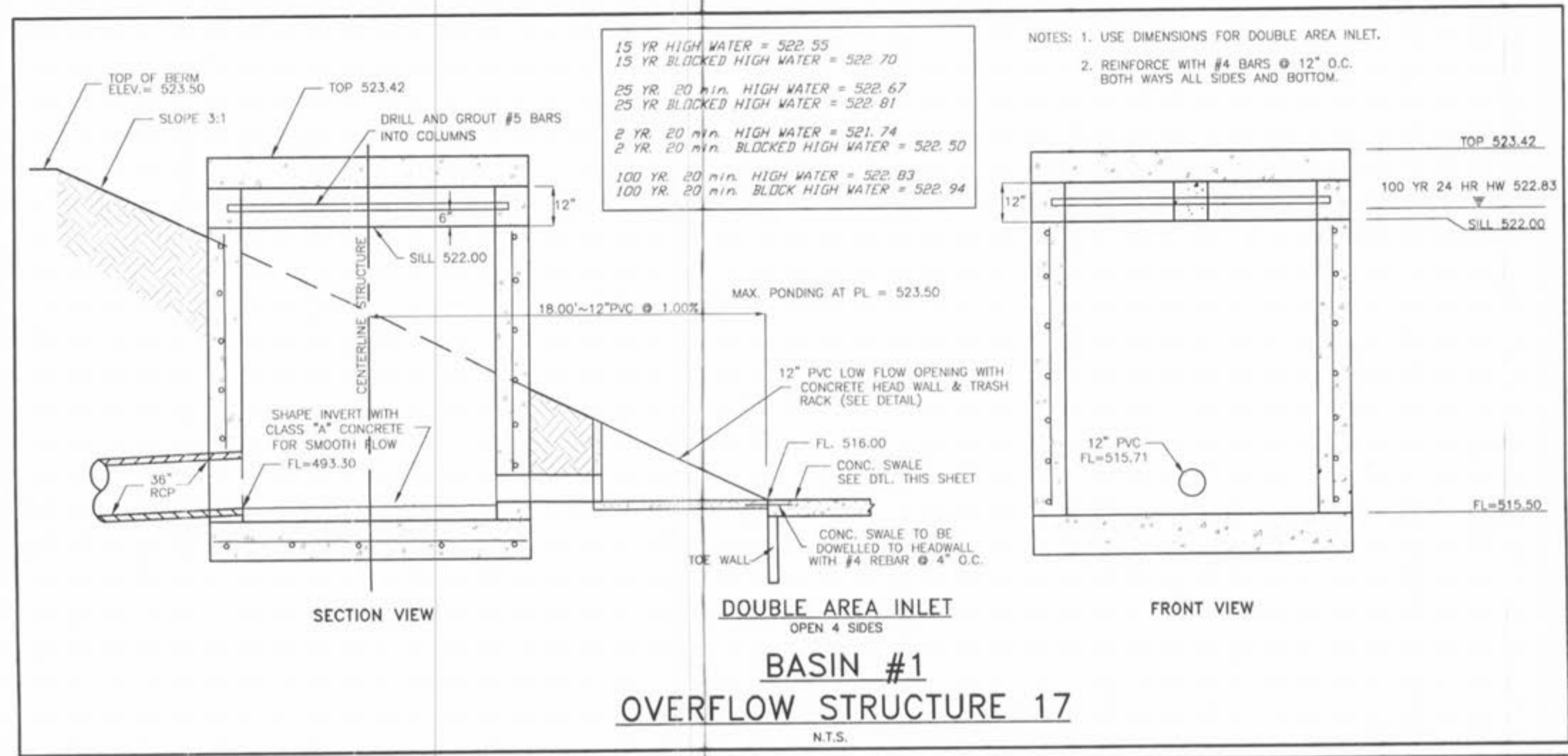
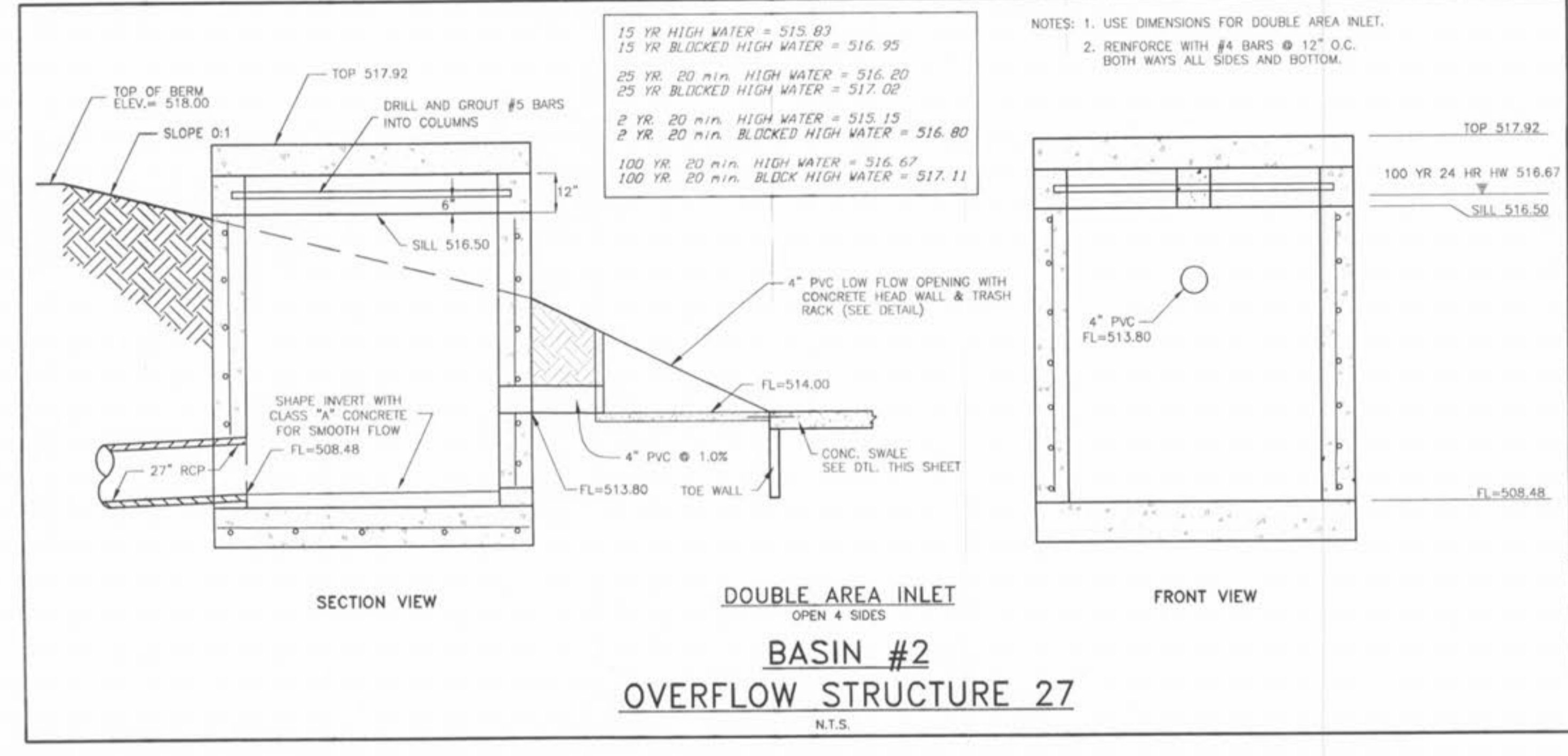


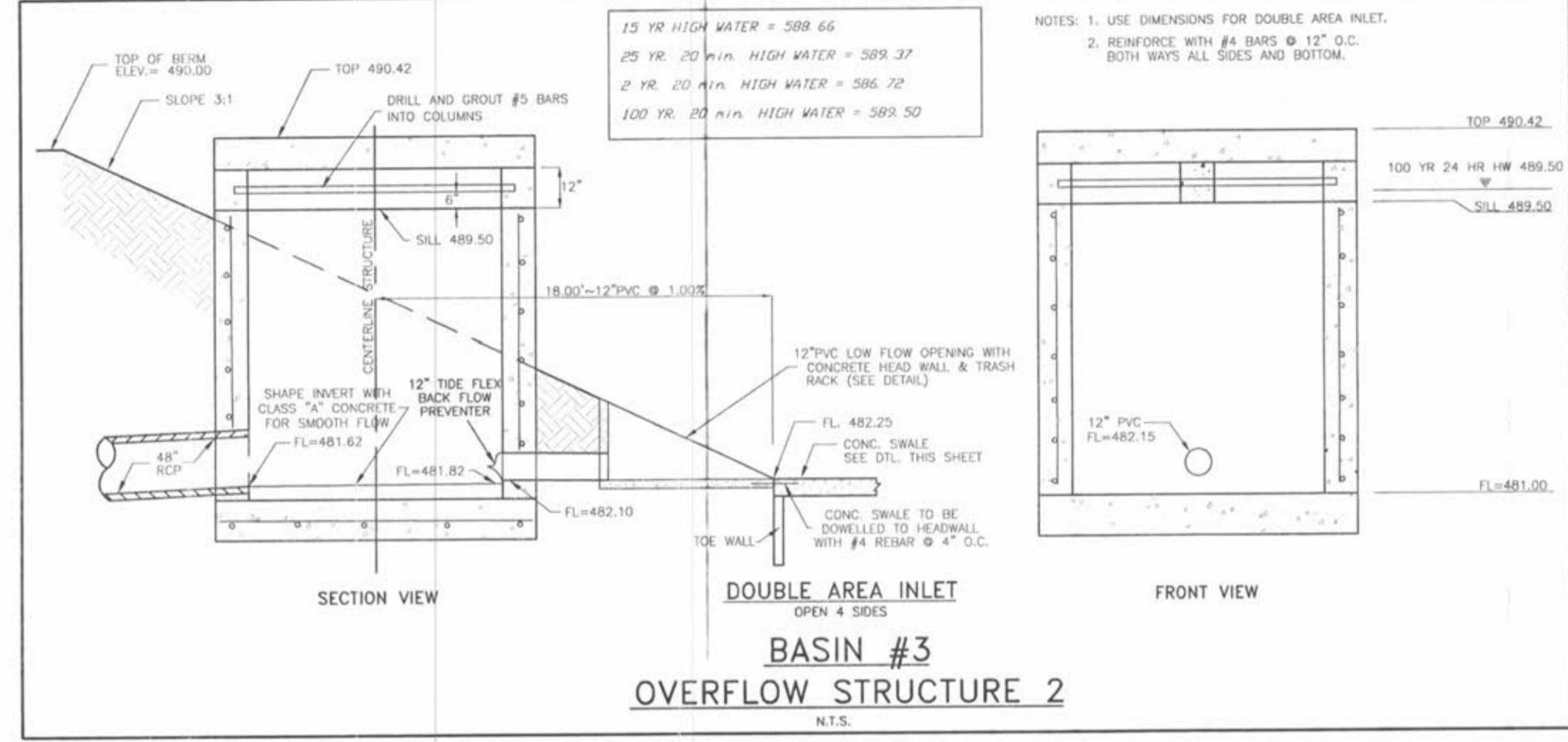
Drawing name: K:\D\0302021 LOEFFLER TRACT\improvement\2021outfall.dwg Plotted on: Dec 17, 2003 - 2:07pm Plotted by: cschoefer



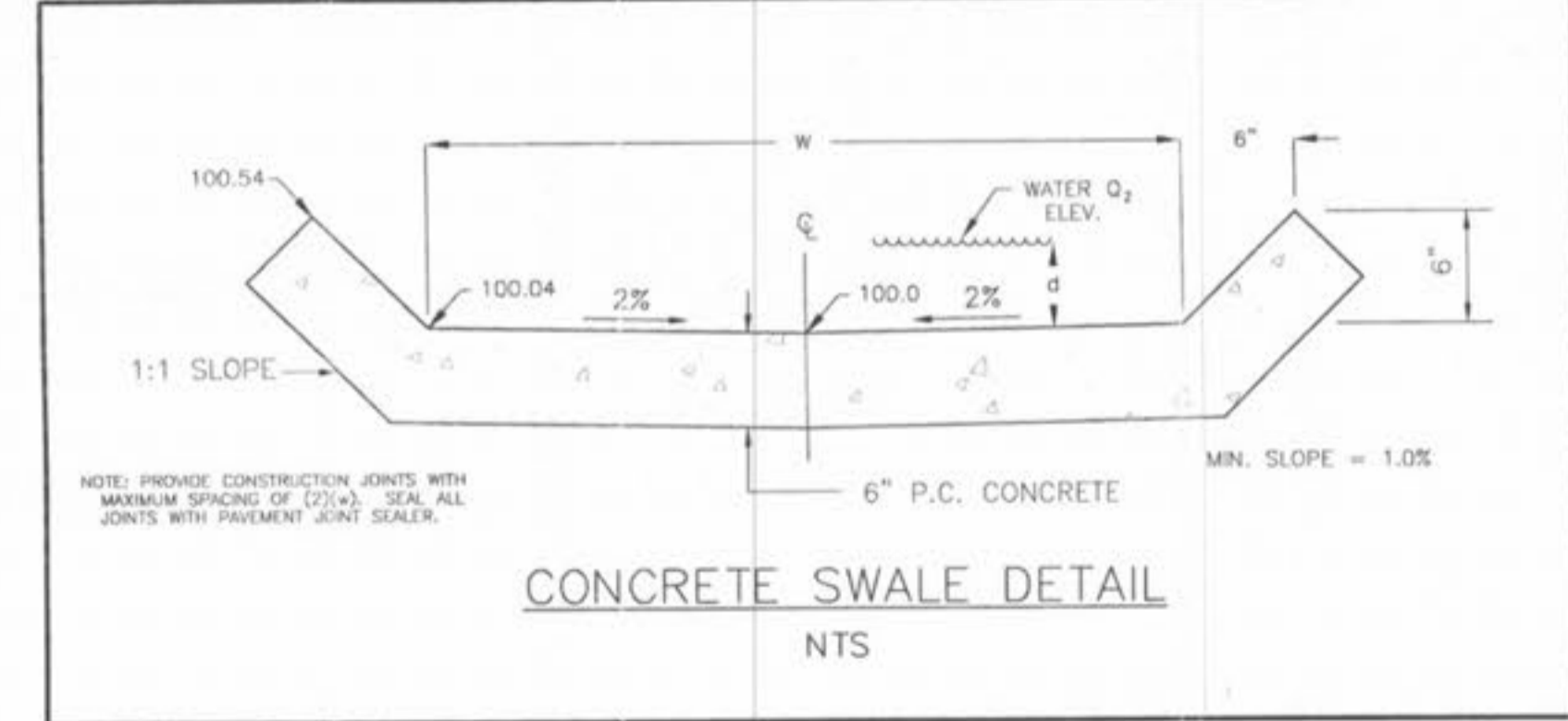
BASIN #1
OVERFLOW STRUCTURE 17
N.T.S.



BASIN #2
OVERFLOW STRUCTURE 27
N.T.S.



BASIN #3
OVERFLOW STRUCTURE 2
N.T.S.



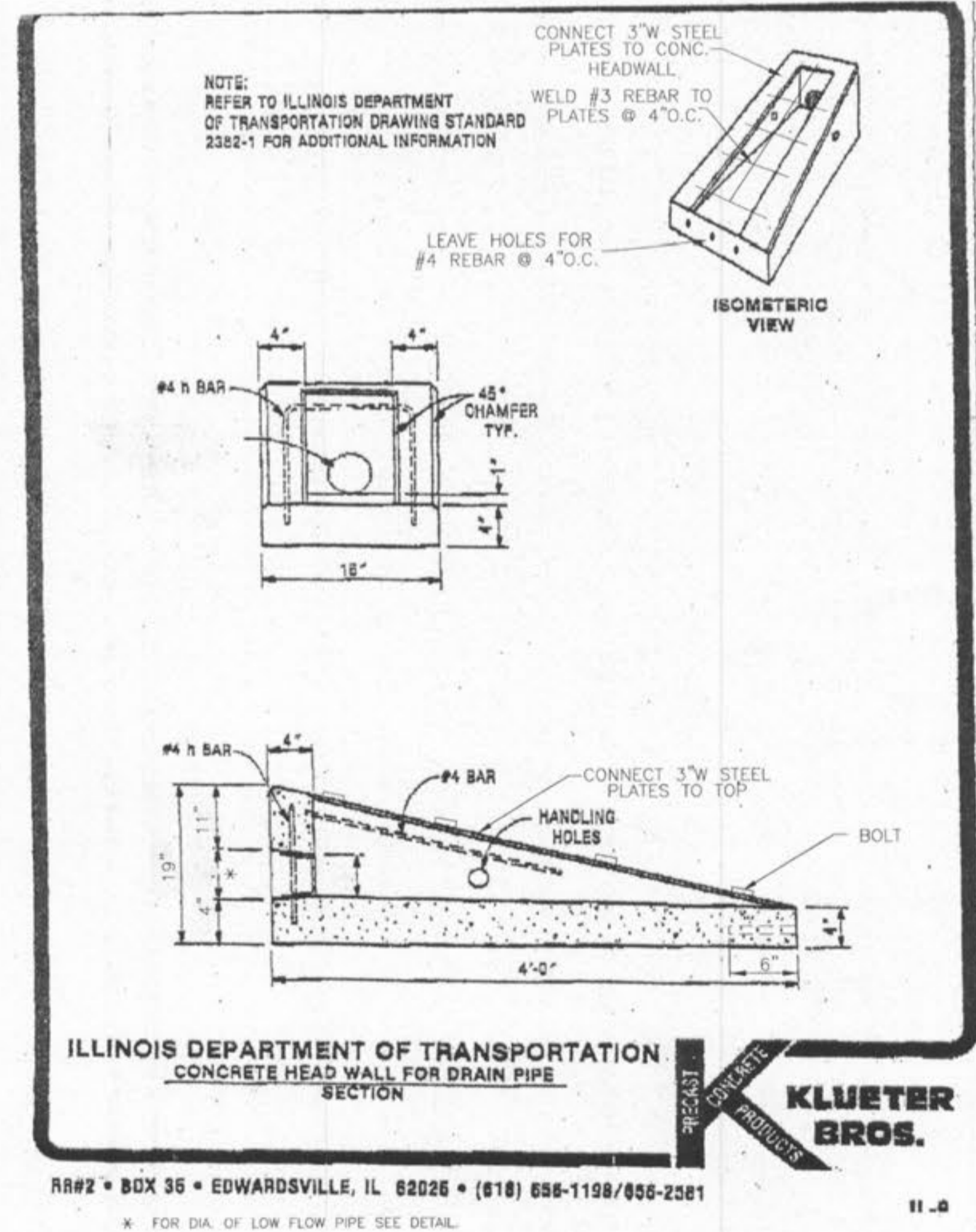
CONCRETE SWALE DETAIL
N.T.S.

Detention Pond Paved Swale Capacity
 Detention Pond 1: $Q_2 = 22.88$ cfs, $d = 0.35'$, $w = 4.0'$
 Detention Pond 2: $Q_2 = 11.99$ cfs, $d = 0.25'$, $w = 4.0'$
 Detention Pond 3: $Q_2 = 35.83$ cfs, $d = 0.46'$, $w = 4.0'$
 $S = \min 1.0\% \text{ } n = 0.013$

Station (ft)	Elevation (ft)	Start Station	End Station	Roughness
0.00	100.54	0.00	5.00	0.013
0.50	100.04			
2.50	100.00			
4.50	100.04			
5.00	100.54			
Discharge: 22.88 cfs				

Station (ft)	Elevation (ft)	Start Station	End Station	Roughness
0.00	100.54	0.00	5.00	0.013
0.50	100.04			
2.50	100.00			
4.50	100.04			
5.00	100.54			
Discharge: 11.99 cfs				

Station (ft)	Elevation (ft)	Start Station	End Station	Roughness
0.00	100.54	0.00	5.00	0.013
0.50	100.04			
2.50	100.00			
4.50	100.04			
5.00	100.54			
Discharge: 35.83 cfs				



ISSUE	REMARKS/DATE
1	08/15/03 - Pinned
2	12/11/03 - Submitted
3	12/17/03 - Submitted

PREPARED FOR:
WHISPERING L.L.C.
 5091 NEW BAUMGARTNER ROAD
 ST. LOUIS, MISSOURI 63129
 (314) 487-8717

PREPARED BY:

STERLING CO.
 ENGINEERS & SURVEYORS
 5955 NEW BAUMGARTNER ROAD
 ST. LOUIS, MISSOURI 63129
 (314) 487-0440 FAX 487-8944
 E-Mail: Sterling@sterling-eng-sur.com

DRAWN: [Signature]
 DESIGNED: [Signature]
 CHECKED: [Signature]
 PROJECT: [Signature]
WHISPERING WOODS
 OUTFALL STRUCTURE DETAILS

NO.	03	02	021
M.S.D.			SHEET
P#			23
DIGITAL FILE LOCATION	SERVER-STERLING-2		
EXT.	438		
			28