



ORDER OF WORK:

1. GWSWA CONSTRUCTION DEPARTMENT TO SET VAULT AND OUTSIDE PIPING FROM END OF VAULT UP TO FIRST 12" TEES AND MANHOLE. O&M WILL ALSO INSTALL 6" FLUPE D.I. SPOOLS FROM OUTSIDE TO INSIDE OF VAULT FOR FLANGED SPOOL. TO TIE INTO INSIDE THE VAULT.
2. GWSWA O&M DEPARTMENT TO INSTALL ALL COMPONENTS INSIDE VAULT BEGINNING AT FLANGED SPOOLS (4 TYP) SET BY CONSTRUCTION DEPARTMENT. O&M DEPARTMENT WILL ALSO INSTALL ALL ELECTRICAL COMPONENTS AND SUMP PUMP WITH DISCHARGE TO DRAINAGE AREA.
3. GWSWA CONSTRUCTION DEPARTMENT WILL INSTALL REMAINDER OF 12" PIPING AND FITTINGS WITH TIE-IN TO EXISTING 12" WATERLINE.

NOTES:

1. FILL, GRADE & RESHAPE WORK AREA TO CONDITION AS GOOD OR BETTER THAN EXISTING PER SCDOT REQUIREMENTS.
2. CONCRETE BLOCK SUPPORTS TO BE USED UNDER ALL EQUIPMENT AND PIPING WITHIN VAULT.
3. CONCRETE VAULT SHALL CONTAIN A SUMP AS SHOWN TO ELIMINATE STANDING WATER IN VAULT FLOORING. FLOOR OF VAULT SHALL TAPER TOWARDS SUMP TO PROVIDE ADEQUATE DRAINAGE OF VAULT.
4. ALL SPOOL LENGTHS TO BE FIELD-DETERMINED.
5. ALL PIPING TO BE DUCTILE IRON.
6. USE RUBBER BOOTS FOR 6" D.I.P. ON VAULT END BLOCKOUTS. VAULTS SHALL BE SEALED AROUND DISCHARGE PIPING FROM SUMP PUMP AND ALL CONDUIT. CONTRACTOR SHALL PROVIDE A WATER-TIGHT CONDITION FOR VAULT.
7. CONTRACTOR TO INSTALL SUMP PUMP & ELECTRICAL.
8. GSWA TO PROVIDE AND INSTALL CABLE & WIRES TO BOOSTER PUMP, HIGH LEVEL ALARM, ELECTRIC METER AND ACCESSORIES & PROVIDE FOR START UP.



SPECIFICATIONS:

1. 4,000 PSI CONCRETE
2. WALL THICKNESS = 6" REINF. W/#4 GRADE 60 REBAR @ 9" O.C.E.W.
3. BASE SLAB THICKNESS = 6" REINF. W/#4 GRADE 60 REBAR @ 9" O.C.E.W.
4. TOP SLAB THICKNESS = 6" REINF. W/#4 GRADE 60 REBAR @ 6" O.C.E.W.
5. DRAWING SCALE = NTS




1' 0' SCALE IN FEET

Permit Information:
SCDOT Permit #14-00120
SCDHEC General Water Permit # 111009

Water installed by:
GWSA (Rod Altman)

AS-BUILT MEASUREMENTS
INDICATED BY



THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

REVIEWED BY: MARK DAWSEY 2-5-2011
INSPECTIONS DATE

REVIEWED BY: _____ 2-9-2011
ENGINEERING DATE


GRAND STRAND WATER AND SEWER AUTHORITY

GRAND STRAND
WATER & SEWER
AUTHORITY

166 JACKSON BLUFF RD.
P.O. BOX 2365
CONWAY, SC 29529-2368

(843) 445-9200 OR 347-4641
(843) 347-4680 (FAX)
E-MAIL: GSWSA.COM

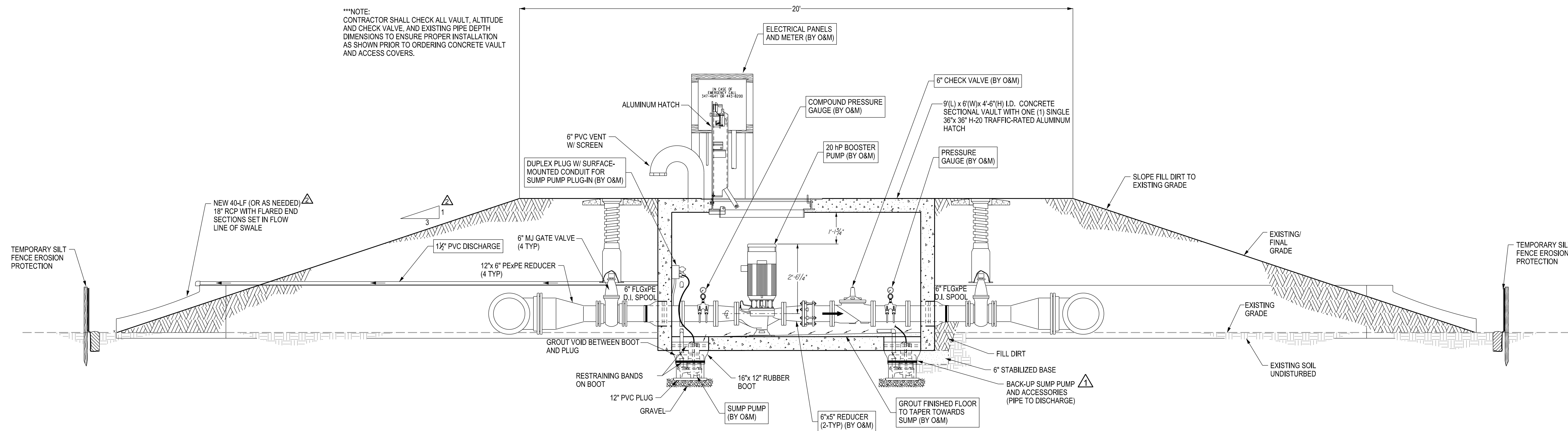
SC HWY 9
WATER BOOSTER PUMP STATION
(near Waccamaw River and Little River Water & Sewerage Co. Service Area)
PROJ. #587-11



DATE: April 2014 A.D.	
SCALE: as shown	
FILENAME:....design (Hwy 9 Booster PS at Waccamaw River).dgn	
DESIGNED BY	Ray Thompkins
CHECKED BY	C. Ryan Hayes
APPROVED BY	
JASON L. POSTON PE #26566	

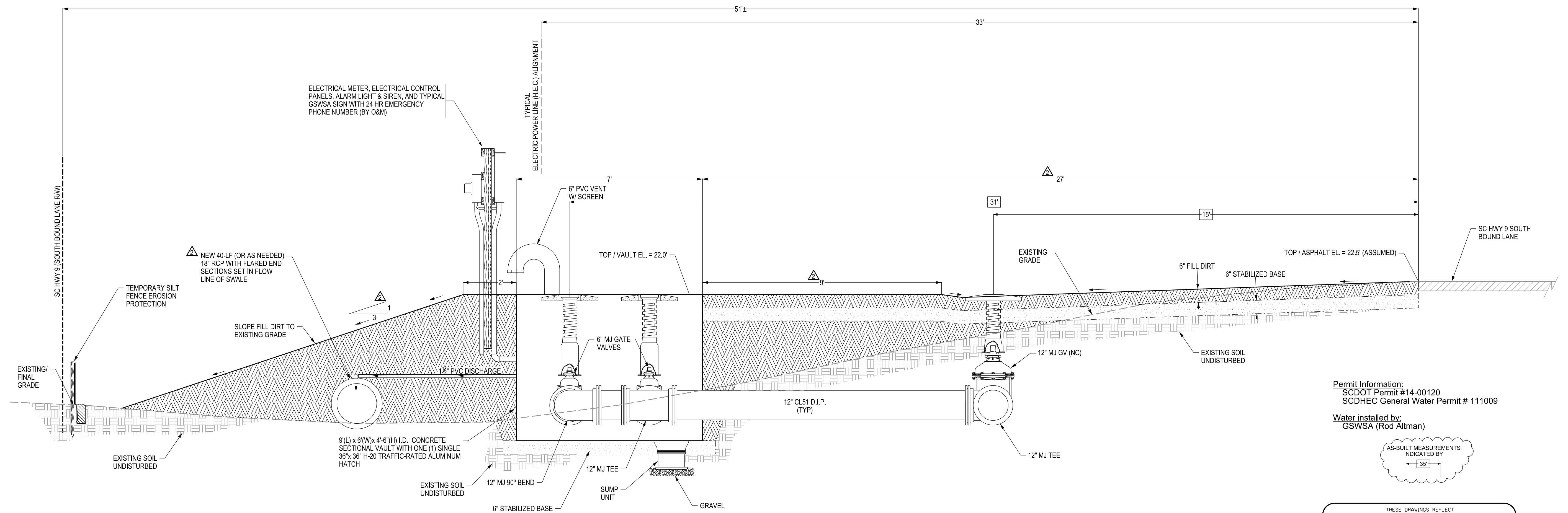
SHEET 1 OF 2

OF 2



SECTION A
2

SCALE IN FEET



SECTION B
2

SCALE IN FEET

Permit Information:
SCDOT Permit #14-00120
SCDHEC General Water Permit # 111009

Water installed by:
GSWSA (Rod Altman)

AS-BUILT MEASUREMENTS
INDICATED BY

35'

THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

DESIGNED BY: MARK DAWSEY 2-5-2015
INSPECTED BY: DATE

CHECKED BY: C. Ryan Hayes
DATE

APPROVED BY: 2-9-2015
DATE
GRAND STRAND WATER AND SEWER AUTHORITY

REVISION	BY	DATE
ADDED SPARE SUMP PUMP	DRT	2014-05-30
CHANGED SLOPE OF ACCESSWAY, ADDED ACCESSORIES FURTHER FROM ROADWAY	DRT	2014-07-01
AS-BUILT	DRT	2015-02-05

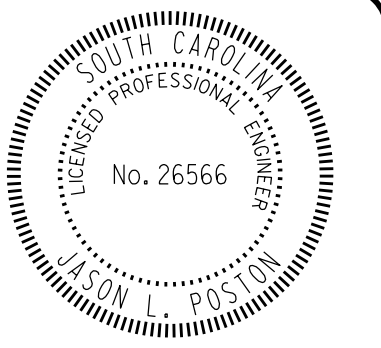
GRAND STRAND
WATER & SEWER
AUTHORITY

166 JACKSON BLUFF RD.
CONWAY, SC 29525-2368
(843) 345-2000 (F) 843-345-4641
(843) 345-0888 (T) 843-345-4641
E-MAIL: GSWSA.COM

SC HWY 9
WATER BOOSTER PUMP STATION

(near Waccamaw River and Little River Water & Sewerage Co. Service Area)

PROJ. #567-11



DATE: April 2014 A.D.
SCALE: as shown
FILENAME: design (Hwy 9 Booster PS at
Waccamaw River).dgn

DESIGNED BY: Ray Thompkins

CHECKED BY: C. Ryan Hayes

APPROVED BY: JASON L. POSTON PE #26566

SHEET
2
OF 2

#25-247-002/2-W
SC HWY 9 WATER BOOSTER PUMP STATION