EXPANSION - U. S. ARMY RESERVE CENTER

CHARLOTTE, NORTH CAROLINA

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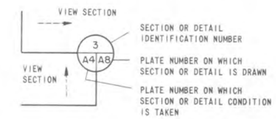
STANDARD ABBREVIATIONS

A		CAP	WTR.BAR.	CAPILLARY WATER BARRIER		H		L		REINF.	REINFORCING
A.B	ANCHOR BOLT	CKT.	CIRCUIT	EL.	ELEVATION	H.	HIGH	LB.#	POUND	REQ.	REQUIRED
A.C.	AIR CONDITIONED	CL.	CENTER LINE	ELEC.	ELECTRIC	H.B.	HOSE BIBB	LG.	LONG	RET.	RETURN
A.D.	AREA DRAIN	CEIL.	CEILING	EQUIP.	EQUIPMENT	H.C.	HOLLOW CORE	L.P.	LIGHTING PANEL	R.G.	RETURN GRILLE
A.H.U.	AIR HANDLING UNIT	CL.	CLOSET	E.W.C.	ELECTRIC WATER COOLER	HT.	HEIGHT	LTG.	LIGHTING	RM.	ROOM
ALT.	ALTERNATE	C.M.U.	CONCRETE MASONRY UNIT	EXH.	EXHAUST	H.M.	HOLLOW METAL			R.P.M.	REVOLUTION/MINUTE
ALUM.	ALUMINUM	C.O.	CLEAN OUT	EXP. JT	EXPANSION JOINT	H.P.	HORSE POWER	M			
AMP., A.	AMPERES	COL.	COLUMN	EXT.	EXTERIOR	HR.	HOUR	MAT'L	MATERIAL	S	
A.O.	ACCESS OPENING	CONC.	CONCRETE	EXIST.	EXISTING	HTG.	HEATING	M.	MOTOR	S.	SUPPLY
APPROX.	APPROXIMATELY	COND.	CONDENSATE			HTR.	HEATER	MAINT.	MAINTENANCE	S.A.	SUPPLY AIR
ARCH.	ARCHITECTURAL	CONN.	CONNECTION	F		H.&V.	HEATING & VENTILATING	MAX.	MAXIMUM	SCH.	SCHEDULE
A.T.	ASPHALT TILE	CONST.	CONSTRUCTION	F.A.	FIRE ALARM	HW.	HARDWARE	M.D.P.	MAIN DISTRIBUTION PANEL	SECT.	SECTION
A.C.ST.	ACOUSTIC TILE CEILING	CONT.	CONTINUOUS	F.C.	FLEXIBLE CONNECTION	HYD.	HYDRANT	MECH.	MECHANICAL	SERV.	SERVICE
A.F.F.	ABOVE FINISHED FLOOR	CONTR. JT.	CONTRACTION JOINT	F.D.	FLOOR DRAIN	HORIZ.	HORIZONTAL	MTL.	METAL	SHT.	SHEET
B		C.T.	CERAMIC TILE	F.E.C.	FIRE EXTINGUISHER CABINET	I		MIN.	MINIMUM	S.J.	SLIP JOINT
BAL.	BALANCE	C.T.B.	CERAMIC TILE BASE	FIN.	FINISH	I.D.	INSIDE DIAMETER	MISC.	MISCELLANEOUS	SPEC.	SPECIFICATIONS
BD.	BOARD	C. TO C.	CENTER TO CENTER	FL.	FLOOR	I.E.	INVERT	M.O.	MASONRY OPENING	SQ.FT.	SQUARE FEET
BLDG.	BUILDING			FT.	FOOT-FEET	IN.	INCHES	M.T.	METAL THRESHOLD	ST.	STEEL
BLKG	BLOCKING	D		FTG.	FOOTING	INCAND.	INCANDESCENT	MTD.	MOUNTED	STOR.	STORAGE
BM.	BEAM	DBL	DOUBLE	FR	FIRE RATED	INSUL.	INSULATION	MTG.	MOUNTING	STRUC.	STRUCTURAL
BOT.	BOTTOM	DET.	DETAIL	G		INT.	INTERIOR	M.V.	MECHANICAL VENTILATION	SUSP.	SUSPENDED
BRG.	BEARING	DIA.	DIAMETER			INF.	INFORMATION	M.G.T.	MATT GLAZE TILE	SW.	SWITCH
B.T.U.H.	BRITISH THERMO UNIT/HR.	DIFF.	DIFFUSER	GA.	GAGE			MED.	MEDIUM	SIM.	SIMILAR
B.U.	BUILT-UP	DIM.	DIMENSION	GAL.	GALLON	J		N		T	
C		DISC.	DISCONNECT	GALV.	GALVANIZED	J.B.	JUNCTION BOX			T.B.	TACKBOARD
CAB.	CABINET	D.J.	DUMMY JOINT	G.F.E.	GOVERNMENT FURNISHED EQUIPMENT	JCT.	JUNCTION	N.A.	NOT APPLICABLE	TEL.	TELEPHONE
CAP.	CAPACITY	DN.	DOWN	G.L.	GLASS	JT.	JOINT	N.I.C.	NOT IN CONTRACT	TEMP.	TEMPERATURE
C/B	CIRCUIT BREAKER	DR.	DRAIN	GND.	GROUND	JST.	JOIST	NO.	NUMBER	THK.	THICKNESS
C.D.	CEILING DIFFUSER	D.S.	DOWN SPOUT	GOV'T	GOVERNMENT	K		O		THD.	THRESHOLD
CEM.	CEMENT	DWG.(S)	DRAWING(S)	G.P.H.	GALLONS/HR.	KVA	KILOVOLT AMPERE	O.A.	OUTDOOR AIR		
CER.	CERAMIC	D.F.	DRINKING FOUNTAIN	G.P.M.	GALLONS/MIN.	KW.	KILOWATT	O.C.	ON CENTER		
C.F.M.	CUBIC FEET/MINUTE	E		GR.	GRILLE	KJ	CONSTRUCTION JOINT	O.D.	OUTSIDE DIAMETER		
CIRC.	CIRCULATING	EA.	EACH	G.W.B.	GYPSUM WALL BOARD			RECP.	RECEPTACLE		
C.J.	CONTROL JOINT	E.C.	EMPTY CONDUIT	GYP.	GYPSUM			REG.	REGISTER		
CK'D	CHECKED	E.F.	EXHAUST FAN					R.D.	ROOF DRAIN		
CORR	CORRUGATED										
CB	CHALKBOARD										

OPNG.	OPENING	T/	TOP OF								
OPP.	OPPOSITE	TOIL.	TOILET								
O.S.D.	OPEN SIGHT DRAIN	TYP.	TYPICAL								
P		T.D.	TREATED								
PROJ.	PROJECTION	V									
P.	PAPER	V.	VOLT								
PART.	PARTITION	VAT.	VINYL ASBESTOS TILE								
PER.	PERIMETER	VENT.	VENTILATION								
PL.	PLATE	VERT.	VERTICAL								
PLBG.	PLUMBING	VTR	VENT THRU ROOF								
PLYW'D	PLYWOOD	W									
PNL.	PANEL	W.	WATT								
PRESS.	PRESSURE	W/	WITH								
PSF	POUNDS/SQUARE FOOT	WD.	WOOD								
PSI	POUNDS/SQUARE INCH	W.D.	WINDOW DIMENSION								
PSIG	POUNDS/SQUARE INCH GAGE	WF	WIDE FLANGE								
PT.	POINT	W.G.	WATER GAGE								
PTD.	PAINTED	WP.	WEATHERPROOF								
PAVMT.	PAVEMENT	WTR.	WATER								
Q		W.W.F.	WELDED WIRE FABRIC								
QTR.	QUARTER	W.R.	WATER RESISTANT								
QUAN.	QUANTITY										
Q.T.	QUARRY TILE										
R											
R.	RISER										
R.A.	RETURN AIR										
RAD.	RADIUS										
RD.	ROUND										
REC'D	RECESSED										
RECIRC.	RECIRCULATING										

SYMBOL	ZONE	DESCRIPTION	DATE	BY
		REVISIONS		

SECTION SYMBOLS



SYMBOL WHERE SECTION IS TAKEN

SECTION / DETAIL 3 / A4/A8

TITLE WHERE SECTION IS DRAWN

A — IDENTIFICATION LETTER WHERE ELEVATION IS TAKEN

ELEVATION A — TITLE WHERE ELEVATION IS SHOWN

ELEVATION SYMBOL

MATERIAL INDICATIONS

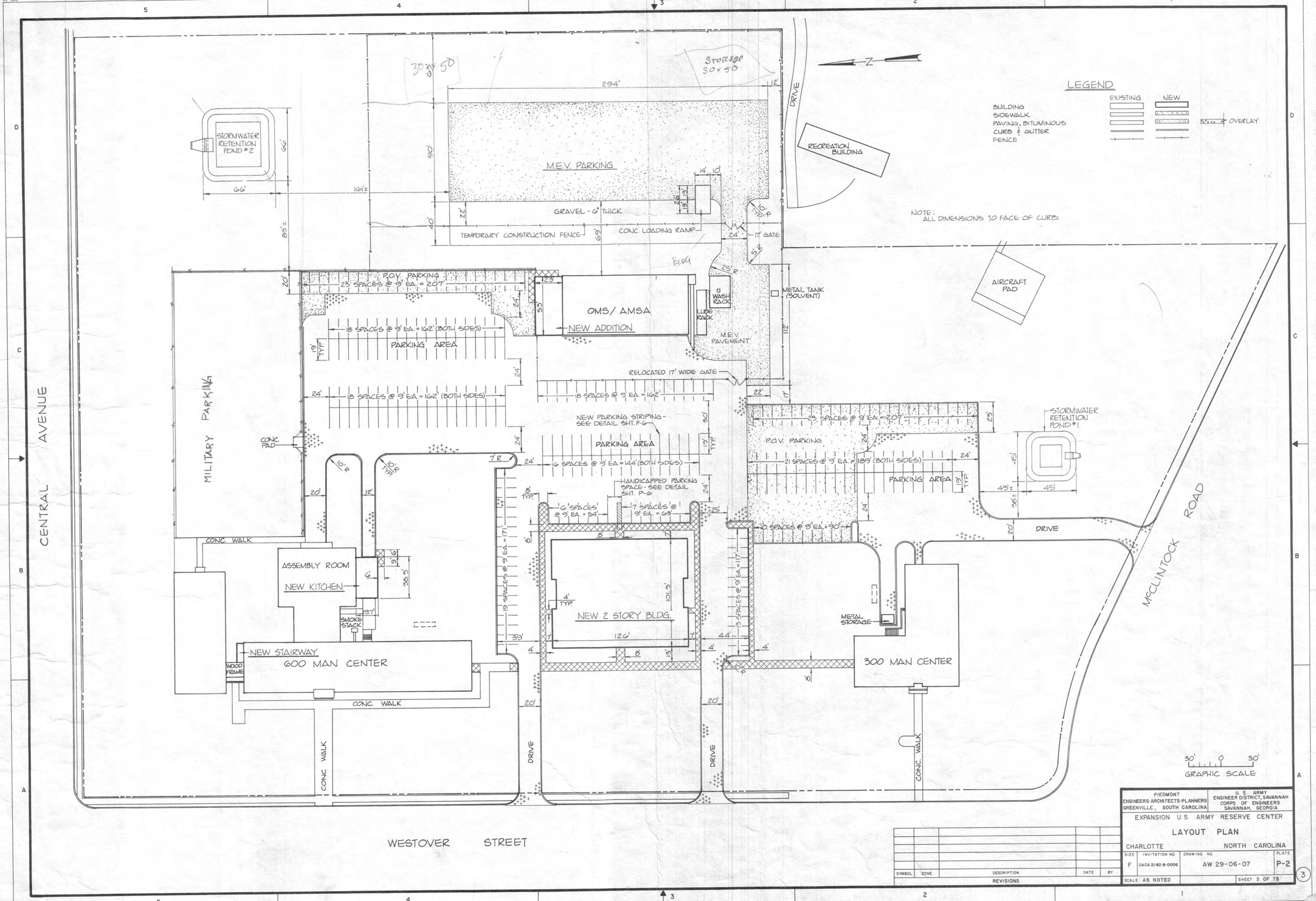
- EARTH (ORIGINAL GRADE)
- EARTH (COMPACTED FILL)
- GRAVEL
- CONCRETE
- MORTAR - CEMENT - PLASTER - STUCCO
- CONCRETE MASONRY UNITS (C.M.U., SMALL SCALE)
- CONCRETE MASONRY UNITS (C.M.U., LARGE SCALE)
- CONCRETE BLOCK OR HOLLOW TILE
- METAL (ELEVATION)
- STEEL (CROSS SECTION)
- INSULATION (RIGID)
- INSULATION (LOOSE OR BATT)
- BRICK
- WOOD (BLOCKING)
- WOOD (FINISH)

BASIC DESIGN DATA

REDUCED ONE-HALF THE ORIGINAL SIZE

DSGN:	CHK:
PREPARED BY: George W. McDavid (1-5-81) PRINCIPAL OF FIRM	PIEDMONT ENGINEERS-ARCHITECTS-PLANNERS GREENVILLE SOUTH CAROLINA
RECOMMENDED: CHIEF, MIL PROGRAMS BRANCH	U. S. ARMY ENGINEER DISTRICT, SAVANNAH CORPS OF ENGINEERS SAVANNAH, GEORGIA
APPROVAL RECOMMENDED: CHIEF, ENGINEERING DIVISION	EXPANSION U. S. ARMY RESERVE CENTER
APPROVED: Charles E. Kenney COL, CORPS, DISTRICT ENGINEER	INDEX OF DRAWINGS
DATE: 9 JULY 1981	CHARLOTTE NORTH CAROLINA
SIZE: F	INVITATION NO.: DACA 21-82-B-0006
DRAWING NO.: AW 29-06-07	PLATE: X-1
SCALE: AS NOTED	SHEET: 1 OF 78

FORMAT



LEGEND
EXISTING
NEW
BUILDING
SIDEWALK
PAVING, BITUMINOUS
CURB & GUTTER
FENCE
OVERLAY
NOTE:
ALL DIMENSIONS TO FACE OF CURB.
STORMWATER RETENTION POND #2
STORMWATER RETENTION POND #1
M.E.V. PARKING
GRAVEL - 6" THICK
TEMPORARY CONSTRUCTION FENCE
CONC. LOADING RAMP
17' GATE
RECREATION BUILDING
DRIVE
AIRCRAFT PAD
METAL TANK (SOLVENT)
WASH RACK
LUBE RACK
M.E.V. PAVEMENT
OMS/ AMSA
NEW ADDITION
P.O.V. PARKING
23 SPACES @ 9' EA. = 207'
18 SPACES @ 9' EA. = 162' (BOTH SIDES)
PARKING AREA
RELOCATED 17' WIDE GATE
NEW PARKING STRIPING - SEE DETAIL SHT. P-6
16 SPACES @ 9' EA. = 144' (BOTH SIDES)
HANDICAPPED PARKING SPACE - SEE DETAIL SHT. P-6
6 SPACES @ 9' EA. = 54'
7 SPACES @ 9' EA. = 63'
21 SPACES @ 9' EA. = 189' (BOTH SIDES)
10 SPACES @ 9' EA. = 90'
19 SPACES @ 9' EA. = 171'
13 SPACES @ 9' EA. = 117'
MILITARY PARKING
CONC. PAD
CONC. WALK
ASSEMBLY ROOM
NEW KITCHEN
SMOKE STACK
NEW STAIRWAY
600 MAN CENTER
WOOD FRAME
NEW 2 STORY BLDG.
METAL STORAGE
300 MAN CENTER
CENTRAL AVENUE
WESTOVER STREET
McCLINTOCK ROAD
30' 0 30'
GRAPHIC SCALE
PIEDMONT ENGINEERS-ARCHITECTS-PLANNERS GREENVILLE, SOUTH CAROLINA
U. S. ARMY ENGINEER DISTRICT, SAVANNAH CORPS OF ENGINEERS SAVANNAH, GEORGIA
EXPANSION U.S. ARMY RESERVE CENTER
LAYOUT PLAN
CHARLOTTE NORTH CAROLINA
SIZE F
INVITATION NO. DACA 21-82-B-0006
DRAWING NO. AW 29-06-07
PLATE P-2
SCALE: AS NOTED
SHEET 3 OF 78
SYMBOL ZONE DESCRIPTION DATE BY
REVISIONS

CHARLOTTE PARK AND RECREATION COMMISSION

LEGEND

	EXISTING	NEW	REMOVE
BUILDING			
SIDEWALK			
PAVING, BITUMINOUS			
FENCE			
TREES	16" OAK		22" OAK
STORM DRAINAGE LINE	SD	SD	
CONTOURS	715	715	
CATCH BASIN			
CURB & GUTTER			
CONTINUOUS SPLITSPOON BORING	CS-1		
AUGER BORING	A-3		
TEST PIT	TP-1		
SPOT ELEVATION	730.42	731.10	
SIGN			
CLEANOUT		C.O.	
MANHOLE			
ROOF DRAIN		RD	

OVERLAY

CHARLOTTE PARK AND RECREATION COMMISSION

NOTES:

1. SEE APPENDIX "A" OF SPECS FOR COMPLETE BORING LOGS.
2. TEST PITS HAVE BEEN EXCAVATED AS A PART OF THE SUBSURFACE INVESTIGATION & WERE BACKFILLED WITHOUT COMPACTION. TO ELIMINATE SOFT SPOTS IN THE FOUNDATION EACH TEST PIT SHALL BE REEXCAVATED TO A DEPTH OF 9 FEET BELOW THE EXISTING GROUND SURFACE & TO A MIN. BASE DIMENSION OF 10 × 10 FEET. ALL TEST PITS SHALL BE LOCATED & FLAGGED IN THE FIELD BY THE CONTRACTOR PRIOR TO CLEARING, GRUBBING & STRIPPING OPERATIONS. AFTER COMPLETION OF THE EXCAVATION, THE ENTIRE EXCAVATION SHALL BE BACKFILLED W/A SELECT BACKFILL MATERIAL MEETING ONE OF THE FOLLOWING CLASSIFICATIONS: GM, GP, GW, SM, SP, SW OR SC. THE FIRST LIFT OF BACKFILL SHALL BE PLACED AT A THICKNESS OF 2.0 FEET AND COMPACTED W/A HAND-OPERATED POWER-TAMPER (MIN. STATIC WEIGHT-100 LBS.). ALL SUBSEQUENT FILL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8" & COMPACTED WITH THE ABOVE-MENTIONED POWER-TAMPER TO AT LEAST 95% OF THE MAX. DRY DENSITY AS DETERMINED BY THE MODIFIED COMPACTION TEST, ASTM D1557-70, METHOD D.
3. FOR C.B. #3, #4, #8 & #9 - SEE PAVEMENT SUBDRAIN DETAIL ON SHEET P-4.

GRAPHIC SCALE 30' 0 30'

PIEDMONT ENGINEERS-ARCHITECTS-PLANNERS GREENVILLE, SOUTH CAROLINA	U.S. ARMY ENGINEER DISTRICT, SAVANNAH CORPS OF ENGINEERS SAVANNAH, GEORGIA

EXPANSION U.S. ARMY RESERVE CENTER

GRADING, PAVING & DRAINAGE PLAN

CHARLOTTE NORTH CAROLINA

SIZE	INVITATION NO.	DRAWING NO.	PLATE
F	DACA 21-82-B-0006	AW 29-06-07	P-3

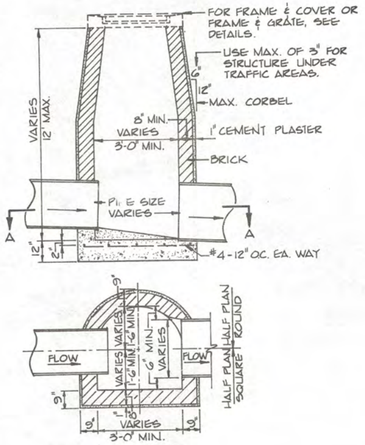
SCALE: AS NOTED — SHEET 4 OF 78

SYMBOL	ZONE	DESCRIPTION	DATE	BY

REVISIONS

4

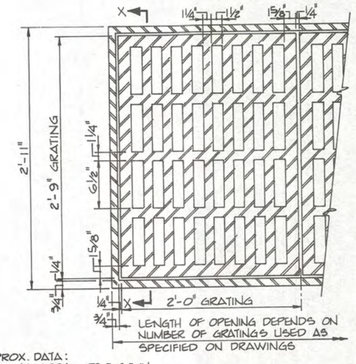
FORMAT 5



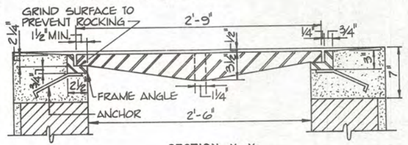
SECTION A-A

NOTE:
EITHER CIRCULAR, RECTANGULAR OR SQUARE MANHOLES OR INLETS MAY BE USED IF DESIRED, BUT CIRCULAR MANHOLES OR INLETS WILL BE REQUIRED WHEN ONE SIDE OR DEPTH DIMENSION IS 6'-0" OR GREATER. LADDER RUNGS NOT REQUIRED.

DETAIL A-
DETAILS FOR MANHOLE OR TYPE "A" INLET
NOT TO SCALE



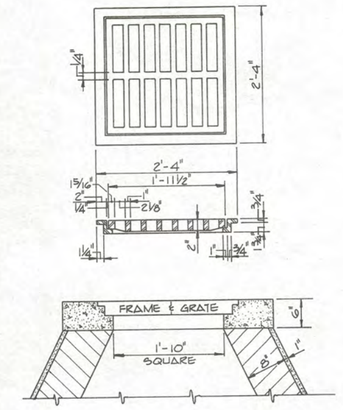
APPROX. DATA:
GRATING AREA = 750 SQ. IN.
WATERWAY AREA = 430 SQ. IN.
WEIGHT OF GRATE = 260#
WEIGHT OF FRAME = ANGLE 12#/LF



SECTION X-X

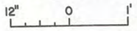
NOTE:
SIMILAR FRAMES AND GRATES DIFFERING ONLY IN NON-ESSENTIAL DETAILS WILL BE ACCEPTABLE.

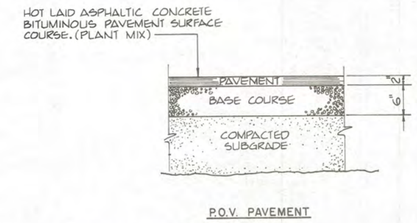
DETAIL C-
TYPE A INLET- FRAME & GRATE DETAILS HEAVY DUTY VEHICULAR TRAFFIC TYPE
SCALE: 1 1/2" = 1'-0"



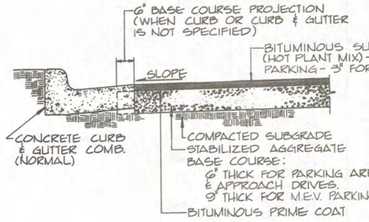
NOTE:
WATERWAY OPENING SHALL BE 288 SQUARE INCHES MIN. SIMILAR FRAMES & GRATES DIFFERING ONLY IN NON-ESSENTIAL DETAILS WILL BE ACCEPTABLE. WEIGHT OF GRATE TO BE NOT LESS THAN 160 LBS.

DETAIL E-
FRAME AND TYPE "E" GRATE DETAILS FOR TYPE "A" INLETS FOR GRASSED AREAS ONLY
SCALE: 1" = 1'-0"

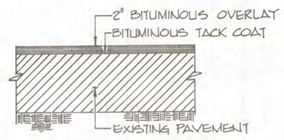




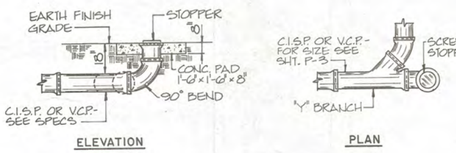
PAVEMENT DETAIL
NO SCALE



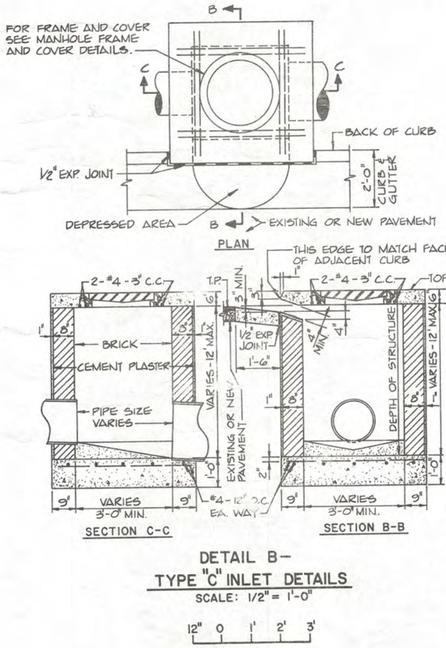
BITUMINOUS PAVEMENT DETAIL
NO SCALE



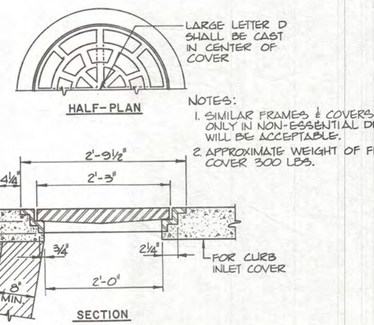
OVERLAY PAVEMENT DETAIL
NO SCALE



CLEANOUT DETAIL
NOT TO SCALE

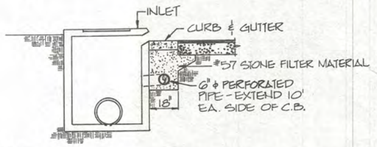


DETAIL B-
TYPE "C" INLET DETAILS
SCALE: 1/2" = 1'-0"



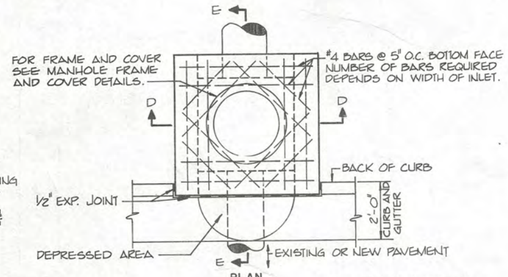
NOTES:
1. SIMILAR FRAMES & COVERS DIFFERING ONLY IN NON-ESSENTIAL DETAILS WILL BE ACCEPTABLE.
2. APPROXIMATE WEIGHT OF FRAME & COVER 300 LBS.

DETAIL D-
FRAME AND COVER DETAILS FOR CURB INLETS AND MANHOLES IN TURF AREAS
NOT TO SCALE



NOTE:
PROVIDE BASE COURSE SUBDRAINAGE ON C.B.'S 3, 4, 8, & 9.

BASE COURSE SUBDRAIN DETAIL
NOT TO SCALE



DETAIL F-
COMBINATION TYPE "C" AND WEIR INLET DETAILS
SCALE: 1/2" = 1'-0"

SYMBOL	ZONE	DESCRIPTION	DATE	BY
		REVISIONS		

PIEDMONT ENGINEERS-ARCHITECTS-PLANNERS GREENVILLE, SOUTH CAROLINA

U. S. ARMY ENGINEER DISTRICT, SAVANNAH CORPS OF ENGINEERS SAVANNAH, GEORGIA

EXPANSION U.S. ARMY RESERVE CENTER

STORM DRAINAGE & PAVING DETAILS

CHARLOTTE NORTH CAROLINA

SIZE	INVITATION NO.	DRAWING NO.	PLATE
F	DACA 21-82-B-0006	AW 29-06-07	P-4
SCALE: AS NOTED		SHEET 5 OF 78	

5

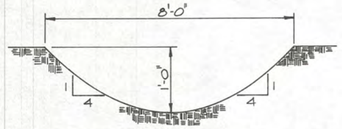
FORMAT 6
BLACK - P. P-4

STORM DRAINAGE PIPE AND STRUCTURE SCHEDULE

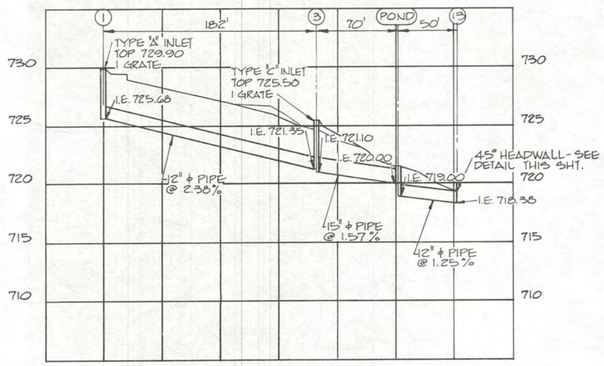
STRUCTURE FROM	STRUCTURE TO	HORIZ. DISTANCE BETWEEN STRUCT. (IN FT.)	CONCRETE OR SMOOTH INT. C.M. PIPE DIA. INCHES	SLOPE %	INVERT ELEV. DOWN STREAM	INVERT ELEV. UP STREAM	PIPE CLASS	GAGE C.M.	STRUCTURE NO.	TYPE OF STRUCTURE	DEPTH OF STR. (IN FT.)	TOP OF STRUCT.	TYPE GRATE	NO. OF GRATES	REMARKS
1	3	182	12	2.38	721.95	725.68	III	16	1	C.B.	4.22	729.90	E	1	
									3	C.B.	4.40	725.50	C	1	CURB INLET
4	3	167	12	1.35	721.35	723.60	III	16	4	C.B.	4.00	727.60	C	1	CURB INLET
2	5	241	12	1.94	720.57	725.24	III	16	2	C.B.	5.61	730.85	C	1	CURB INLET
									5	C.B.	2.88	723.20	E	1	
5	7	152	15	0.80	719.10	720.32	III	16	7	M.H.	3.70	722.80	M.H.	1	M.H. FRAME & COVER
7	8	90	15	0.80	718.38	719.10	III	16	8	C.B.	6.62	724.25	A	3	
8	9	172	24	0.60	716.60	717.63	III	16	9	C.B.	8.00	724.10	A	2	
9	POND	119	18	4.24	711.05	716.10	III	16	POND	POND	2.00	713.50			
POND	10	95	18	3.67	701.51	710.70	III	16	10	M.H.	9.00	705.00	M.H.	1	M.H. FRAME & COVER
10	12	47	15	10.50±	EXIST.	696.00	III	16	12	C.B.	6.00±	697.05±	C	1	CURB INLET
11	6	199	12	2.56	723.50	728.60	III	16	11	C.B.	4.00	732.60	E	1	
6	8	179	12	2.59	718.86	723.50	III	16	6	C.B.	4.00	727.50	C	1	CURB INLET W/WEIR
3	POND	70	15	1.57	720.00	721.10	III	16	POND	POND	2.00	721.50			
POND	13	50	12	1.25	718.38	719.00	III	16	13	HEADWALL					PIPE DAYLIGHTS HERE

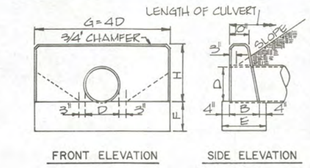
NOTES:

1. PIPE LENGTHS SHOWN ON PLANS OR IN TABLES ARE SCALED DISTANCES. ACTUAL LENGTHS OF PIPE NEEDED SHALL BE DETERMINED IN THE FIELD.
2. PIPE CLASS IS BASED ON A D-LOAD, AS APPLIED TO REINFORCED CONCRETE PIPE AND IS THE TEST LOAD IN POUNDS PER LINEAR FOOT PER FOOT OF DIAMETER TO PRODUCE ULTIMATE FAILURE.
3. WHEN CONCRETE APRON IS SPECIFIED AROUND INLET IN GRASSED AREAS, THE INLET ELEVATIONS RECORDED IN TABLE ABOVE SHALL BE SUMPED 4 INCHES.
4. THE TOP ELEVATION OF MANHOLES, INLETS AND GRATES MAY BE ADJUSTED AS APPROVED BY THE CONTRACTING OFFICER TO COINCIDE WITH FINAL FINISHED GRADES.
5. C.M. PIPE MAY BE EITHER STEEL OR ALUMINUM ALLOY PIPE AS COVERED IN THE JOB SPECIFICATIONS.



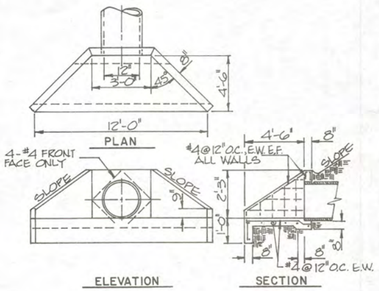
SWALE DETAIL
NOT TO SCALE



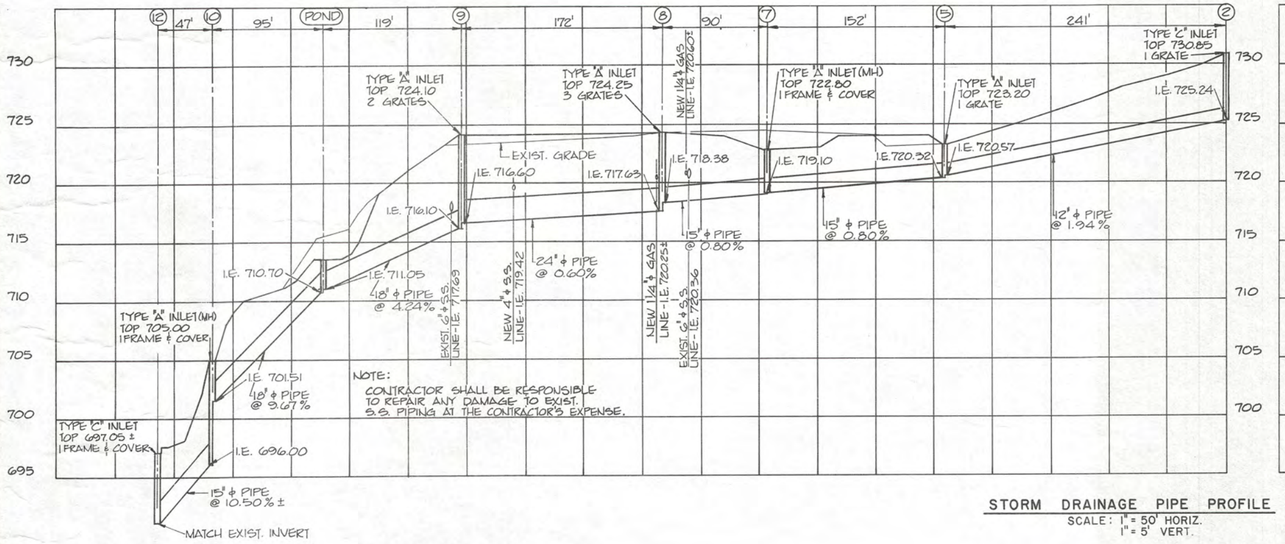


D	G	H	B	E	F
12"	4'-0"	2'-0"	1'-2"	1'-10"	1'-0"
18"	6'-0"	2'-6"	1'-3"	1'-11"	1'-3"

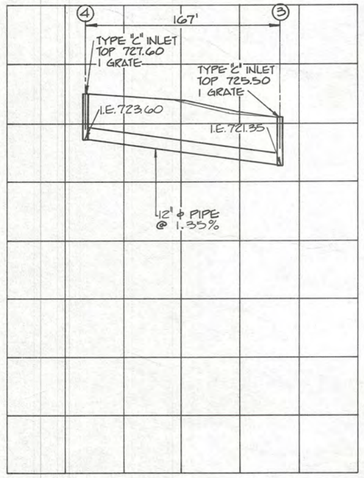
STRAIGHT HEADWALL DETAIL
NOT TO SCALE

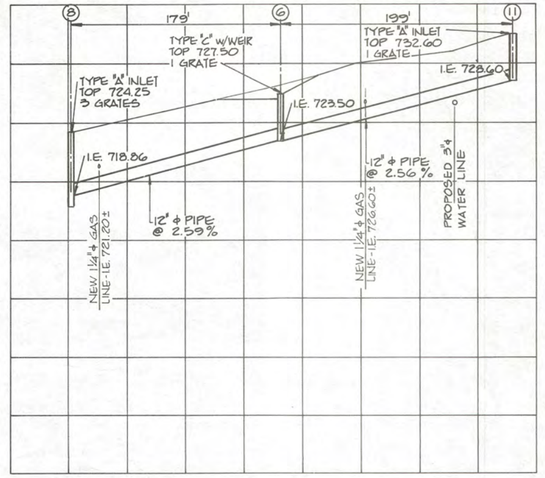


45° HEADWALL DETAIL
NOT TO SCALE



STORM DRAINAGE PIPE PROFILE
SCALE: 1" = 50' HORIZ.
1" = 5' VERT.





SYMBOL	ZONE	DESCRIPTION	DATE	BY
		REVISIONS		

PIEDMONT ENGINEERS·ARCHITECTS·PLANNERS GREENVILLE, SOUTH CAROLINA	U.S. ARMY ENGINEER DISTRICT, SAVANNAH CORPS OF ENGINEERS SAVANNAH, GEORGIA

EXPANSION U.S. ARMY RESERVE CENTER

STORM DRAINAGE SCHEDULE & PROFILE

CHARLOTTE NORTH CAROLINA

SIZE	INVITATION NO.	DRAWING NO.	PLATE
F	DACA 21-82-B-0006	AW 29-06-07	P-5
SCALE: AS NOTED		SHEET 6 OF 78	

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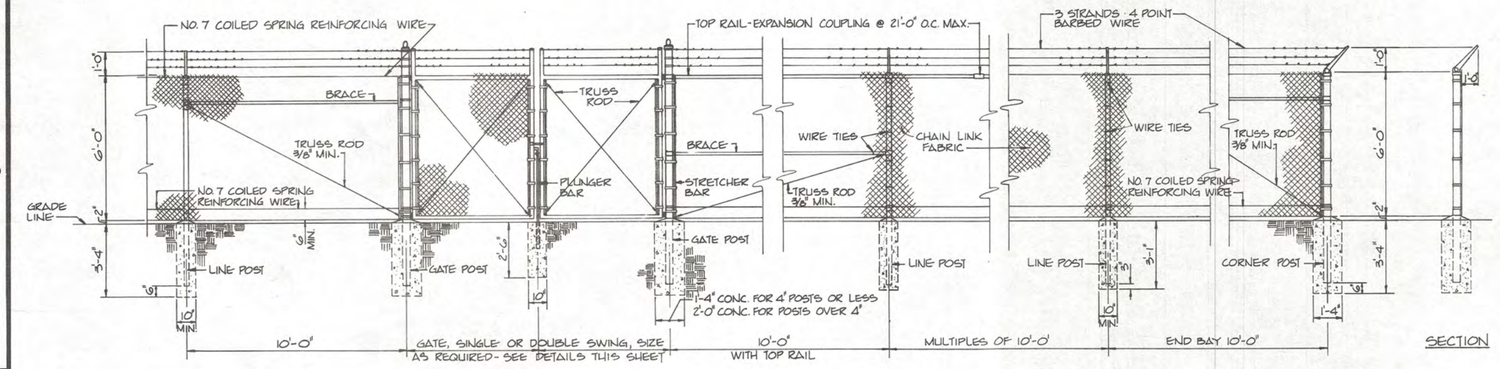
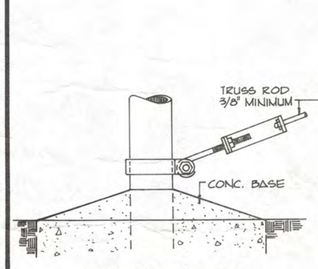
FORMAT 6

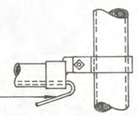


CHAIN LINK FABRIC FENCE - TYPE FE-6

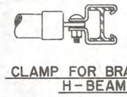
SCALE: 3/8" = 1'-0"



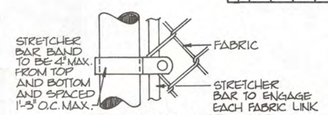
TRUSS ROD & BAND



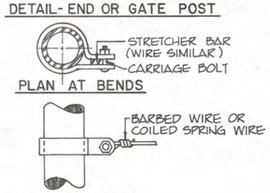
CLAMP FOR BRACE RAIL ROUND POST



CLAMP FOR BRACE RAIL H-BEAM

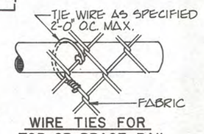


DETAIL - END OR GATE POST

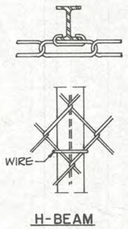


PLAN AT BENDS

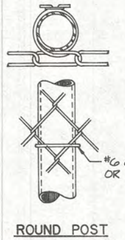
BAND FOR WIRE STRETCHING



WIRE TIES FOR TOP OR BRACE RAIL

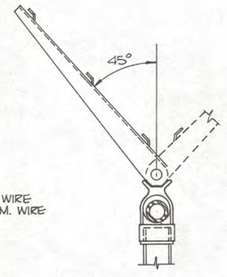


H-BEAM

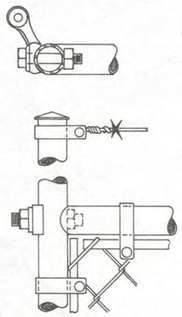


ROUND POST

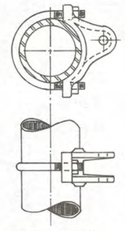
LINE POST ATTACHMENTS
NO SCALE



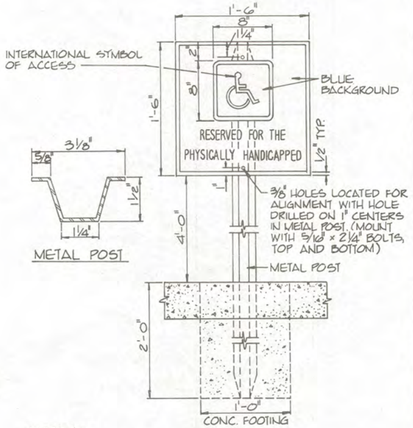
TOP RAIL BARB WIRE ARMS
NO SCALE



GATE FRAME HINGE



POST HINGE



METAL POST

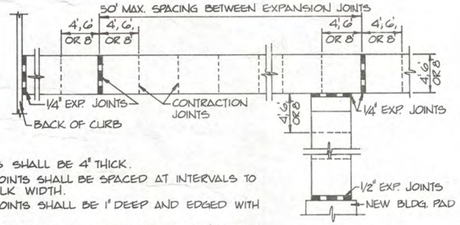
NOTES:

1. METAL POST TO BE GALVANIZED. ALL BOLTS, NUTS, WASHERS AND SCREWS MUST BE RUSTPROOF.
2. CONCRETE FOR FOOTING SHALL BE OF PORTLAND CEMENT AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
3. SIGNS WILL BE FABRICATED BY USING A REFLECTING COATING IN THE SYMBOL, MESSAGE AND BORDERS APPLIED TO A SHEET ALUMINUM BACKING .080" IN THICKNESS.
4. MESSAGE LETTERING SHALL BE UPPER CASE (WHITE) (SERIES B) 2" HIGH IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
5. THE SYMBOL IS COMPOSED OF TWO ELEMENTS, A WHITE WHEELCHAIR FIGURE (WHICH SHOULD ALWAYS FACE RIGHT) ON A SQUARE BACKGROUND, INTERNATIONAL BLUE IN COLOR. (FED. STD. 595 A, COLOR # 15180).

HANDICAPPED PARKING SIGN
NO SCALE

FASTENING DETAILS FOR TUBULAR POST OR H-COLUMNS

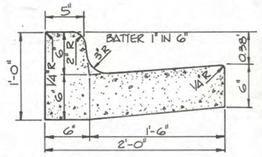
NO SCALE



NOTES:

1. ALL SIDEWALKS SHALL BE 4" THICK.
2. CONTRACTION JOINTS SHALL BE SPACED AT INTERVALS TO EQUAL SIDEWALK WIDTH.
3. CONTRACTION JOINTS SHALL BE 1" DEEP AND EDGED WITH 1/8" RADIUS.
4. 1/2" EXPANSION MATERIAL REQUIRED WHERE CONCRETE SIDEWALK ABUTS CONCRETE STRUCTURE.
5. A LAYER OF 15# FELT IS REQUIRED BETWEEN WALK AND ADJACENT PARALLELING CONCRETE CURB.

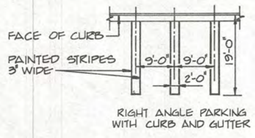
STANDARD JOINT LAYOUT FOR CONCRETE SIDEWALKS
NOT TO SCALE



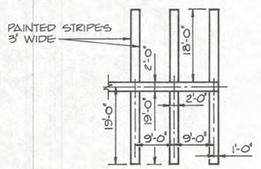
NOTES:

1. CURB AND GUTTER TO BE CONSTRUCTED IN 10 FOOT LENGTHS.
2. 1/2" EXPANSION JOINTS SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 50 FEET, AT THE ENDS AND MID-POINT OF RETURNS, AND AT ANY POINT WHERE THE NEW CURB AND GUTTER ABUTS OTHER CONCRETE STRUCTURES.

CONCRETE CURB AND GUTTER DETAIL
SCALE: 1 1/2" = 1'-0"

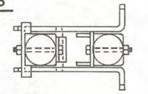


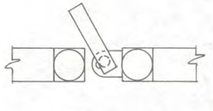
RIGHT ANGLE PARKING WITH CURB AND GUTTER



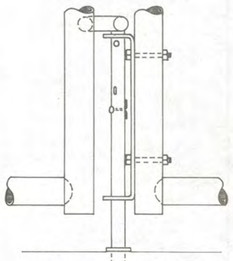
RIGHT ANGLE PARKING WITHOUT CURB AND GUTTER

PAINTING VEHICULAR PARKING STRIPES
NOT TO SCALE

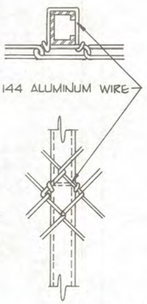




LATCH ASSEMBLY

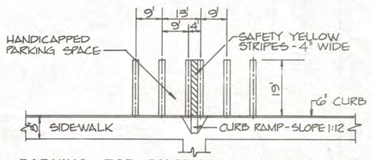


DROP BAR ASSEMBLY

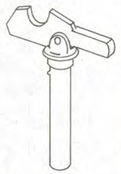


C-SECTION LINE POST ATTACHMENTS
NO SCALE

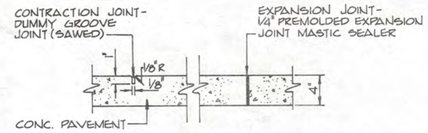
SWING GATE DETAILS
NO SCALE



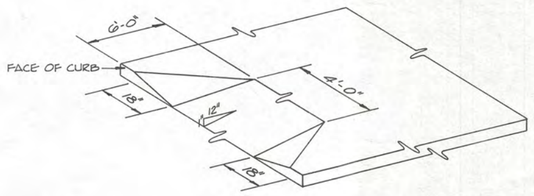
PARKING FOR PHYSICALLY HANDICAPPED
NO SCALE



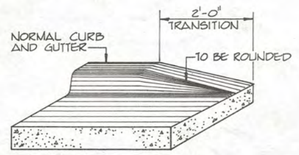
GATE KEEPER
NO SCALE



TYPICAL SIDEWALK SECTION
NOT TO SCALE



HANDICAPPED CURB RAMP
NOT TO SCALE



FEATHERING OF CURB AND GUTTER DETAIL
NOT TO SCALE

SYMBOL	ZONE	DESCRIPTION	DATE	BY
		REVISIONS		

PIEDMONT ENGINEERS-ARCHITECTS-PLANNERS GREENVILLE, SOUTH CAROLINA	U. S. ARMY ENGINEER DISTRICT, SAVANNAH CORPS OF ENGINEERS SAVANNAH, GEORGIA
EXPANSION U.S. ARMY RESERVE CENTER	
MISCELLANEOUS DETAILS, FENCING, & WALKWAYS	
CHARLOTTE	NORTH CAROLINA
SIZE: F	INVITATION NO.: DACA 21-82-B-0006
DRAWING NO.: AW 29-06-07	PLATE: P-6
SCALE: AS NOTED	SHEET 7 OF 78

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FORMAT 6

AF 7288

LEGEND

	EXISTING	NEW	REMOVE
BUILDING			
SIDEWALKS			
PAVING, BITUMINOUS			
AERIAL POWER	—P—		
UNDERGROUND POWER	—UP—		
AERIAL TELEPHONE	—T—		
UNDERGROUND TELEPHONE	—UT—		
WATER	—W—	—W—	—W—
GAS	—G—	—G—	
SANITARY SEWER	—SS—	—SS—	
MANHOLE	○	●	
FENCE	—x—x—x—	—x—x—x—	
STEAM	—S—		
CURB & GUTTER			
THRUST BLOCK		▲	
CLEANOUT		⊸ C.O.	
VALVE & BOX	⋈	⋈	
FIRE HYDRANT			

CENTRAL AVENUE

BM NO 3 "X" ON BOLT TOP FIRE HYD. ELEV. 704.65'

STORMWATER RETENTION POND #2

M.E.V. PARKING

CONC. LOADING RAMP

GRAVEL

JOSAM MODEL GA-30 CAST IRON OIL/GRIT SEPARATOR OR APPROVED EQUAL - PROVIDE COUPLINGS FOR CONNECTION TO EXIST. PIPE MATCH EXIST. PIPE INVERTS

NEW MANHOLE OVER EXIST. 6" ϕ S.S. LINE - MATCH EXIST. INVERT

INV. 717.00

I.E. 719.25

725.14
721.64

4' ϕ MANHOLE FOR OIL STORAGE - TOP 725.00, BTM. 720.00 - SEE DETAIL SHT. W-2

1½" ϕ PIPING TO MH @ 1.0% MIN.

724.81
722.91

WASH RACK

LUBE RACK

METAL TANK (SOLVENT)

OMS / AMSA

NEW ADDITION

PARKING AREA

DRIVE

RECREATION BUILDING

AIRCRAFT PAD

706.15
699.50

BM NO. 2 "X" ON BOLT TOP FIRE HYD. ELEV. 728.84 - REMOVE AND RELOCATE

1 1/4" ϕ

CONC. PAD

4" ϕ @ 1.0% MIN. SLOPE

CUT & PLUG

ABANDON

CONC. THRUST BLOCK - SEE DETAIL SHT. W-2

CONNECT TO EXIST. LINE W/ 3" COUPLING & 1/4 BEND

2½" ϕ

BY GAS CO.

GAS METER

CONC. WALK

ASSEMBLY ROOM

NEW KITCHEN

GREASE INTERCEPTOR - SEE DWG. M-6

C.O.

SMOKE STACK

NEW STAIRWAY

600 MAN CENTER

WOOD FRAME

CONNECT TO EXIST. LINE W/ 3" ϕ COUPLING & 1/8 BEND

NEW 2 STORY BLDG.

REMOVE

INV. EL. 731.00

INV. EL. 730.40

EXIST. 3" ϕ WATER LINE W/ VALVE TO BE REMOVED AND REPLACED W/ 4" ϕ LINE AND VALVE

165' - 6" ϕ SANITARY SEWER @ 0.85% MIN. SLOPE

17' GROUND TO 1 TEL. CABLE - 25' GROUND TO 5 WIRE POWER 35' GROUND TO 6 WIRE POWER

721.21
714.01 IN
713.86 OUT

WESTOVER STREET

NEW MANHOLE OVER EXIST. LINE - TO BE CONSTRUCTED BY CITY OF CHARLOTTE

200'

TOP EL. - MATCH EXIST. PAVEMENT INV. EL. 729.10±

B.M. NO. 1 TOP OF M.H. ELEV. 740.95' INV. 735.20

STORMWATER RETENTION POND #1

PARKING AREA

DRIVE

McCLINTOCK ROAD

METAL STORAGE

300 MAN CENTER

INV. 716.43 N

720.83 TOP
711.13 INV. OUT

719.63
700.78

30 0 30
GRAPHIC SCALE

SYMBOL	ZONE	DESCRIPTION	DATE	BY
		REVISIONS		

DESIGN	CHECK
R.W	T.H

PREPARED BY: George W. McDaniel 11-5-81
PRINCIPAL OF FIRM
REVIEWED:
PROJECT MANAGER
RECOMMENDED:
DIV., PROGRAM & MGMT. BRANCH
DATE: 9 JULY 1981

PIEDMONT ENGINEERS-ARCHITECTS-PLANNERS GREENVILLE, SOUTH CAROLINA

U. S. ARMY ENGINEER DISTRICT, SAVANNAH CORPS OF ENGINEERS SAVANNAH, GEORGIA

EXPANSION U.S. ARMY RESERVE CENTER

UTILITY PLAN & NOTES

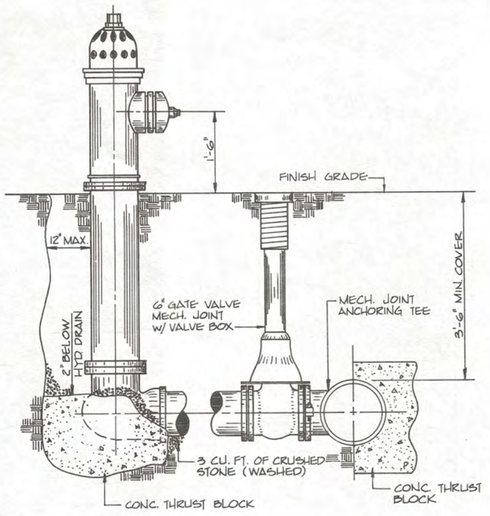
CHARLOTTE NORTH CAROLINA

SIZE	INVITATION NO.	DRAWING NO.	PLATE
F	DACA 21-82-B-0006	AW 29-06-07	W-1

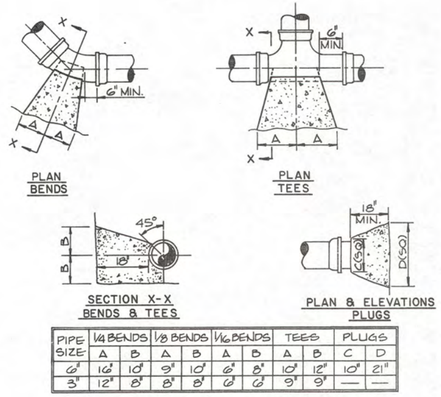
SCALE: AS NOTED SHEET 8 OF 78

8

FORMAT 6

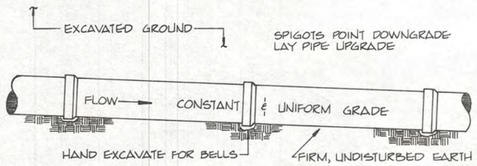


FIRE HYDRANT INSTALLATION DETAIL
NOT TO SCALE

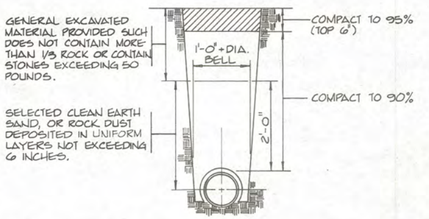


PIPE SIZE	1/4 BENDS		1/8 BENDS		1/16 BENDS		TEES		PLUGS	
	A	B	A	B	A	B	A	B	C	D
6"	16"	10"	9"	10"	6"	8"	10"	12"	10"	21"
3"	12"	8"	8"	8"	6"	6"	9"	9"	—	—

THRUST BLOCK DETAIL
NOT TO SCALE

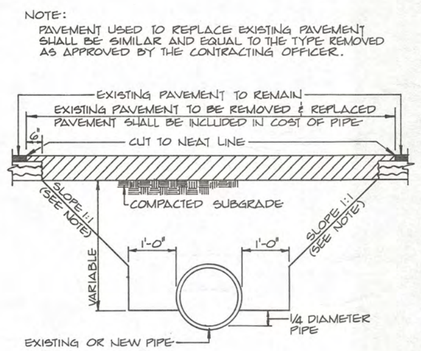


LONGITUDINAL SECTION
TRENCH
NO SCALE



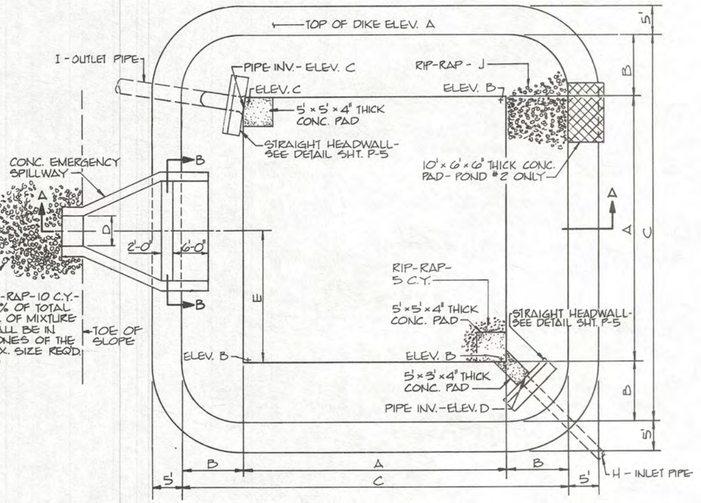
TRANSVERSE SECTION
TRENCH
NO SCALE

NOTE:
PAVEMENT USED TO REPLACE EXISTING PAVEMENT SHALL BE SIMILAR AND EQUAL TO THE TYPE REMOVED AS APPROVED BY THE CONTRACTING OFFICER.

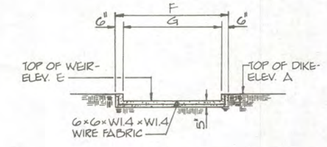


NOTE:
WHERE THE DEPTH EXCEEDS 4 FEET AND SHORING AND BRACING ARE NOT USED, STEEPNESS OF SLOPE SHALL NOT BE GREATER THAN THE ANGLE OF REPOSE OR AS REQUIRED BY SOIL CONDITIONS.

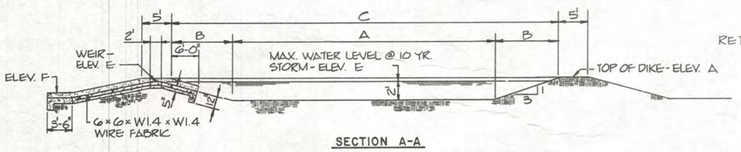
EXCAVATION DETAIL FOR
INSTALLATION OF NEW PIPE BELOW
EXISTING PAVEMENT
NOT TO SCALE



PLAN



SECTION B-B



SECTION A-A

RETENTION POND DIMENSION SCHEDULE

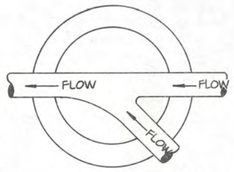
	POND #1	POND #2
A	20'-0"	41'-0"
B	7'-6"	7'-6"
C	35'-0"	56'-0"
D	1'-0"	3'-0"
E	10'-0"	20'-6"
F	3'-6"	10'-0"
G	2'-6"	9'-0"
H	15" ϕ	18" ϕ
I	12" ϕ	18" ϕ
J	——	10 C.Y.

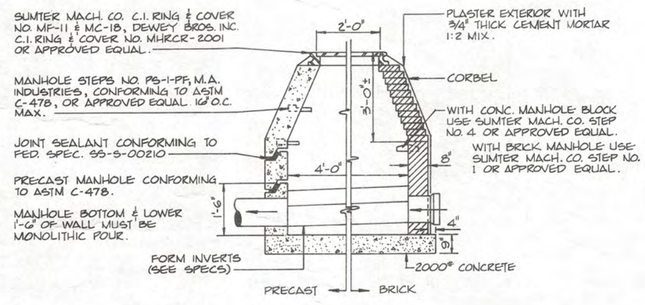
RETENTION POND ELEVATION SCHEDULE

	POND #1	POND #2
A	721.50	713.50
B	719.00	711.00
C	719.00	710.70
D	720.00	711.05
E	721.00	713.00
F	720.70	712.70

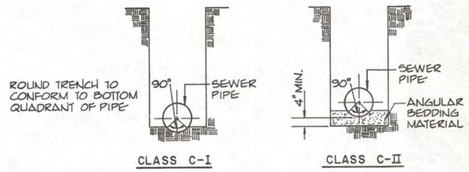
STORMWATER RETENTION POND DETAILS
NOT TO SCALE

NOTES:
1. APPROVED COMMON BRICK OR CONC. MANHOLES MAY BE USED IN LIEU OF PRECAST MANHOLE.
2. EACH MANHOLE TO HAVE BELL CONNECTION AS SHOWN FOR EACH INLET. (ALL TYPES OF PIPING)
3. ASBESTOS CEMENT MANHOLE CONNECTORS SHALL BE PROVIDED WHEN PVC PIPE IS USED.





SANITARY SEWER MANHOLE DETAIL
NOT TO SCALE



PIPE BEDDING DETAIL
NO SCALE

SYMBOL	ZONE	DESCRIPTION	DATE	BY

REVISIONS

PIEDMONT ENGINEERS-ARCHITECTS-PLANNERS GREENVILLE, SOUTH CAROLINA

U. S. ARMY ENGINEER DISTRICT, SAVANNAH CORPS OF ENGINEERS SAVANNAH, GEORGIA

EXPANSION U.S. ARMY RESERVE CENTER

UTILITY DETAILS

CHARLOTTE NORTH CAROLINA

SIZE	INVITATION NO.	DRAWING NO.	PLATE
F	DACA 21-82-B-0006	AW 29-06-07	W-2

SCALE: AS NOTED SHEET 9 OF 78

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AF 7288

FORMAT 6

LEGEND

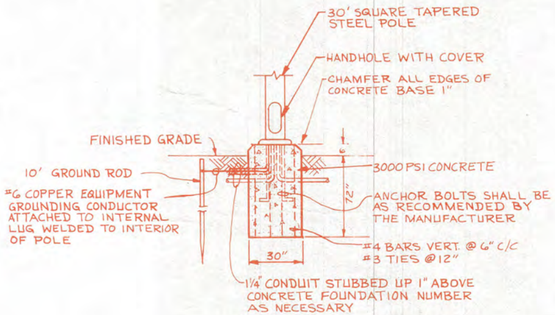
SYMBOL	DESCRIPTION
⊖	115V.,15A. DUPLEX RECEPTACLE FLUSH MOUNTED (SEE SPECIFICATIONS) 18" A.F.F.
⊕	115V.,15A. DUPLEX RECEPTACLE SURFACE MOUNTED (SEE SPECIFICATIONS) 18" A.F.F.
▲	SPECIAL PURPOSE OUTLET TO MATCH PLUG ON EQUIPMENT, 18" A.F.F.
⊖	208 V, 1 Ø RECEPTACLE FLUSH MOUNTED
⊖ᵉ	EXISTING FLUSH MOUNTED RECEPTACLE- REMOVE RECEPTACLE, INSTALL NEW EXTENDER BOX ONTO EXISTING BOX TO MAKE NEW RECEPTACLE AND BOX FLUSH WITH NEW FURRED WALL. INSTALL NEW RECEPTACLE IN NEW BOX.
⊖ᴱ	EXISTING RECEPTACLE- REMOVE RECEPTACLE AND PROVIDE NEW RECEPTACLE IN EXISTING BOX.
⊖ʰ	NEW DUPLEX RECEPTACLE- FLUSH MOUNT 18" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
----	DIRECT BURIAL RIGID STEEL CONDUIT
—P—	EXISTING OVERHEAD POWER
	CONDUIT RUN EXPOSED HASH MARKS INDICATE #12 A.W.G. THHN/THWN CONDUCTORS UNLESS NOTED OTHERWISE. LONG HASH MARK INDICATES THE NEUTRAL CONDUCTOR AND THE SHORT HASH MARKS INDICATE THE PHASE CONDUCTORS).
	CONDUIT RUN CONCEALED IN WALLS OR ABOVE SUSPENDED CEILING (HASH MARKS SAME AS ABOVE).
	CONDUIT RUN CONCEALED IN FLOOR SLAB (HASH MARKS SAME AS ABOVE).
	CONDUIT TURNED DOWN
	CONDUIT TURNED UP
	CONDUIT CHANGING ELEVATION FROM HIGHER ON LEFT TO LOWER ON RIGHT
	FLEXIBLE CONDUIT WITH CONDUCTORS.
LA1,3,5	HOMERUN TO PANELBOARD - LETTERS INDICATE PANELBOARD AND NUMBERS INDICATE CIRCUIT IN PANEL.
--UP--	EXISTING UNDERGROUND POWER
--UT--	EXISTING UNDERGROUND TELEPHONE
	FIXTURE CONNECTED TO NIGHT LIGHT CIRCUIT (SEE FIXTURE SCHEDULE)
	FLUORESCENT FIXTURE (FOR TYPES SEE FIXTURE SCHEDULE)
	INCANDESCENT FIXTURE (FOR TYPES SEE FIXTURE SCHEDULE)
	POLE MOUNTED FIXTURE (SEE FIXTURE SCHEDULE)
S_a	SINGLE POLE 120/208V. TOGGLE SWITCH (IF PRESENT, LOWER CASE LETTER INDICATES FIXTURES CONTROLLED BY SWITCH). 20A. MTD. 4'-6" A.F.F.
S_{3a}	THREE WAY TOGGLE SWITCH 120/208V. 20A. (LETTER SAME AS ABOVE)
S_{4a}	FOUR WAY TOGGLE SWITCH 120/208V. 20A. (LETTER SAME AS ABOVE)
J	JUNCTION BOX, SIZE AS REQUIRED BY N.E.C.
▶	TELEPHONE OUTLET, CONSISTING OF 4 11/16" SQUARE BY 2 1/8" DEEP OUTLET BOX WITH ONE HOLE COVER PLATE AND 1" EMPTY CONDUIT TO TELEPHONE TERMINAL BOARD- UNLESS NOTED OTHERWISE (SEE SPECIFICATIONS). MTD. 18" A.F.F.
○	EXISTING POWER POLES
⊗	EXIT LIGHT
	MAIN DISTRIBUTION PANEL 120/208V. 3 Ø, 4 W.
	LIGHTING PANEL 120/208V. 3 Ø, 4 W.
	POWER PANEL 120/208 V. 3 Ø, 4 W.
T	PAD MOUNTED TRANSFORMER-BY POWER COMPANY
	HEAVY DUTY DISCONNECT SWITCH WITH GROUND BUS AND TYPE "R" FUSE CLIPS 600V. RATING UNLESS NOTED OTHERWISE. (SIZE AS NOTED ON DRAWINGS).
⊠	COMBINATION MAGNETIC MOTOR STARTER (SEE SPECIFICATIONS).
SM	MANUAL MOTOR STARTER WITH OVERLOADS
SMP	MANUAL MOTOR STARTER WITH OVERLOADS AND PILOT LIGHT
	LIGHTING CONTACTOR (SIZE AS NOTED ON DRAWINGS) MECHANICALLY HELD
WP	WEATHERPROOF
NF	NON-FUSED
FB	FIRE ALARM BELL
F	FIRE ALARM PULL STATION
C	WALL MOUNTED CLOCK, 120V, SIMPLEX II SEMI FLUSH 83-45 W/5928 WALL BOX
M	EXISTING MOTOR - TO BE RECONNECTED
(½) (15)	MOTOR-NUMBER INDICATE HORSEPOWER
F.W.E.	FURNISHED WITH EQUIPMENT
T	THERMOSTAT
TC	TIME CLOCK 7 DAY WITH A 10 HOUR SPRING RESERVE

LIGHTING FIXTURE SCHEDULE

MARK	EST. QUANTITY	DWG 40 06 04 TYPE	SH. NO.	LAMPS NO	LAMPS WATTAGE	VOLTAGE	MTG HEIGHT	REMARKS
A	175	206C	19	4	35	120	RECESSED	ENERGY SAVER LAMPS
B	121	206A	19	2	35		9'-0"	
C	58	213	22	2	35			
D	10	218	25	1	35			
E	6	116	9	1	200		RECESSED	
F	5	115A1	8	1	150			
G	10	206G1	19	4	35		RECESSED	ENERGY SAVER LAMPS
H	6	206A1	19	2	35			
J	6	2131	22	2	35		9'-0"	
K	8	604A2	55	2	20			
L	2	604B2	55	2	20			
M	7	232	32	2	55			ENERGY SAVER LAMPS
N	32	230A1	31	2	35		10'-0"	
P	2	127A1	16	1	100		RECESSED	
R	9	401C1	41	1	400	208	30'-0"	MTD. ON 30' SQ TAPERED STL. POLE
S	11	——	——	2	35	120	10'-0"	
T	10	——	——	1	400		15'-0"	
U	8	503C	46	1	250		15'-0"	
V	2	603	54	2	6 VOLT		10'-0"	
W	4	604A3	55	2	20		8'-0"	
X	1	124B	15	1	100		8'-0"	
Y	1	232/200	32/17	2	35	120	9'-0"	WITH FACTORY EMERG BATT SUPPLY
Z	4	214B	22	4	35	120	9'-0"	ENERGY SAVER LAMPS
AA	6	305B	37	1	150	208	10'-0"	
AB	3	214B1	22	4	35	120	9'-0"	ENERGY SAVER LAMPS
AC	1	214A	22	2	35			
AD	1	214A1	22	2	35			

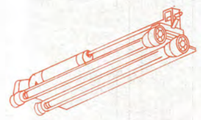
NOTES:

1. ALL NEW WORK TO COMPLY WITH THE 1981 NATIONAL ELECTRICAL CODE EXCEPT WHERE LOCAL CODES PREVAIL.
2. ALL MATERIAL SHOWN TO BE REUSED SHALL BE THE PROPERTY OF THE CONTRACTOR.
3. THE CONTRACTOR MAY RE-USE EXISTING CONDUIT AS DIRECTED BY THE RESIDENT ENGINEER OR HIS AUTHORIZED REPRESENTIVE.
4. ALL CONDUCTORS TO BE ON INSULATION TYPE THHN/THWN UNLESS NOTED OTHERWISE.



EXTERIOR BASE DETAIL FOR POLE MTD LIGHTS

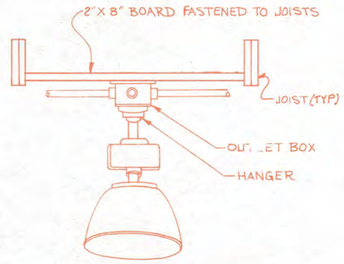
NTS



TYPE S FIXTURE SPECIFICATION

NTS

CEILING MOUNTED EXPLOSION PROOF FLOURESCENT FIXTURE. BALLAST HOUSING SHALL BE READILY ACCESSIBLE AND NO SPECIAL TOOLS SHOULD BE NECESSARY FOR RELAMPING AND MAINTENANCE. FIXTURE SHALL BE 120 VOLTS WITH 2-35WATT ENERGY SAVER LAMPS.



TYPE T FIXTURE SPECIFICATION

NTS

ENCLOSED, INTEGRALLY BALLASTED, PENDANT MTD 400 WATT MERCURY VAPOR FIXTURE WITH LENS. DESIGNED FOR LOW BAY MOUNTING. FOR OPERATION ON 120 VOLTS.

SYMBOL	ZONE	DESCRIPTION	DATE	BY
		REVISIONS		

DESIGN	CHECK
J.C.M.	A.H.H.

PREPARED BY: George S. McDavid 11-5-81
PRINCIPAL OF FIRM
REVIEWED
PROJECT MANAGER
RECOMMENDED
Mil. PROGRAM & PROJ. BRANCH
DATE: 9 JULY 81

PIEDMONT ENGINEERS, ARCHITECTS-PLANNERS GREENVILLE SOUTH CAROLINA

U.S. ARMY ENGINEER DISTRICT, SAVANNAH CORPS OF ENGINEERS SAVANNAH, GEORGIA

EXPANSION U.S. ARMY RESERVE CENTER

FIXTURE SCHEDULE, NOTES, LEGEND

CHARLOTTE NORTH CAROLINA

SIZE	INVITATION NO.	DRAWING NO.	PLATE
F	DACA 21-82-B-0008	AW 29 06 07	E 1

SCALE: AS NOTED

SHEET 66 OF 78 (66)

FORMAT 5

NOTES:
1. POWER LINES AND EQUIPMENT BELONGING TO DUKE POWER COMPANY WILL BE REMOVED AND SALVAGED BY THEM. ALL OTHER LINES AND EQUIPMENT WILL BE REMOVED AND SALVAGED BY THE ELEC. CONTRACTOR. TELEPHONE EQUIPMENT TO BE REMOVED AND SALVAGED BY TELEPHONE CO.

R-1
2#8, #10G-1¼"GRS
PA-1
VIA CONTACTOR & PHOTOCELL
(150 KVA)
PAD MTD. TRANSFORMER
BY POWER CO.
REMOVE ALL POLES
(DUKE POWER CO.)
(DUKE PWR. CO.)
REMOVE
1-4" SPARE
3#500MCM, 1#1/0 GND-4"GRS
TO PANEL PA IN MECH. ROOM
NEW UNDERGROUND
PRIMARY BY POWER CO.
R-16
OMS/AMSA
AIRCRAFT
PAD
ABANDON
UP
REMOVE
(DUKE PWR. CO.)
PARKING AREA
TO TEL. BOARD IN
MECH. ROOM
ALL POLES TO BE REMOVED
BY DUKE POWER CO.
(DUKE PWR. CO.)
REMOVE
POWER & TELEPHONE LINES
TO BE REMOVED (NOTE 1)
3' POLE AND
POWER BOX-REMOVED
BY DUKE POWER CO.
2"GRS CONDUIT
2#8, #10G-1¼"GRS
ALL POLES & LIGHTS
TO BE REMOVED BY
DUKE POWER CO.
2#8, #10G-1¼"GRS
LD-16 VIA CONTACTOR
AND PHOTOCELL
REMOVE
(DUKE PWR. CO.)
2#8, #10G-1¼"GRS
TURN UP WALL INTO AN
LB FITTING THEN THRU
WALL AT CEILING AND
ROUTE TO LB IN ROOM 7
DRIVE
TO BE REMOVED BY
DUKE POWER CO.
EXISTING UNDERGROUND
TELEPHONE TO REMAIN
TURN UP WALL INTO AN
LB FITTING THEN THRU
WALL AT MECH. ROOM
CEILING
ASSEMBLY ROOM
NEW
KITCHEN
PAD MTD.
TRANSFORMER
BY POWER
COMPANY
(300 KVA) UT
TO TEL. BOARD T-1
2[4-350MCM, 1#1 GND-3½" GRS]
TO MDP IN ELEC. ROOM
1-4" SPARE
(225 KVA)
PAD MTD. TRANSFORMER
BY POWER CO.
REMOVE
(DUKE PWR. CO.)
NEW UNDERGROUND
BY POWER COMPANY
TO TEL. BOARD T-1
TO BE
REMOVED
BY DUKE
POWER CO.
CHILLER
RUN CONDUIT ALONG WALL
THEN PUNCH THRU WALL
AT MECHANICAL ROOM
1" GRS CONDUIT
4" GRS CONDUIT
FOR TELEPHONE
TO EXIST. TEL. BOARD
ADMINSTRATION BUILDING
REMOVE
NEW UNDERGROUND
PRIMARY BY
POWER CO.
600 MAN CENTER
300 MAN CENTER
PAD MTD XFMR
BY POWER CO.
(225 KVA)
NEW UNDERGROUND
PRIMARY BY PWR CO.
CONNECT TO CONDUIT
STUBBED OUT 5'-0" FROM
BUILDING
UNDERGROUND SECONDARY
3[4-350 MCM, 1#2 GND-3½"GRS]
TURN CONDUIT UP INTO AN LB
FITTING THEN THRU WALL AT
ELECTRICAL ROOM TO NEW MDP
2[4-350MCM, 1#2G-3½" PVC]
UNDERGROUND SECONDARY
TO PANEL PB ENCASED
IN CONC. W/1-4" SPARE
ALL POLES & OVERHEAD
LINES TO BE REMOVED
BY DUKE POWER CO.
DRIVE
DRIVE
P

SITE PLAN- ELECTRICAL
SCALE: 1"= 30'- 0"
30' 0 30'

SYMBOL	ZONE	DESCRIPTION	DATE	BY
		REVISIONS		

PIEDMONT
ENGINEERS ARCHITECTS PLANNERS
GREENVILLE SOUTH CAROLINA

U. S. ARMY
ENGINEER DISTRICT, SAVANNAH
CORPS OF ENGINEERS
SAVANNAH, GEORGIA

EXPANSION U.S. ARMY RESERVE CENTER

ELECTRICAL SITE PLAN

CHARLOTTE NORTH CAROLINA

SIZE	INVITATION NO.	DRAWING NO.	PLATE
F	DACA21-82-B-0006	AW 29-06-07	E.2

SCALE: AS NOTED
SHEET 67 OF 78

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FORMAT 6