-3866 License No. EB00008095</p>		<p>DATE</p>	



"RECORD DRAWINGS"



EXISTING EXCAVATION SECTION - PHASE 1  
 LOGITUDINAL C/L SECTION (LOOKING NORTH)  
 PUMP STATION G-372



EXISTING EXCAVATION SECTION - PHASE 1  
 TRANSVERSE C/L SECTION (LOOKING WEST)  
 PUMP STATION G-372

- NOTES:
1. THE WORK DEPICTED ON THIS DRAWING WAS COMPLETED BY OTHERS PRIOR TO THE LETTING OF THE PUMP STATION CONTRACT. THIS EXCAVATION PLAN IS PROVIDED TO DETAIL THE EXISTING CONDITIONS AT THE START OF THE PUMP STATION CONTRACT.
  2. SEE DRAWING C-202 FOR EXISTING EXCAVATION PLAN.
  3. THICKNESS OF LIMESTONE FORMATION VARIES. SEE DRAWING C-228 FOR SOIL BORING DATA.
  4. BOTTOM OF EXISTING HOLEY LAND INFLOW CANAL IS APPROXIMATE.

Rodney J. Gannuch, P.E.  
 FLA. C.E. REG. NO. 53545



CONTRACT NO.  
 C-E304  
 DWG. NO.  
 C-203

"RECORD DRAWINGS"

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 BROWN CUNNINGHAM GANNUCH ENGINEERS - ARCHITECTS - CONSULTANTS 2701 WINGARA, SUITE 7000B METairie, LOUISIANA 70006 (504) 454-3866 License No. EB00008095	DRAWN: KG CHKD: RJC DESIGN: EJM EJM CHKD: EJM DATE: 5/10/2001	NO. DWN: CHKD DATE:
	EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATION G-372 EXISTING EXCAVATION SECTION PHASE 1	SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406





STA. 0+00.00  
BEGIN WORK

P.C. STA. 2+56.91

**PI CV1 CURVE DATA**  
 $\Delta = 77^\circ 57' 30.25''$  LT  
 R = 350.00'  
 T = 283.21'  
 L = 476.22'

P.I. CV1  
 N. 764104.374  
 E. 717969.03

TURBIDITY BARRIER REQ'D.  
 100' UPSTREAM & 100'  
 DOWNSTREAM OF CONSTRUCTION

EXISTING PUMP  
 STA G-373  
 (NOT TO BE DISTURBED)

EXISTING PUMP  
 STATION G-200A  
 (NOT TO BE DISTURBED)

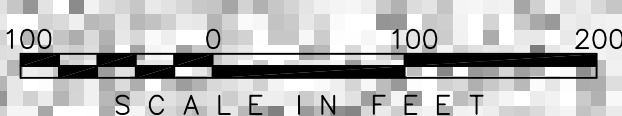
EXISTING HOLEY LAND SEEPAGE  
 CANAL TO BE BACKFILLED

EXISTING HOLEY LAND INFLOW CANAL  
 (NOT TO BE DISTURBED)

EXISTING HOLEY LAND LEVEE

EXISTING PUMP STATION  
 G-200B IS ABANDONED  
 (TO BE DEMOLISHED)

**CONCEPT SITE PLAN &  
 GENERAL NOTES  
 PUMP STATION G-372**



- GENERAL NOTES:**
- SEE DWG C-200 FOR GENERAL SURVEY NOTES
  - ALL EMBANKMENT AREAS ARE TO BE DEGRADED OF OVERLYING MUCK TO LIMESTONE FORMATION PRIOR TO PLACEMENT OF FILL MATERIAL. REMOVED MUCK SHALL BE STOCKPILED ON SITE FOR PLACEMENT ON THE SLOPES OF THE COMPLETED LEVEES.
  - ALL RAMPS ARE 1 VERTICAL ON 10 HORIZONTAL UNLESS NOTED OTHERWISE. SEE DWG C-2 FOR RAMP DETAILS.
  - CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH THE NPDES STANDARDS FOR SOIL EROSION & SEDIMENT CONTROL BEST MANAGEMENT PRACTICES.
  - FOR BIDDING PURPOSES, EXISTING STOCKPILE CONTAINS ROUGHLY 110,000 CY OF LIMEROCK.

MATCHLINE  
 B/L STA. 26+00  
 SEE DWG C-205  
 FOR CONTINUATION

- ASPHALT PAVEMENT
- CONCRETE PAVEMENT

Rodney J. Gannuch, P.E.  
 FLA. C.E. REG. NO. 53545

		<b>Brown Cunningham Gannuch</b> <small>ENGINEERS, ARCHITECTS &amp; CONSULTANTS</small> METairie, LOUISIANA 70006 License No. EB00008095	
DRAWN CHKD DESIGN CHKD DATE	KG R/JG EJM EJM 5/10/2001	REVISED PER ADDENDUM NDL1 6-01-01 DATE NO. DWN CHKD	REVISIONS
<b>EVERGLADES CONSTRUCTION PROJECT</b> STORMWATER TREATMENT AREA NO. 374 PUMP STATIONS G-370 & G-372		SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406	
CONTRACT NO. C-E304 DWG. NO. C-204		"RECORD DRAWINGS"	

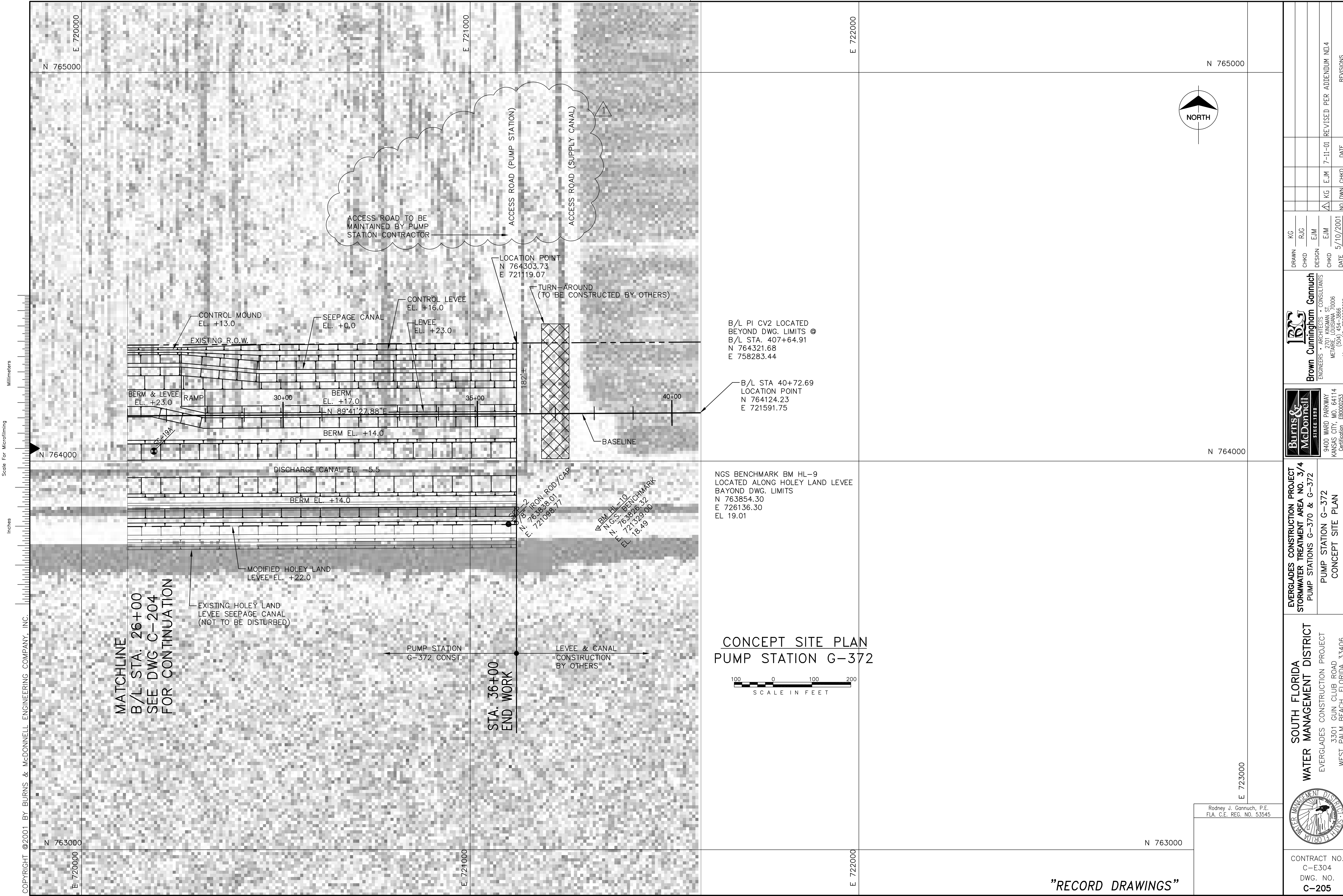
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<p><b>Brown Cunniff &amp; Gannuch</b> ENGINEERS - ARCHITECTS - CONSULTANTS 2701 METABRE LOUISIANA METABRE, LOUISIANA 70006 License No. EB00008095</p>													
<p><b>Burns &amp; McDonnell</b> SINCE 1888 9400 WARD PARKWAY KANSAS CITY, MO. 64114 Certification: ER0000253 BMCB</p>	<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 374 PUMP STATIONS G-370 &amp; G-372 PUMP STATION G-372 CONCEPT SITE PLAN</p>												
<p>SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>	<p>CONTRACT NO. C-E304 DWG. NO. C-205</p>												
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>CHKD</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>7-11-01</td> <td>EJM</td> <td></td> </tr> <tr> <td>2</td> <td></td> <td>KG</td> <td></td> </tr> </tbody> </table>	NO.	DATE	CHKD	DATE	1	7-11-01	EJM		2		KG		<p>REVISIONS</p>
NO.	DATE	CHKD	DATE										
1	7-11-01	EJM											
2		KG											

"RECORD DRAWINGS"

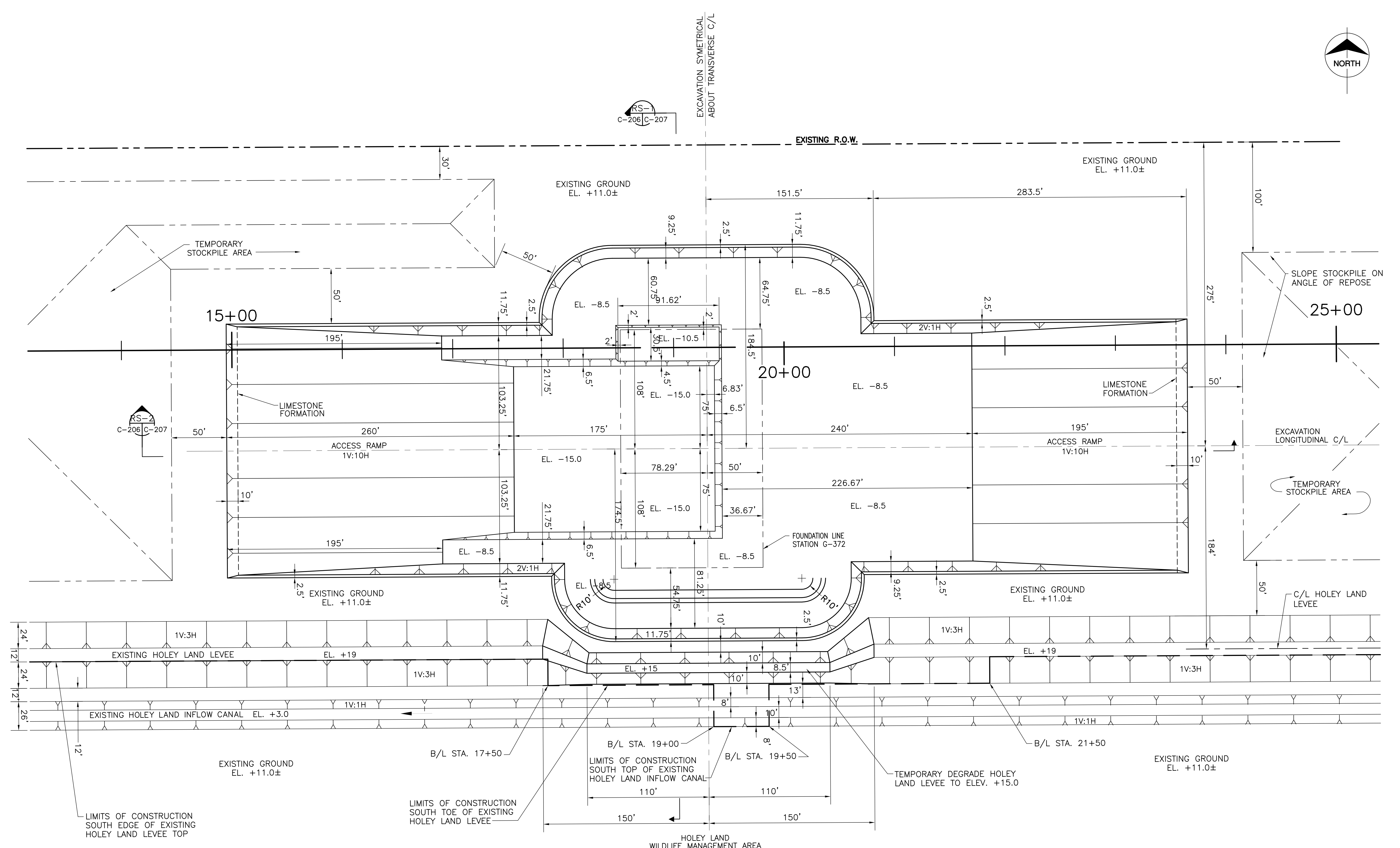
Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545



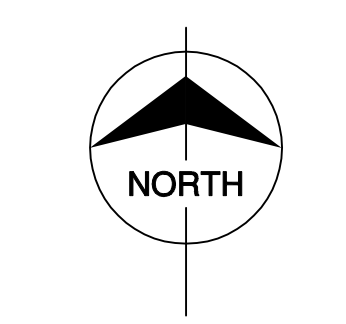
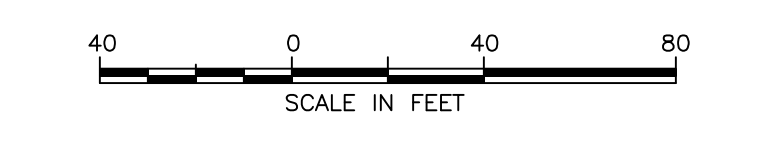


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Scale For Microfilming  
Inches  
Millimeters

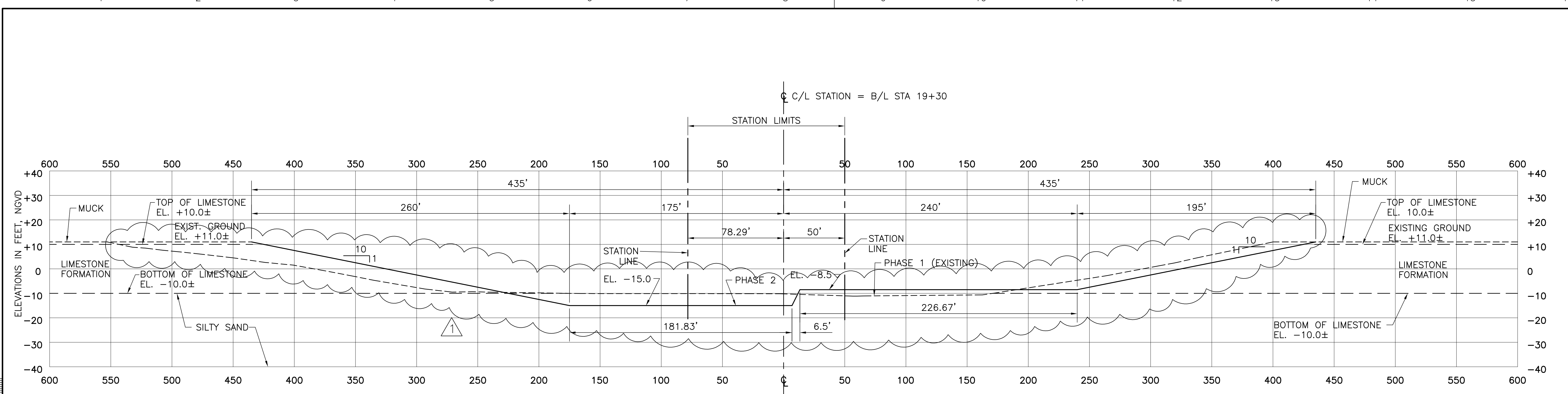


**REQUIRED EXCAVATION PLAN - PHASE 2**  
**PUMP STATION G-372**



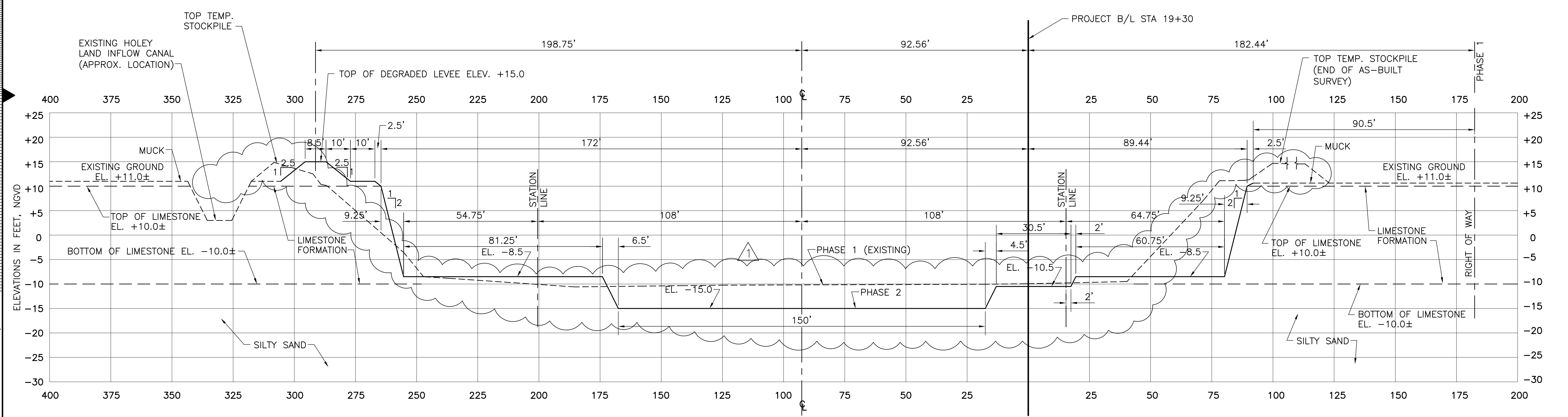
 Brown Cunningham Gannuch ARCHITECTS - CONSULTANTS ENGINEERS METairie, LOUISIANA 70006 (504) 454-3866 License No. EB0008095		DRAWN: KG CHKD: R/JG DESIGN: EJM CHKD: EJM DATE: 5/10/2001	NO. DWG: CHKD DATE:	REVISIONS
 Burns & McDonnell SINCE 1888 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certification: EB000253 BAG		EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATION G-372 REQUIRED EXCAVATION PLAN PHASE 2		
SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406		CONTRACT NO. C-E304 DWG. NO. C-206		

"RECORD DRAWINGS"



**REQUIRED EXCAVATION SECTION - PHASE 2  
LONGITUDINAL C/L SECTION (LOOKING NORTH)  
PUMP STATION G-372**

RS-2  
C-206 C-207



**REQUIRED EXCAVATION SECTION - PHASE 2  
TRANSVERSE C/L SECTION (LOOKING WEST)  
PUMP STATION G-372**

RS-1  
C-206 C-207

- NOTES:**
- LIMESTONE THICKNESS VARIES. SEE DRAWING C-228 FOR SOIL BORING DATA.
  - BOTTOM OF HOLEY LAND INFLOW CANAL IS APPROXIMATE. BOTTOM ELEVATION MAY VARY.

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

<p><b>Brown Cunningham Gannuch</b> ARCHITECTS &amp; CONSULTANTS ENGINEERS 218 L. LOUISIANA METairie, LOUISIANA 70006 (504) 454-3666 License No. EB00008095</p>	
<p><b>Butts &amp; McDonnell</b> SINCE 1938 9400 WARD PARKWAY KANSAS CITY, MO. 64114 Certification: EB0000253 BMD: 24930</p>	
<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372 PUMP STATION G-372 REQUIRED EXCAVATION SECTION PHASE 2</p>	
<p>SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>	
<p>CONTRACT NO. C-E304 DWG. NO. C-207</p>	
<p>DRAWN: KG CHKD: R/JG DESIGN: EJM CHKD: EJM DATE: 5/10/2001</p>	<p>NO. DWN: 10 DATE: 6-29-01 REVISED PER ADDENDUM NO. 3</p>
<p>REVISIONS</p>	

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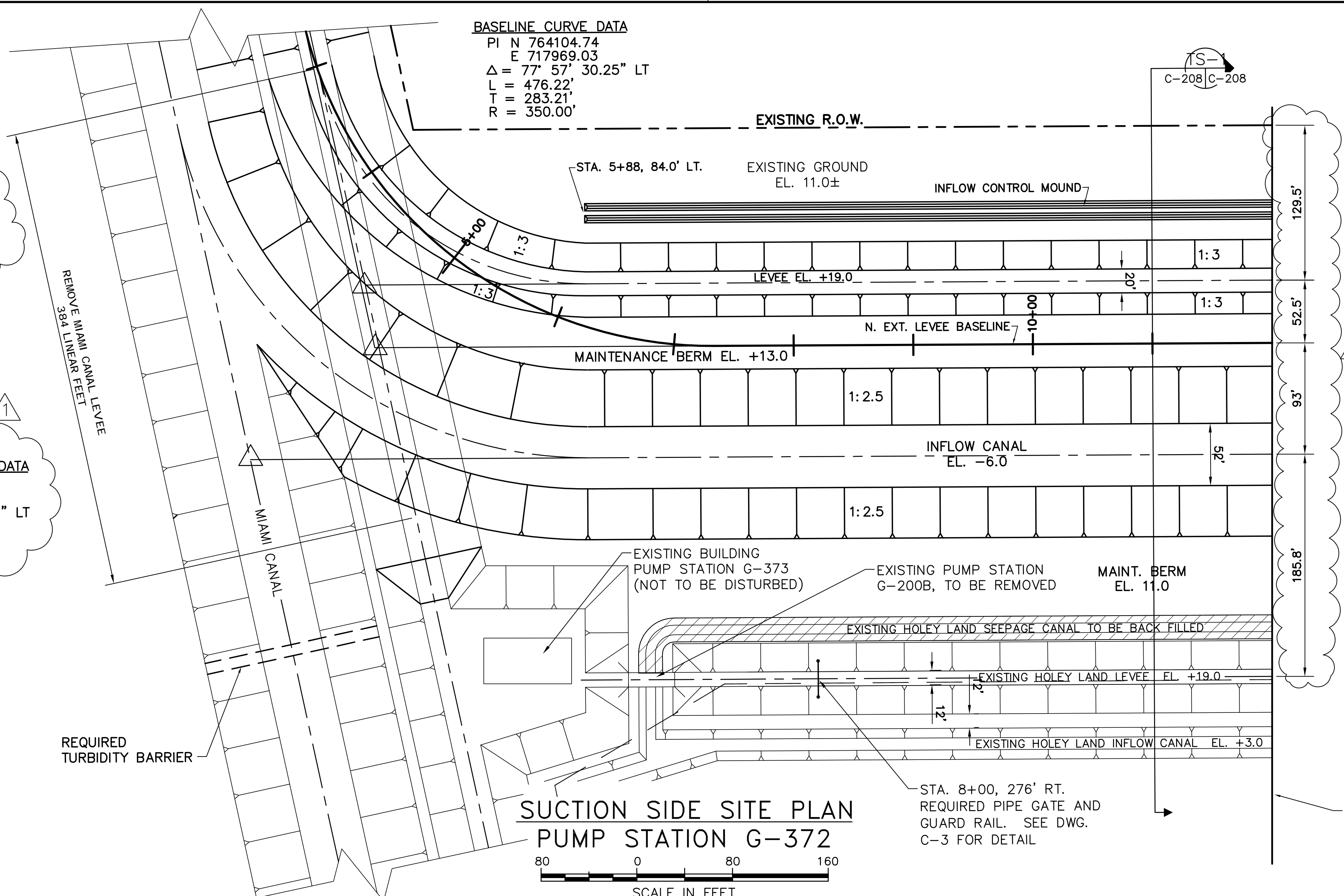
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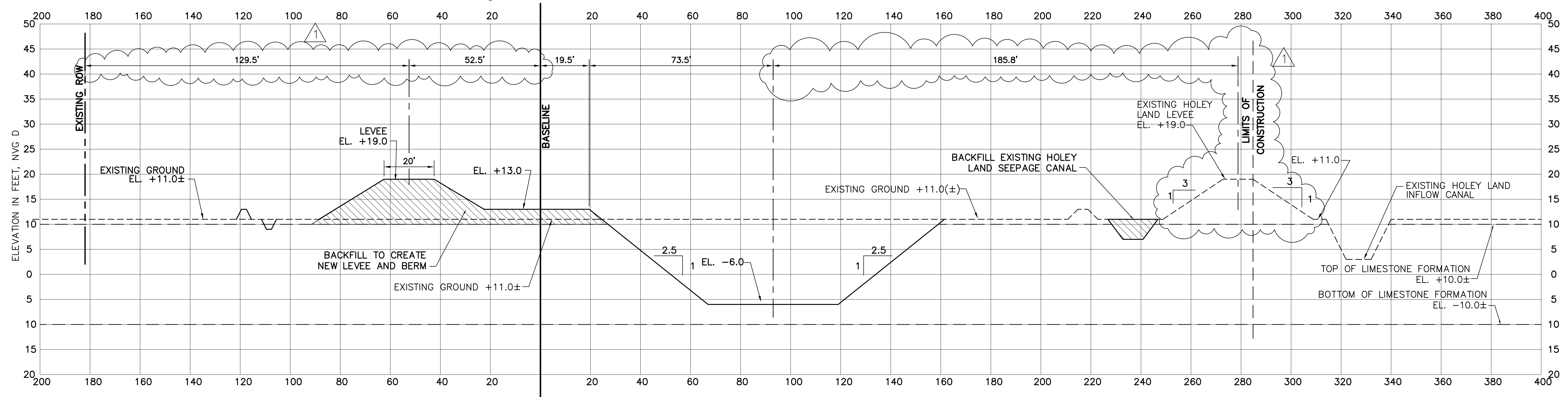
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 PI N 764104.74  
 E 717969.03  
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 L = 476.22'  
 T = 283.21'  
 R = 350.00'

**C/L LEVEE CURVE DATA**  
 PI N 764157.21  
 E 717961.03  
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 R = 228'

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 E 717865.04  
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 T = 281.27'  
 R = 350.67'



**SUCTION SIDE TYPICAL SECTION PUMP STATION G-372**

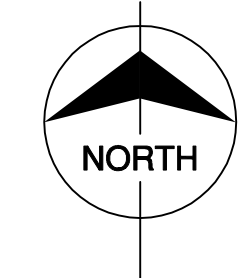


**SUCTION SIDE TYPICAL SECTION PUMP STATION G-372**

TS-1  
C-208/C-208

BACKFILL AREA.

Rodney J. Gannuch, P.E.  
 FLA. C.E. REG. NO. 53545



Scale For Microfilming  
 Millimeters

Inches

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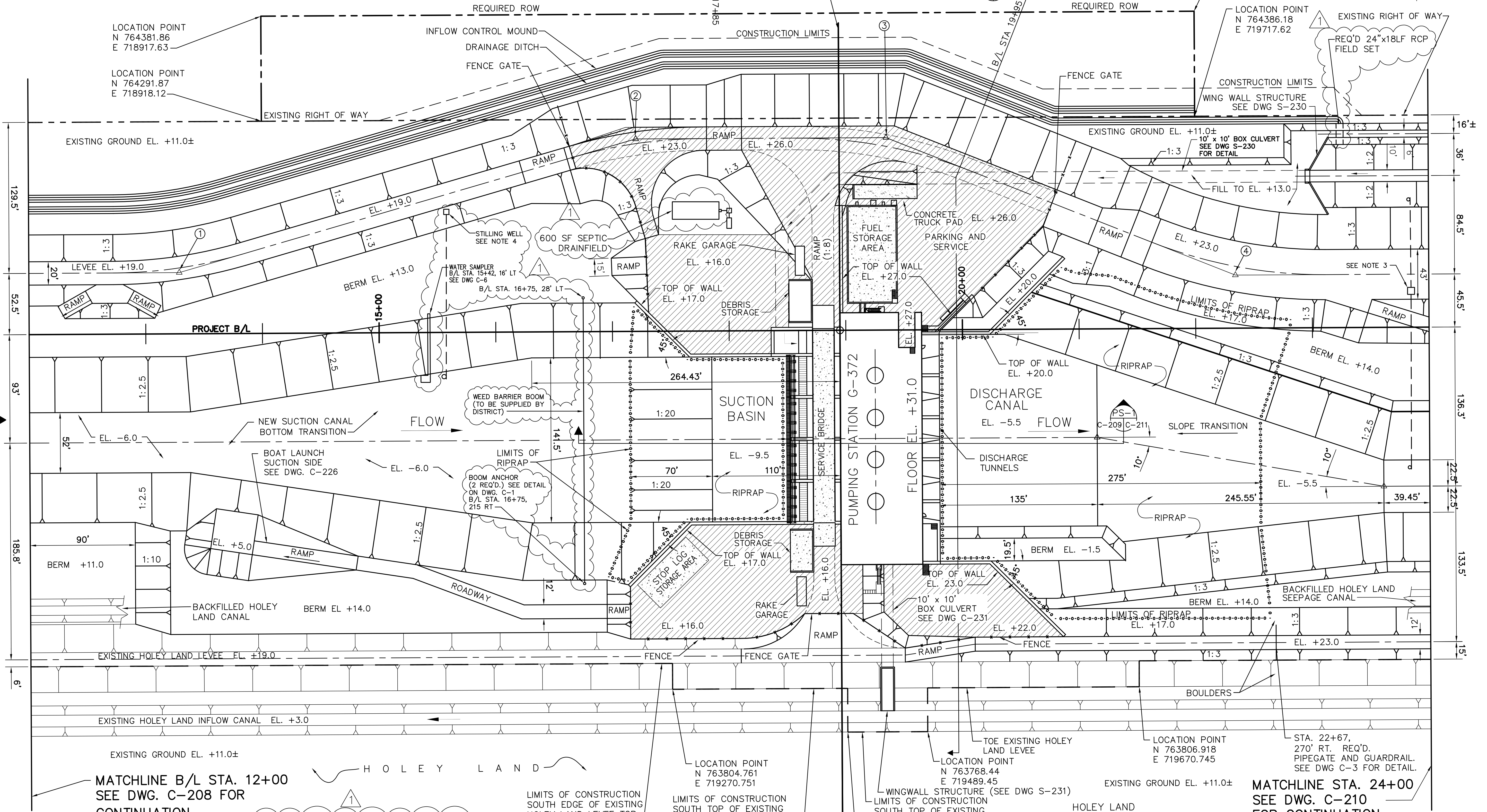
<p><b>Brown Cunningham Gannuch</b>          ENGINEERS, ARCHITECTS, CONSULTANTS          METairie, LOUISIANA 70006          License No. EB0008095</p>													
<p>EVERGLADES CONSTRUCTION PROJECT          STORMWATER TREATMENT AREA NO. 3/4          PUMP STATIONS G-370 &amp; G-372</p>	<p>PUMP STATION G-372          SUCTION SIDE SITE PLAN          &amp; TYPICAL SECTION</p>												
<p><b>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</b>          EVERGLADES CONSTRUCTION PROJECT          3301 GUN CLUB ROAD          WEST PALM BEACH, FLORIDA 33406</p>	<p>CONTRACT NO.          C-E304          DWG. NO.          C-208</p>												
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>CHKD</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5/10/2001</td> <td>CHKO</td> <td></td> </tr> <tr> <td>2</td> <td>6-01-01</td> <td>REVIS</td> <td>PER APPENDUM NO.1</td> </tr> </tbody> </table>	NO.	DATE	CHKD	DATE	1	5/10/2001	CHKO		2	6-01-01	REVIS	PER APPENDUM NO.1	<p>REVISIONS</p>
NO.	DATE	CHKD	DATE										
1	5/10/2001	CHKO											
2	6-01-01	REVIS	PER APPENDUM NO.1										

"RECORD DRAWINGS"

**CURVE DATA TABLE**

CURVE NO.	B/L STA.	B/L OFFSET	Δ	R	I	L
①	13+28.91	52.50' LT	16.02' LT	400'	56.29'	111.84'
②	17+20.74	165' LT	16.02' RT	400'	56.29'	111.84'
③	19+35.31	165' RT	21.79' RT	400'	77'	152.14'
④	22+34.18	45.5' LT	21.79' LT	400'	77'	152.14'

STATION TRANSVERSE B/L @ PROJECT  
B/L STA 18+95 LOCATED AT STATION  
FACE OF BUILDING WALL LINE



- NOTES**
- SEE DRAWINGS C-214 AND C-215 FOR OTHER DIMENSIONS NOT SHOWN ON THIS DRAWING.
  - SEE DRAWINGS C-216 THROUGH C-225 FOR CONCRETE AND SHEETPILE WALL DETAILS AND DIMENSIONS.
  - STA. 23+90, 31' LT., REQ'D. STILLING WELL. SEE DWG C-3 FOR DETAIL. REQ'D. LENGTH OF 2" HOT DIP GALV. STEEL PIPE: NORTH OF STILLING WELL: 80 L.F. SOUTH OF STILLING WELL: 150 L.F.
  - STA. 15+58, 104 LT. REQ'D. STILLING WELL SEE DWG. C-2 FOR DETAIL REQ'D. LENGTH OF 2" HOT DIP GALV. STEEL PIPE 138 LF

4. STA. 15+58, 104 LT. REQ'D. STILLING WELL SEE DWG. C-2 FOR DETAIL REQ'D. LENGTH OF 2" HOT DIP GALV. STEEL PIPE 138 LF

**PUMP STATION G-372  
PUMP STATION G-372**



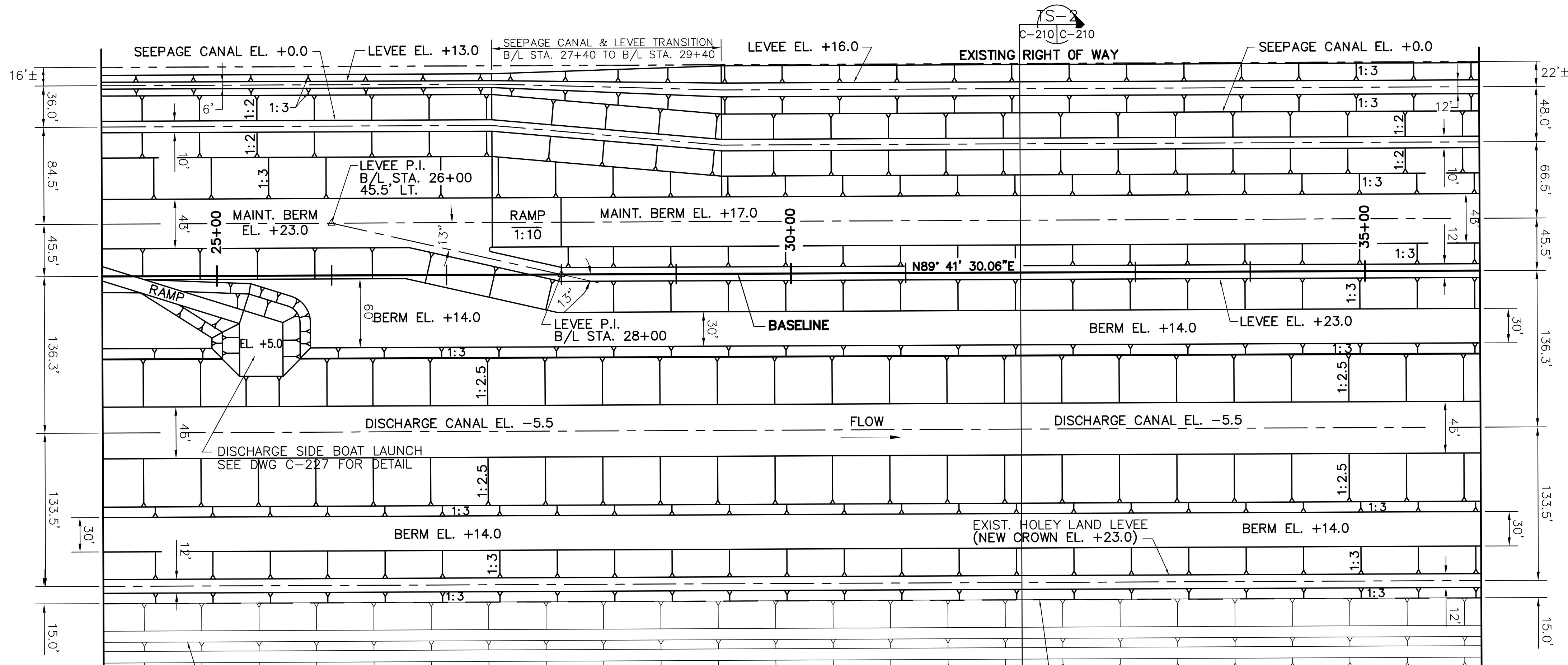
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

 ARCHITECTS & CONSULTANTS METairie, LOUISIANA 70006 License No. EB0008095	DRAWN: KG CHKD: EJM	DESIGN: EJM R/G: R/G	DATE: 5/10/2001
	NO. DWG: CHKO	DATE:	REVISIONS:
 ENGINEERS 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certification: EB0000253 License No. 24930	EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATION G-372 & G-372		
	PUMP STATION G-372 PUMP STATION SITE PLAN		
SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406	CONTRACT NO. C-E304 DWG. NO. C-209		
	"RECORD DRAWINGS"		

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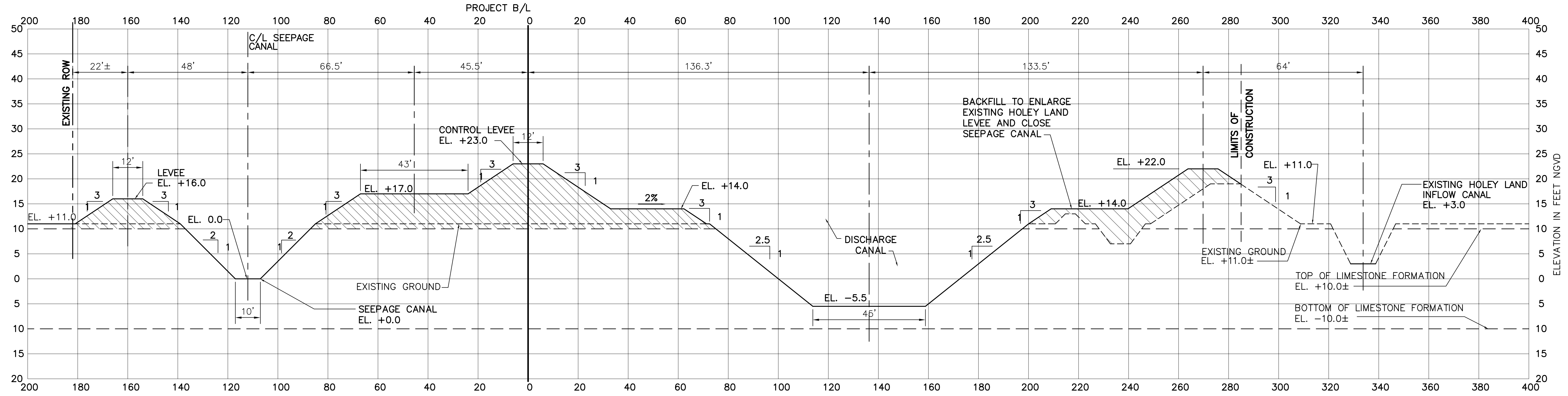




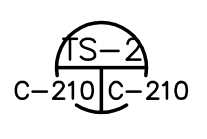
MATCHLINE STA. 24+00  
(SEE DWG. C-209)

DISCHARGE SIDE SITE PLAN  
PUMP STATION G-372

LIMIT OF WORK  
STA 36+00



DISCHARGE SIDE TYPICAL SECTION  
PUMP STATION G-372



Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

Scale For Microfilming

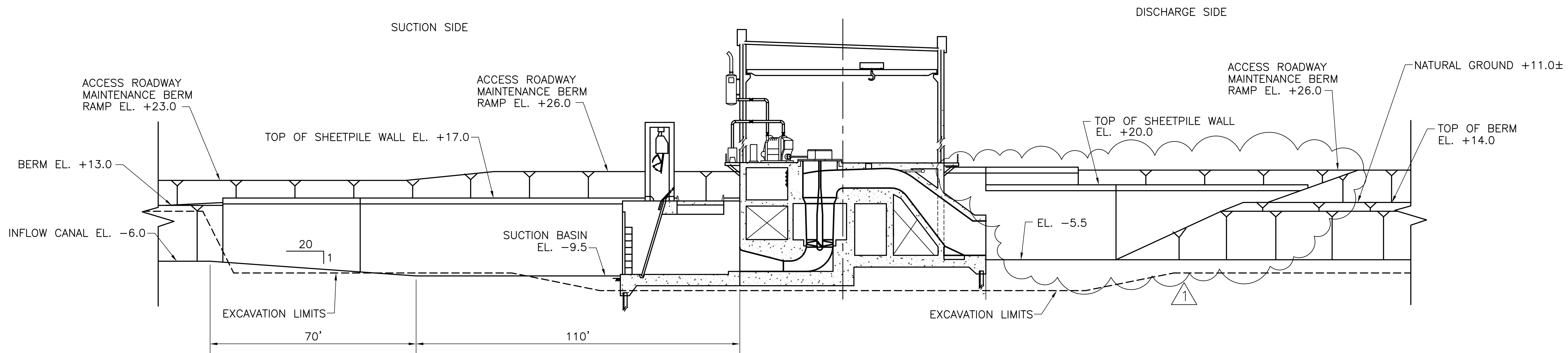
Inches

ELEVATION IN FEET NGVD

ELEVATION IN FEET NGVD

<p><b>Brown Cunningham Gannuch</b> ENGINEERS, ARCHITECTS, CONSULTANTS METairie, LOUISIANA 70006 (504) 454-3866 License No. EB00008095</p>		<p>REVISIONS</p>
<p>DRAWN: KG</p>	<p>CHKD: EJM</p>	<p>DATE: 5/10/2001</p>
<p>DESIGN: EJM</p>	<p>CHKD: RJC</p>	<p>NO. DWN: CHKO</p>
<p><b>Burns &amp; McDonnell</b> SINCE 1888 9400 WARD PARKWAY KANSAS CITY, MO. 64114 Certification: EB0000253 EB03</p>		<p>DATE</p>
<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372 PUMP STATION G-372 DISCHARGE SIDE &amp; SITE PLAN &amp; TYPICAL SECTION</p>		
<p><b>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</b> EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>		
<p>CONTRACT NO.</p>		
<p>DWG. NO. C-210</p>		

"RECORD DRAWINGS"



PUMP STATION LONGITUDINAL SECTION  
(LOOKING NORTH)  
PUMP STATION G-372

PS-1  
C-209 | C-211

20 0 20 40  
SCALE IN FEET

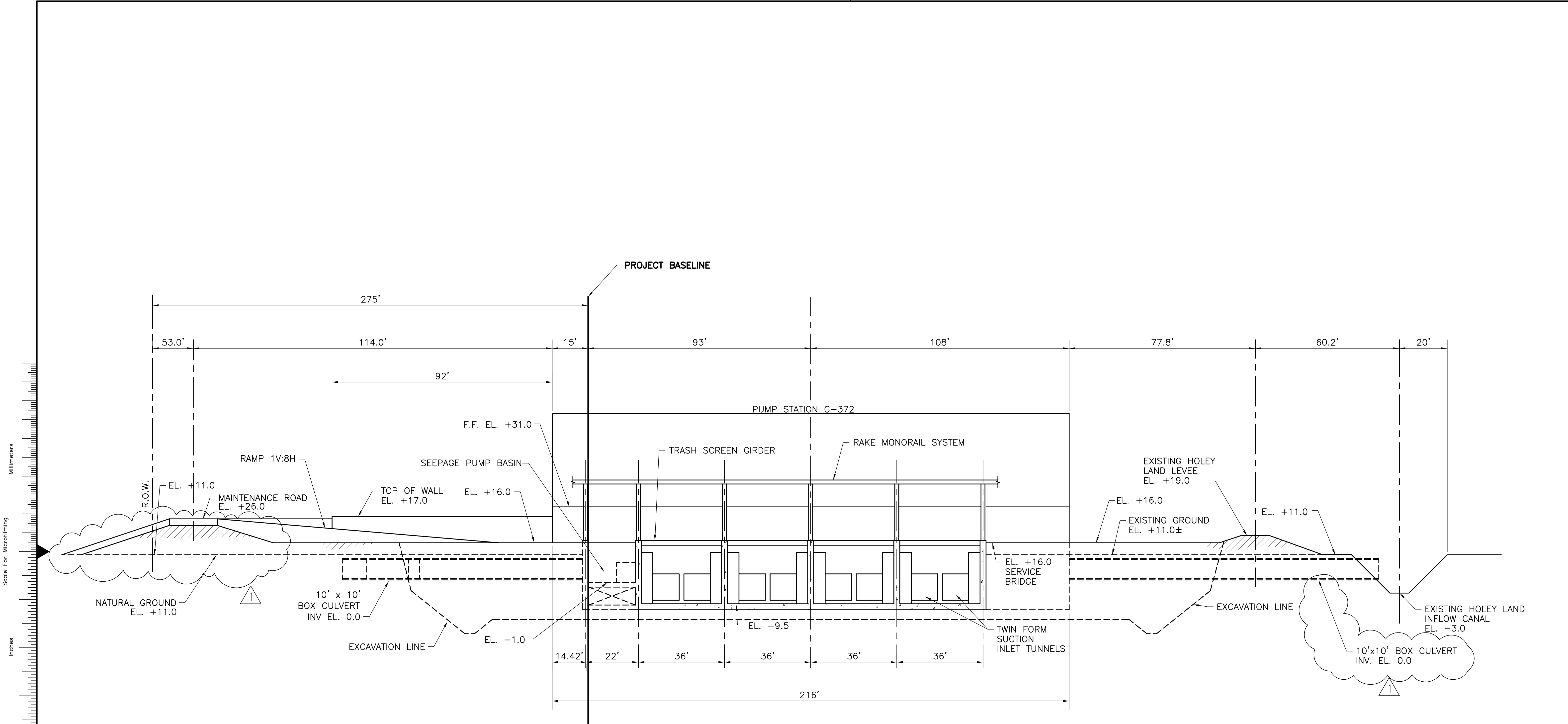
Scale For Microfilming  
Inches  
Millimeters

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 ARCHITECTS - CONSULTANTS ENGINEERS 7000 METABOL DRIVE METABOL, LOUISIANA 70006 (504) 454-3866 License No. EB0008095	DRAWN: KG CHKD: R/JG DESIGN: EJM CHKD: EJM DATE: 5/10/2001	NO.   DWG   CHKD   DATE 6-01-01   REVISED PER ADDENDUM NO. 1	REVISIONS
	EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATION G-372 PUMP STATION LOGITUDINAL SECTION	SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406	RODNEY J. GANNUCH, P.E. FLA. C.E. REG. NO. 53545

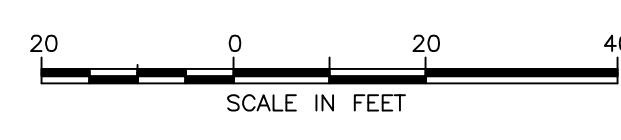
"RECORD DRAWINGS"





**PUMP STATION TRANSVERSE SECTION  
(SUCTION SIDE LOOKING EAST)  
PUMP STATION G-372**

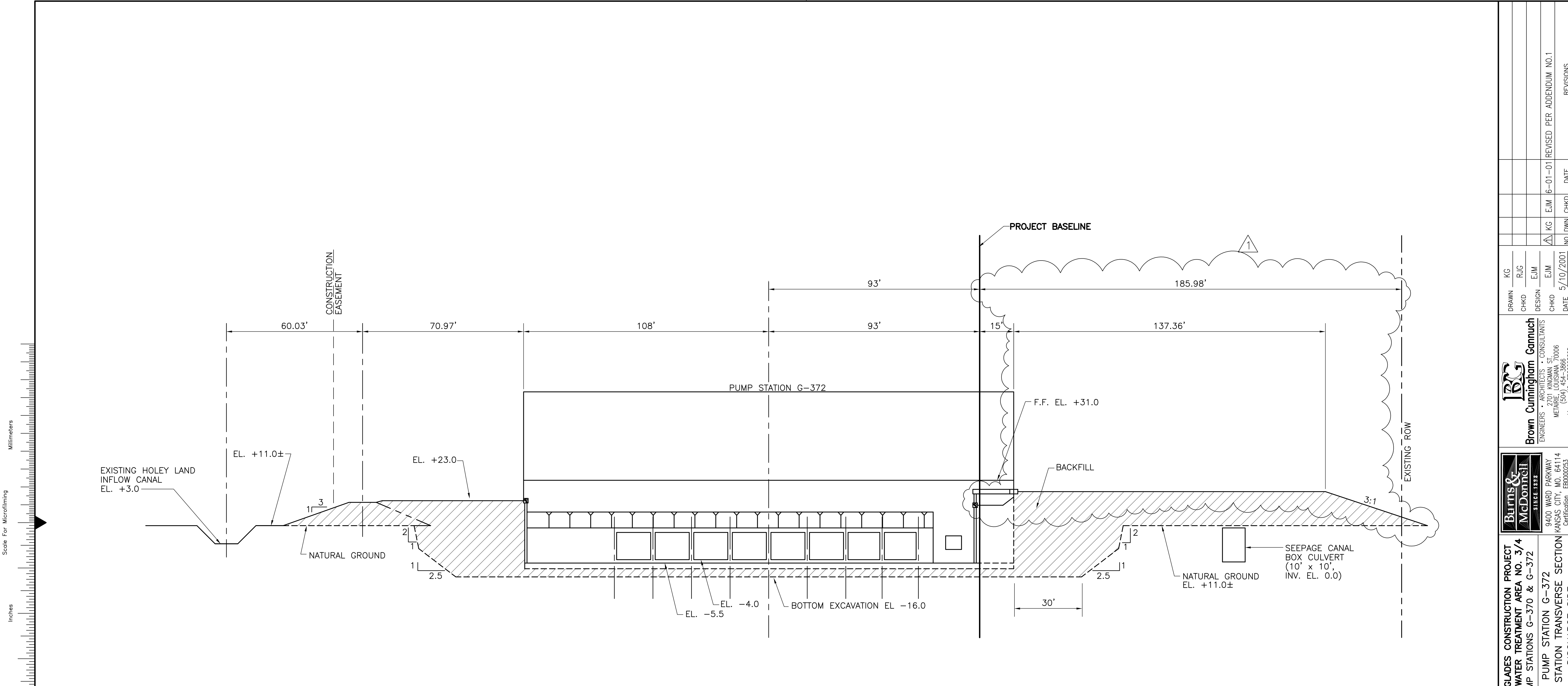
PS-2  
C-209 | C-212



Scale For Microfilming  
Inches  
Millimeters

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 <b>Brown Cunningham Gannuch</b> ARCHITECTS - CONSULTANTS ENGINEERS METairie, LOUISIANA 70006 (504) 454-3866 License No. EB0008095	 <b>Burns &amp; McDonnell</b> SINCE 1888 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certification: EB000253 BMO	<b>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372</b>  <b>PUMP STATION G-372</b> <b>PUMP STATION TRANSVERSE SECTION</b> <b>SUCTION SIDE</b>	<b>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</b> EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406	 Rodney J. Gannuch, P.E. FLA. C.E. REG. NO. 53545	CONTRACT NO. C-E304 DWG. NO. <b>C-212</b>	<b>"RECORD DRAWINGS"</b>	REVISIONS NO.   DATE   CHKD   DATE   REVISED PER ADDENDUM NO. 1



**PUMP STATION TRANSVERSE SECTION  
(DISCHARGE SIDE LOOKING WEST)  
PUMP STATION G-372**

PS-3  
C-209/C-213



Scale For Microfilming  
Inches  
Millimeters

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<p><b>Burns &amp; McDonnell</b> SINCE 1888 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certification: ER0000253 BAGD</p>		<p><b>Brown Cunningham Gannuch</b> ENGINEERS - ARCHITECTS - CONSULTANTS METairie, LOUISIANA 70006 (504) 454-3866 License No. EB00008095</p>		<p>DRAWN: KG CHKD: R/JG DESIGN: EJM CHKD: EJM DATE: 5/10/2001</p>	<p>NO.   DWN   CHKD   DATE</p>
<p><b>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</b> EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>		<p><b>EVERGLADES CONSTRUCTION PROJECT</b> STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372 PUMP STATION G-372 PUMP STATION TRANSVERSE SECTION DISCHARGE SIDE</p>		<p>REVISIONS</p>	<p>NO.   DATE</p>
<p>Rodney J. Gannuch, P.E. FLA. C.E. REG. NO. 53545</p>		<p>CONTRACT NO. C-E304 DWG. NO. C-213</p>		<p>"RECORD DRAWINGS"</p>	



REQUIRED R.O.W.

REQUIRED R.O.W.

EXISTING GROUND  
EL. +11.0±

EXISTING GROUND  
EL. +11.0±



REQ'D. SUB-SURFACE JUNCTION BOX  
SEE DWG. S-230 FOR DETAIL  
B/L STA. 19+90, 130 LT.  
TOP. EL. 24.00  
INV. EL. 20.00

CONTROL MOUND  
DRAINAGE DITCH

442 LF OF GUARDRAIL REQ'D. ALONG NORTH EDGE OF PAVEMENT  
SEE DWG. S-228 FOR GUARDRAIL DETAIL

EXISTING R.O.W.

REQ'D. SWING GATE  
RAMP  
LEVEE AND ACROSS ROAD EL. +19.0

EL. +23.0 RAMP EL. 26.0

10x10 BOX CULVERT  
(SEE DWG. S-230)

600 SF SEPTIC TANK DRAIN FIELD  
SEE NOTE 5

18"x110 LF RCP

15"x45 LF RCP

REQ'D. CHAINLINK FENCE

RAKE GARAGE

10'x15'x55' CONCRETE TRUCK PAD, EL. +26.0  
(SEE NOTE 1)

REQ'D. SWING GATE

REQ'D. DROP INLET

15"x76 LF RCP

15"x45 LF RCP

REQ'D. DROP INLET

REQ'D. SWING GATE

REQ'D. DROP INLET

15"x31 LF RCP

15"x45 LF RCP

REQ'D. DROP INLET

DEBRIS STORAGE

SUMP

AREA LIGHT

TOP OF WALL EL. +17.0

SERVICE BRIDGE EL. +16.0

APPROACH SLAB

TOP OF WALL EL. +20.0

DISCHARGE TUNNELS

DISCHARGE CANAL EL. -5.5

INFLOW CANAL EL. -6.0

AREA LIGHT LOCATION (TYP)

TOP OF WALL EL. +17.0

REQ'D. DROP INLET  
B/L STA. 18+80.61, 24.25 LT  
TOP. EL. 15.25  
INV. EL. 12.60

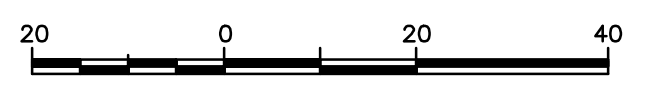
PUMP STA G-372  
F.F. EL. +31.0

TOP OF WALL EL. +20.0

DISCHARGE CANAL EL. -5.5

- NOTES:
- SEE DWG. C-1 FOR TYPICAL CONCRETE FOOTING DETAILS.
  - SEE DWGS., C-216 THRU C-225 FOR LAYOUT & DETAILS OF SHEETPILE & CONCRETE RETAINING WALLS.
  - SEE DWG. S-14 FOR CHAIN LINK FENCE DETAILS.
  - SEE DWG. S-227 THRU S-229 FOR SERVICE BRIDGE DETAILS.
  - REQ'D. SEPTIC TANK FIELD ROUTE ALL GRAVITY SEWER LINE FROM BUILDING TO SEPTIC TANK AS REQUIRED.
  - 3" DIAMETER DRAIN LINE WITH ISOLATION VALVE REQ'D. TO DRAIN FUEL STORAGE AREA SUMP ROUTE PIPE THROUGH RETAINING WALL THEN DOWN 2' BELOW GROUND TO SERVICE BRIDGE AND THROUGH SEEPAGE PUMP WALL TO EMPTY IN SEEPAGE BASIN.

### NORTH ROADWAY AND DRAINAGE PLAN PUMP STATION G-372

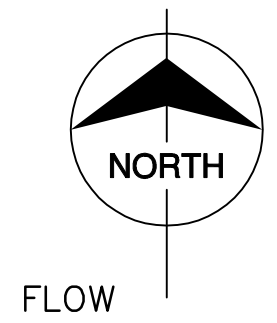
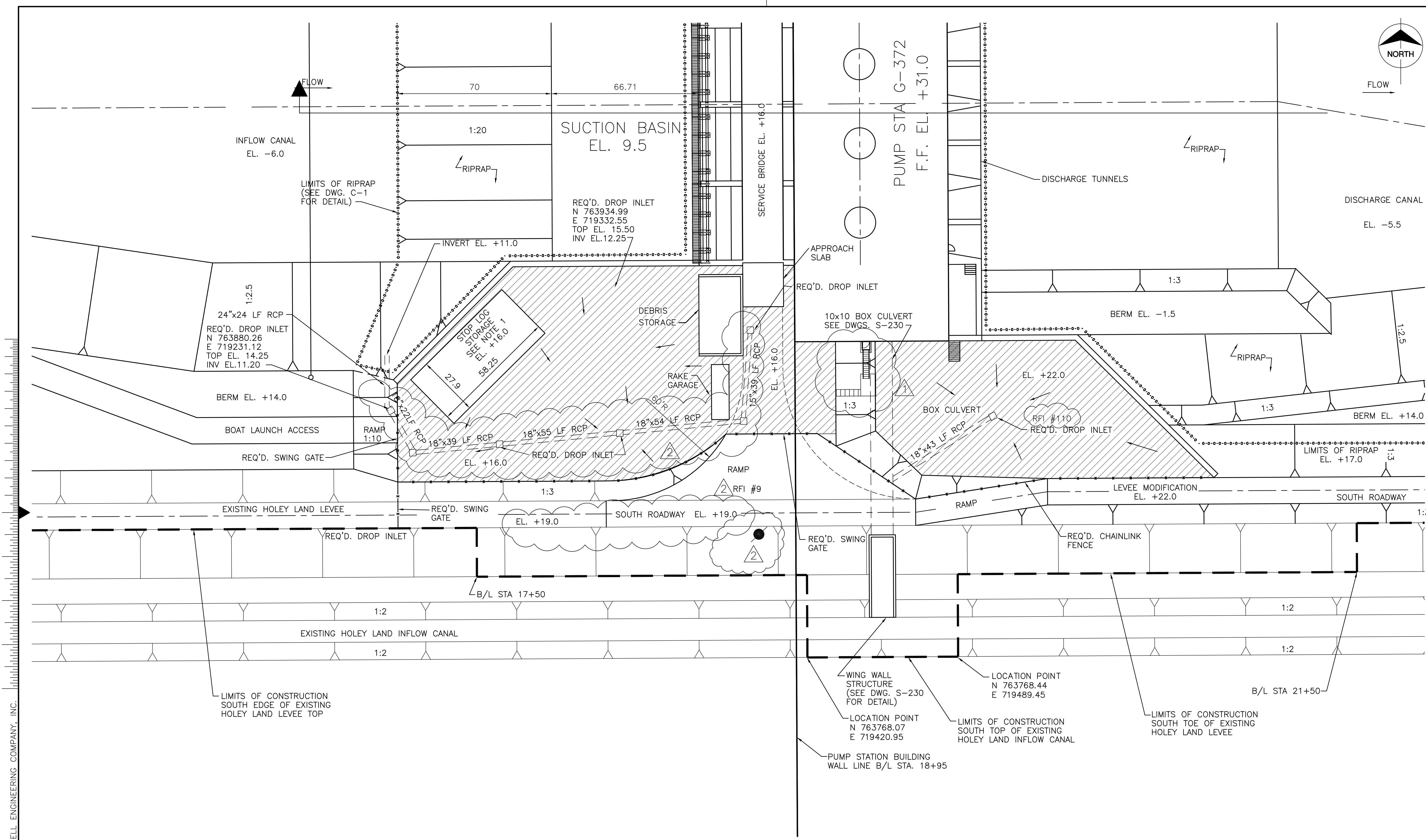


- ASPHALT SURFACE
- CONCRETE SURFACE

"RECORD DRAWINGS"

REVISIONS	DATE	CHKD	DATE	CHKD	DATE	CHKD	DATE
NO. 01	5/10/2001	DATE	5/10/2001	DATE	5/10/2001	DATE	5/10/2001
NO. 02	6-01-01	DATE	6-01-01	DATE	6-01-01	DATE	6-01-01
NO. 03	6-29-01	DATE	6-29-01	DATE	6-29-01	DATE	6-29-01
NO. 04	7/15/04	DATE	7/15/04	DATE	7/15/04	DATE	7/15/04
NO. 05	11/02/04	DATE	11/02/04	DATE	11/02/04	DATE	11/02/04
REVISIONS PER RECORD DRAWINGS							
DESIGN	EJM	DATE	5/10/2001	DATE	5/10/2001	DATE	5/10/2001
CHKD	RJG	DATE	5/10/2001	DATE	5/10/2001	DATE	5/10/2001
DRAWN	KG	DATE	5/10/2001	DATE	5/10/2001	DATE	5/10/2001
<b>Burns &amp; McDonnell</b> ENGINEERS, ARCHITECTS & CONSULTANTS METABAR, LOUISIANA 70006 (504) 454-8866 License No. EB00008095							
<b>Brown Cunningham Gannuch</b> ENGINEERS, ARCHITECTS & CONSULTANTS METABAR, LOUISIANA 70006 (504) 454-8866 License No. EB00008095							
SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406							
EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372 PUMP STATION G-372 NORTH ROADWAY AND DRAINAGE PLAN							
CONTRACT NO. C-E304 DWG. NO. C-214							
Rodney J. Gannuch, P.E. FLA. C.E. REG. NO. 53545							

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Scale For Microfilming  
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Millimeters

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- NOTES:**
- SEE DWG. C-1 FOR TYPICAL CONCRETE FOOTING DETAIL.
  - SEE DWGS. C-216 THRU C-225 FOR LAYOUT & DETAIL OF WALLS.
  - SEE DWG. S-14 FOR CHAIN LINK FENCE DETAILS.
  - SEE DWGS. S-227 THRU S-229 FOR SERVICE BRIDGE DETAILS.

**SOUTH ROADWAY AND DRAINAGE PLAN  
PUMP STATION G-372**



- ASPHALT PAVEMENT
- CONCRETE PAVEMENT

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

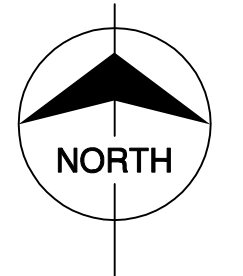
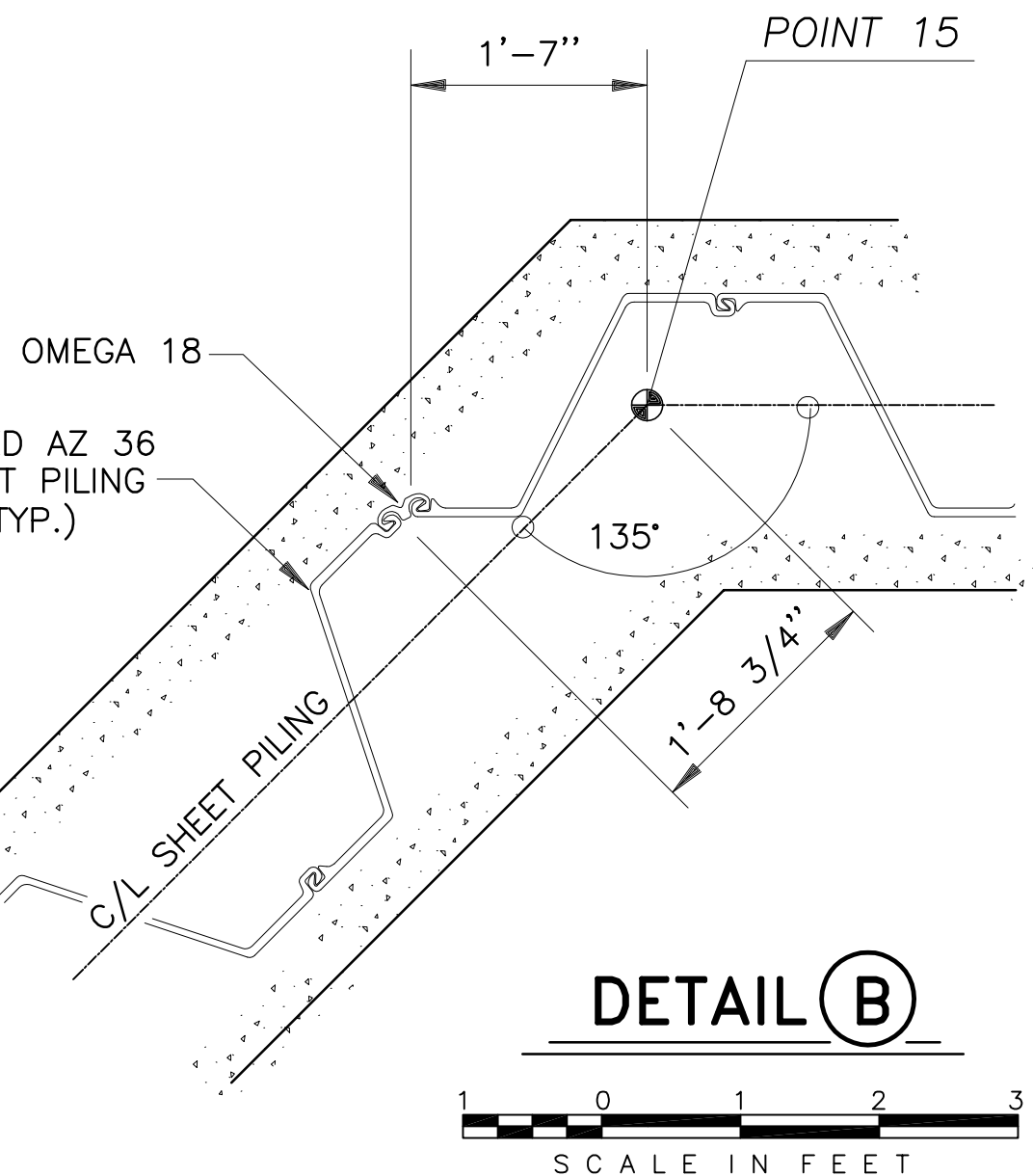
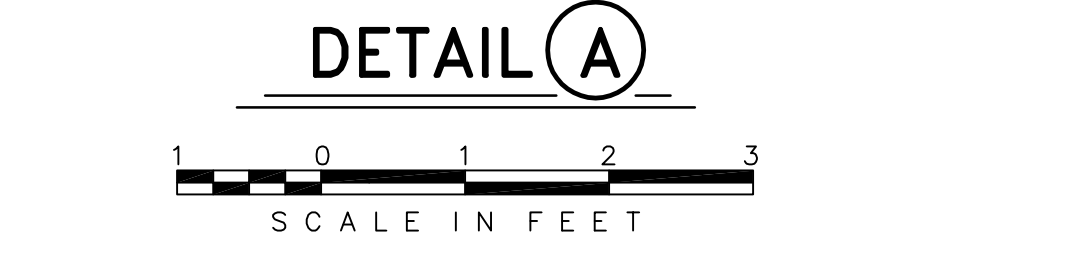
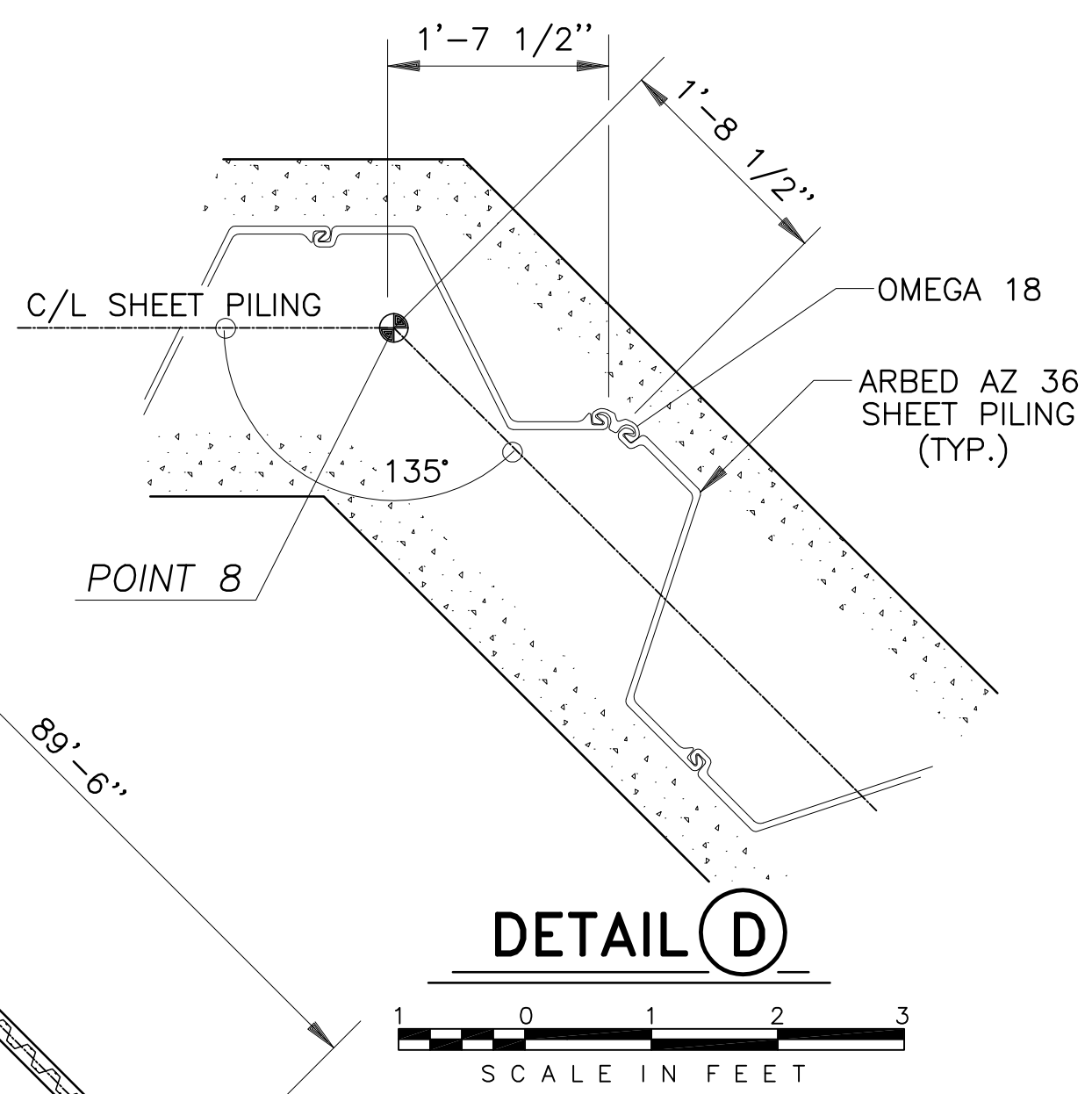
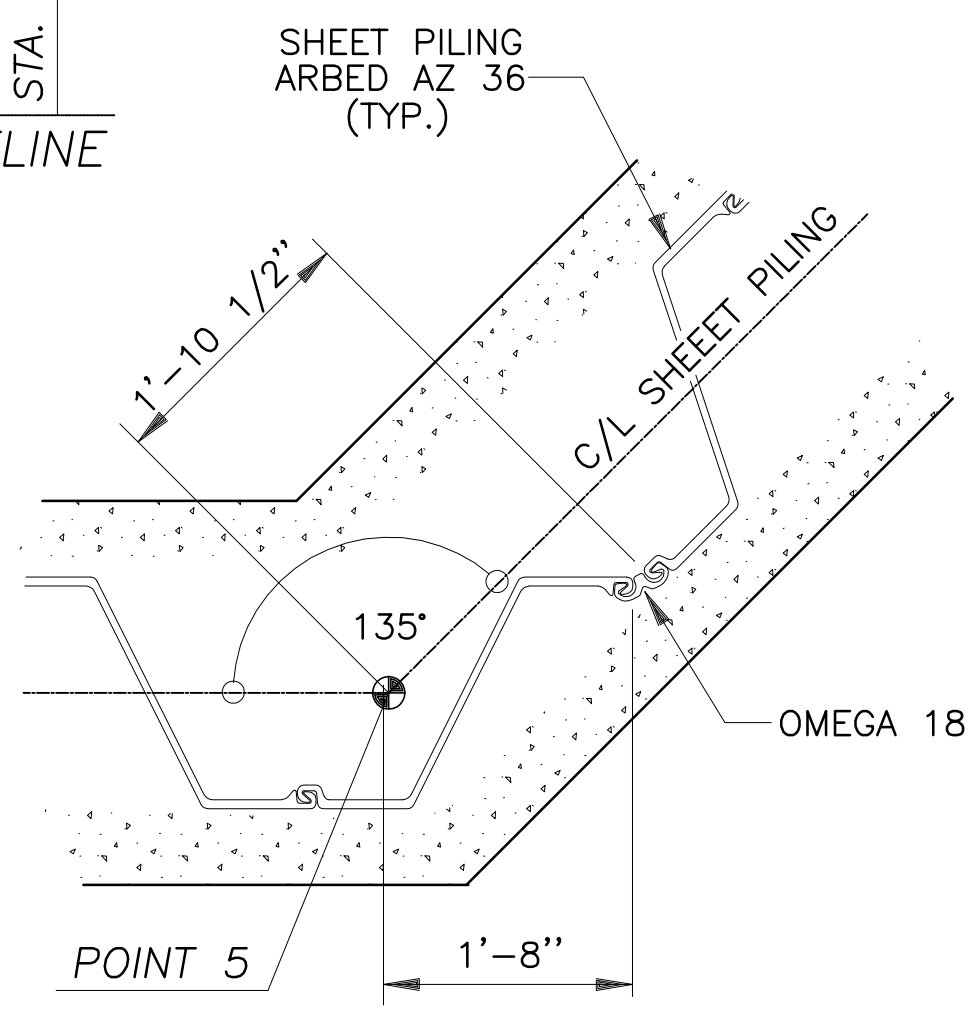
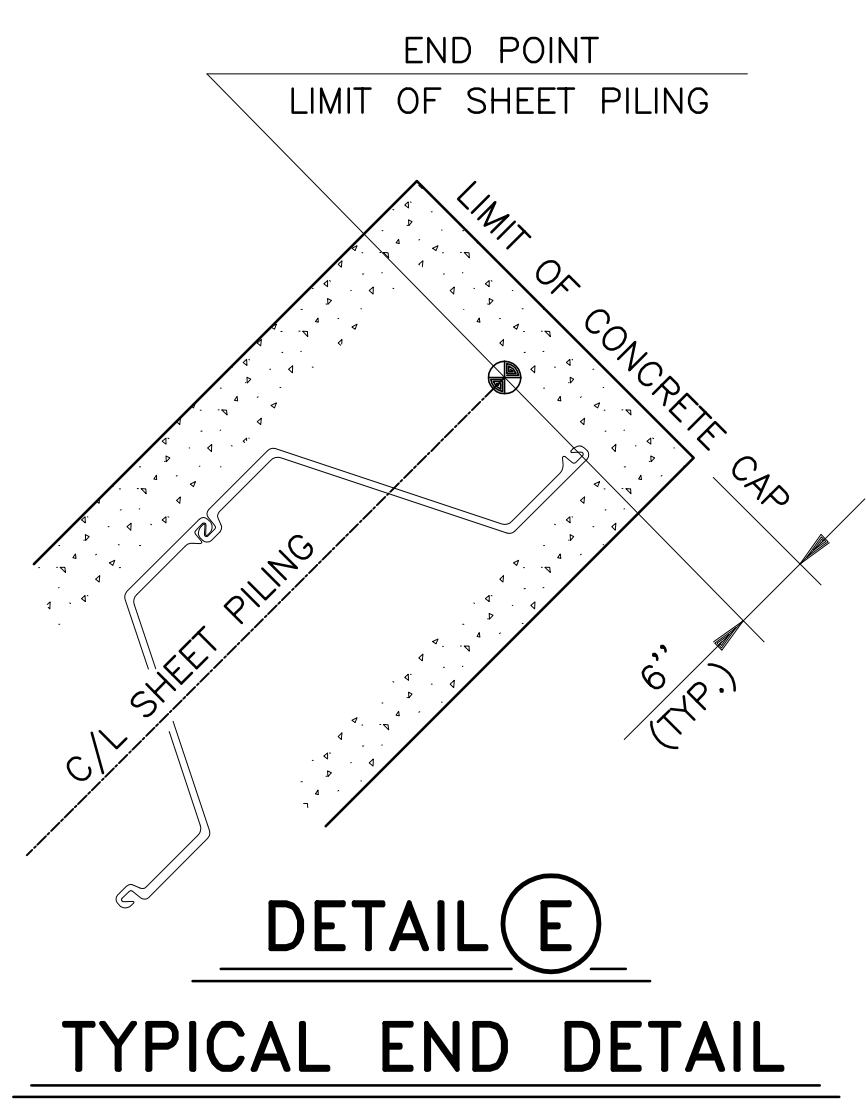
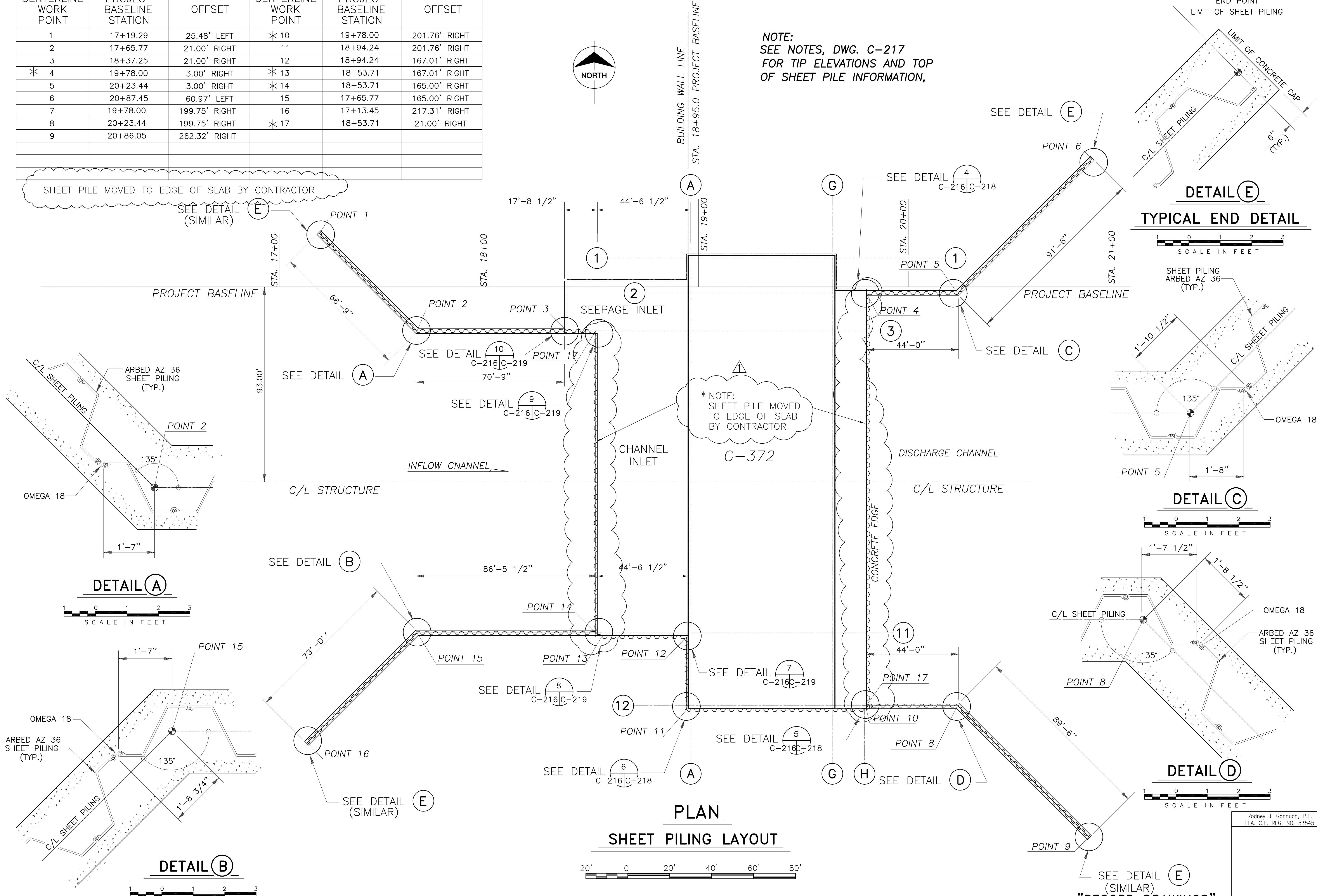
<b>BURNS &amp; MCDONNELL</b> SINCE 1888	ENGINEERS & ARCHITECTS - CONSULTANTS METairie, LOUISIANA 70006 (504) 454-8866 License No. EB0008095	DRAWN CHKD DESIGN CHKD DATE	NO. DWG CHKD DATE	REVISIONS
EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 374 PUMP STATIONS G-370 & G-372		PUMP STATION G-372 SOUTH ROADWAY AND DRAINAGE PLAN		
SOUTH FLORIDA WATER MANAGEMENT DISTRICT		EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406		
CONTRACT NO.		DWG. NO.		
C-215		C-215		

"RECORD DRAWINGS"



CENTERLINE SHEET PILE LAYOUT					
CENTERLINE WORK POINT	PROJECT BASELINE STATION	OFFSET	CENTERLINE WORK POINT	PROJECT BASELINE STATION	OFFSET
1	17+19.29	25.48' LEFT	* 10	19+78.00	201.76' RIGHT
2	17+65.77	21.00' RIGHT	11	18+94.24	201.76' RIGHT
3	18+37.25	21.00' RIGHT	12	18+94.24	167.01' RIGHT
* 4	19+78.00	3.00' RIGHT	* 13	18+53.71	167.01' RIGHT
5	20+23.44	3.00' RIGHT	* 14	18+53.71	165.00' RIGHT
6	20+87.45	60.97' LEFT	15	17+65.77	165.00' RIGHT
7	19+78.00	199.75' RIGHT	16	17+13.45	217.31' RIGHT
8	20+23.44	199.75' RIGHT	* 17	18+53.71	21.00' RIGHT
9	20+86.05	262.32' RIGHT			

NOTE:  
SEE NOTES, DWG. C-217  
FOR TIP ELEVATIONS AND TOP  
OF SHEET PILE INFORMATION,



**PLAN**  
**SHEET PILING LAYOUT**

REVISIONS	NO.	DATE	CHKD.	DATE
BROWN CUNNINGHAM GANNUCH	ARCHITECTS & ENGINEERS	CONSULTANTS	CONSULTANTS	
9400 WARD PARKWAY KANSAS CITY, MO. 64114 CERTIFICATE: ER0000253 BUDG. 24930	9400 WARD PARKWAY KANSAS CITY, MO. 64114 CERTIFICATE: ER0000253 BUDG. 24930	9400 WARD PARKWAY KANSAS CITY, MO. 64114 CERTIFICATE: ER0000253 BUDG. 24930	9400 WARD PARKWAY KANSAS CITY, MO. 64114 CERTIFICATE: ER0000253 BUDG. 24930	9400 WARD PARKWAY KANSAS CITY, MO. 64114 CERTIFICATE: ER0000253 BUDG. 24930
EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372				
PUMP STATION G-372 SHEET PILING LAYOUT PLAN				
SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406				
Rodney J. Gannuch, P.E. FLA. C.E. REG. NO. 53545				
CONTRACT NO. C-E304 DWG. NO. C-216				

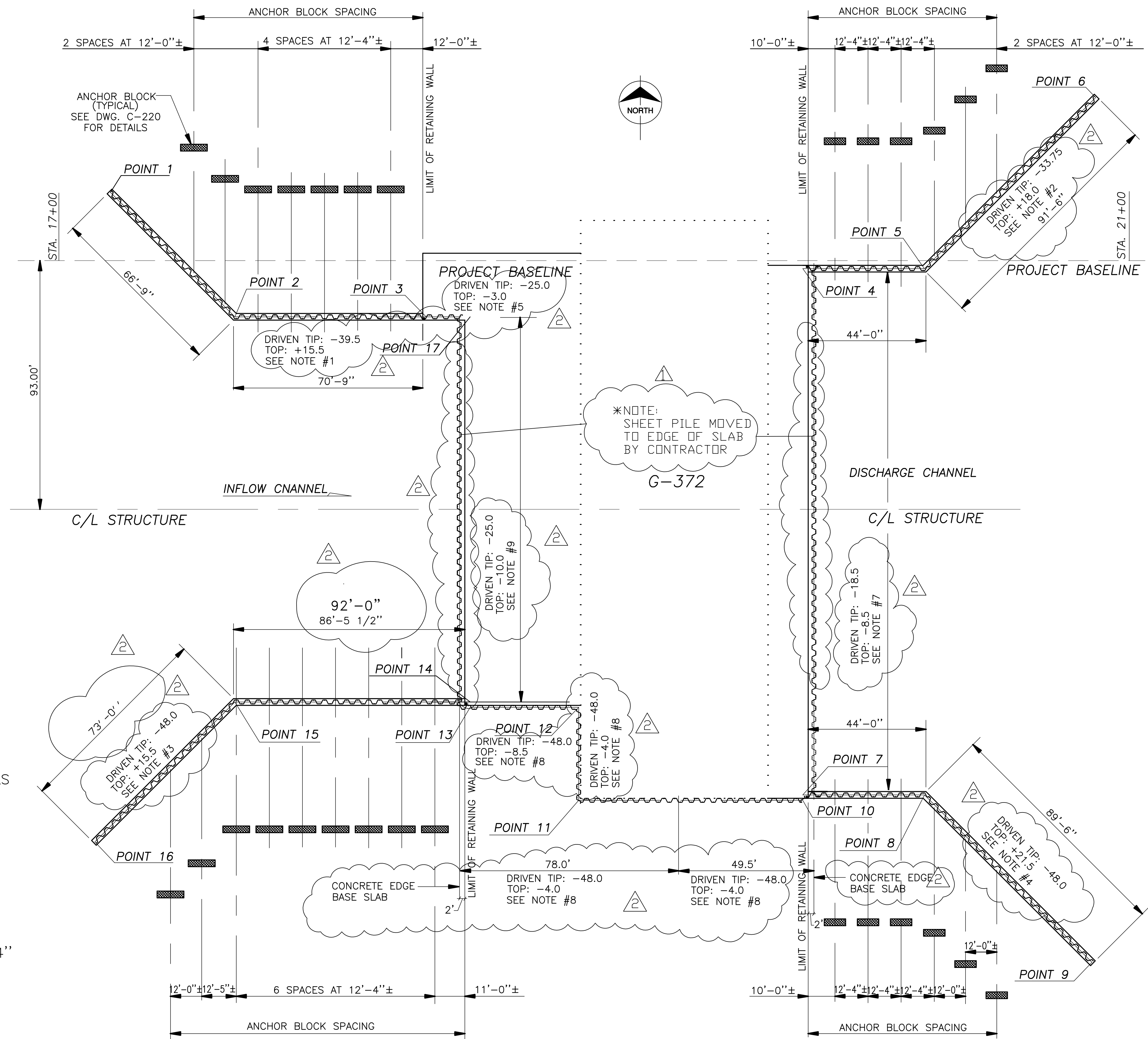
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**SHEET PILE & DRIVING NOTES**

- ALL SHEET PILING SHALL BE ARBED AZ 36 OR EQUAL BETWEEN POINTS 1 THRU 3 (NORTHWEST INFLOW CHANNEL RETAINING WALL) AND BE DRIVEN TO A TIP EL. OF -39.5 TOP OF SHEET PILING, EL. 15.5.
- ALL SHEET PILING SHALL BE ARBED AZ 36 OR EQUAL BETWEEN POINTS 4 THRU 6 (NORTHEAST DISCHARGE CHANNEL RETAINING WALL) AND BE DRIVEN TO A TIP EL. OF -33.75 TOP OF SHEET PILING, EL. 18.0.
- ALL SHEET PILING SHALL BE ARBED AZ 36 OR EQUAL BETWEEN POINTS 14 THRU 16 (SOUTHWEST INFLOW CHANNEL RETAINING WALL) AND BE DRIVEN TO A TIP EL. OF -48.0. TOP OF SHEET PILING, EL. 15.5.
- ALL SHEET PILING SHALL BE ARBED AZ 36 OR EQUAL BETWEEN POINTS 7 THRU 9 (SOUTHEAST DISCHARGE CHANNEL RETAINING WALL) AND BE DRIVEN TO A TIP EL. OF -48.0. TOP OF SHEET PILING, EL. 21.5.
- ALL SHEET PILING SHALL BE ARBED AZ 18 OR EQUAL UNDER STRUCTURE BASE SLAB BETWEEN POINTS 3 AND 17 AND BE DRIVEN TO A TIP EL. OF -25.0. TOP OF SEEPAGE SHEET PILING, EL. -3.0.
- ALL SHEET PILING SHALL BE ARBED AZ 18 OR EQUAL UNDER STRUCTURE BASE SLAB BETWEEN POINTS 14 AND 17 AND BE DRIVEN TO A TIP EL. OF -25.0. TOP OF SEEPAGE SHEET PILING, EL. -15.0.
- ALL SHEET PILING SHALL BE ARBED AZ 18 OR EQUAL UNDER STRUCTURE BASE SLAB BETWEEN POINTS 4 AND 7 AND BE DRIVEN TO A TIP EL. OF -18.5. TOP OF SEEPAGE SHEET PILING, EL. -8.5.
- ALL SHEET PILING SHALL BE ARBED AZ 18 OR EQUAL OUTSIDE OF STRUCTURE BETWEEN POINTS 10 THRU 13 AND BE DRIVEN TO A TIP EL. OF -48.0. TOP OF SHEET PILING SHALL BE DRIVEN AND CUT-OFF AT THE SAME ELEVATION AS THE TOP OF THE ADJACENT BASE SLAB.
- GROUND LINE AT THE TIME OF DRIVING ALL SHEET PILING (INCLUDING ALL CHANNEL RETAINING WALLS) WILL BE AT THE EXCAVATION LINE (-10.0)
- PROVIDE TEMPORARY BRACING FOR ALL CHANNEL RETAINING WALLS PRIOR TO START OF BACKFILLING OPERATION. BRACING SHALL REMAIN IN PLACE UNTIL BACKFILLING AND ANCHOR BLOCKS ARE IN PLACE.

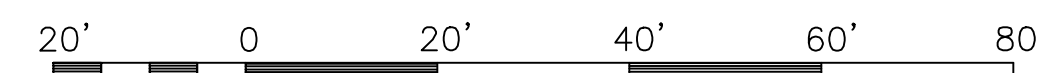
**SHEET PILE NOTES**

- HOLES CUT IN STEEL SHEET PILING FOR PASSING REINFORCING BARS SHALL NOT EXCEED 2"Ø. WHERE HOLES FALL WITHIN THE WEB OF THE STEEL SHEET PILE, THE HOLE SHALL BE SLOTTED 4" HORIZONTALLY TO ACCOMODATE PASSING THE REINFORCING BARS.
- ANY SUBSTITUTIONS SHALL BE SUBMITTED TO THE CONTRACT REPRESENTATIVE FOR APPROVAL.
- STEEL SHEET PILE SURFACE PREPARATION AND PAINTING SHALL BE IN ACCORDANCE WITH SECTION 02365 AND 09900 OF THE SPECIFICATIONS.
- ALL SHEET PILE BUILD-UP SECTIONS AND CONNECTION PARTS SHALL BE WELDED AS SHOWN ON DET-6 DWG. NO. C-117 AND DET-8 DWG. NO. C-219.
- HANDRAILS SHALL BE VERTICAL AND CONTINUOUS ALONG THE TOP OF THE SHEET PILE WALL CAP. SEE TYPICAL DETAIL DWG. NO. S-6 FOR HANDRAILS.



**PLAN  
RETAINING WALL TIE-BACK**

SCALE: 1" = 20'



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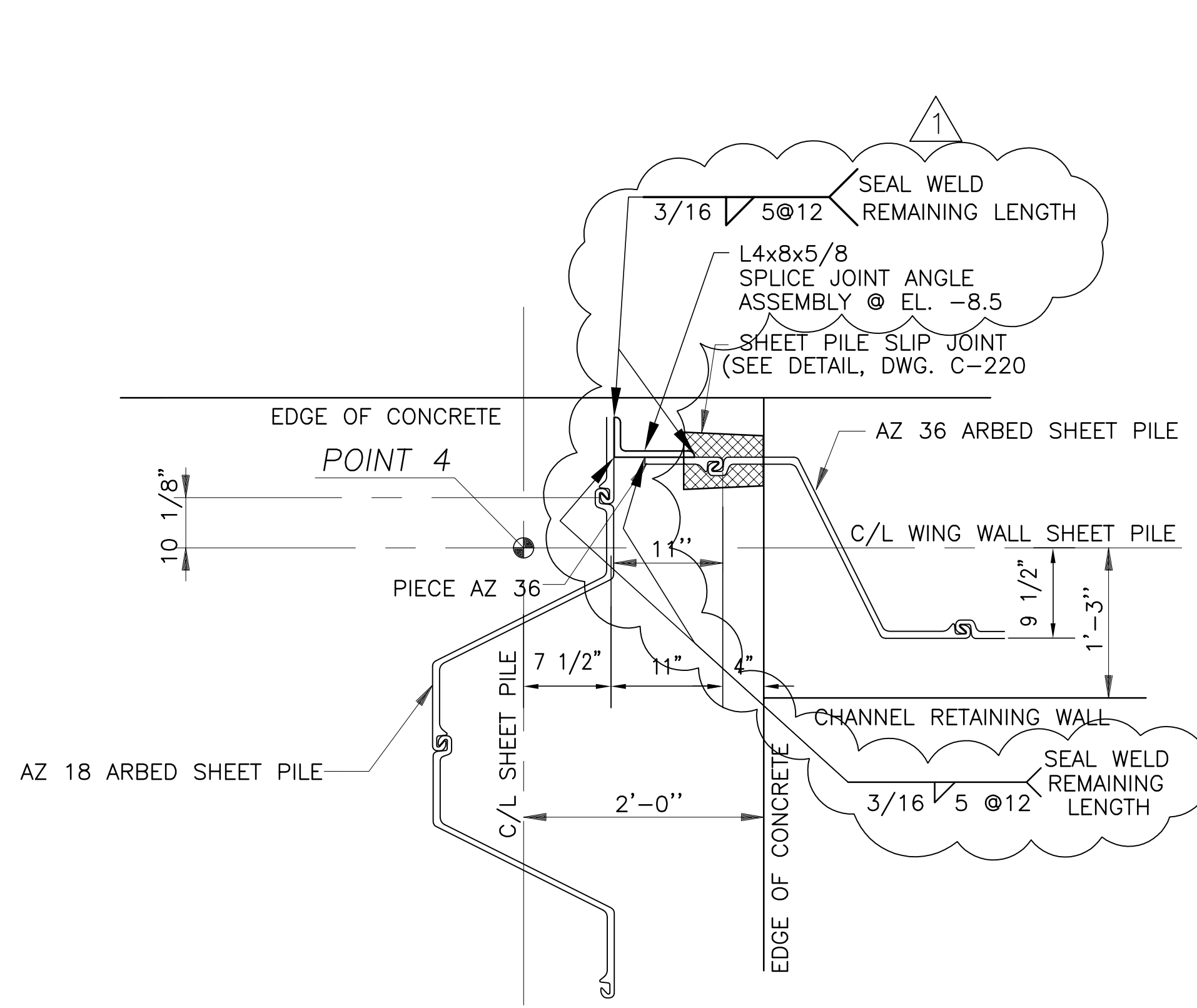
Scale For Microfilming  
Inches  
Millimeters

<p><b>Brown Cunningham Gannuch</b> ENGINEERS • ARCHITECTS • CONSULTANTS 2701 KANSAS ST. METairie, LA 70006 License No. EB00008095</p>	
<p><b>Burns &amp; McDonnell</b> 9400 WARD PARKWAY SUITE 1333 KANSAS CITY, MO. 64114 Certification EB0000253 ENR 24930</p>	
<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372 PUMP STATION G-372 SHEET PILING NOTES &amp; DETAILS</p>	
<p>SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>	
<p>Contract No. C-E304 Dwg. No. C-217</p>	

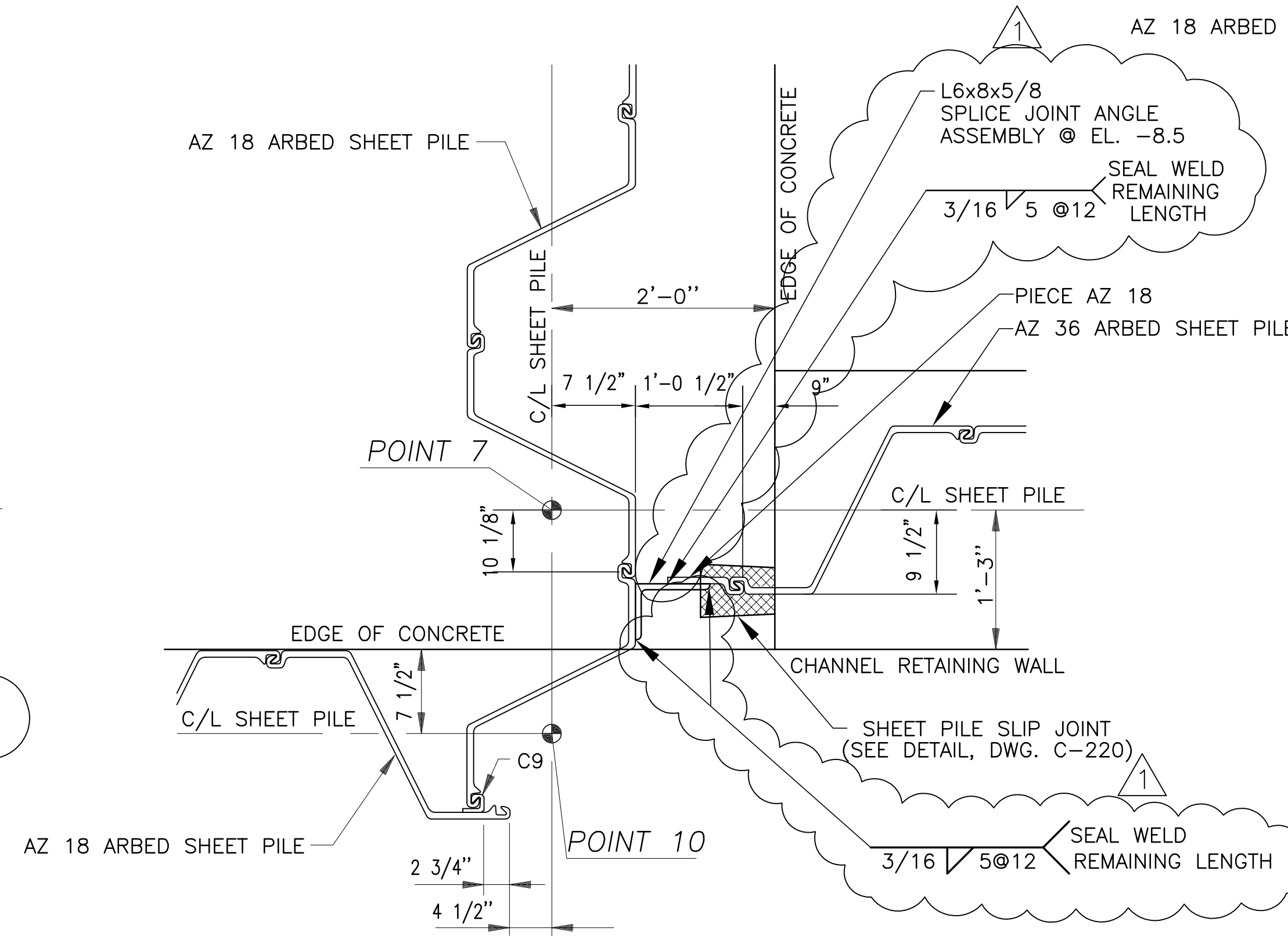
Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545



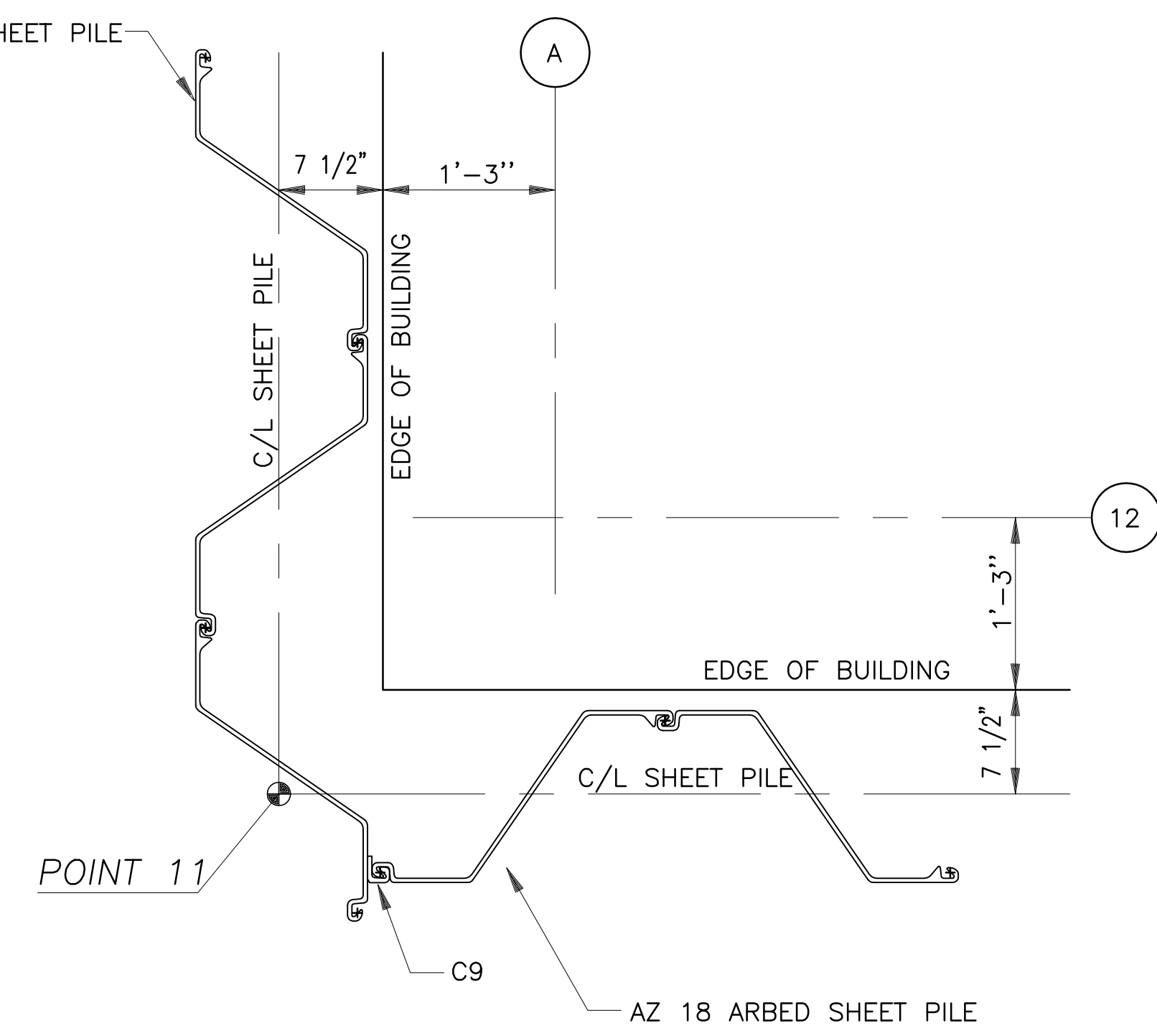




**DETAIL 4**  
C-216 | C-218  
SCALE IN FEET



**DETAIL 5**  
C-216 | C-218  
SCALE IN FEET



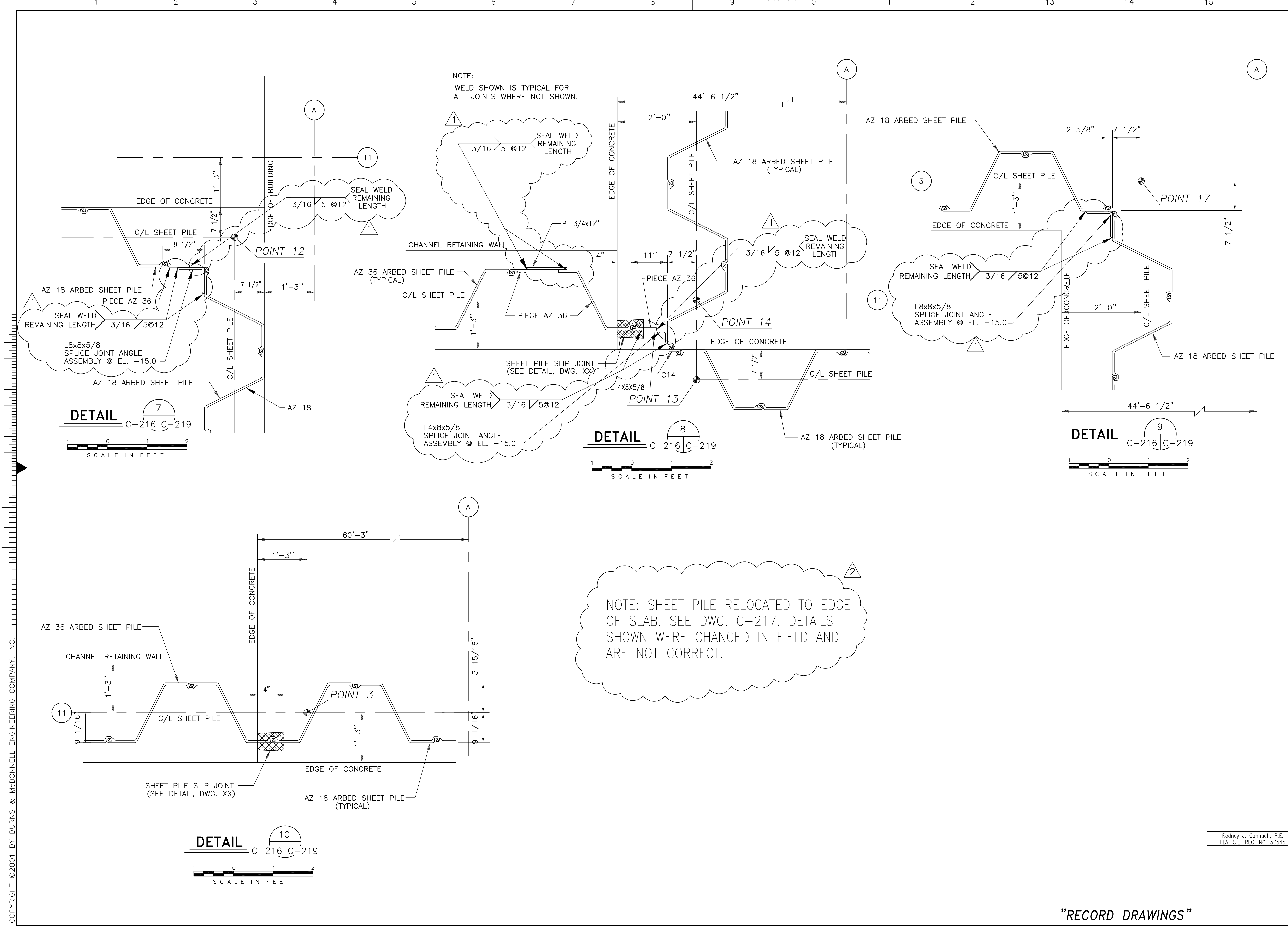
**DETAIL 6**  
C-216 | C-218  
SCALE IN FEET

NOTE: SHEET PILE RELOCATED TO EDGE OF SLAB. SEE DWG. C-217. DETAILS SHOWN WERE CHANGED IN FIELD AND ARE NOT CORRECT.

<p><b>Brown Cunningham Gannuch</b> ENGINEERS ARCHITECTS CONSULTANTS METairie, LOUISIANA 70006 (504) 454-3866 License No. EB00008095</p>		<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>CHKD</th> <th>DATE</th> <th>REVISIONS</th> </tr> <tr> <td>1</td> <td>7-15-04</td> <td>EJM</td> <td></td> <td>REVISED PER FIELD CHANGE</td> </tr> <tr> <td>2</td> <td>6-29-01</td> <td>KG</td> <td></td> <td>REVISED PER ADDENDUM NO.3</td> </tr> </table>	NO.	DATE	CHKD	DATE	REVISIONS	1	7-15-04	EJM		REVISED PER FIELD CHANGE	2	6-29-01	KG		REVISED PER ADDENDUM NO.3
NO.	DATE	CHKD	DATE	REVISIONS													
1	7-15-04	EJM		REVISED PER FIELD CHANGE													
2	6-29-01	KG		REVISED PER ADDENDUM NO.3													
<p>DRAWN CHKD DESIGN R/G</p>	<p>BHD EJM DER R/G</p>	<p>DATE 5/10/2001</p>															
<p><b>Burns &amp; McDonnell</b> SINCE 1888 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certification: ER0000253 BUD30</p>		<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372 PUMP STATION G-372 SHEET PILING DETAILS</p>															
<p><b>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</b> EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>		<p>CONTRACT NO. C-E304 DWG. NO. <b>C-218</b></p>															

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

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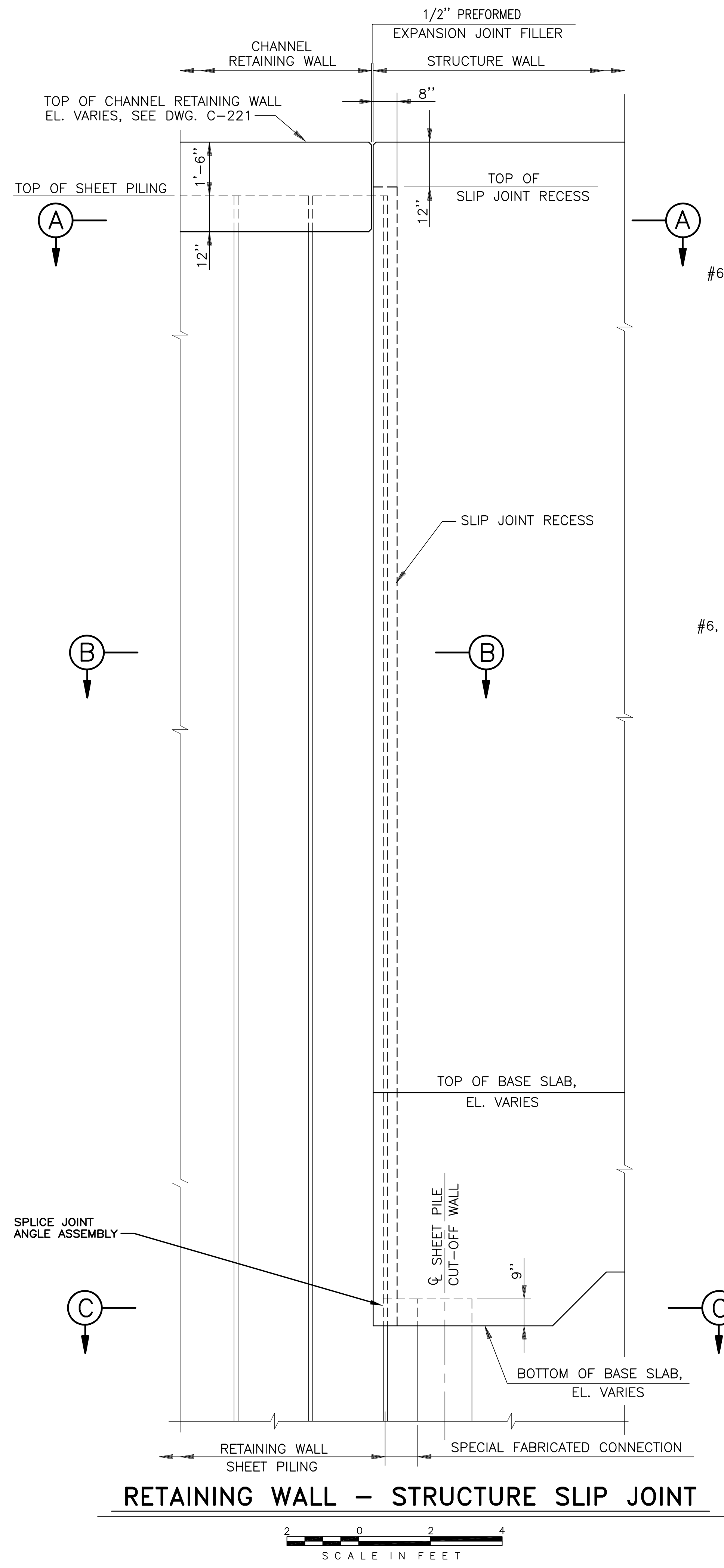
		<b>BURNS &amp; MCDONNELL</b> <small>SINCE 1888</small> 9400 WARD PARKWAY KANSAS CITY, MO. 64114 Certificate: ER0000253 Bldg. 24930	
DRAWN BHD	CHKD CHKO	DESIGN DER	REVISED PER ADDENDUM NO.3 DATE 5/10/2001
<b>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</b> EVERGLADES CONSTRUCTION PROJECT PUMP STATION G-3782 SHEET PILING DETAILS			
PROJECT EVERGLADES CONSTRUCTION PROJECT PUMP STATIONS G-370 & G-372 PUMP STATION G-3782 SHEET PILING DETAILS			
CONTRACT NO. C-E304 DWG. NO. <b>C-219</b>			

"RECORD DRAWINGS"

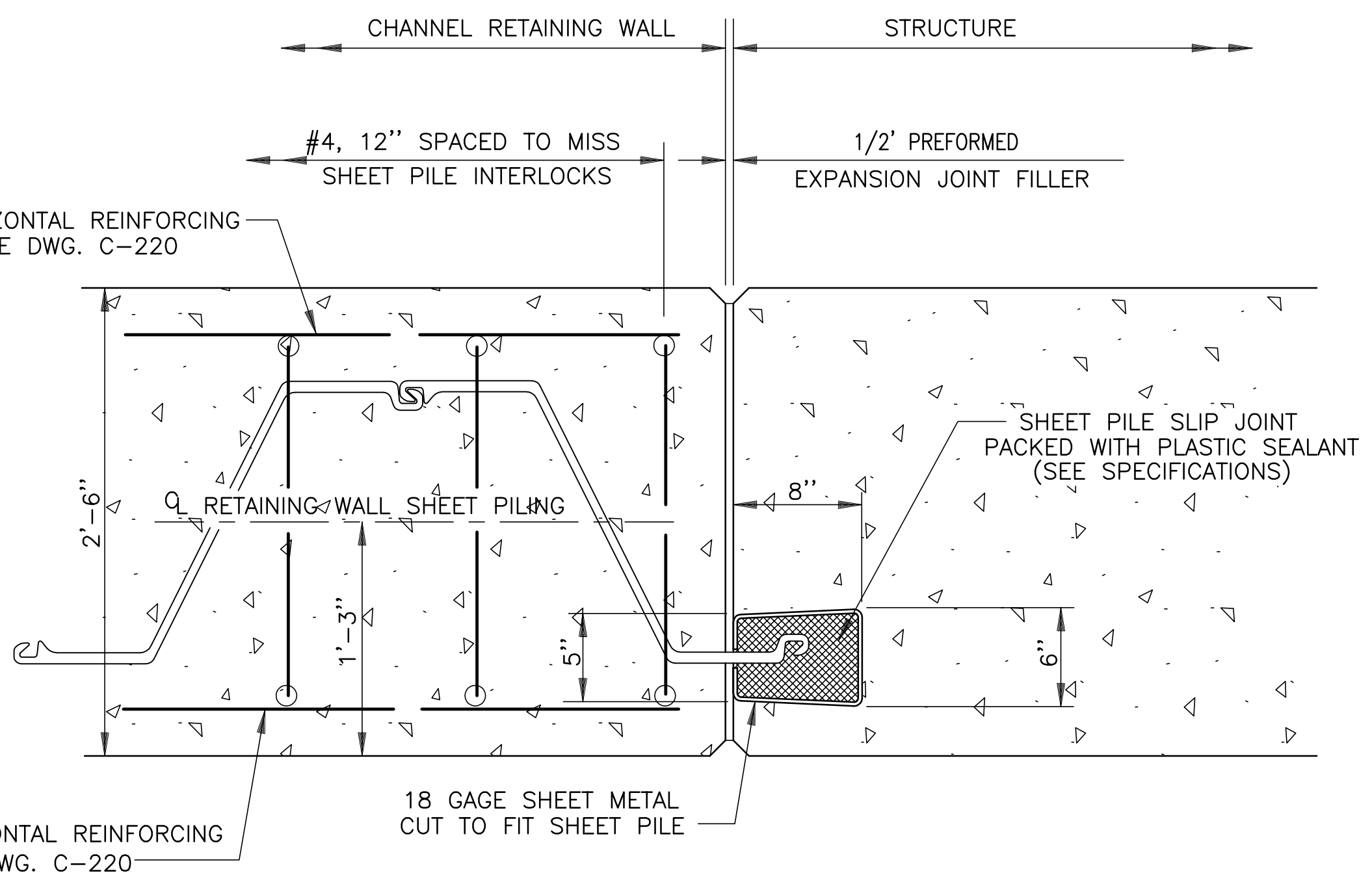


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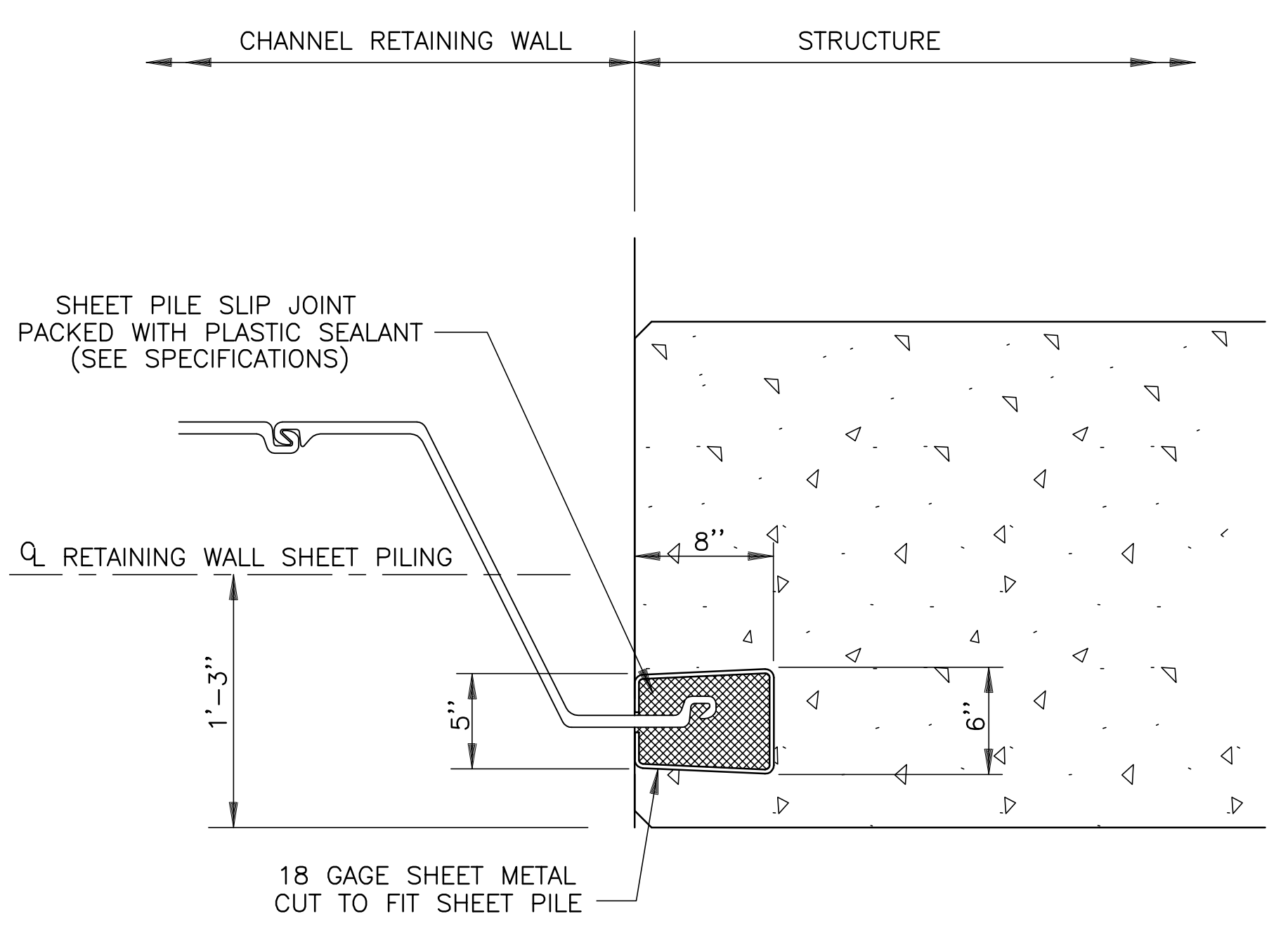
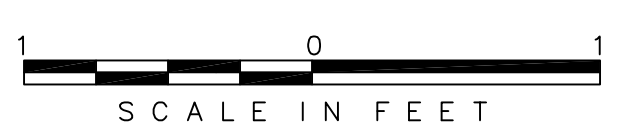
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Inches  
Millimeters



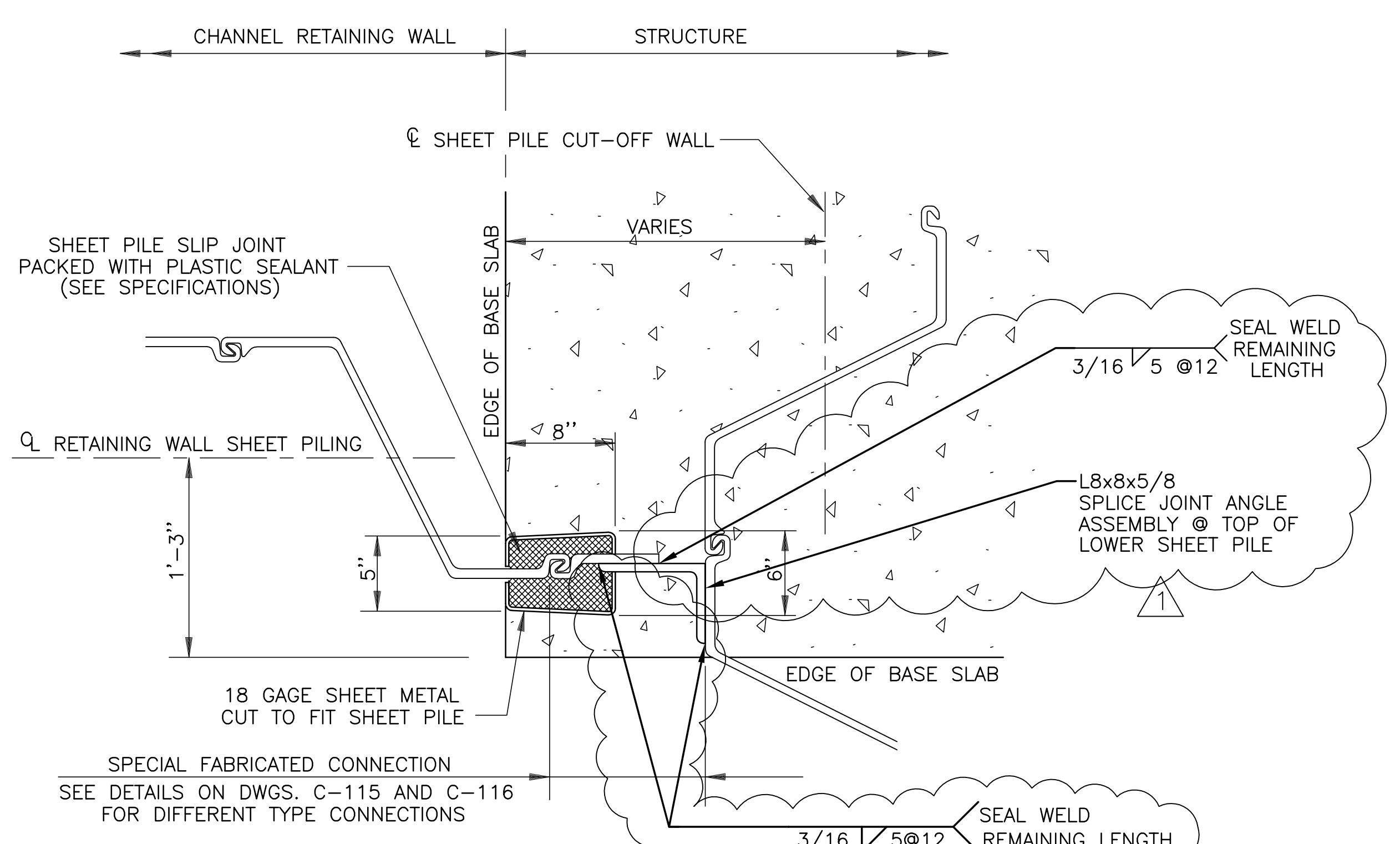
**RETAINING WALL - STRUCTURE SLIP JOINT**



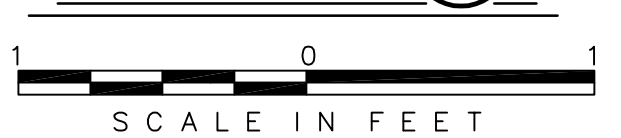
**SECTION A**



**SECTION B**



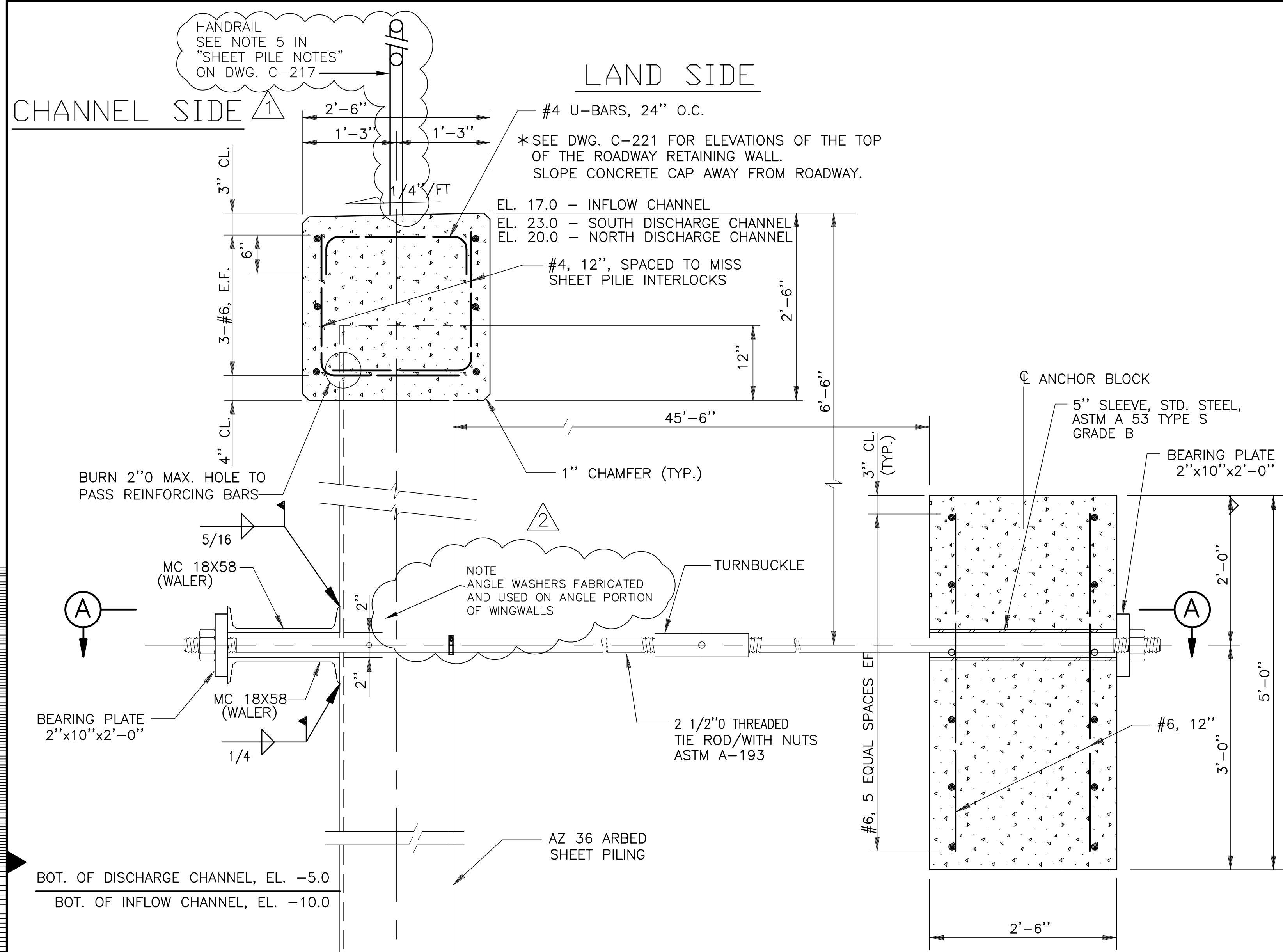
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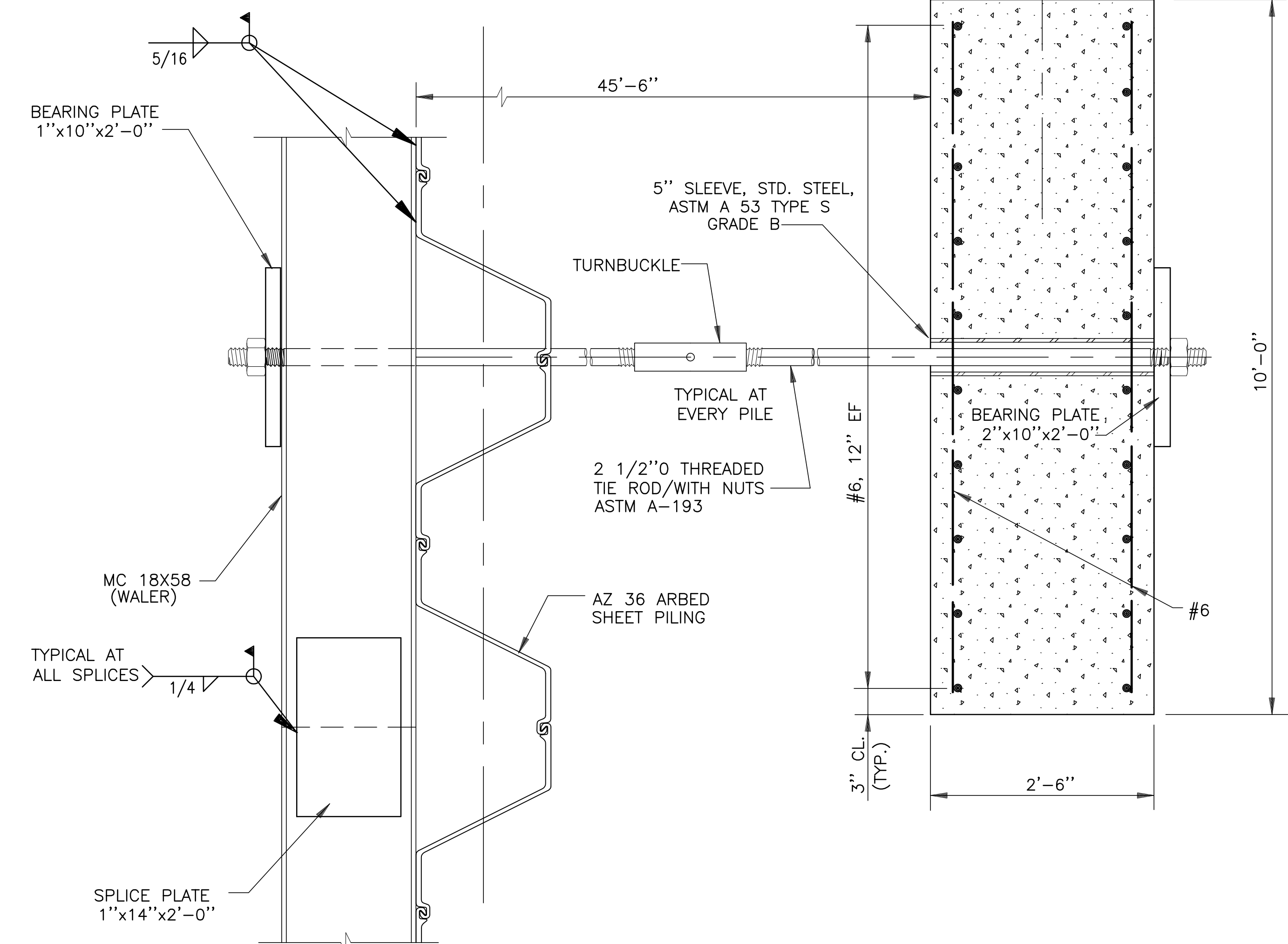
Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

 <b>Brown Cunningham Gannuch</b> <small>ARCHITECTS &amp; CONSULTANTS</small> <small>ENGINEERS</small> <small>7000 METAFRE LOUISIANA</small> <small>NEW ORLEANS, LOUISIANA 70006</small> <small>(504) 454-3866</small> <small>License No. EB00008095</small>	 <b>Burns &amp; McDonnell</b> <small>ENGINEERS</small> <small>9400 WARD PARKWAY</small> <small>KANSAS CITY, MO. 64114</small> <small>Certificate: ER0000253</small> <small>Since 1888</small> <small>ENG. BUDG. 24930</small>	EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372	SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406	PUMP STATION G-372 CHANNEL RETAINING WALLS SLIP JOINT DETAILS	DRAWN: BHD CHKD: CHKO DESIGN: DER R/G: R/G CHKD: CHKO DATE: 5/10/2001	E.I.M.: E.I.M. DER: DER R/G: R/G CHKO: CHKO DATE: 6-29-01 REVISED PER ADDENDUM NO. 3	NO. DWN: CHKO NO. DATE:	REVISIONS
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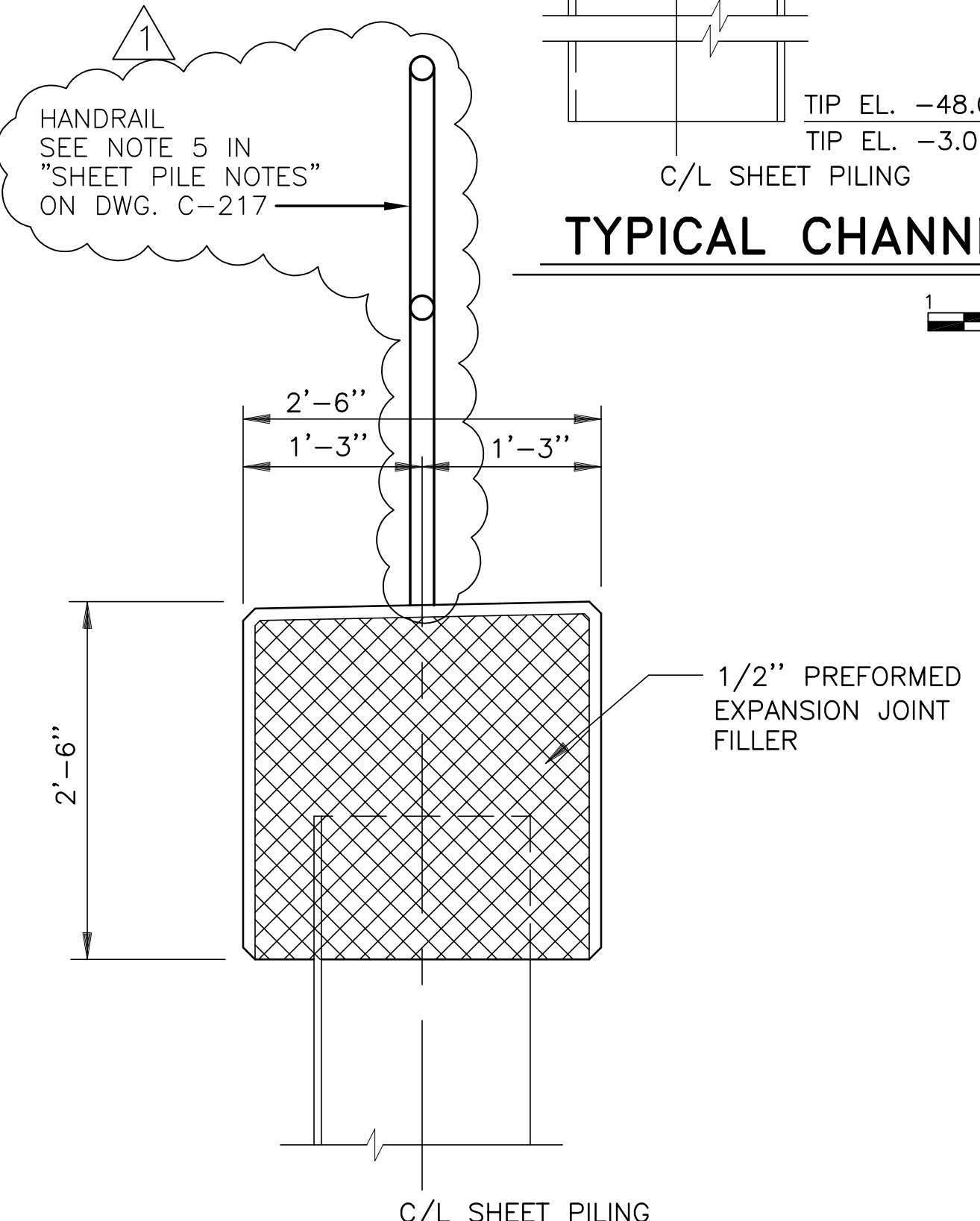
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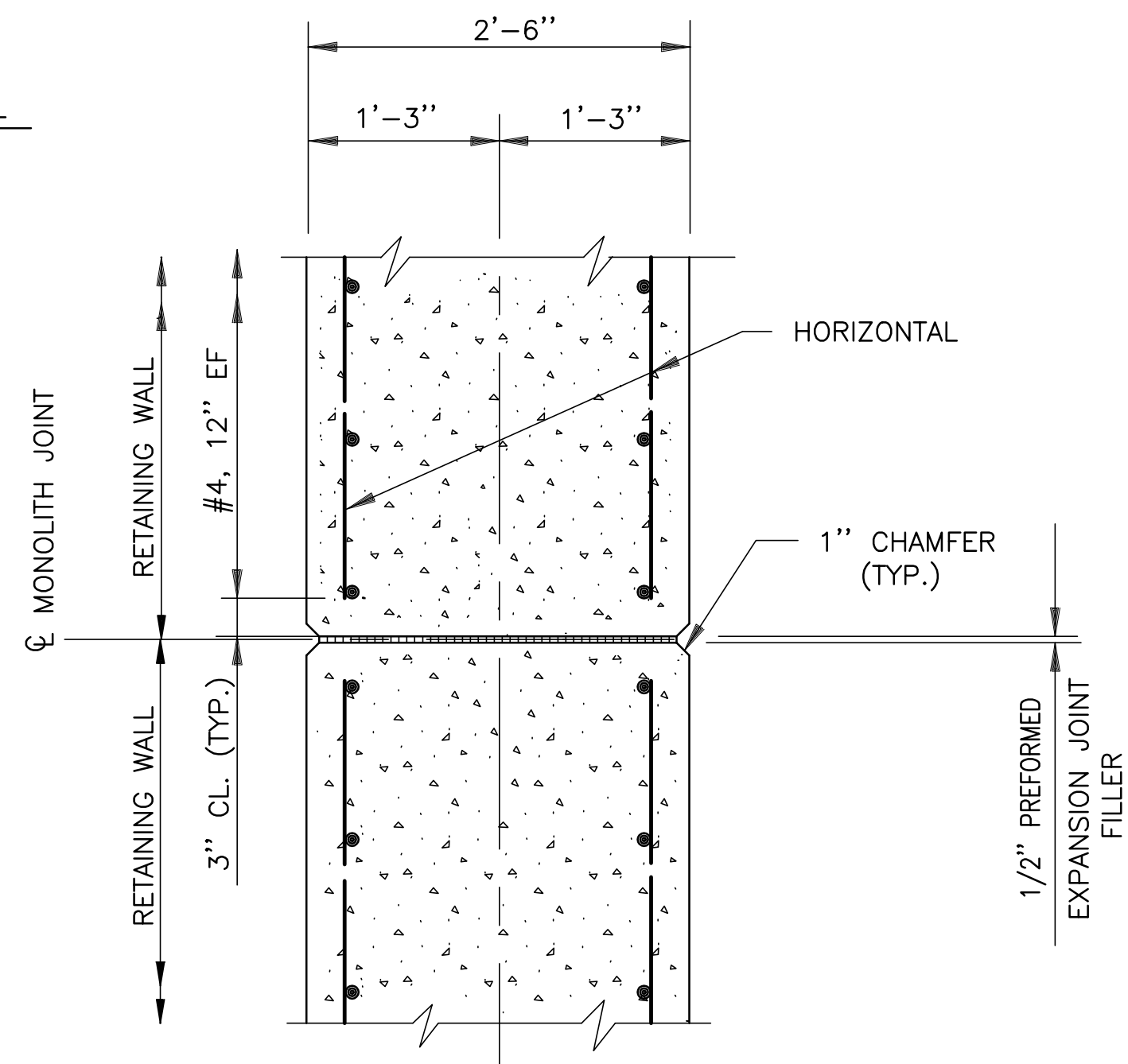
**TYPICAL CHANNEL RETAINING WALL SECTION**



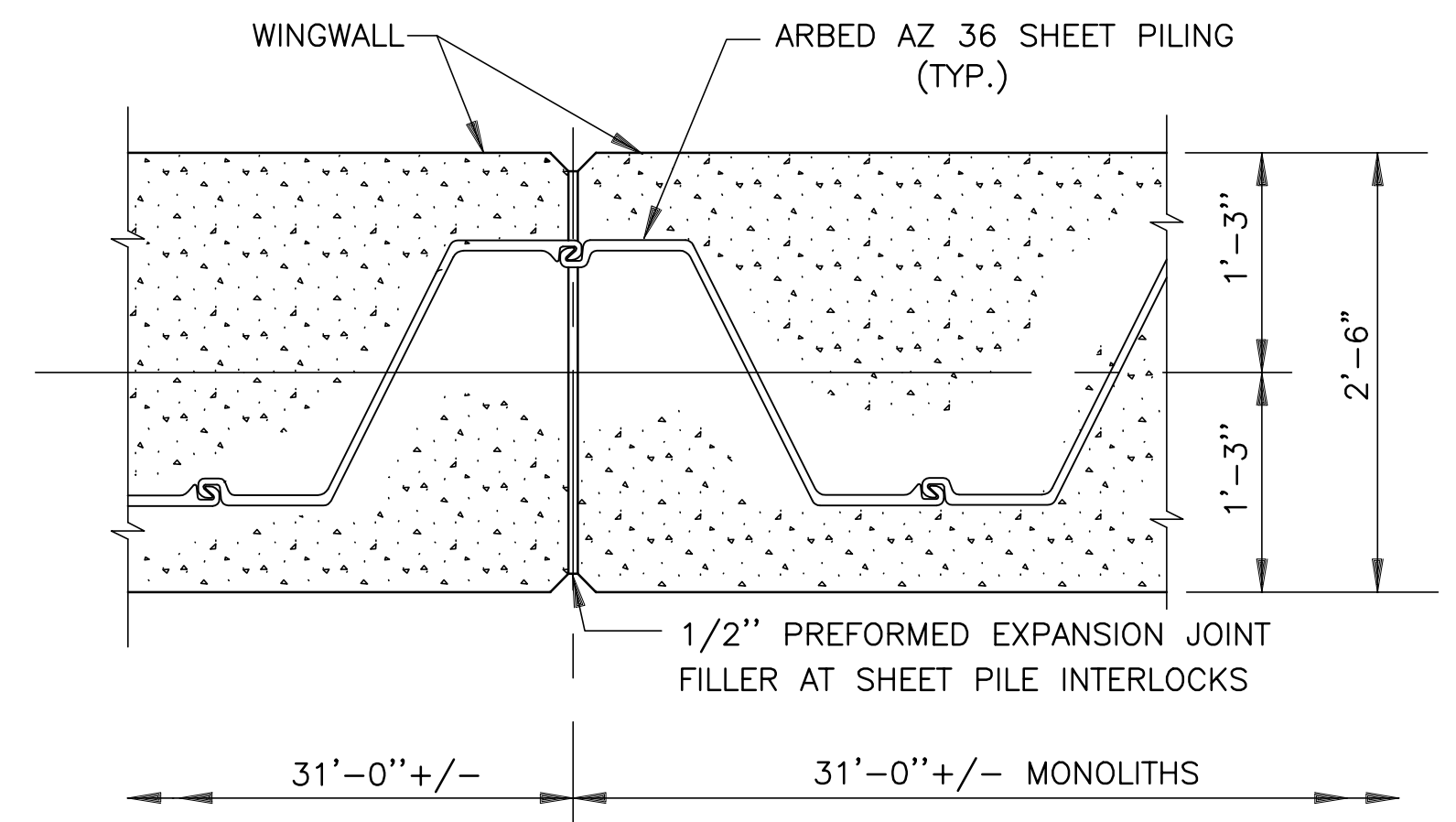
**SECTION A**



**TYPICAL CHANNEL RETAINING WALL JOINT**



**TYPICAL REINFORCEMENT AT MONOLITH JOINT**



**TYPICAL MONOLITH AT SHEET PILE INTERLOCKS**



NOTE:  
RETAINING WALL MONOLITHS SHALL BE 31'-0" +/- UNLESS OTHERWISE INDICATED ON THE PROFILE. EACH MONOLITH SHALL END AT THE CENTER OF THE NEAREST SHEET PILE INTERLOCK.

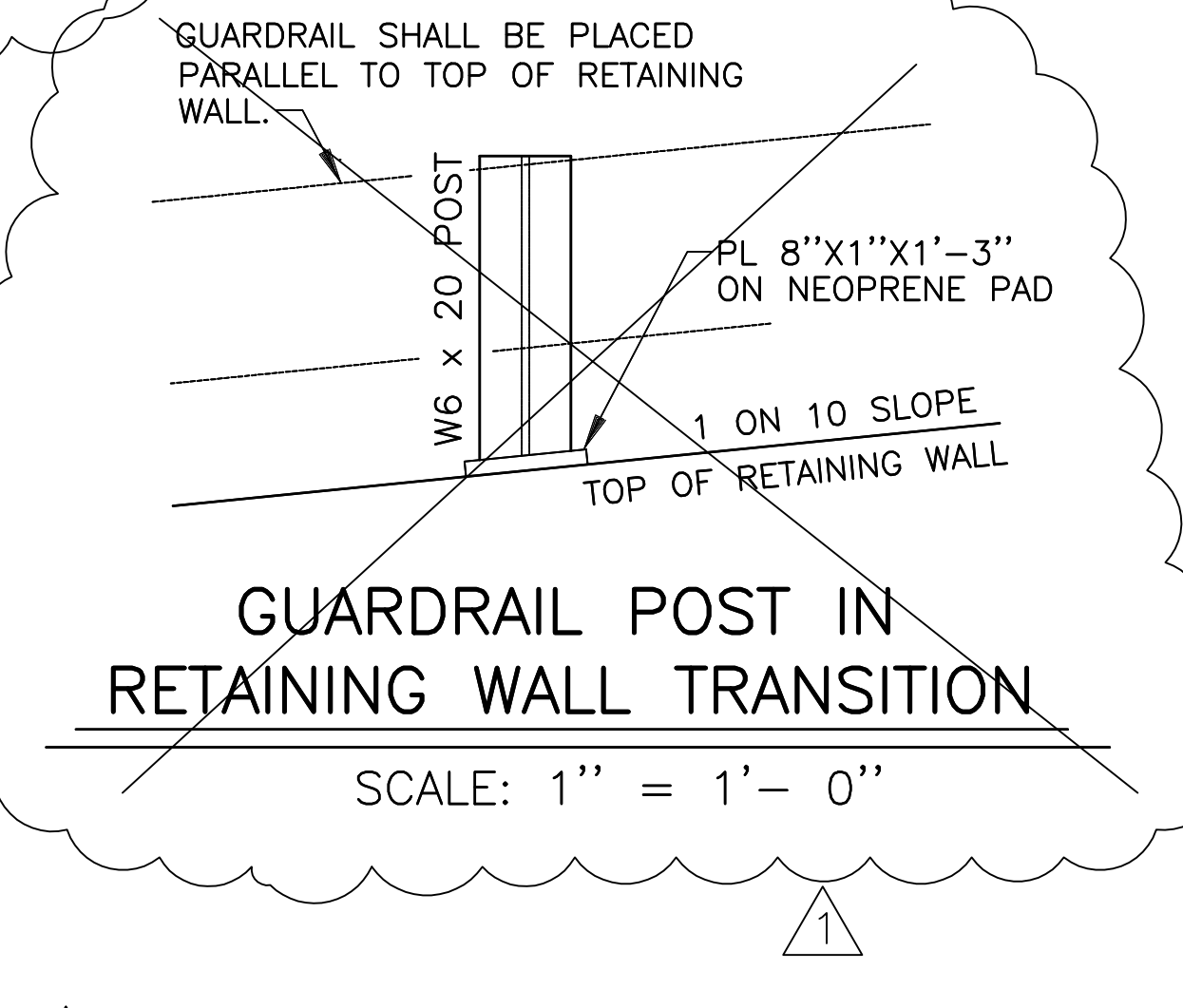
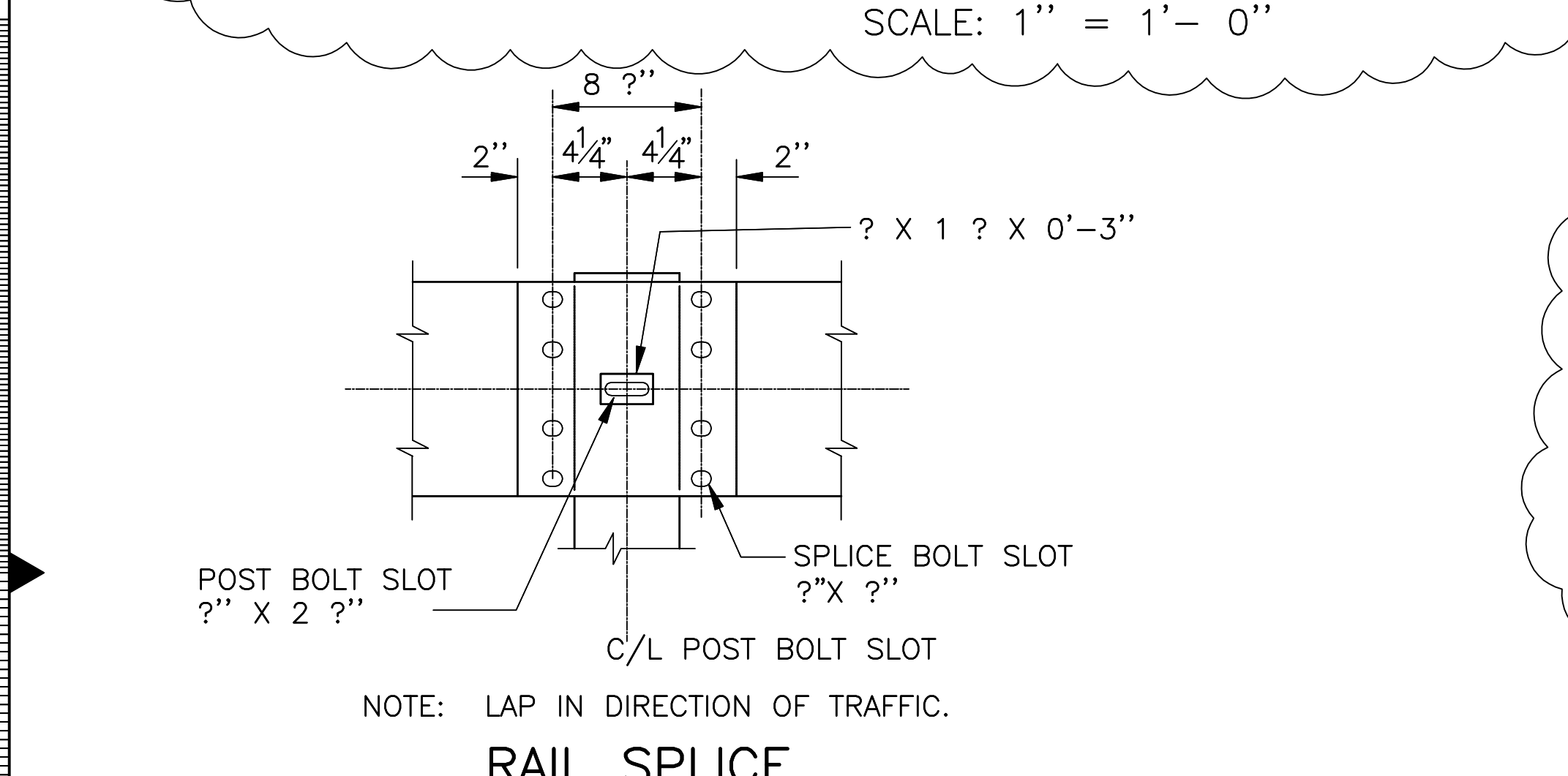
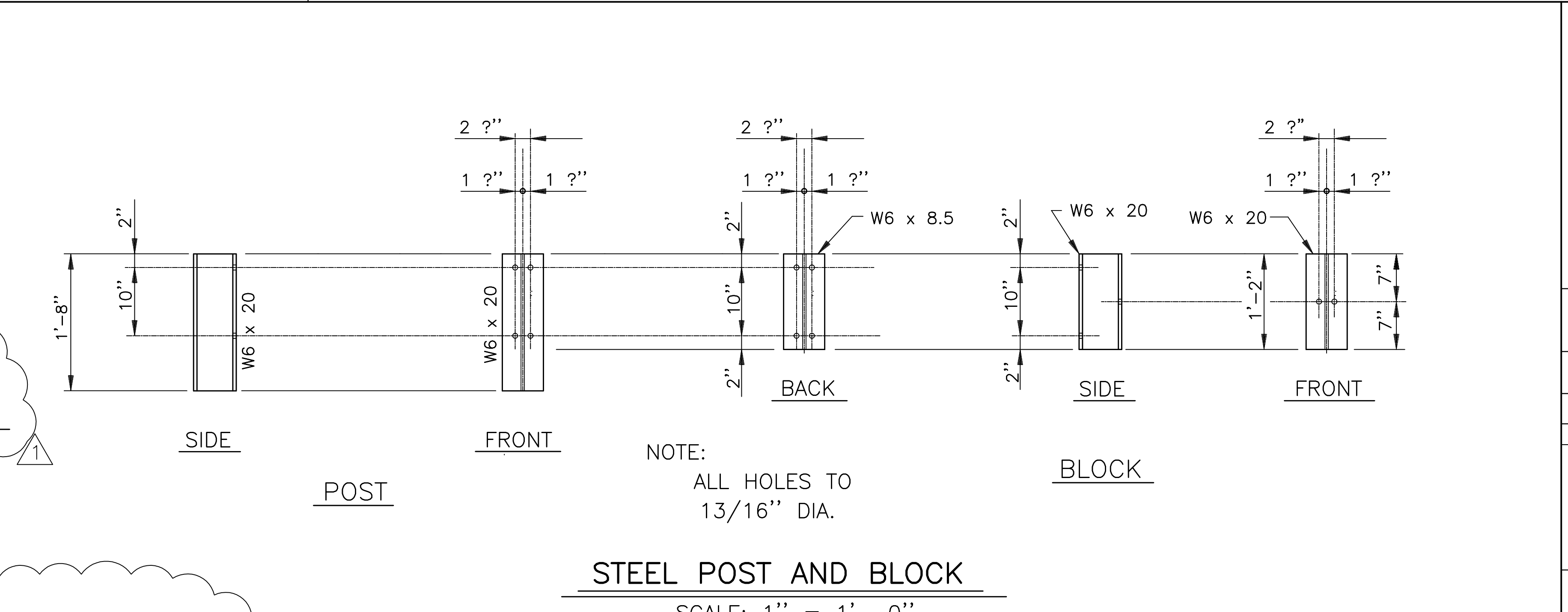
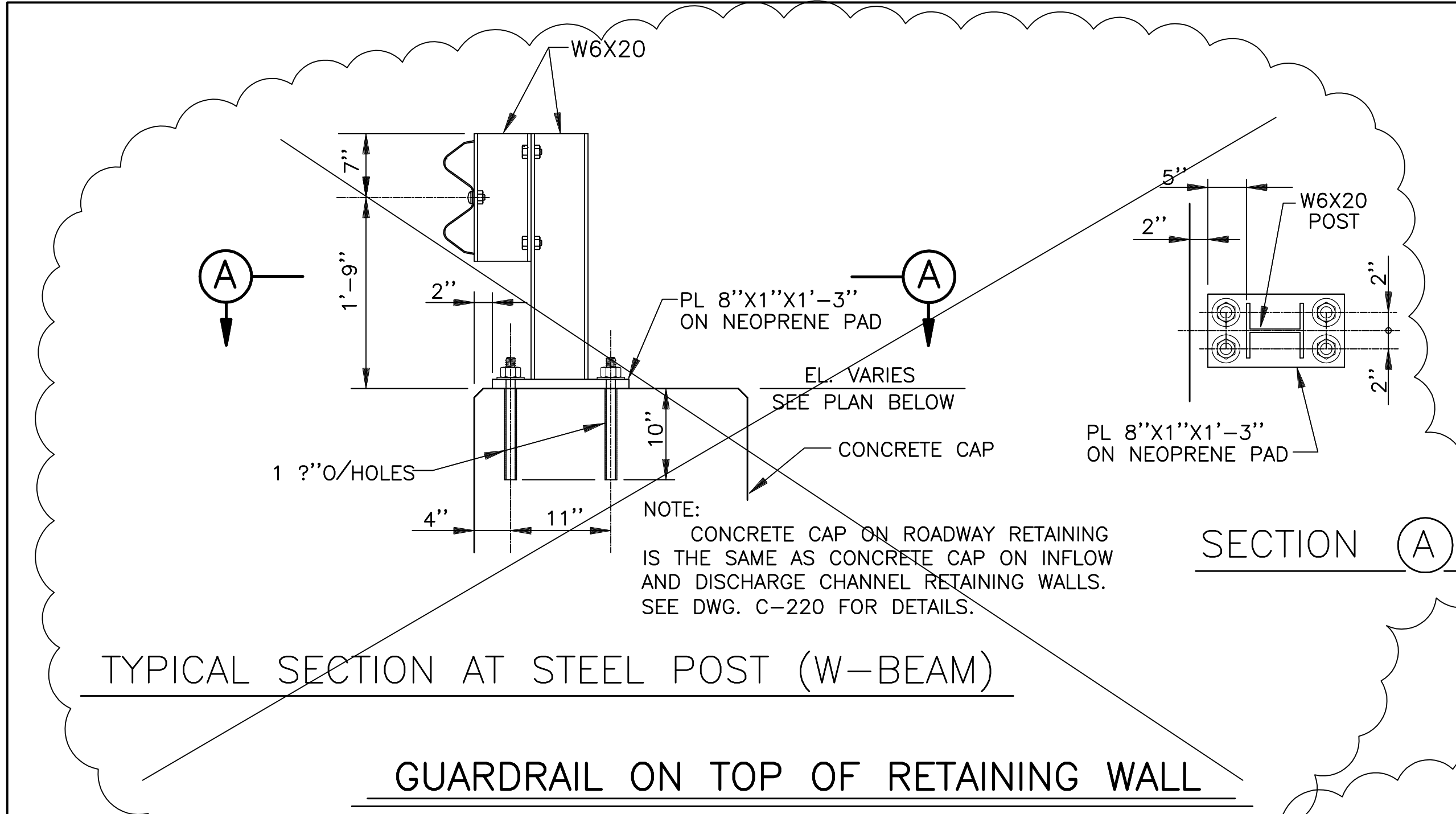
Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

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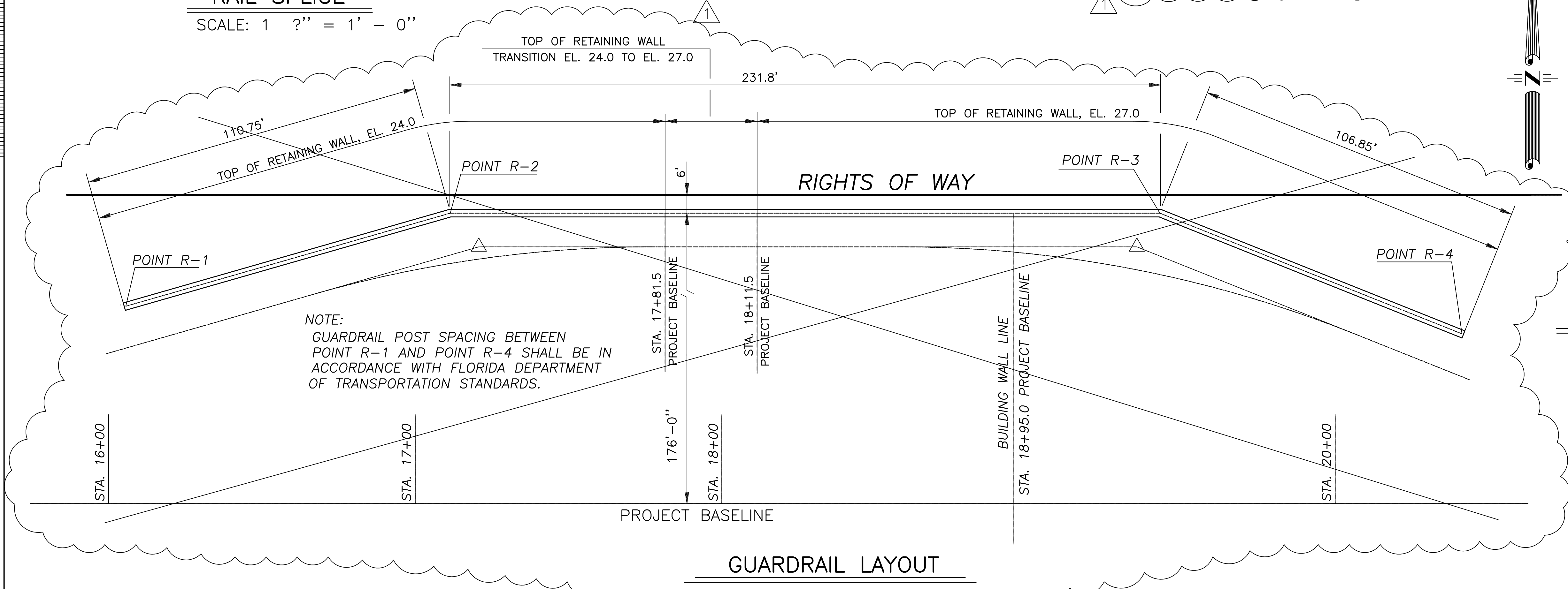
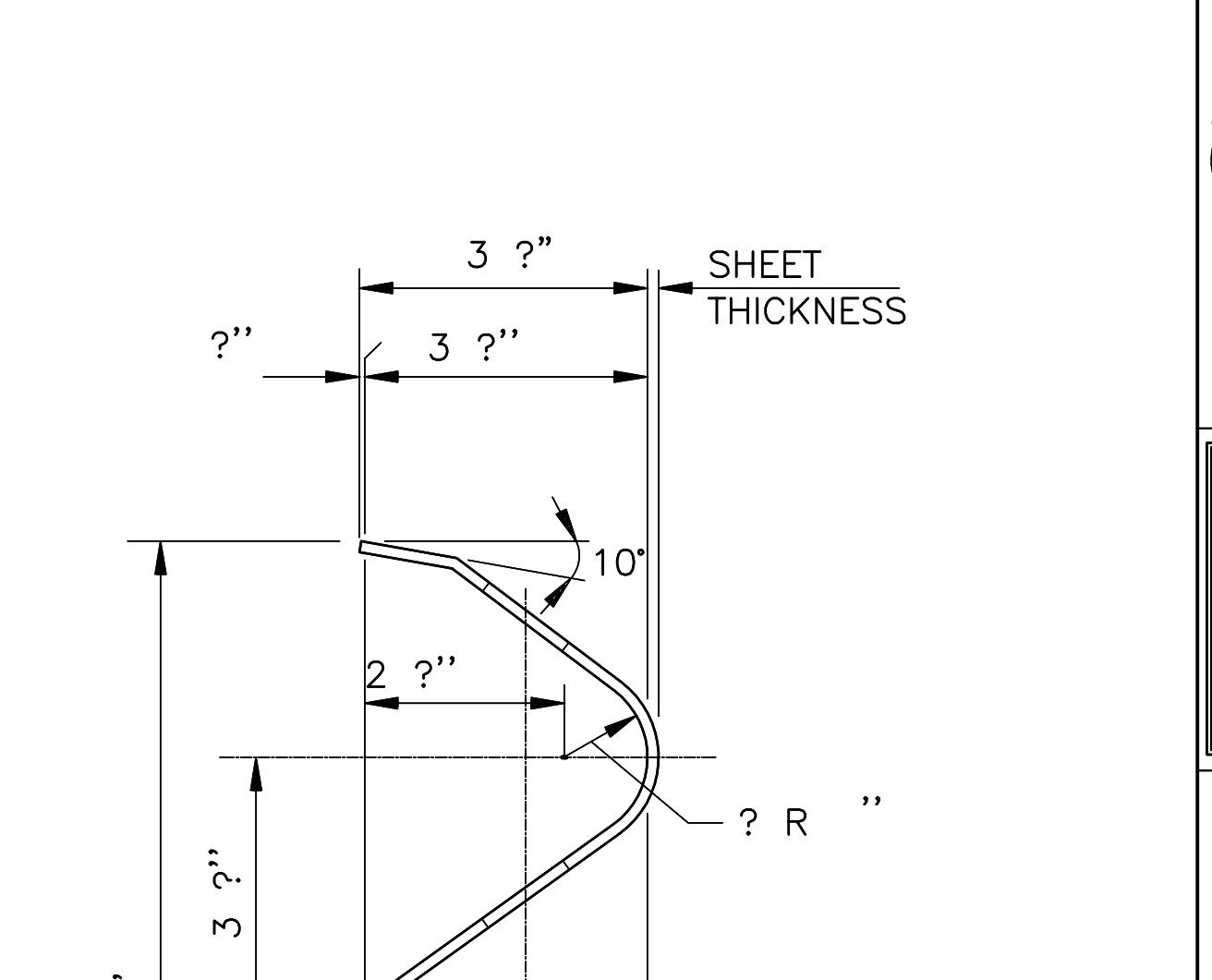
<b>BURNS &amp; MCDONNELL</b> ARCHITECTS & ENGINEERS 9400 WARD PARKWAY KANSAS CITY, MO 64114 (816) 454-3866 License No. EB0000253 BUD		<b>Brown Cunningham Gannuch</b> ARCHITECTS & ENGINEERS CONSULTANTS 5700 GARDNER METairie, LOUISIANA 70006 (504) 454-3866 License No. EB00008095	
DRAWN BHD	CHECKED EJM	DESIGN DER	REVISIONS NO. DATE
EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372		SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406	
CONTRACT NO. C-E304		DWG. NO. C-221	

"RECORD DRAWINGS"



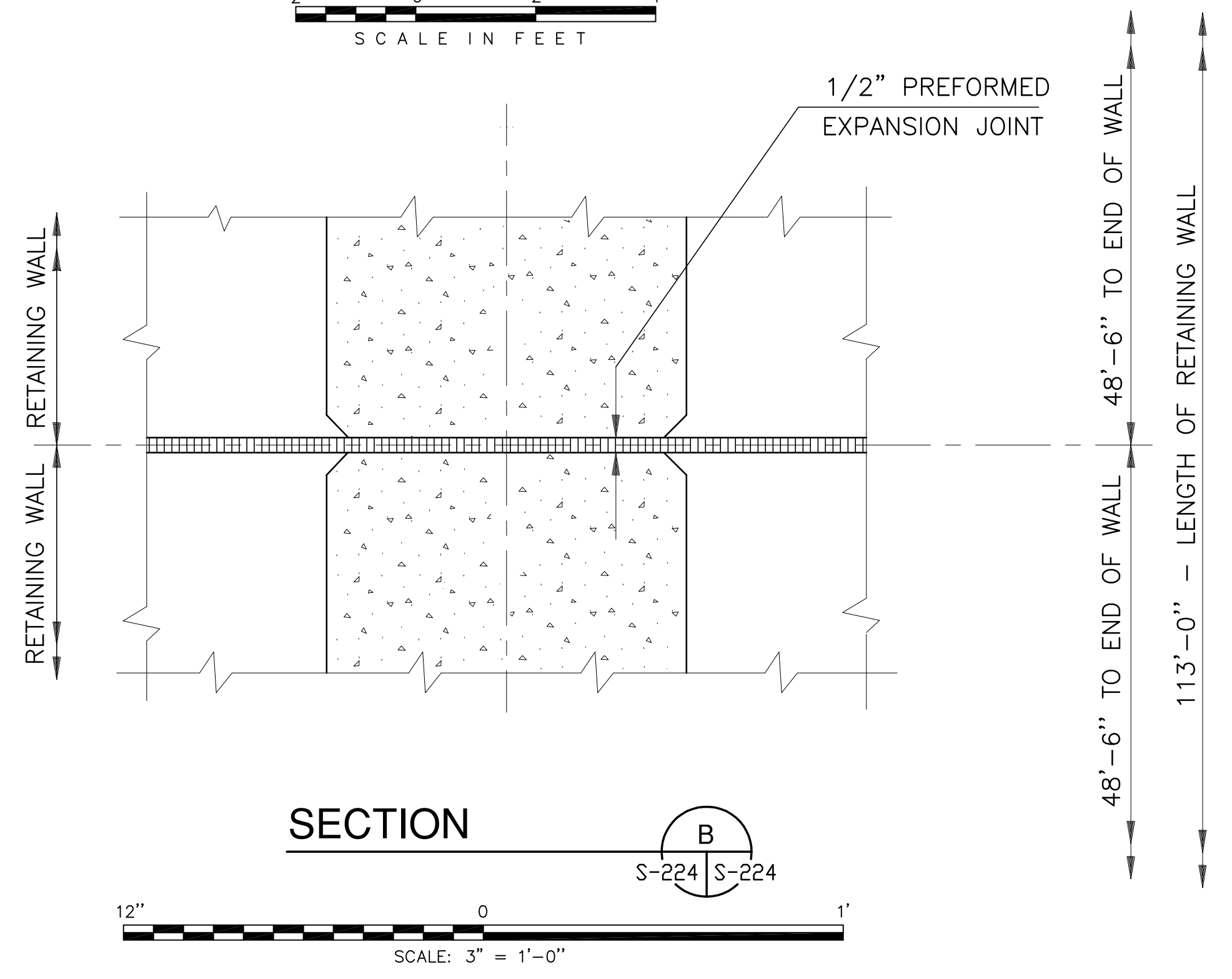
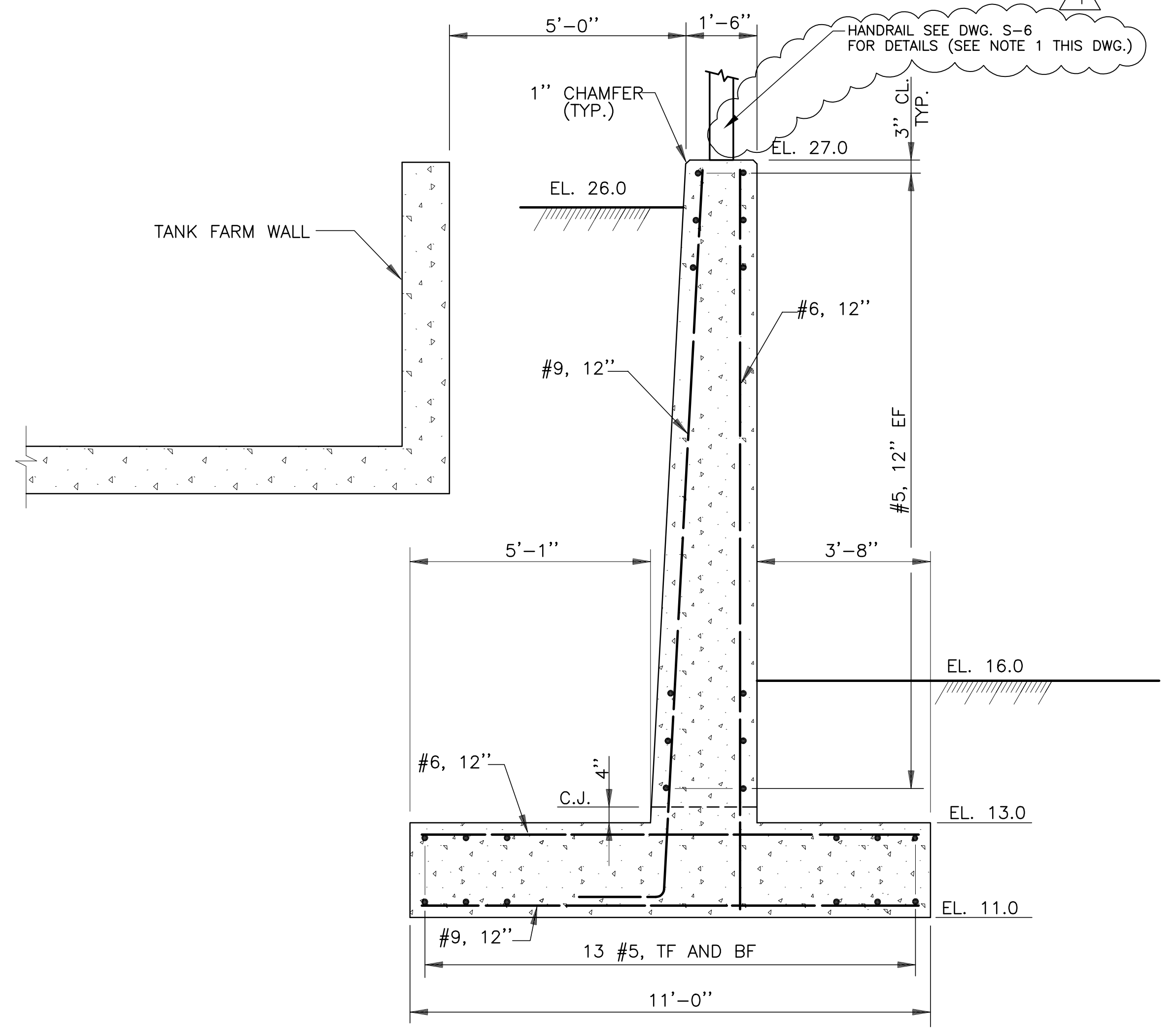
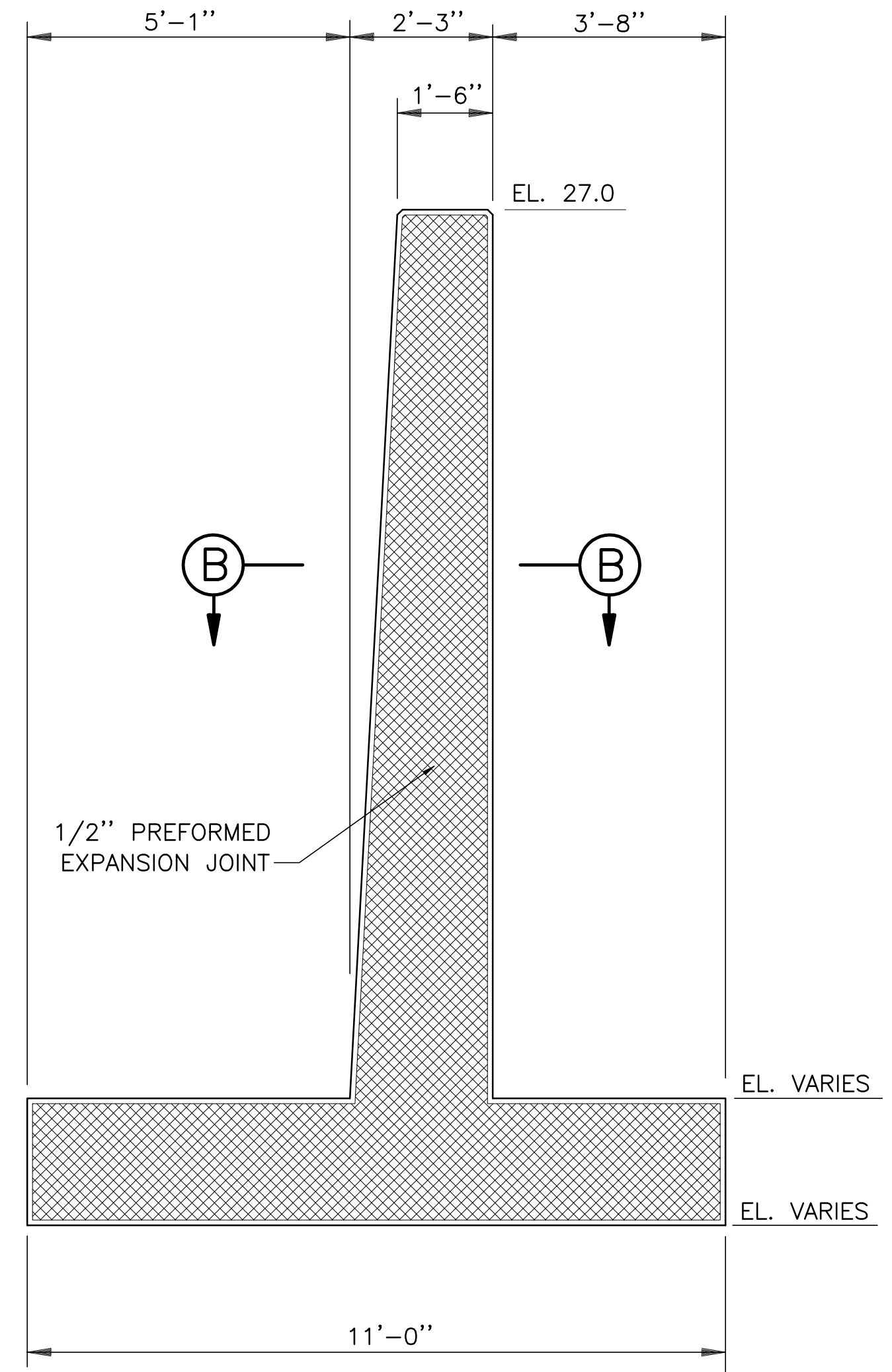
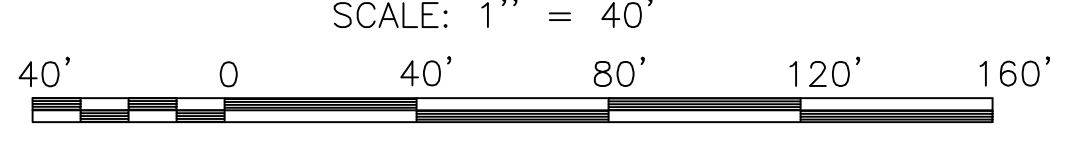
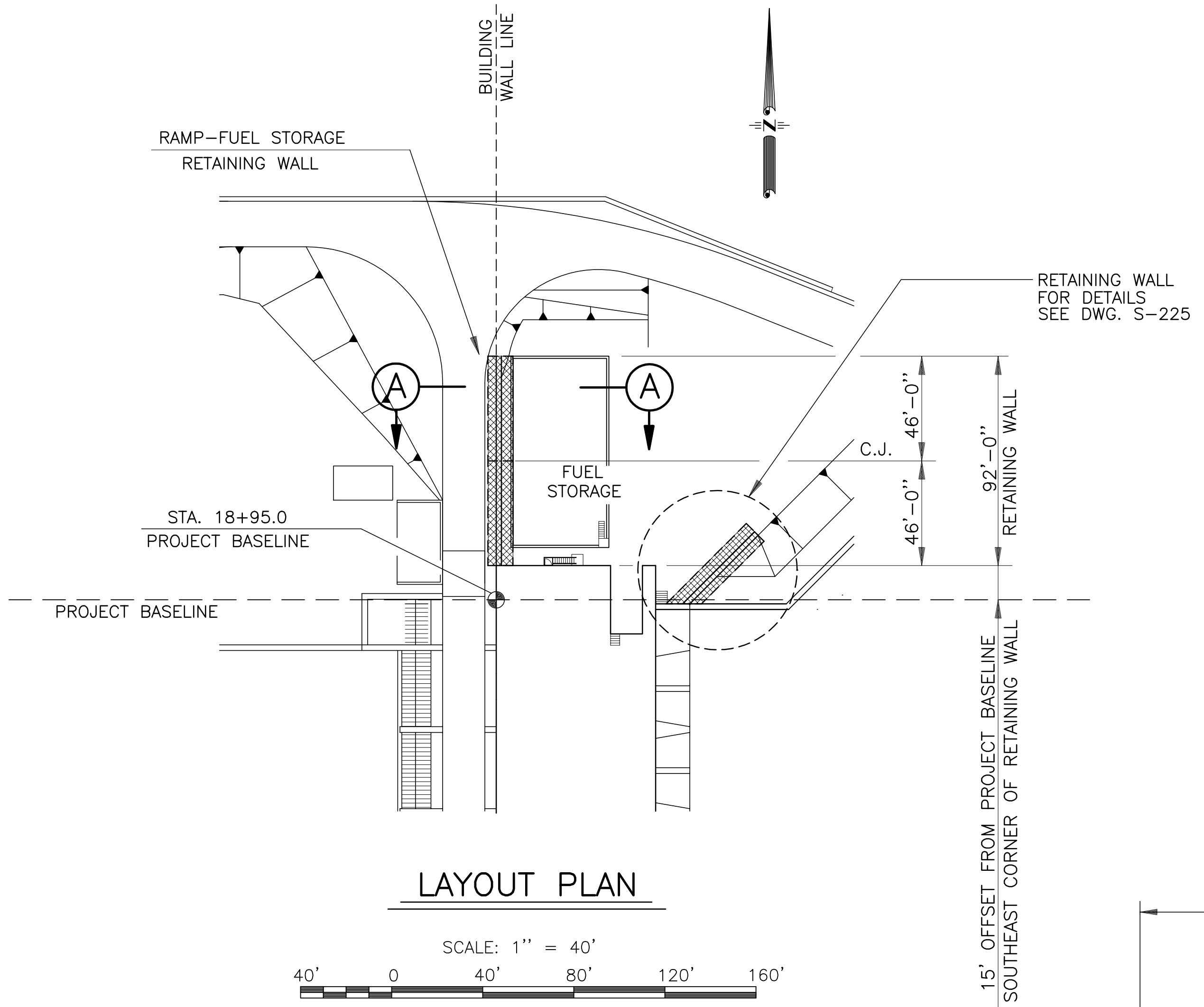


NOTES:  
ALL STEEL POSTS AND BLOCKS SHALL CONFORM TO A.S.T.M. A36 AND SHALL BE GALVANIZED IN ACCORDANCE WITH A.S.T.M. A123. NO PUNCHING, DRILLING OR CUTTING WILL BE PERMITTED AFTER GALVANIZING.  
BOLTS SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. A307 AND NUTS TO THE REQUIREMENTS OF A.S.T.M. A563 GRADE A OR BETTER AND BE GALVANIZED IN ACCORDANCE WITH A.S.T.M. A153.  
REFER TO DRAWING C-214 FOR LOCATION OF GUARDRAIL ON TOP OF NORTH LEVEE AT STATION G-372. REFER TO DRAWING S-128 FOR TYPICAL GUARDRAIL SECTION AND DIMENSIONS.



10 GAGE ( CLASS B WITH TYPE 1 COATING )  
**SECTION THRU RAIL ELEMENT**  
SCALE: 6" = 1'-0"

 ENGINEERS • ARCHITECTS • CONSULTANTS METairie, LOUISIANA 70006 (504) 454-3866 License No. EB00008095	EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 2 PUMP STATIONS G-370 & G-372 RETAINING WALL GUARDRAIL	SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406
DRAWN: JSB CHKD: CHKD DESIGN: DER CHKD: CHKD DATE: 5/10/2001	E.I.M. R.J.C. DATE: 5/10/2001	CONTRACT NO. C-E304 DWG. NO. C-223



- NOTES:**
- ALL HANDRAILING FULL-LENGTH ATOP OF ALL CONCRETE RETAINING WALLS.

<p><b>Burns &amp; McDonnell</b> SINCE 1888</p>		<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372</p>		<p>PUMP STATION G-372 RETAINING WALLS LAYOUT &amp; DETAILS</p>	
<p>ENGINEERS</p>	<p>ARCHITECTS</p>	<p>CONSULTANTS</p>	<p>DESIGN</p>	<p>DER</p>	<p>CHKD</p>
<p>9400 WARD PARKWAY KANSAS CITY, MO. 64114 Certificate: ER0000253 Bldg. 24930</p>	<p>57006 METAFRE, LOUISIANA (504) 454-3866 License No. EB00008095</p>	<p>5/10/2001</p>	<p>R/G</p>	<p>CHKD</p>	<p>DATE</p>
<p>NO. DWN</p>	<p>CHKD</p>	<p>DATE</p>	<p>REVISIONS</p>	<p>NO. DWN</p>	<p>CHKD</p>
<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>

Rodney J. Gannuch, P.E.  
FLA. C.E. REG. NO. 53545

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**  
EVERGLADES CONSTRUCTION PROJECT  
3301 GUN CLUB ROAD  
WEST PALM BEACH, FLORIDA 33406

CONTRACT NO. C-E304  
DWG. NO. C-224

"RECORD DRAWINGS"

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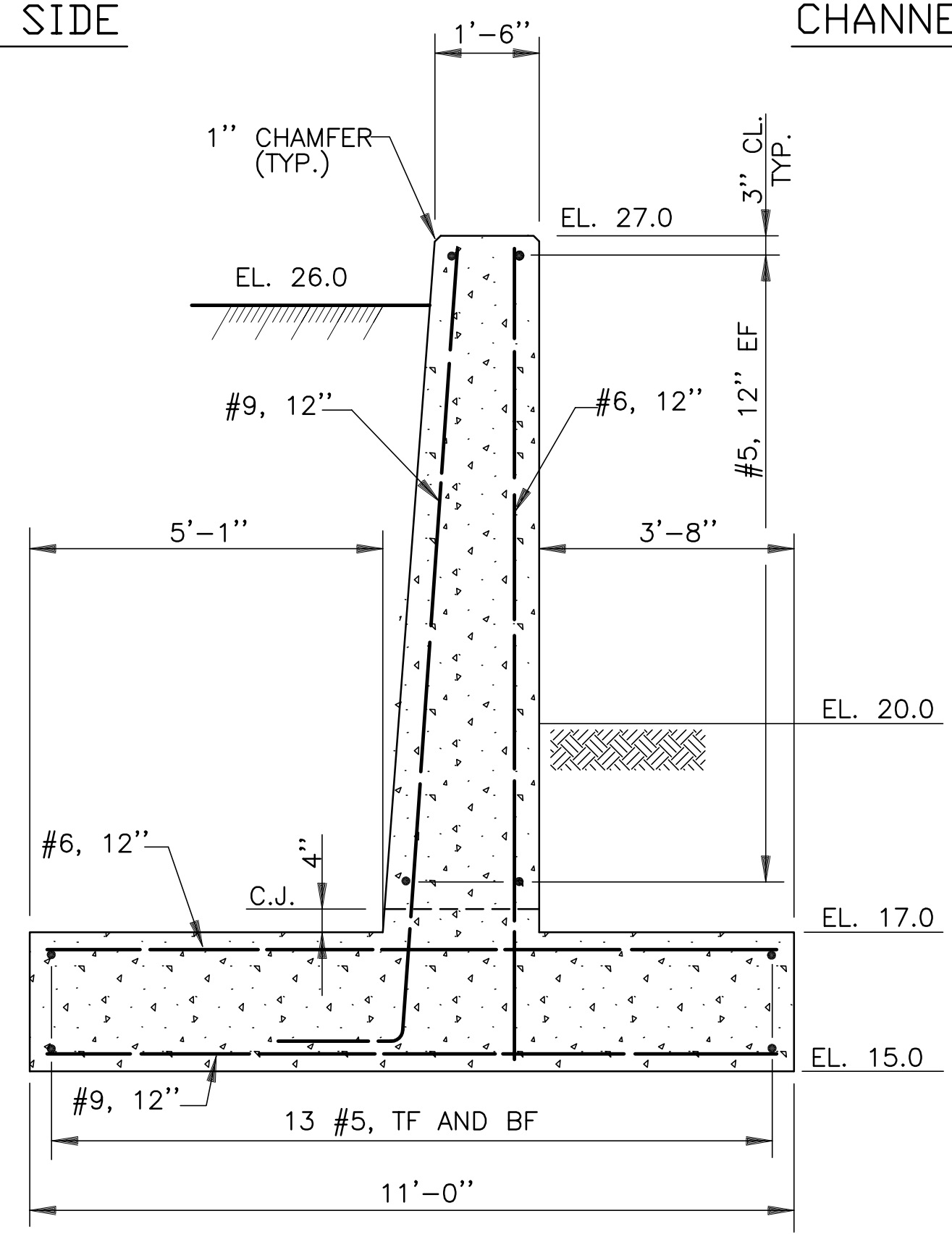


LAND SIDE

CHANNEL SIDE

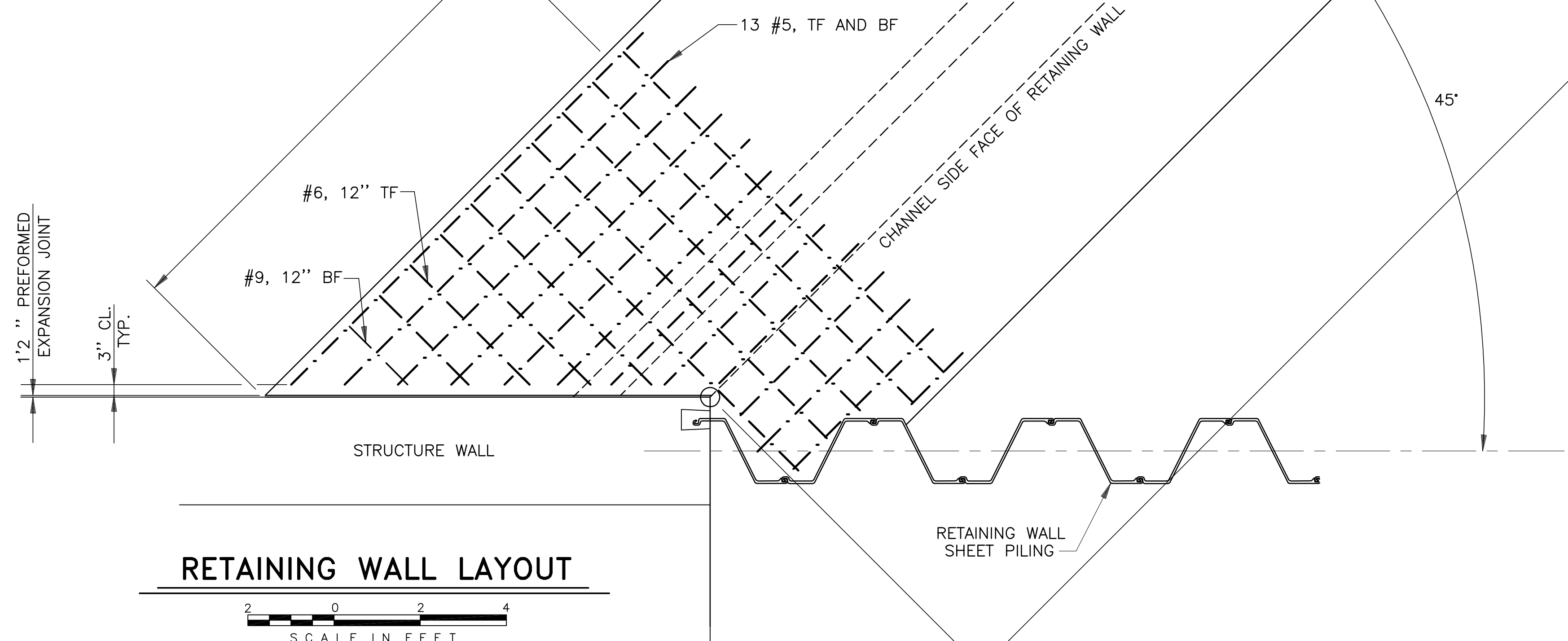
LAND SIDE

CHANNEL SIDE



**SECTION A**

SCALE IN FEET



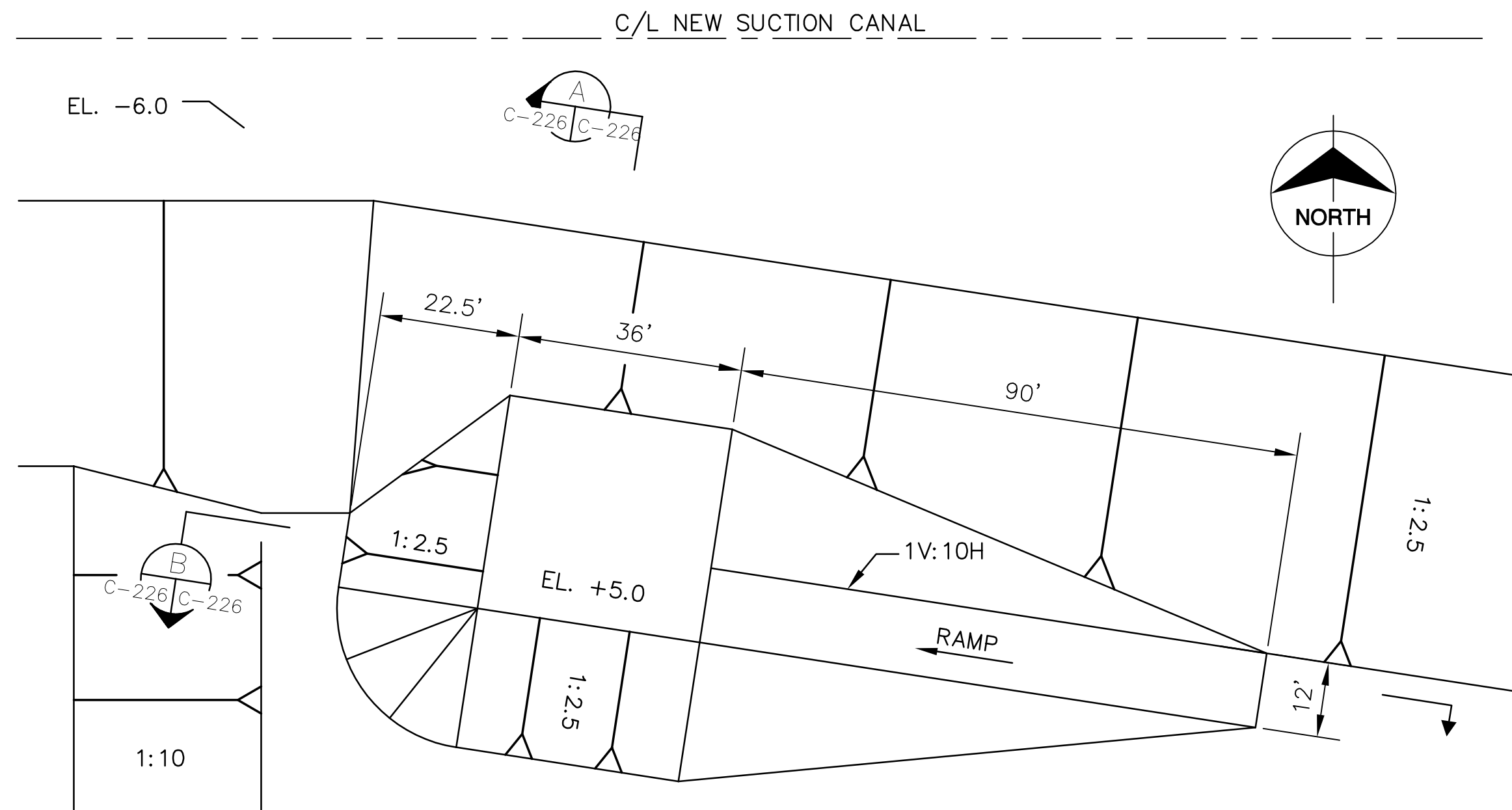
**RETAINING WALL LAYOUT**

SCALE IN FEET

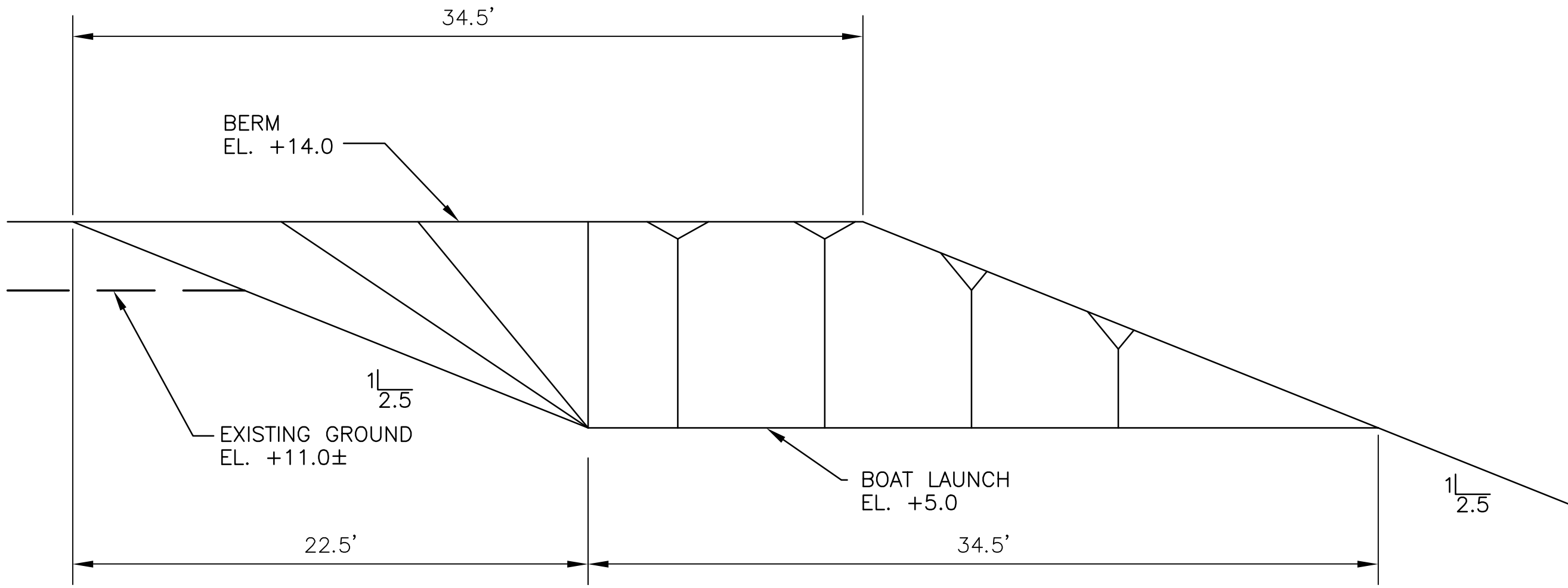
<p><b>Brown Cunningham Gannuch</b> ARCHITECTS - CONSULTANTS ENGINEERS 7070 METAFRE LOUISIANA 70006 (504) 454-3866 License No. EB00008095</p>		<p>BHD EJM DER R/G CHKO</p>	<p>DATE 5/10/2001</p>
<p><b>Burns &amp; McDonnell</b> SINCE 1888 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certification: EB0000253 BHD</p>		<p>CHKO CHKO CHKO CHKO</p>	<p>DATE 5/10/2001</p>
<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372</p>		<p>DESIGN DER R/G CHKO</p>	<p>DATE 5/10/2001</p>
<p>SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>		<p>NO. DWN CHKO</p>	<p>DATE 5/10/2001</p>
<p>Rodney J. Gannuch, P.E. FLA. C.E. REG. NO. 53545</p>		<p>NO. DWN CHKO</p>	<p>DATE 5/10/2001</p>
<p>CONTRACT NO. C-E304 DWG. NO. C-225</p>		<p>NO. DWN CHKO</p>	<p>DATE 5/10/2001</p>

"RECORD DRAWINGS"

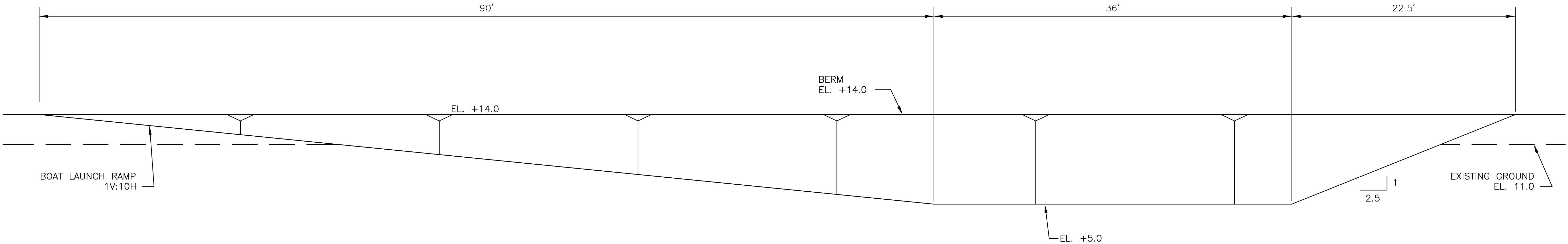
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**BOAT LAUNCH  
PARTIAL SITE PLAN**  
SCALE IN FEET



**SECTION A**  
SCALE IN FEET



**SECTION B**  
SCALE IN FEET

Scale For Microfilming  
Inches  
Millimeters

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DRAWN		CHKD		DESIGN		CHKD		DATE		NO. DWG		CHKD		DATE		REVISIONS	
KTS		R/JG		EJM		EJM		5/10/2001									
<p><b>Brown Cunningham Gannuch</b> ENGINEERS - ARCHITECTS - CONSULTANTS METairie, LOUISIANA 70006 (504) 454-3866 License No. EB00008095</p>																	
<p><b>Burns &amp; McDonnell</b> SINCE 1888 9400 WARD PARKWAY KANSAS CITY, MO 64114 Certification: EB0000253 BAG</p>																	
<p>EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 &amp; G-372 PUMP STATION G-372 SUCTION SIDE BOAT LAUNCH DETAIL</p>																	
<p>SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES CONSTRUCTION PROJECT 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>																	
<p>Rodney J. Gannuch, P.E. FLA. C.E. REG. NO. 53545</p>																	
<p>CONTRACT NO. C-E304 DWG. NO. C-226</p>																	

"RECORD DRAWINGS"