

Statesville Rd

6" service line and meter.

8" SS

978' Zone

12" water main.

02526110

02526101

02526111

9600

10616

9450

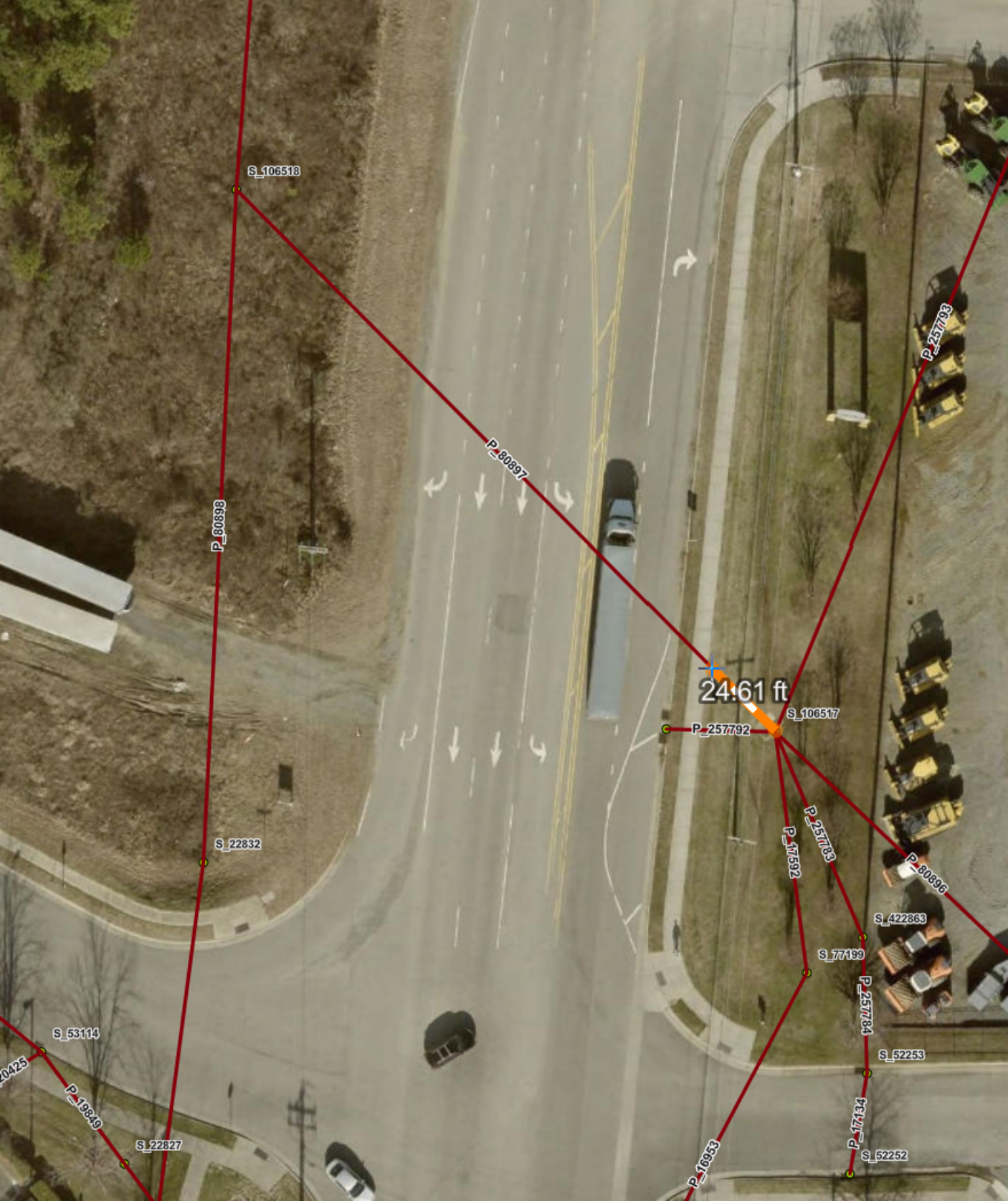
9500

9550

9428

9424

9420



S\_106518

P\_60398

S\_22832

S\_53114

P\_19849

S\_22827

P\_60397

24.61 ft

P\_257792

S\_106517

P\_41592

P\_257783

P\_80096

S\_422863

S\_77199

P\_257784

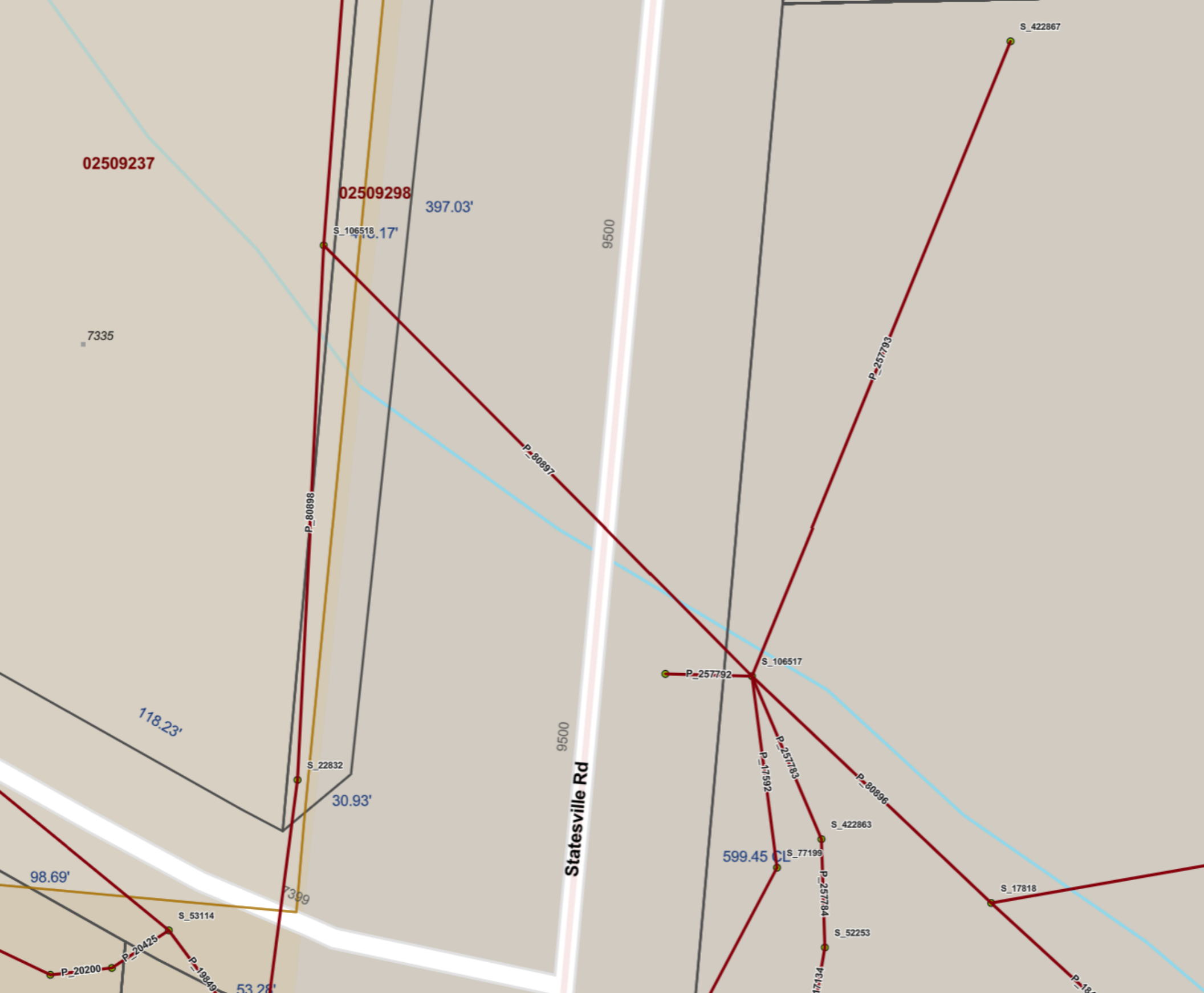
S\_52253

P\_41592

S\_52252

P\_16953

P\_257783



02509237

02509298

S\_422867

7335

S\_106518 17'

397.03'

9500

P\_80897

P\_257793

P\_80898

S\_106517

P\_257792

118.23'

S\_22832

9500

Statesville Rd

30.93'

P\_257783

P\_80896

P\_17592

S\_422863

98.69'

73.99

599.45' CL

S\_77199

S\_53114

S\_17818

P\_20425

P\_257784

S\_52253

P\_20200

P\_19849

53.28'

P\_17134

P\_18134



**INDEX OF SHEETS**

- 1 COVER/PERMIT SHEET
- 2 STATESVILLE ROAD STA. 0+00.00-9+62.80
- 3 STATESVILLE ROAD STA. 9+62.80-20+21.70
- 4 STATESVILLE ROAD STA. 20+21.70-28+65.59

APPLICATION FOR NON-DISCHARGE PERMIT  
GRAVITY SEWER MAIN EXTENSION  
CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT

PROJECT NAME STATESVILLE ROAD SANITARY SEWER MAIN EXTENSION

CMUD PROJECT NO.: 100-99-522

PROJECT TYPE: NEW CONSTRUCTION RELOCATION MODIFICATION OF PERMIT NO. N/A  
OTHER

VOLUME OF WASTEWATER GENERATED BY THIS PROJECT: 5950 GALLONS PER DAY BASED  
ON 190 GAL./DAY/SINGLE FAMILY HOUSEHOLD X 31 HOUSEHOLDS OR

135 GAL./DAY/MULTI-FAMILY UNIT X 44 UNITS OR IS BASED ON:  
25 GPD/PERSON X 10 PEOPLE = 250 GPD; ESTIMATE VOL. OF WATER USED TO WASH VEHICLES

WASTEWATER TREATMENT PLANT RECEIVING WASTEWATER:  
 McALPINE CR. (NC0024970)  IRWIN CR. (NC0024945)  McDOWELL CR. (NC0036277)  
 SUGAR CR. (NC0024937)  MALLARD CR. (NC0030210)

NATURE OF WASTEWATER: 100 % DOMESTIC 0 % INDUSTRIAL  
0 % COMMERCIAL 0 % OTHER

ORIGIN OF WASTEWATER: COMMERCIAL  
SCHOOL INDUSTRIAL  
APARTMENTS/CONDO'S OTHER

LIST ANY PARAMETER AND ITS CONCENTRATION THAT WILL BE GREATER THAN NORMAL DOMESTIC LEVELS:  
NONE

IF WASTEWATER IS NON-DOMESTIC, DESCRIBE LEVEL OF PRETREATMENT:  
OIL-WATER SEPARATOR

IF A PRETREATMENT PERMIT IS REQUIRED, HAS ONE BEEN ISSUED? YES  NO

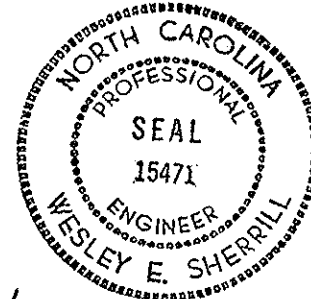
HAS ENGINEER DETERMINED THAT DOWNSTREAM SEWERS ARE CAPABLE TO HANDLE THIS FLOW?  YES  NO  
PERMIT NO. FOR SEWERS IMMEDIATELY DOWNSTREAM: W00005644 (10-B-91)  
PIPE DIAMETER OF SEWERS IMMEDIATELY DOWNSTREAM: 12"

HAS ENGINEER DETERMINED THAT NCDEM AND CMUD MINIMUM DESIGN STANDARDS ARE MET BY THIS PROJECT?  YES  NO

COMPLETE NAME AND ADDRESS OF ENGINEERING DESIGN FIRM:  
WESLEY E. SHERBILL, P.E.  
SITE SOLUTIONS  
5311 SEVENTY-SEVEN CENTER DRIVE, SUITE 82  
CHARLOTTE, NORTH CAROLINA 28217  
TELEPHONE: 704/521-9880

PROFESSIONAL ENGINEER'S CERTIFICATION:  
I, WESLEY E. SHERBILL, ATTEST THAT THIS APPLICATION FOR STATESVILLE ROAD SANITARY SEWER MAIN EXTENSION HAS BEEN REVIEWED BY ME AND IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE. I FURTHER ATTEST THAT TO THE BEST OF MY KNOWLEDGE THE PROPOSED DESIGN HAS BEEN PREPARED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS. ALTHOUGH CERTAIN PORTIONS OF THIS SUBMITTAL PACKAGE MAY HAVE BEEN DEVELOPED BY OTHER PROFESSIONALS, INCLUSION OF THESE MATERIALS UNDER MY SIGNATURE AND SEAL SIGNIFIES THAT I HAVE REVIEWED THIS MATERIAL AND HAVE JUDGED IT TO BE CONSISTENT WITH THE PROPOSED DESIGN.

*Wesley E. Sherbill* 5/19/99  
NORTH CAROLINA PROFESSIONAL ENGINEER'S SEAL, SIGNATURE, AND DATE:




399-707

ISSUED 7/27/99

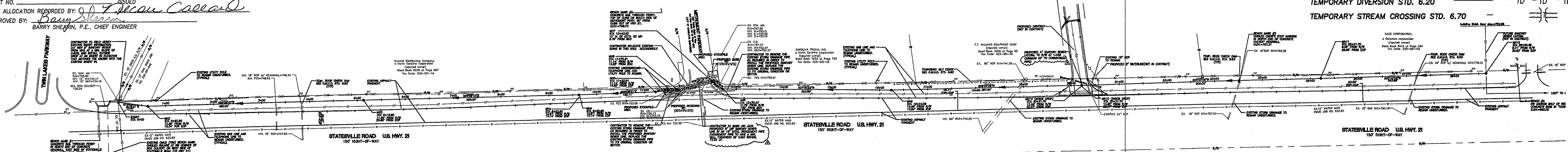
CMUD PERMIT NO. 399-707  
PLANT FLOW ALLOCATION RECORDED BY: BARRY SHEARIN  
PERMIT APPROVED BY: BARRY SHEARIN, P.E., CHIEF ENGINEER

**DESIGN COMPANY:**  
PLANS PREPARED BY: SITE SOLUTIONS  
ADDRESS: 5311 SEVENTY-SEVEN CENTER DRIVE, SUITE 82, CHARLOTTE, NC 28217  
PHONE: (704)521-9880  
DATE DESIGN COMPLETED: 1/14/99  
**SURVEY COMPANY:**  
SURVEYED BY: GENERAL SURVEYORS, PA  
ADDRESS: 2825 E. INDEPENDENCE BLVD., CHARLOTTE, NC 28205  
PHONE: (704)376-5763  
DATE SURVEY COMPLETED: -  
**DEVELOPER:**  
DEVELOPED BY: F.T. WILLIAMS INC.  
ADDRESS: 3001 ROZZELLE'S FERRY RD., CHARLOTTE, NC 28208  
PHONE: (704)392-0186  
**CONTRACTOR:** SANDERS  
**INSPECTOR:** R. WATSON  
DATE TO SYSTEMS & RECORDS: BY:  
INSIDE CHARLOTTE ( ) YES ( / ) NO:  
TOPO NO: 144-585,589

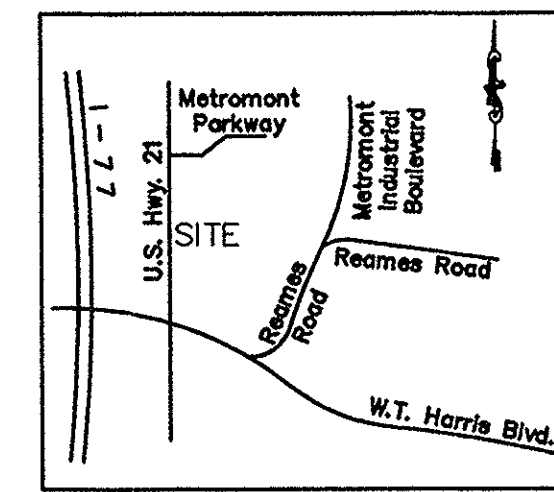
  
**CHARLOTTE-MECKLENBURG  
UTILITY DEPARTMENT**  
CHARLOTTE, NORTH CAROLINA  
  
**ENGINEERING DIVISION**  
**SANITARY SEWERAGE SYSTEM IMPROVEMENTS**  
ALONG  
**STATESVILLE ROAD**  
CHARLOTTE, NORTH CAROLINA

**LEGEND**

EXISTING WATER MAIN	---	W
PROPOSED WATER MAIN	---	W
EXISTING WATER VALVE	---v---	
PROPOSED WATER VALVE	---v---	
EXISTING FIRE HYDRANT	---x---	
PROPOSED FIRE HYDRANT	---x---	
WATER METER	---m---	
EXISTING C.SAN. SWR.	---SS---	
PROPOSED C.SAN. SWR.	---SS---	
EXISTING SAN. SWR. MANHOLE	---o---	
PROPOSED SAN. SWR. MANHOLE	---o---	
UNDERGROUND TELEPHONE	---UT---	
UNDERGROUND CABLE	---UC---	
OVERHEAD ELECTRIC	---OE---	
UNDERGROUND ELECTRIC	---UE---	
UTILITY POLE/GUY WIRE	---p---	
TOWER LINE	---t---	
EXISTING GAS MAIN	---G---	
GAS VALVE	---v---	
EXISTING WATER R/W	---R/W---	
PROPOSED WATER R/W	---R/W---	
ROAD/STREET R/W	---R/W---	
PROPERTY LINE	---P---	
EDGE OF PAVEMENT	---e---	
GROUND PROFILE	---g---	
EXISTING IRON PIN	---i---	
MARSH	---m---	
CREEK OR BRANCH	---c---	
RIP - RAP	---r---	
TREE	---t---	
BUILDING	---b---	
RAILROAD	---r---	
GUARD RAIL	---g---	
PIERS	---p---	
BRIDGE	---b---	
FENCE (LABEL TYPE)	---f---	
STREET SIGN (LABEL TYPE)	---s---	
STORM DRAIN /CATCH BASIN	---sd---	
SEDIMENT FENCE (SILT FENCE) STD. 6.62	---sf---	
TEMPORARY SEDIMENT TRAP STD. 6.60	---st---	
CHECK DAM STD. 6.83	---cd---	
TEMPORARY DIVERSION STD. 6.20	---td---	
TEMPORARY STREAM CROSSING STD. 6.70	---tc---	



**LOCATION MAP**  
SCALE: 1"=100'



**VICINITY MAP**  
N.T.S.

APPROVED FOR CONSTRUCTION  
*[Signature]*  
DATE: 7/27/99



**APPROVALS (SEALS)**

<b>OFFICE</b>			
NCRLS (AS BUILT)	NOPE		
SUMMARY OF SEWER MAINS & MANHOLES			
SIZE	LENGTH	SIZE	LENGTH
8"	2865.59'		
<b>TOTAL NO. MANHOLES: 11</b>			
<b>TOTAL NO. OF FIRE HYDRANTS: N/A</b>			
<b>TOTAL NO. LOTS SERVED: N/A</b>			
<b>PROJECT NAME: STATESVILLE ROAD SANITARY SEWER EXTENSION</b>			
<b>JOB NO: 100-99-522</b>			
<b>DATE OF ACTIVATION:</b>			
<b>DATE AS BUILT: 5/89-16</b>			

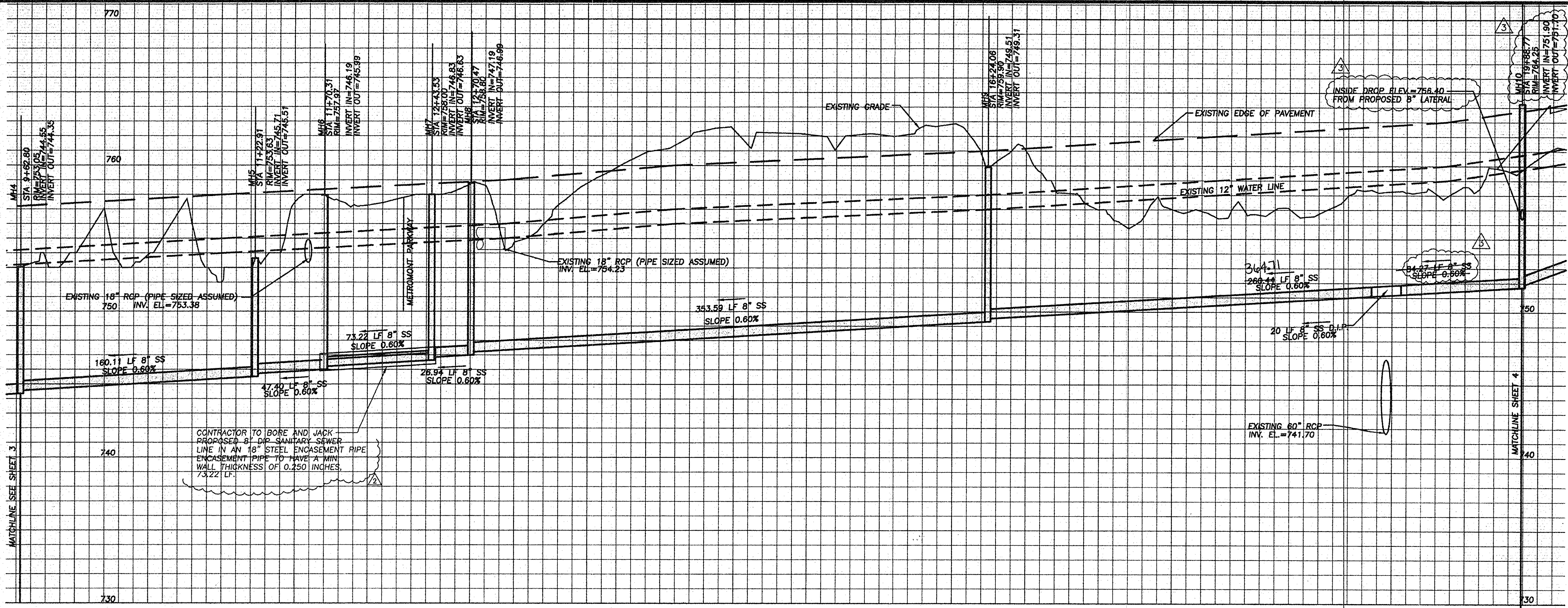
CONSTRUCTION SHALL BE IN ACCORDANCE WITH CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT STANDARD SPECIFICATIONS

Landscape Architecture  
Park Planning  
Civil Engineering  
5311 Seventy-Seven Center Drive  
Suite 82 • Charlotte, NC 28217  
Ph. 704.521.9880 • Fax 704.521.8955  
E-Mail: SiteSolutions@aol.com

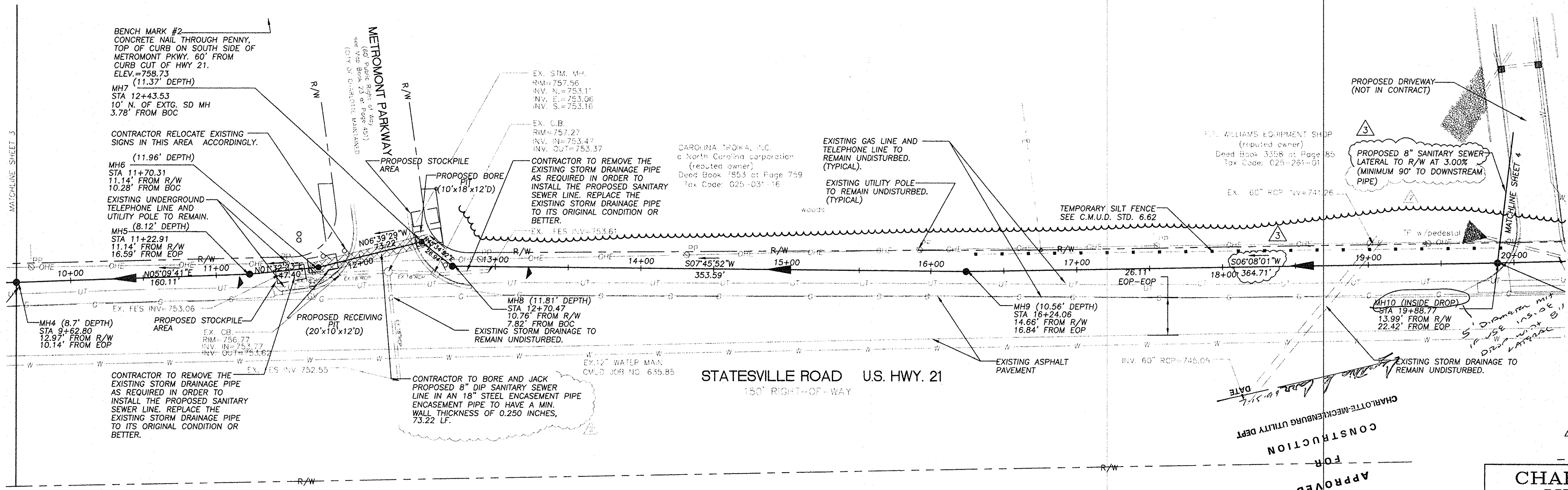
589-16  
McALPINE CREEK BASIN

159 ny





10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00



STATESVILLE ROAD U.S. HWY. 21  
150' RIGHT-OF-WAY

**SITE SOLUTIONS**  
Landscape Architecture  
Park Planning  
Civil Engineering

5311 Seventy-Seven Center Drive  
Suite 85 • Charlotte, NC 28217  
Ph. 704.521.9880 • Fax 704.521.8955  
E-Mail: SiteSolutions@aol.com

STOP  
CALL NO ONE CALL BEFORE YOU DIG  
1-800-632-4949  
AVOID UTILITY DAMAGE

CONSTRUCTION SHALL BE IN ACCORDANCE WITH CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT STANDARD SPECIFICATIONS.

- GENERAL NOTES:**
- CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT STANDARDS.
  - THE CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING ALL APPROPRIATE PARTIES AND ASSURING THAT UTILITIES ARE LOCATED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CALL ULCOCC @ 1-800-632-4949 FOR UTILITY LOCATING SERVICES 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK.
  - THE CONTRACTOR SHALL VERIFY THE LOCATION AND/OR SIZE OF ANY DRAINAGE PIPE OR STRUCTURES PRIOR TO CONSTRUCTION.
  - SANITARY SEWER LATERAL LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO RELOCATION DUE TO FIELD CONDITIONS.
  - SANITARY SEWER LATERALS SHOULD TERMINATE AT DEPTHS OF 5' WHERE PRACTICAL. THE CONTRACTOR SHALL COORDINATE WITH THE DEVELOPER TO INSURE THAT ALL LATERALS ARE AT ADEQUATE DEPTH TO BE FUNCTIONAL FOR THE LOT IN QUESTION (i.e., BASEMENT LOTS, ETC.).
  - REFER TO CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT STANDARDS FOR PIPE TRENCH AND BACKFILL REQUIREMENTS.

**CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT ENGINEERING DIVISION CHARLOTTE, NORTH CAROLINA**

100-99-522 Job No. 589-14 File No.

PLAN Scales 1"=40'  
PROFILE Hor. 1"=40' Vert. 1"=4'

SANITARY SEWER LINE EXTENSION ALONG STATESVILLE ROAD

STA. 9+62.80-19+88.77

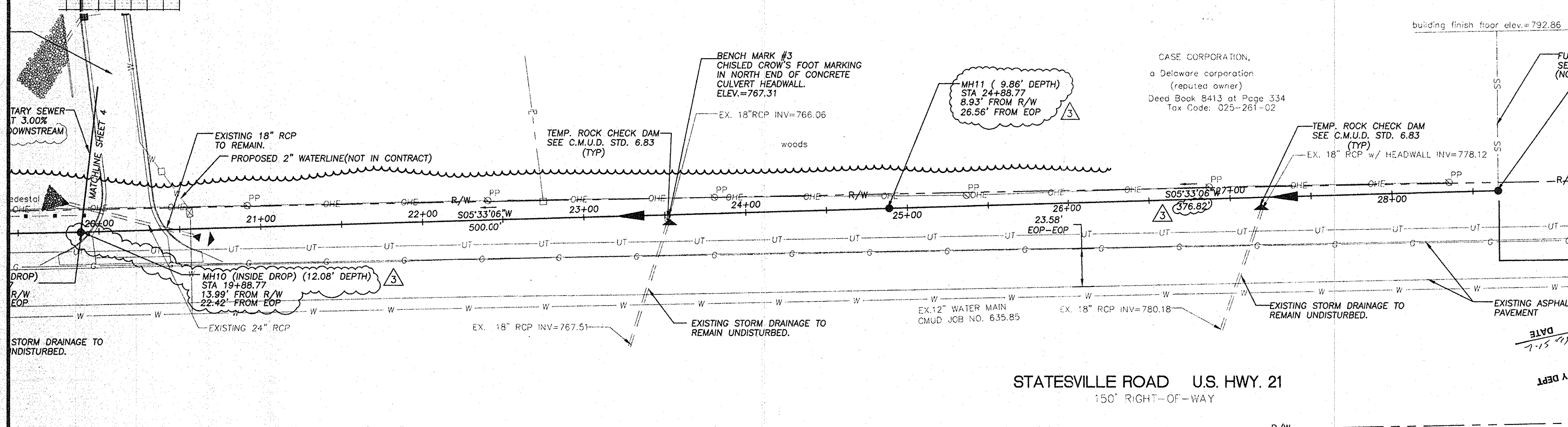
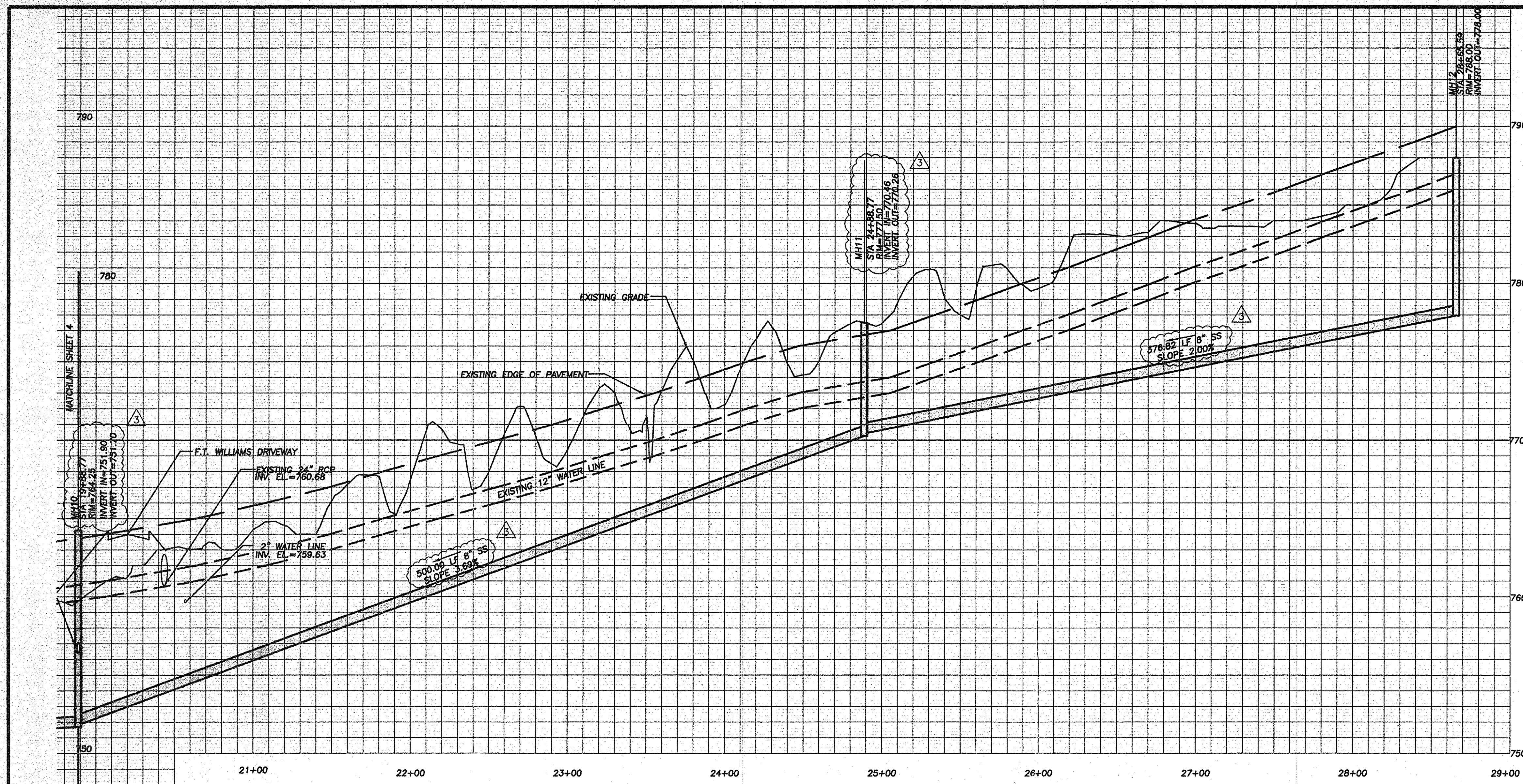
As Built	Date	JEC	WES	JEC	1/14/99	Sheet 3	Of 4
Surveyed By	Designed By	Drawn By	Project-Engr	Approved By	Date		



APPROVED

3	6/30/99	WES	MOVED MANHOLE #10
2	5/13/99	WES	REVISED PER CMUD COMMENTS
1	3/25/99	JEC	AS PER CMUD COMMENTS
No.	Date	By	Revision





STATESVILLE ROAD U.S. HWY. 21  
150' RIGHT-OF-WAY

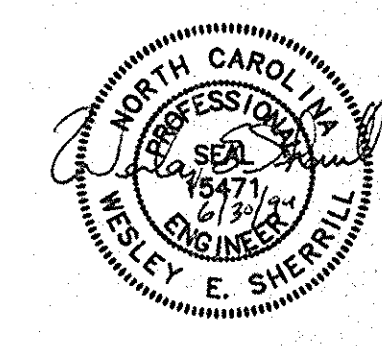
**SITE SOLUTIONS**  
Landscape Architecture  
Park Planning  
Civil Engineering  
5311 Seventy-Seven Center Drive  
Suite 82 • Charlotte, NC 28217  
Ph: 704.521.8880 • Fax: 704.521.8855  
E-Mail: SSSolutions@aol.com



CONSTRUCTION SHALL BE IN ACCORDANCE WITH CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT STANDARD SPECIFICATIONS.

- GENERAL NOTES:**
- CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT STANDARDS.
  - THE CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING ALL APPROPRIATE PARTIES AND ASSURING THAT UTILITIES ARE LOCATED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CALL ULOCO @ 1-800-632-4949 FOR UTILITY LOCATING SERVICES 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK.
  - THE CONTRACTOR SHALL VERIFY THE LOCATION AND/OR SIZE OF ANY DRAINAGE PIPE OR STRUCTURES PRIOR TO CONSTRUCTION.
  - SANITARY SEWER LATERAL LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO RELOCATION DUE TO FIELD CONDITIONS.
  - SANITARY SEWER LATERALS SHOULD TERMINATE AT DEPTHS OF 5' WHERE PRACTICAL. THE CONTRACTOR SHALL COORDINATE WITH THE DEVELOPER TO INSURE THAT ALL LATERALS ARE AT ADEQUATE DEPTH TO BE FUNCTIONAL FOR THE LOT IN QUESTION (i.e., BASEMENT LOTS, ETC.).
  - REFER TO CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT STANDARDS FOR PIPE TRENCH AND BACKFILL REQUIREMENTS.

APPROVED FOR CONSTRUCTION  
DATE: 1/14/98  
BY: WESLEY E. SHERRELL



MOVED MANHOLE #10  
REVISED PER CMUD COMMENTS  
AS PER CMUD COMMENTS

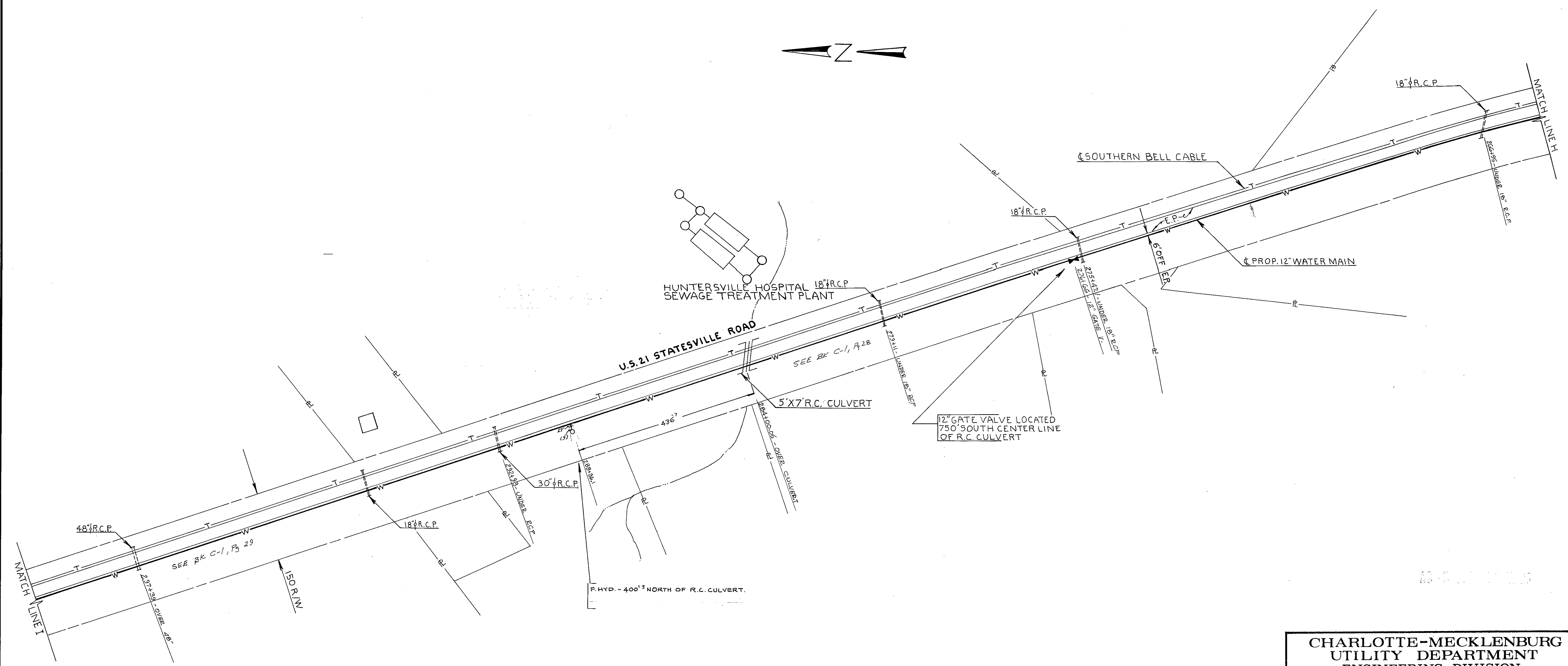
No.	Date	By
3	6/30/99	WES
2	5/13/99	WES
1	3/25/99	JEC

**CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT ENGINEERING DIVISION CHARLOTTE, NORTH CAROLINA**

100-99-522	589-1(p)	SANITARY SEWER LINE EXTENSION ALONG STATESVILLE ROAD						
Job No.	File No.							
PLAN	Scales 1"=40'	STA. 19+88.77-28+65.59						
PROFILE	Hor. 1"=40'							
	Vert. 1"=4'							
As Built	Date							
Surveyed By	Designed By	Drawn By	JEC	WES	Project-Engr	Approved By	1/14/98	Sheet 4 of 4



11 0712  
Sheet 0010



<b>CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT ENGINEERING DIVISION CHARLOTTE, NORTH CAROLINA</b>		
Job No. <b>63585</b>		File No.
Scales <b>1"=100'</b>		
PLAN		
PROFILE		
Hor.	<b>NONE</b>	
Vert.	<b>NONE</b>	
As Built	Date	
Surveyed By <b>R.T.S.</b>		Designed By <b>R.T.S.</b>
Drawn By <b>R.T.S.</b>		Project-Engr. <b>J.E.L.</b>
Approved By <i>[Signature]</i>		Date <b>5/76</b>
Sheet	Of	
<b>9</b>	<b>10</b>	

No.	Date	By	Revision