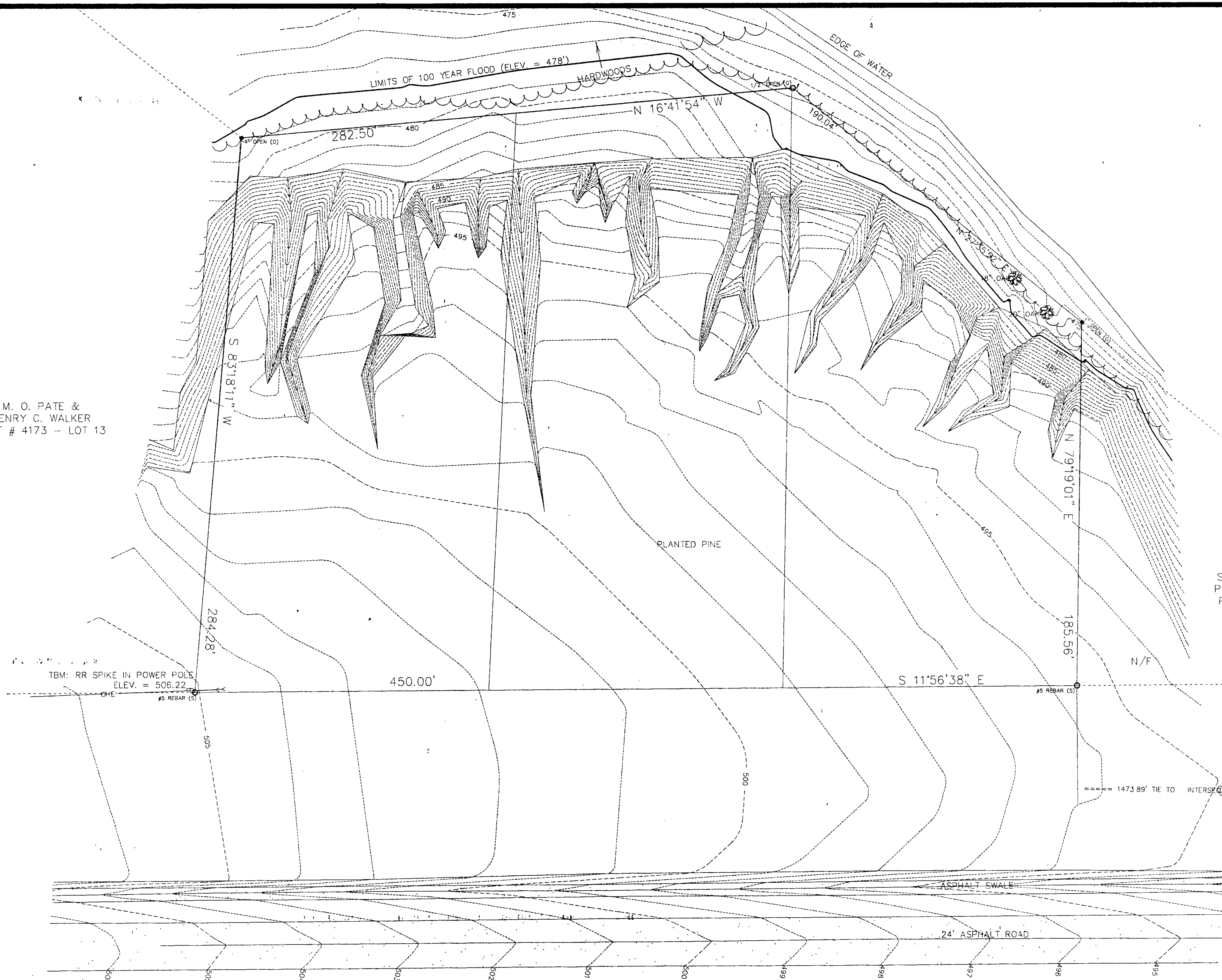


M. O. PATE &
HENRY C. WALKER
PLAT # 4173 - LOT 13

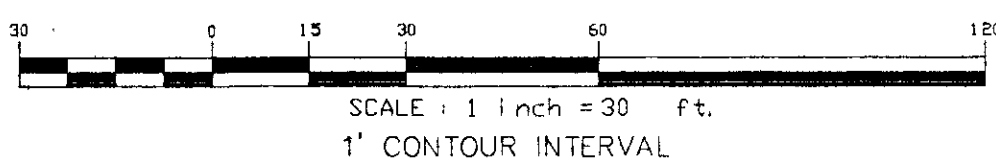


N/F
SUZAN J. CONNELLY &
PEGGY M. FURR TRUSTEE
PLAT # 4173 - LOT 17

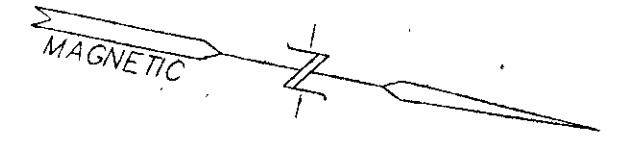
- LEGEND:
- WATER METER
 - POWER POLE
 - SEWER LINE
 - OVERHEAD ELECTRIC
 - UNDERGROUND ELECTRIC
 - FENCE
 - SET
 - OLD

- 1) PORTION OF SUBJECT PROPERTY IS IN A FLOOD HAZARD AREA AS DETERMINED FROM FEMA FIRM PANEL MAP #450120-0090-B DATED JANUARY 6, 1983.
- 2) BENCH MARK IS RM 10 ON PANEL MAP # 4501230-0090-B. A CHISELED SQUARE IN THE TOP OF A CONCRETE WINGWALL AT SOUTHWEST CORNER OF A BRIDGE ON U. S. HWY 521 BYPASS AT ITS CROSSING OF BEAR CREEK. ELEVATION = 491.26.
- 3) TOTAL SITE AREA = 2.809 ACRES 122,350 SQ. FT.

N/F
LANCASTER WATER & SEWER DISTRICT COMMISSION
PLAT BOOK 13 Pg 175



J. H. WALKER & ASSOCIATES
1115 A LITTLE STREET
P. O. BOX 1295
CAMDEN, SC 29020
(803) 425-0702



EXISTING TOPO PLAN
SCALE: 1" = 30'

BOUNDARY & TOPOGRAPHIC SURVEY
PREPARED FOR
SOUTH CAROLINA DEPARTMENT OF MENTAL HEALTH
OF
LANCASTER MENTAL HEALTH CENTER SITE
SOUTH EAST OF LANCASTER, LANCASTER COUNTY, SOUTH CAROLINA
APRIL 29, 1994 TMS NO. 81-N-A-7 JOB # 94-052 FB # 046

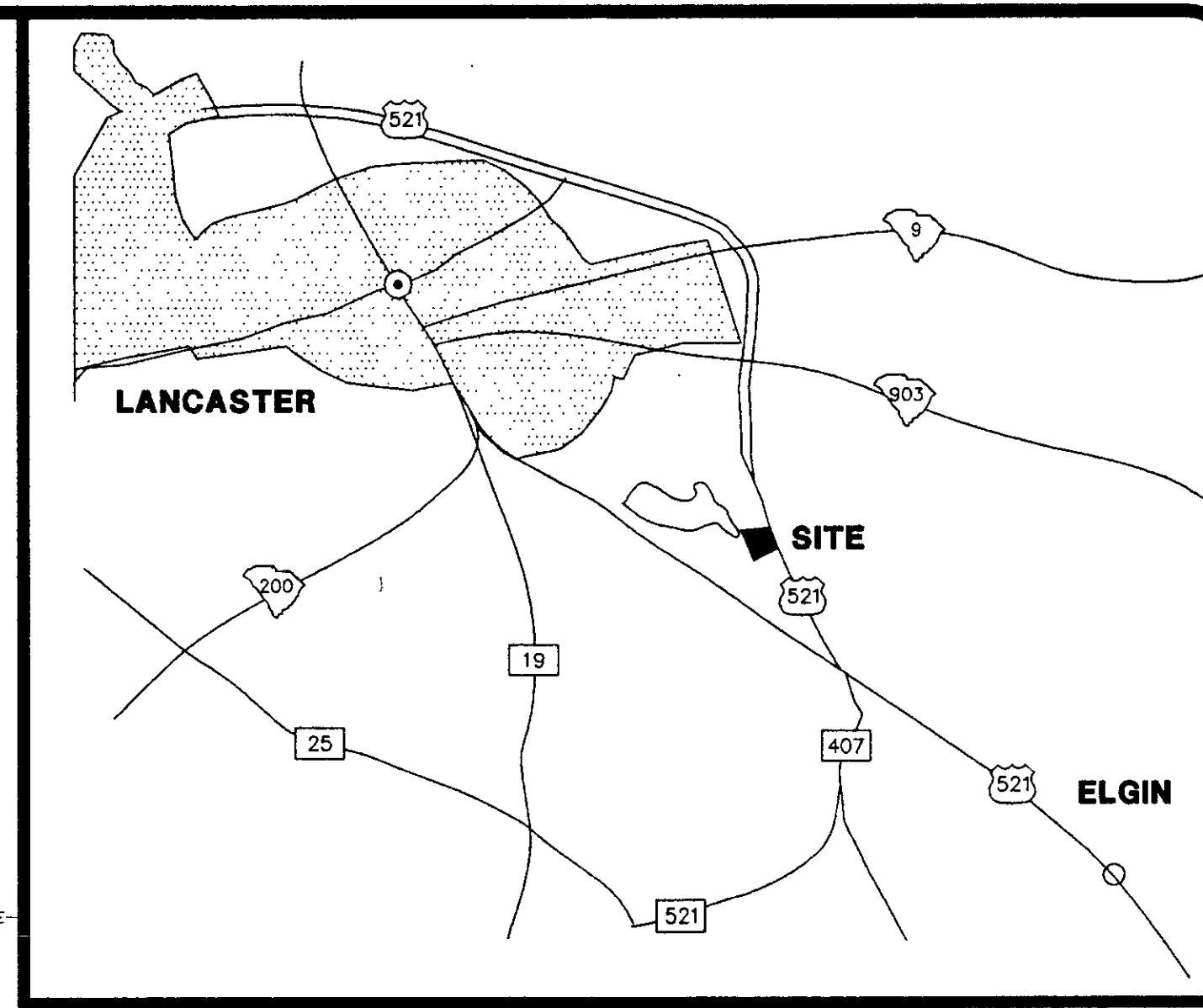
THE SAME BEING SHOWN AS LOTS 14, 15, & 16, ON A SUBDIVISION MAP FOR T. Y. WILLIAMS TRUST DATED MAY 30, 1979, BY WM. D. ENFINGER & ASSOCIATES AND RECORDED IN THE CLERK OF COURT OFFICE FOR LANCASTER COUNTY AS PLAT NUMBER 4173

I HEREBY STATE THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREON WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINIMUM STANDARDS MANUAL OF PRACTICE FOR LAND SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "B" SURVEY AS SPECIFIED THEREIN. ALSO, THERE ARE NO ENCROACHMENTS OR PROJECTIONS OTHER THAN SHOWN.

J. Henry Walker III
J. HENRY WALKER III, PLS 14532

COA # C00603

SCPLS # 14532



Revision	Description

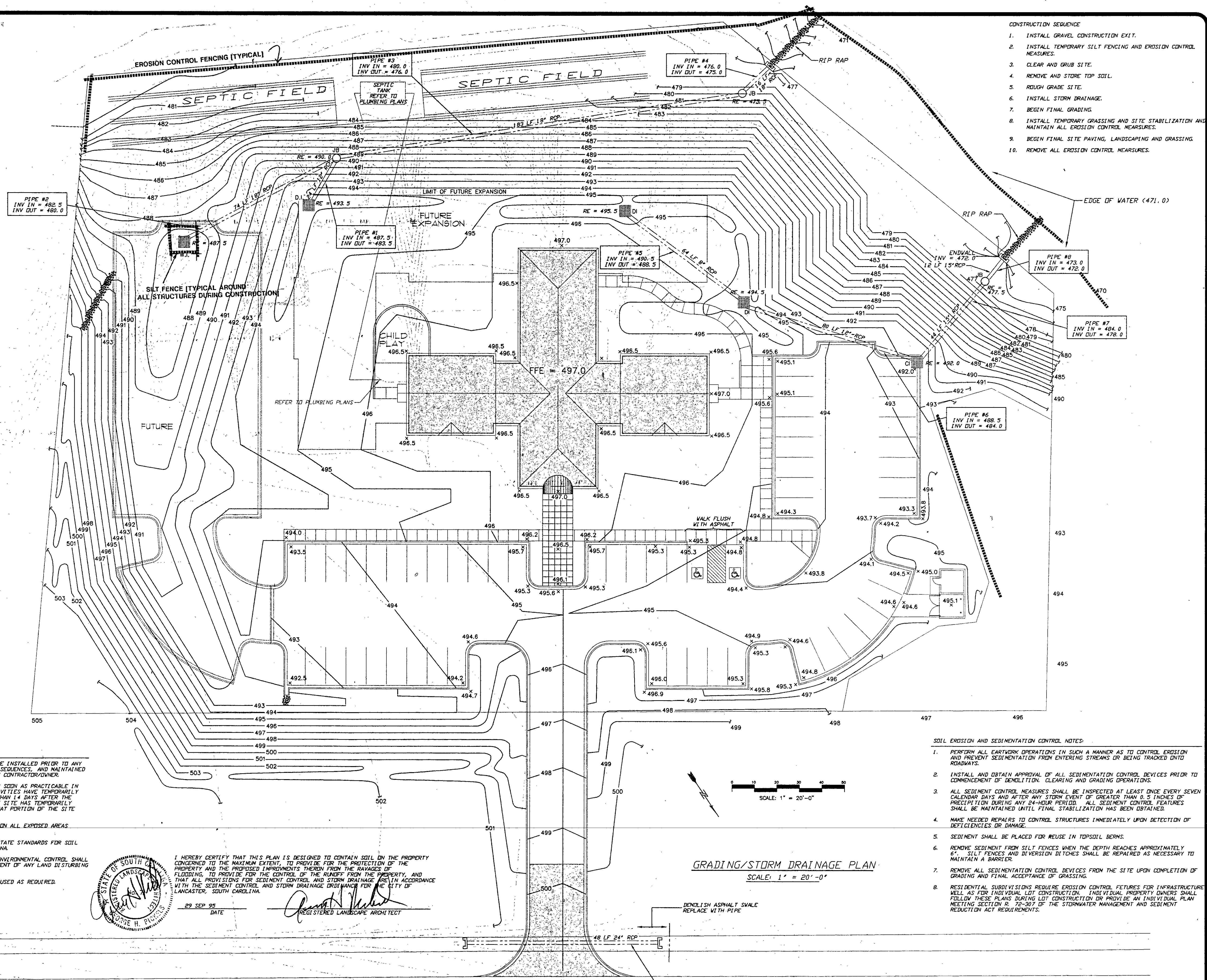
Design Collaborative
ARCHITECTS PLANNERS / COLUMBIA SOUTH CAROLINA

**EXISTING TOPO
PLAN**

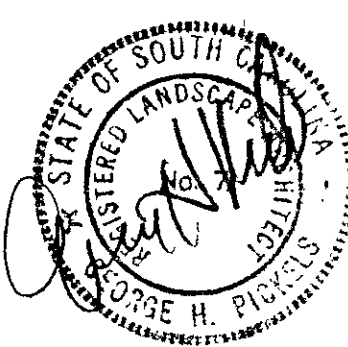
LANCASTER SATELLITE
CATAWBA M.H.C.
LANCASTER, SC.
STATE PROJECT NO. J12-9592-PC
Commission: C93-1510
Date: APR. 03, 1995

C-1
of 5 Sheets

LEGEND	
EXISTING CONTOUR	481
PROPOSED CONTOUR	x 481
SPOT ELEVATION	W.I.
WATER INLET	D.I.
DROP INLET	JB
JUNCTION BOX	JF
FINISHED FLOOR ELEVATION	FFE
TOP OF WALL ELEVATION	TW
BOTTOM OF WALL ELEVATION	BW
CURB INLET	C.I.
RIM ELEVATION	RE
INVERT	INV
POLYVINYLCHLORIDE PIPE	PVC
SCH. 40	LF
LINEAR FEET	CI
CAST IRON SCH. 50	RCP
REINFORCED CONCRETE PIPE, CLASS III	
CHAINLINK FENCE	
POWER POLE	OE
OVERHEAD ELECTRICAL	W 12"
EXISTING WATER LINE	
CURB AND GUTTER	
DHEC TEST HOLES	TEST POINT
RIP RAP	



- SITE WORK GENERAL NOTES:**
1. ALL SOIL EROSION AND SEDIMENT PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, OR IN THEIR PROPER SEQUENCES, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED BY CONTRACTOR/OWNER.
 2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 21 DAYS.
 3. PERMANENT VEGETATION TO BE SEED OR SODDED ON ALL EXPOSED AREAS WITHIN 14 DAYS AFTER FINAL GRADING.
 4. ALL WORK TO BE DONE IN ACCORDANCE WITH THE STATE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN SOUTH CAROLINA.
 5. THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL SHALL BE NOTIFIED 72 HOURS IN ADVANCE OF COMMENCEMENT OF ANY LAND DISTURBING ACTIVITY.
 6. ADDITIONAL EROSION CONTROL DEVICES SHALL BE USED AS REQUIRED.



I HEREBY CERTIFY THAT THIS PLAN IS DESIGNED TO CONTAIN SOIL ON THE PROPERTY CONCERNED TO THE MAXIMUM EXTENT, TO PROVIDE FOR THE PROTECTION OF THE PROPERTY AND THE PROPOSED IMPROVEMENTS THEREON FROM THE RAVAGES OF FLOODING, TO PROVIDE FOR THE CONTROL OF THE RUNOFF FROM THE PROPERTY, AND THAT ALL PROVISIONS FOR SEDIMENT CONTROL AND STORM DRAINAGE ARE IN ACCORDANCE WITH THE SEDIMENT CONTROL AND STORM DRAINAGE ORDINANCE FOR THE CITY OF LANCASTER, SOUTH CAROLINA.

29 SEP 95 DATE
REGISTERED LANDSCAPE ARCHITECT

- SOIL EROSION AND SEDIMENTATION CONTROL NOTES:**
1. PERFORM ALL EARTHWORK OPERATIONS IN SUCH A MANNER AS TO CONTROL EROSION AND PREVENT SEDIMENTATION FROM ENTERING STREAMS OR BEING TRACKED ONTO ROADWAYS.
 2. INSTALL AND OBTAIN APPROVAL OF ALL SEDIMENTATION CONTROL DEVICES PRIOR TO COMMENCEMENT OF DEMOLITION, CLEARING AND GRADING OPERATIONS.
 3. ALL SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS, AND AFTER ANY STORM EVENT OF GREATER THAN 0.5 INCHES OF PRECIPITATION DURING ANY 24-HOUR PERIOD. ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION HAS BEEN OBTAINED.
 4. MAKE NEEDED REPAIRS TO CONTROL STRUCTURES IMMEDIATELY UPON DETECTION OF DEFICIENCIES OR DAMAGE.
 5. SEDIMENT SHALL BE PLACED FOR REUSE IN TOPSOIL BERMS.
 6. REMOVE SEDIMENT FROM SILT FENCES WHEN THE DEPTH REACHES APPROXIMATELY 6". SILT FENCES AND DIVERSION DITCHES SHALL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
 7. REMOVE ALL SEDIMENTATION CONTROL DEVICES FROM THE SITE UPON COMPLETION OF GRADING AND FINAL ACCEPTANCE OF GRASSING.
 8. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING LOT CONSTRUCTION OR PROVIDE AN INDIVIDUAL PLAN MEETING SECTION R, 72-307 OF THE STORMWATER MANAGEMENT AND SEDIMENT REDUCTION ACT REQUIREMENTS.

GRADING/STORM DRAINAGE PLAN
SCALE: 1" = 20'-0"

US HIGHWAY 521 BY-PASS

Revision

Description

Design Collaborative

ARCHITECTS PLANNERS / COLUMBIA SOUTH CAROLINA

GRADING / STORM DRAINAGE PLAN

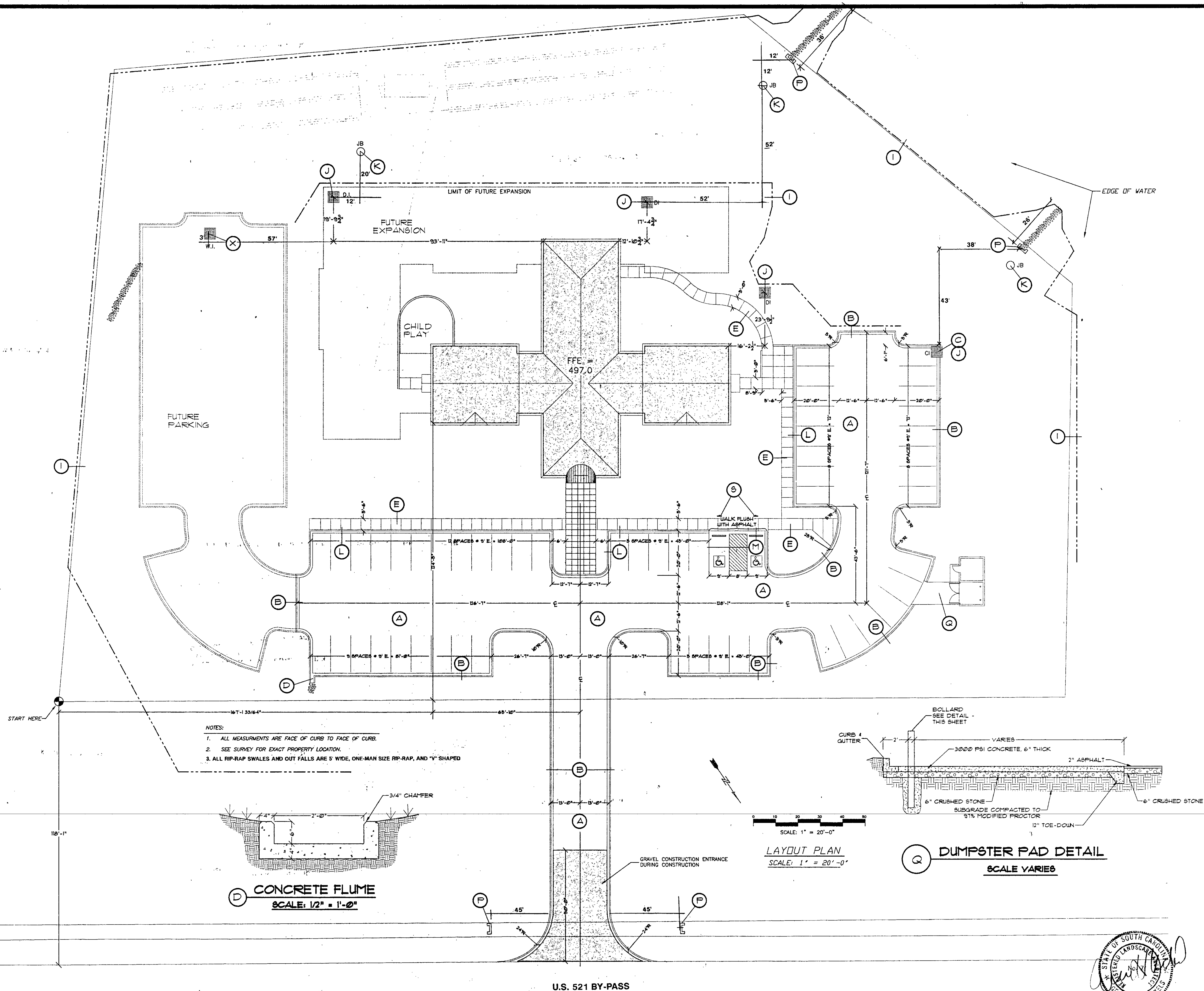
LANCASTER SATELLITE
CATAWBA M.H.C.
LANCASTER, S.C.

STATE PROJECT NO. J12-9592-PC
Commission: C93-1510

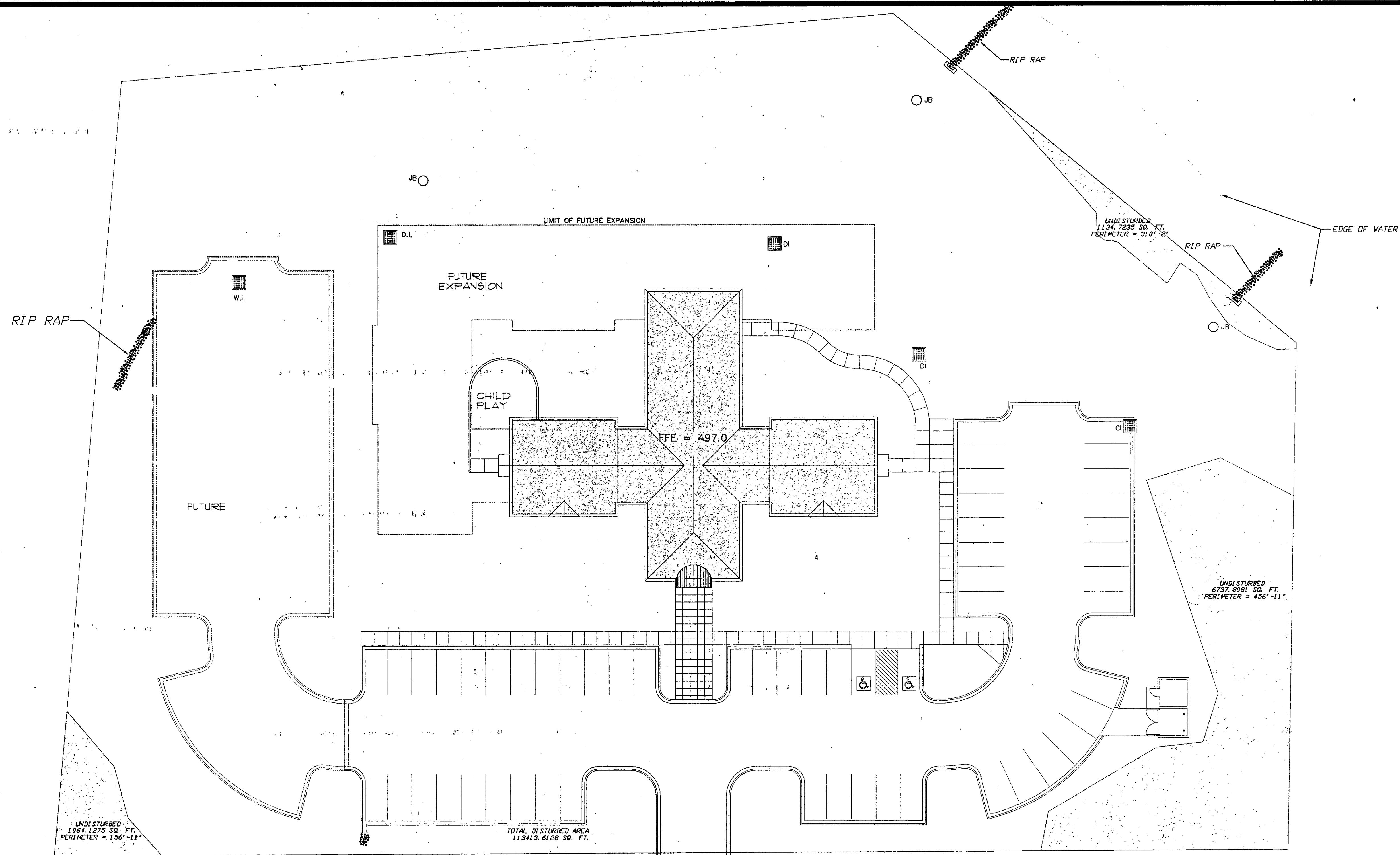
Date: APR 03, 1995

C-2

of 5 Sheets



COPYRIGHT © 1995 DESIGN COLLABORATIVE INC. ALL RIGHTS RESERVED. DRAWINGS MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION



UNDISTURBED
1064.1275 SQ. FT.
PERIMETER = 156'-11"

TOTAL DISTURBED AREA
113413.6128 SQ. FT.

TOTAL PLOT
122350.2719 SQ. FT.
PERIMETER = 1392'-4"

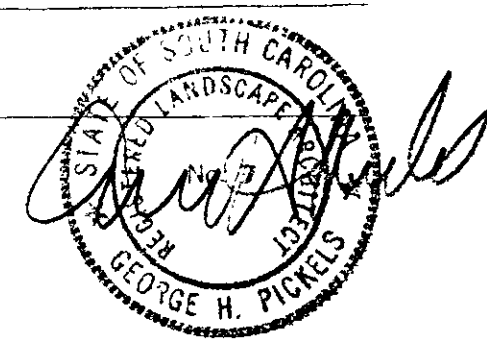
UNDISTURBED
4969.0523 SQ. FT.
PERIMETER = 480'-5"

	SITE ACREAGE	SQUARE FOOTAGE
TOTAL ACREAGE -	2.6	122350.2719
NON-DISTURBED -	.2	8936.6177
TOTAL DISTURBED -	2.6	113413.6128



STORM DRAINAGE LAYOUT PLAN
SCALE: 1" = 20'-0"

US HIGHWAY 521 BY-PASS



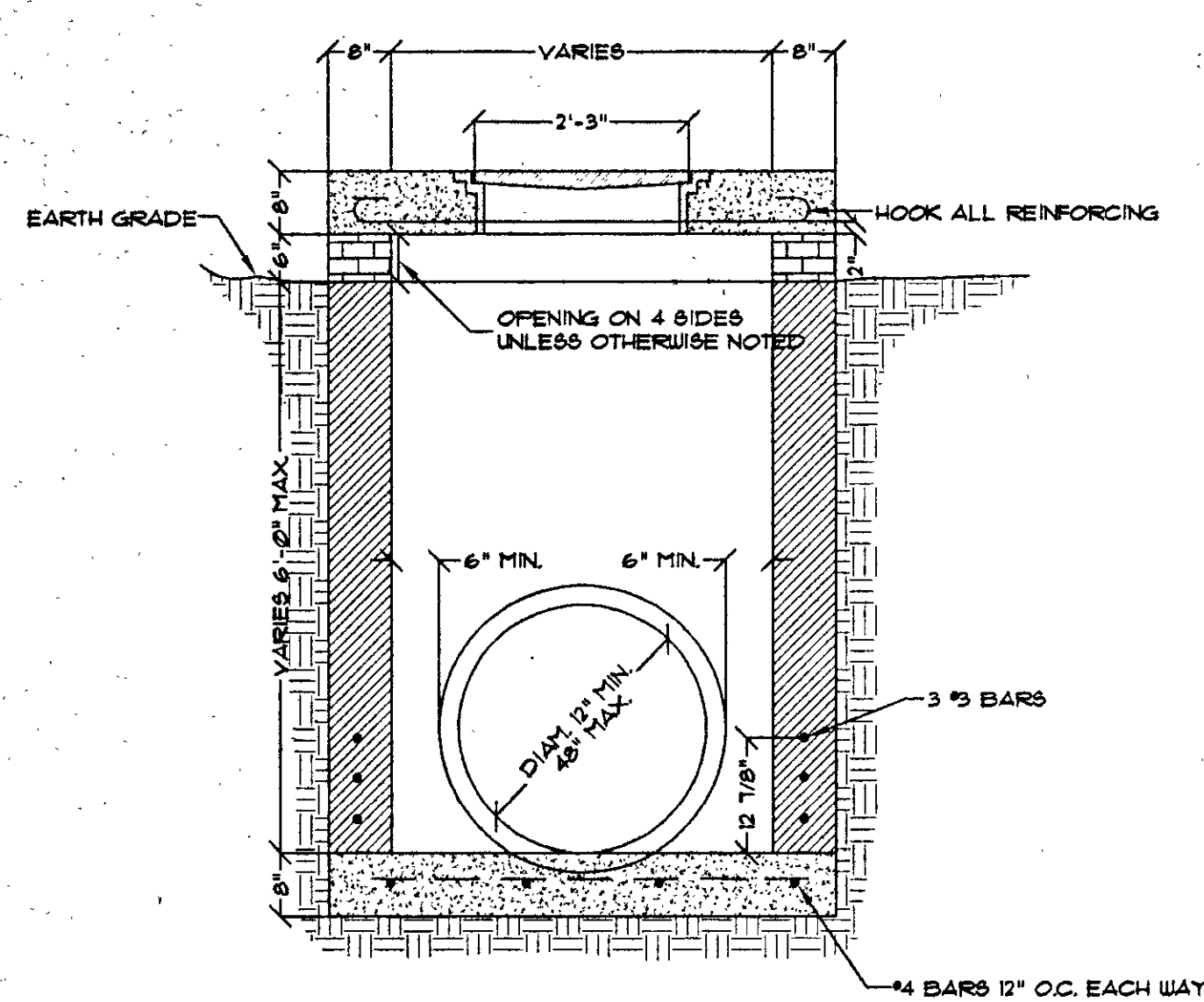
Description	Revision

Design Collaborative
ARCHITECTS PLANNERS / COLUMBIA SOUTH CAROLINA

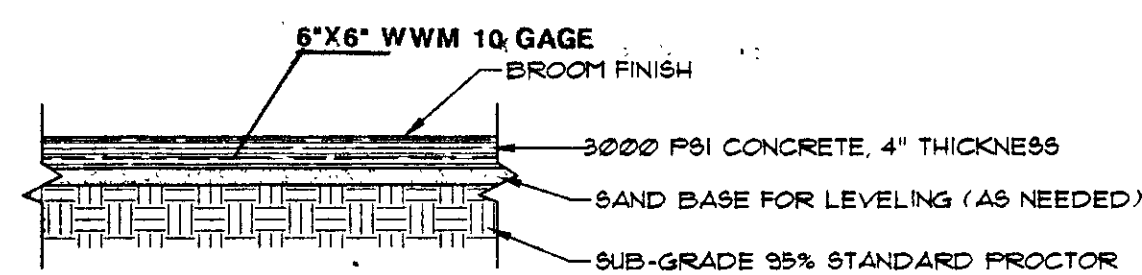
STORM DRAINAGE
LAYOUT PLAN

LANCASTER SATELLITE
CATAWBA M.H.C.
LANCASTER, S.C.
STATE PROJECT NO. J12-9592-PC
Commission: C93-1510
Date: APR 03, 1995

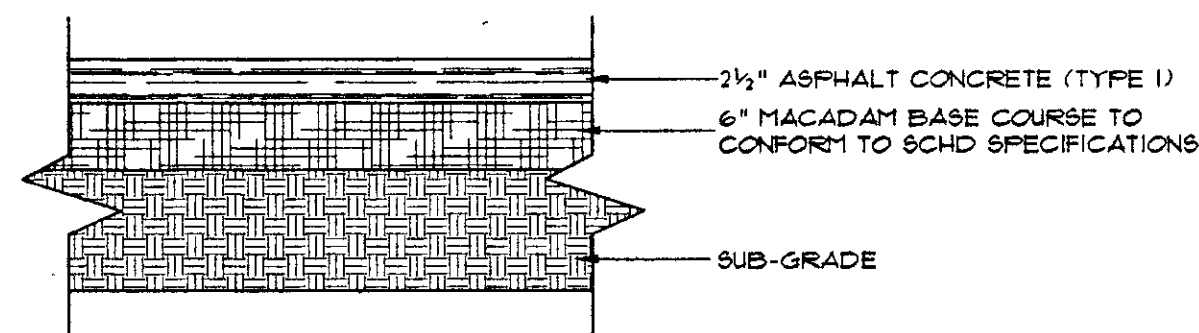
C-4
of 5 Sheets



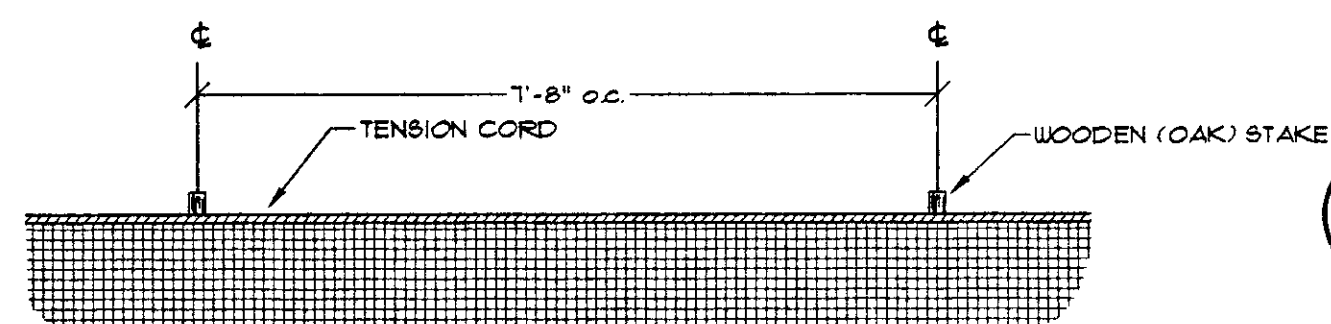
WEIR INLET DETAIL
NTS



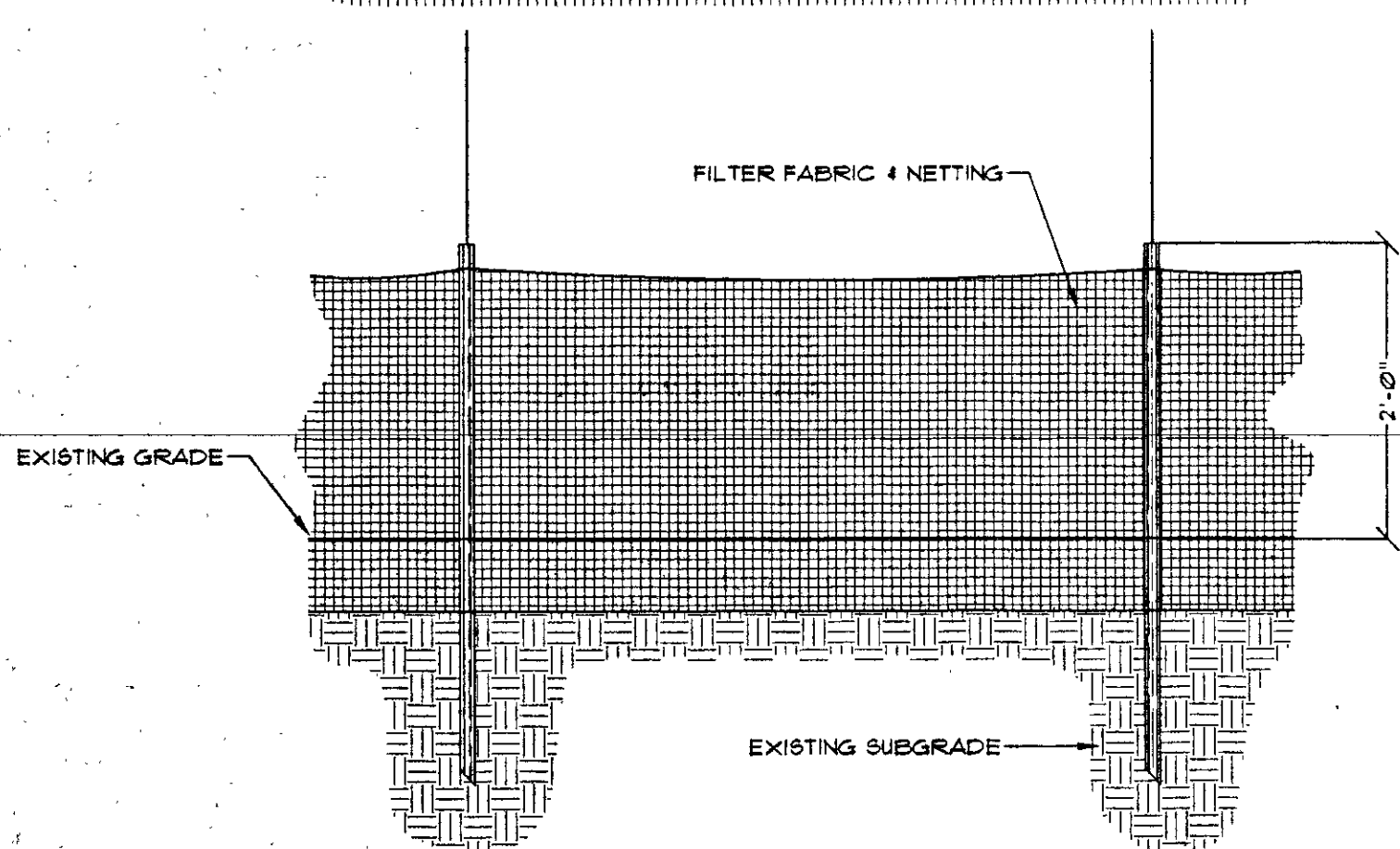
CONCRETE SIDEWALK
NOT TO SCALE



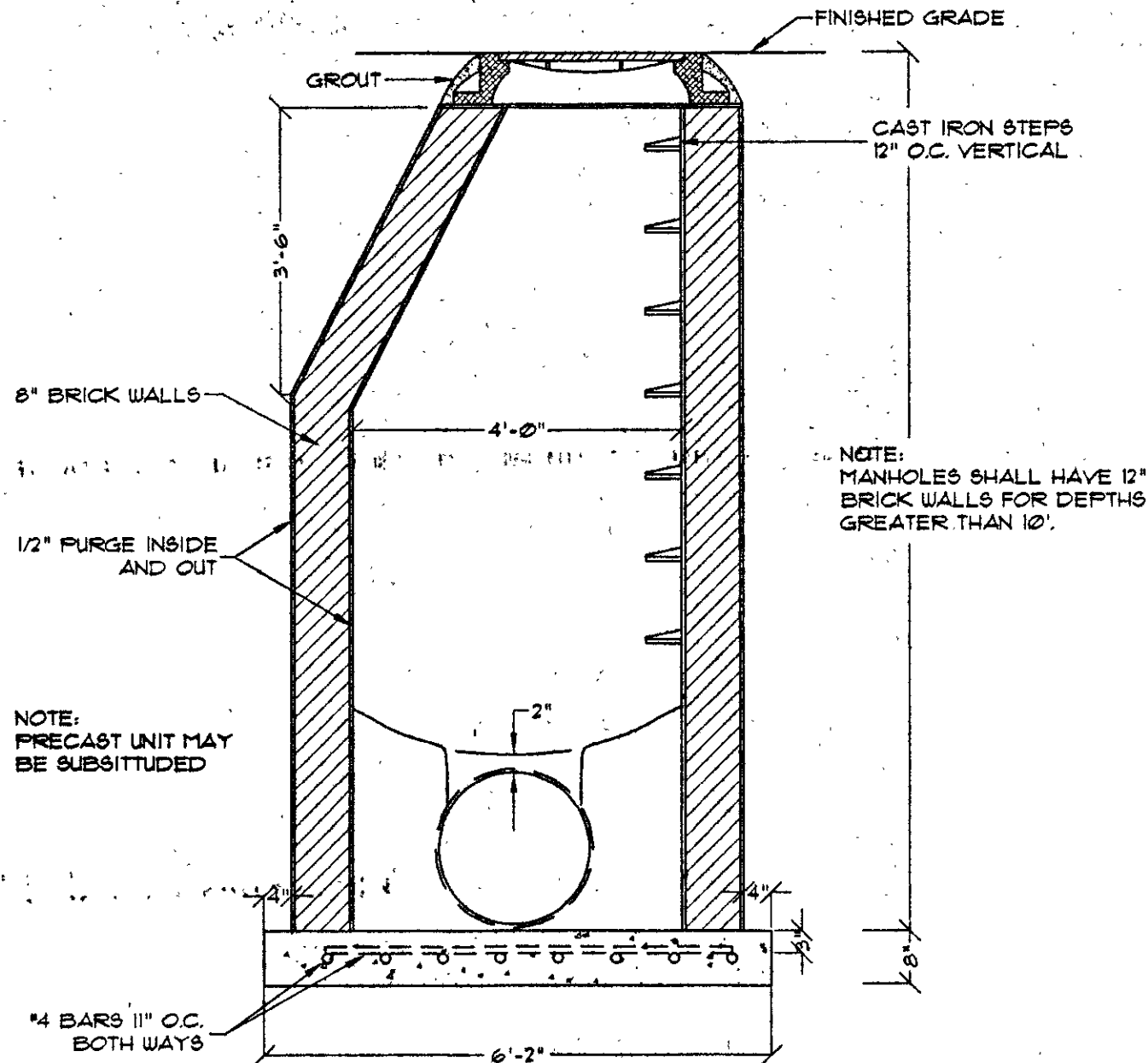
MEDIUM - DUTY ASPHALT PAVEMENT
NOT TO SCALE



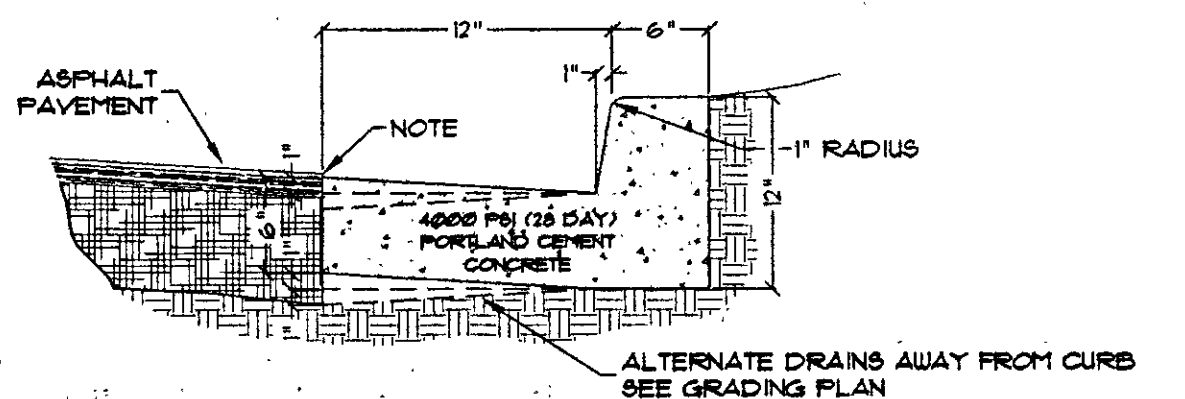
CONCRETE CURB AND GUTTER SECTION
SCALE: 1" = 1'-0"



EROSION CONTROL/SILT FENCE DETAIL
NOT TO SCALE



DEEP JUNCTION BOX
SCALE: 1/4" = 1'-0"

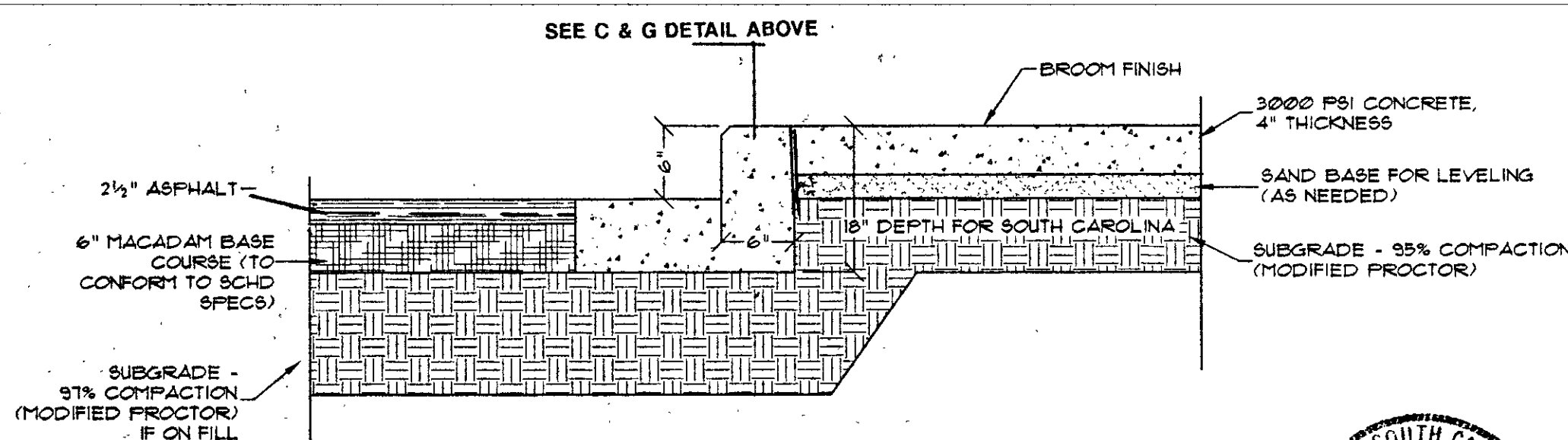
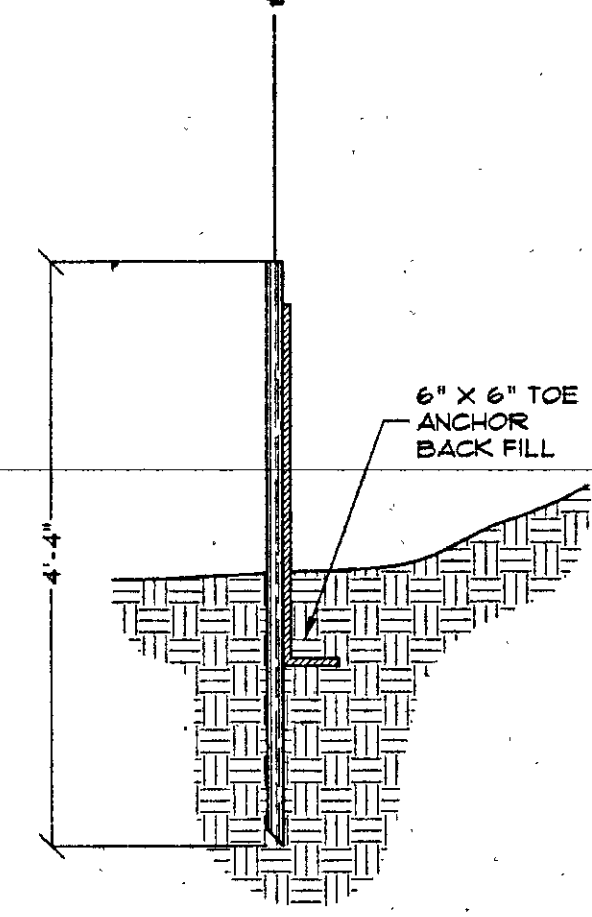


NOTE: PAVEMENT 1/4" ABOVE GUTTER WHEN SLOPED TO CURB, FLUSH WITH GUTTER WHEN SLOPED AWAY FROM CURB.

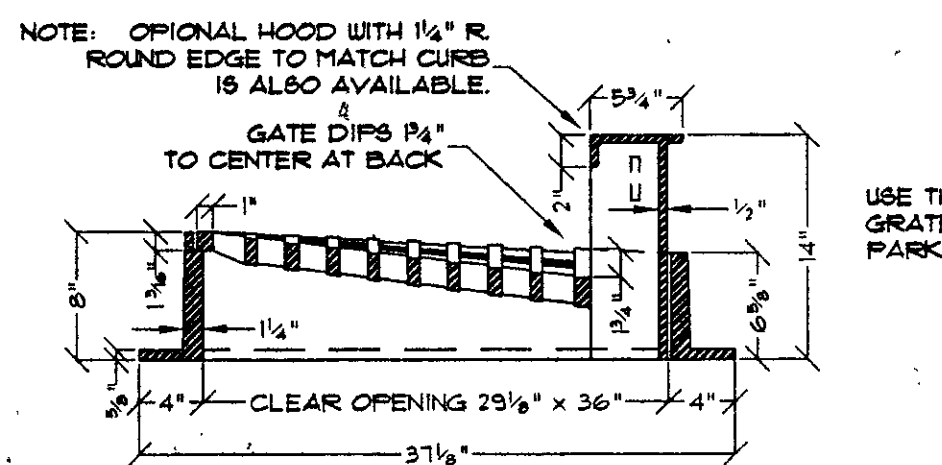
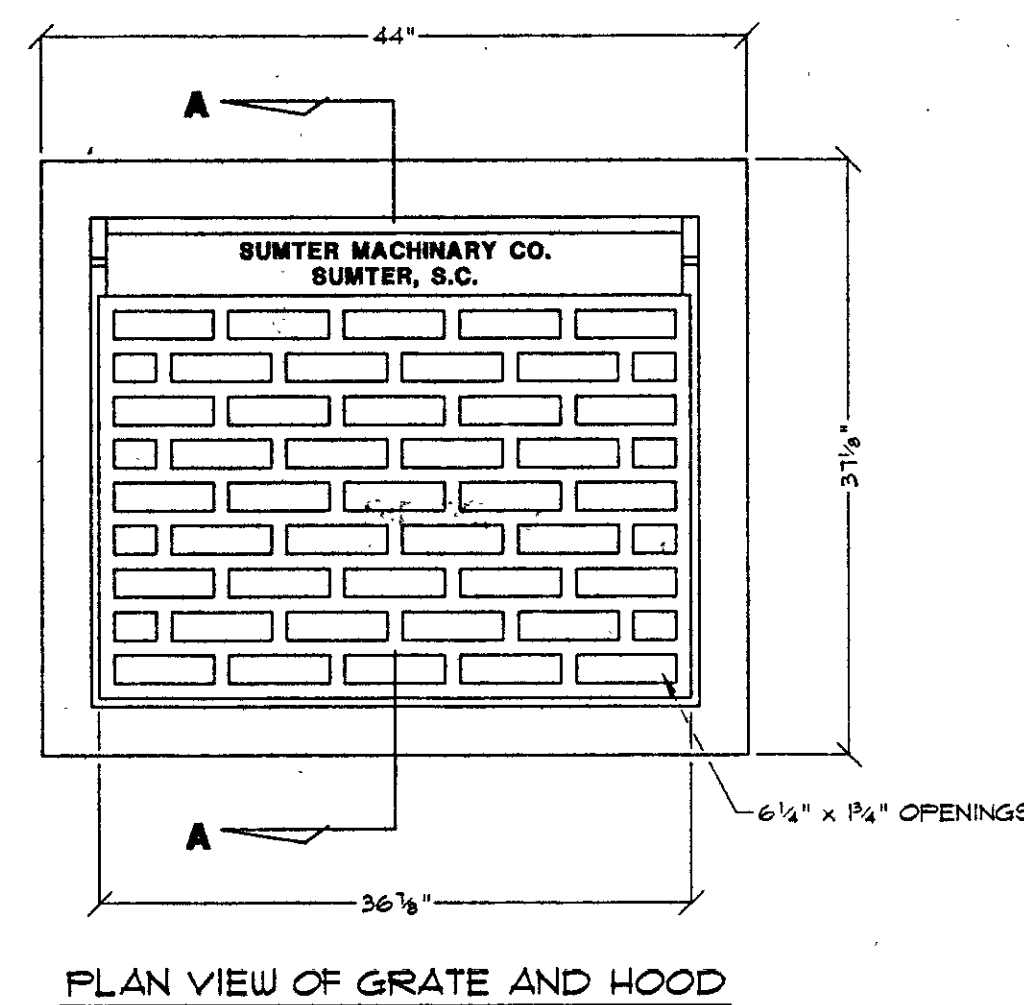
CONTRACTION JOINTS AT 5'-0" O.C. TOoled 1/4" (4/16"-0") WIDE, 1" OR MAX D/4 DEEP WHICHEVER IS GREATER. EXPANSION JOINTS AT 20' MAX & ALL P.C.'S, UNLESS APPROVED OR INDICATED OTHERWISE ON PLAN VIEW JOINT PATTERN.

WHERE SIDEWALK ABUTTS CURB, MATCH JOINT SPACING TO SIDEWALK.

CONCRETE CURB AND GUTTER SECTION
SCALE: 1" = 1'-0"



CURB AND GUTTER/SIDEWALK
SCALE: 1" = 1'-0"

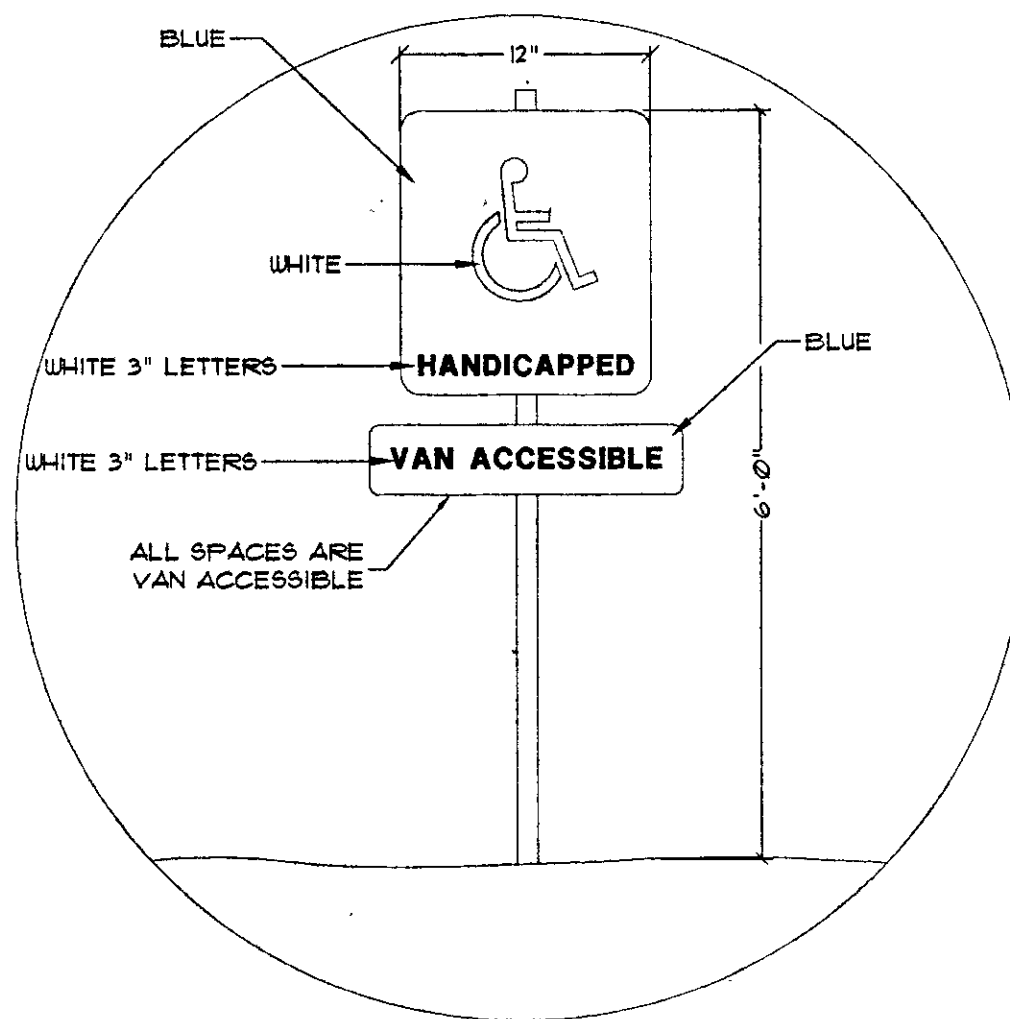


NOTE: PAVEMENT 1/4" ABOVE GUTTER WHEN SLOPED TO CURB, FLUSH WITH GUTTER WHEN SLOPED AWAY FROM CURB.

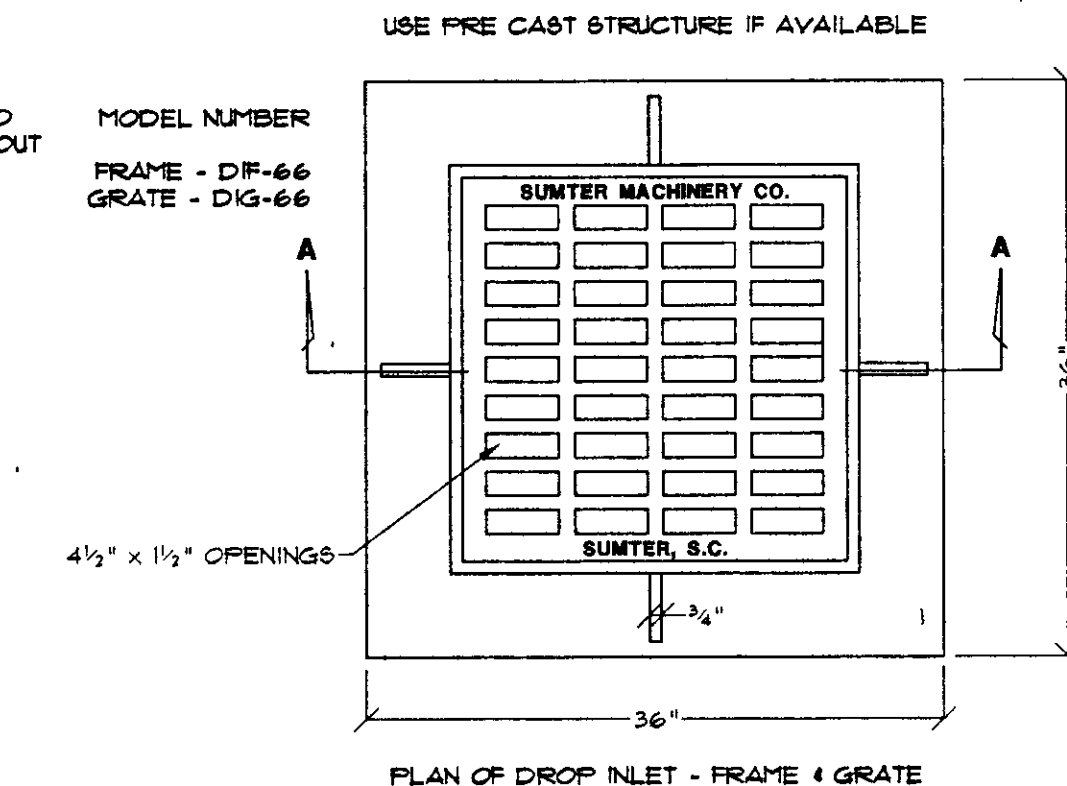
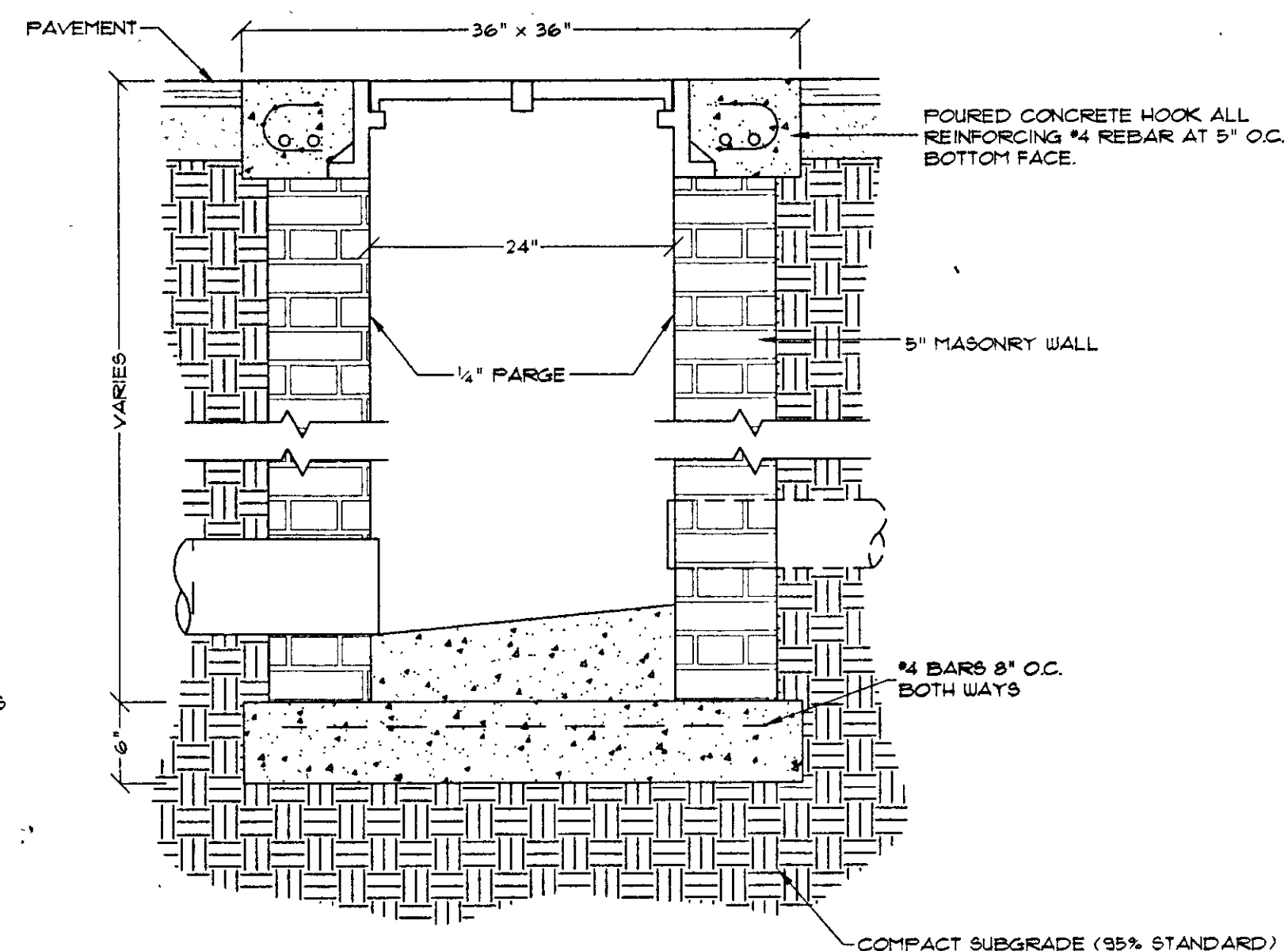
CONTRACTION JOINTS AT 5'-0" O.C. TOoled 1/4" (4/16"-0") WIDE, 1" OR MAX D/4 DEEP WHICHEVER IS GREATER. EXPANSION JOINTS AT 20' MAX & ALL P.C.'S, UNLESS APPROVED OR INDICATED OTHERWISE ON PLAN VIEW JOINT PATTERN.

WHERE SIDEWALK ABUTTS CURB, MATCH JOINT SPACING TO SIDEWALK.

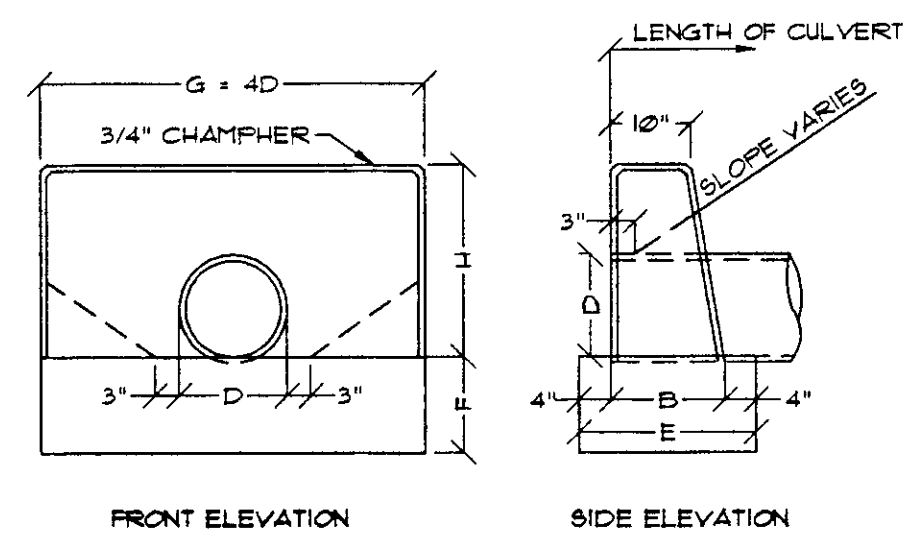
CURB INLET GRATE
NOT TO SCALE



HANDICAPPED SIGN DETAIL
NTS



CATCH BASIN & GRATE
NOT TO SCALE



NOTE: WHEN DITCH PAVING IS SPECIFIED, RECESS SURFACE OF FOOTING TO ACCOMMODATE THICKNESS OF DITCH PAVING.

DIMENSIONS						QUANTITIES			
						ONE STRAIGHT ENDWALL FOR CONCRETE PIPE			
D	AREA SQ. FT.	G	H	B	E	CUBIC FEET WALL	FOOT	TOTAL CU. FT.	CONC. IN WALL FTG. FOR EACH ADD'L PIPE LINE
12"	0.8	4'-0"	2'-0"	1'-2"	1'-10"	12	73	145	0.34
15"	1.2	5'-0"	2'-3"	1'-2"	1'-2"	9.5	10.7	20.6	0.32
18"	1.8	6'-0"	2'-6"	1'-3"	1'-3"	13.6	14.4	28.0	0.38
24"	3.1	8'-0"	3'-0"	1'-4"	1'-4"	22.3	21.3	43.6	0.52
30"	4.9	10'-0"	3'-6"	1'-6"	1'-6"	34.7	32.5	67.2	0.73
36"	7.1	12'-0"	4'-6"	1'-8"	1'-8"	50.5	46.7	96.2	0.91
42"	9.6	14'-0"	4'-6"	1'-10"	2'-0"	70.3	70.0	140.3	1.33
48"	12.6	16'-0"	5'-0"	2'-1"	2'-0"	96.5	88.0	184.5	1.64

* FOR EACH ADDITIONAL PIPE LINE, 12" TO 30" ADD 1'-6" PLUS 1D, 30" AND ABOVE ADD 2'-0" PLUS 1D.

** USE THESE FIGURES AND BUILD ENDWALL.

STRAIGHT ENDWALL - TYPE 1
NOT TO SCALE