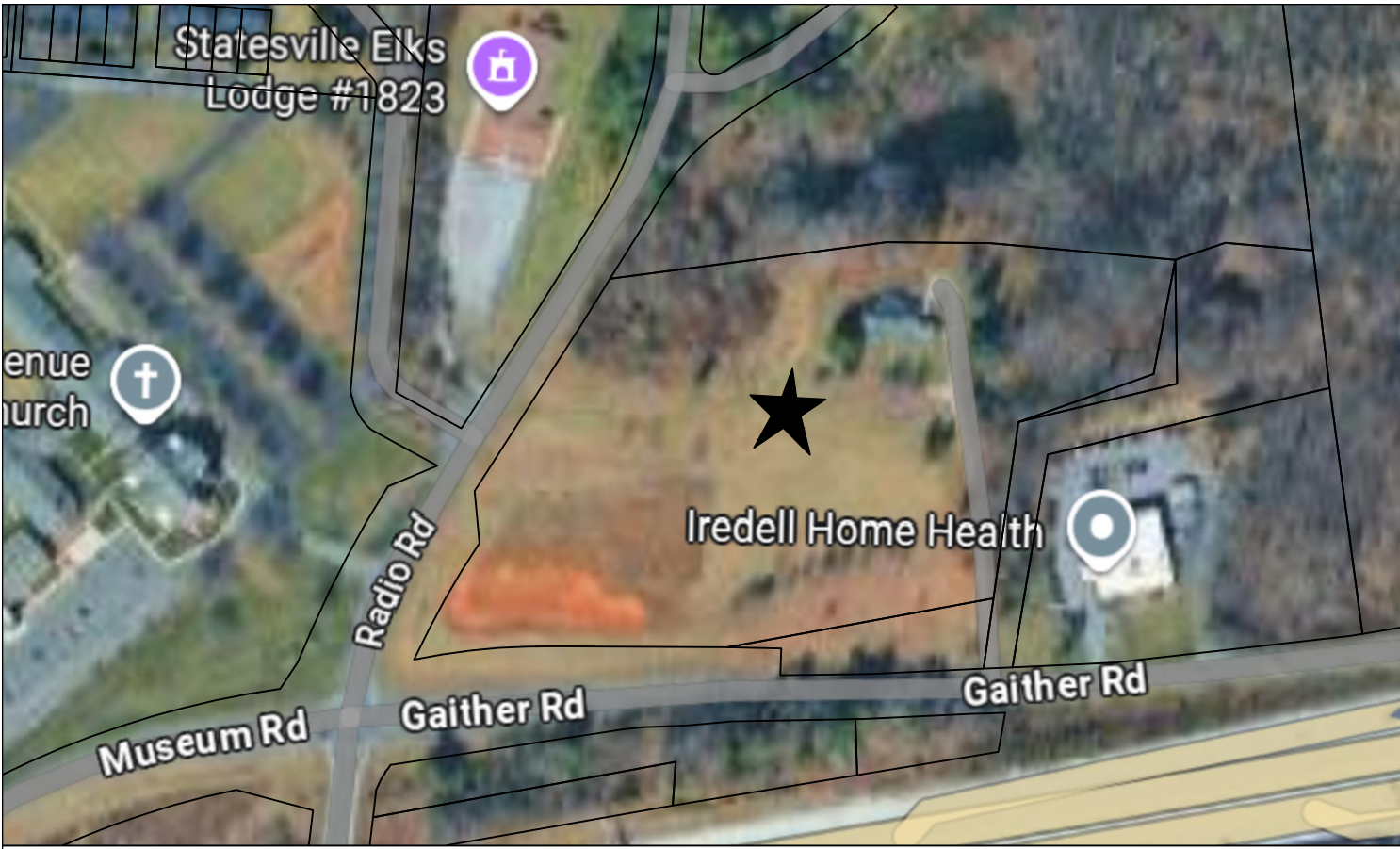




VICINITY MAP

TABLE of CONTENTS:

- 1. COVER SHEET
- 2. EXISTING SURVEY SHEET
- 3. EXISTING SITE PLAN
- 4. PROPOSED SITE PLAN
- 5. PROPOSED GRADING PLAN
- 6. DETAILS SHEET 1
- 7. DETAILS SHEET 2
- 8. DETAILS SHEET 3

STANDARD GENERAL NOTES:

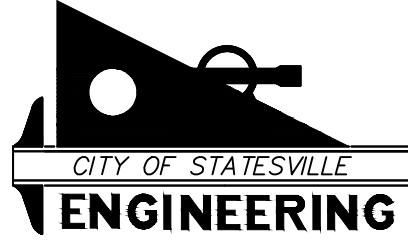
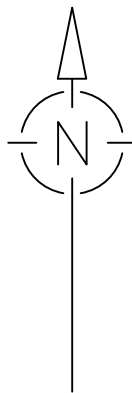
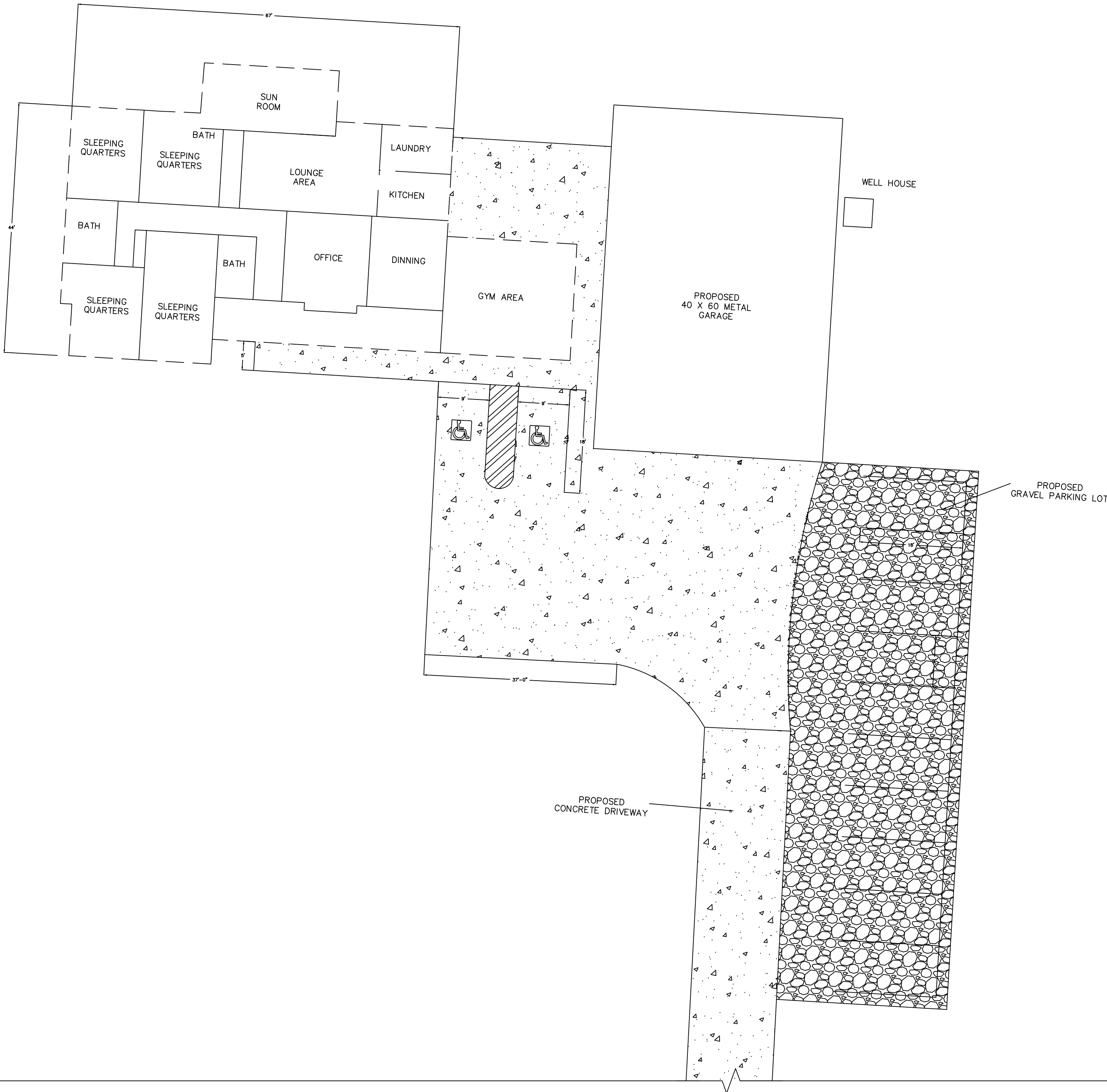
- ALL WORK AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES UNLESS OTHERWISE SPECIFIED.
- ALL ASPHALT CUTS SHALL BE MADE WITH A SAW WHEN PREPARING STREET SURFACES FOR PATCHING OR WIDENING STRIPS.
- PAPER JOINTS SHALL BE USED TO SEAL THE ENDS OF AN ASPHALT POUR SO THAT FUTURE EXTENSIONS CAN BE MADE WITHOUT CAUSING ROUGH JOINTS.
- WHEN PLACING ASPHALT AGAINST EXISTING SURFACES, A STRAIGHT EDGE SHALL BE USED TO PREVENT 'HUMPING' AT THAT LOCATION.
- STONE BASE OR SUBGRADE SHALL BE PRIMED.
- SURFACES SHALL BE TACKED WHEN ASPHALT IS BEING PLACED OVER EXISTING ASPHALT STREETS OR ADJOINING CONCRETE, STORM DRAIN AND SANITARY SEWER STRUCTURES.
- TACK COAT SHALL BE APPLIED BENEATH EACH LAYER OF BITUMINOUS PLANT MIX BASE OR PAVEMENT TO BE PLACED.
- ALL CONCRETE USED FOR STREETS, CURB AND GUTTER, SIDEWALKS AND DRAINAGE STRUCTURES, ETC. SHALL HAVE A MINIMUM COMPRESSION STRENGTH OF 3,000 PSI AT 28 DAYS. THIS REQUIREMENT SHALL BE PROVIDED REGARDLESS OF ANY LESSER COMPRESSION STRENGTH SPECIFIED IN THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. THE CONTRACTOR SHALL PREPARE CONCRETE TEST CYLINDERS IN ACCORDANCE WITH SECTION 1000 OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES AT THE DIRECTION OF THE PROJECT INSPECTOR. ALL EQUIPMENT AND CYLINDER MOLDS SHALL BE FURNISHED BY THE CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT THE CYLINDERS UNTIL SUCH TIME AS THEY ARE TRANSPORTED FOR TESTING. TESTING FOR PROJECTS SHALL BE PERFORMED BY AN INDEPENDENT TESTING LAB, AT NO COST TO THE CITY. THE CONTRACTOR SHALL PROVIDE EQUIPMENT AND PERFORM TESTS ON CONCRETE FOR A MAXIMUM SLUMP AND AIR CONTENT AS DEFINED IN SECTION 1000 OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. THESE TESTS SHALL BE PERFORMED AT A FREQUENCY ESTABLISHED BY THE INSPECTOR. MATERIALS FAILING TO MEET SPECIFICATIONS SHALL BE REMOVED BY THE CONTRACTOR.
- ALL CONCRETE SHALL BE CURED WITH 100% RESIN BASE, WITH PIGMENTED CURING COMPOUND WHICH MEETS ASTM SPECIFICATIONS C-309, TYPE 1, APPLIED AT A UNIFORM RATE AT ONE (1) GALLON TO 400 SQUARE FEET WITHIN 24 HOURS OF PLACEMENT OF THE CONCRETE.
- ALL CURB & GUTTER SHALL BE BACKFILLED WITH SOIL APPROVED BY THE INSPECTOR WITHIN 48 HOURS AFTER CONSTRUCTION TO PREVENT EROSION.
- ALL BACKFILL AND SUBGRADE SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATIVE MATTER, WASTE, WASTE, CONSTRUCTION MATERIAL OR OTHER OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND THE MATERIAL SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMPERING BLOWS OR PROOF ROLLING. STONE UNDER CURB & GUTTER SHALL ALSO BE PROOF ROLLED AND APPROPRIATE TESTING RESULTS PROVIDED PER THE APPROPRIATE CITY OF STATESVILLE CERTIFICATION.
- MATERIALS DEEMED BY THE INSPECTOR AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SELECT BACKFILL MATERIAL.
- ALL TRENCHES IN THE STREET RIGHT-OF-WAY SHALL BE BACKFILLED WITH SUITABLE MATERIAL IMMEDIATELY AFTER THE PIPE IS LAID. THE FILL AROUND ALL PIPE SHALL BE PLACED IN LAYERS NOT TO EXCEED SIX (6) INCHES AND EACH LAYER SHALL BE COMPACTED THOROUGHLY. FOR STORM DRAINAGE SEE BACKFILL UNDER STORM DRAINAGE SECTION.

FIRE STATION No.5 (533 GAITHER RD)

CITY of STATESVILLE, NORTH CAROLINA

OWNER INFORMATION

OWNER NAME: CITY of STATEVILLE
PARCEL ID: 4745-04-1052
DB=3153 PG=578



301 S. CENTER STREET
P.O. Box 1111
STATESVILLE, NC 28677
P: 704-878-3583

CITY of STATESVILLE
FIRE STATION No.5
at 533 GAITHER ROAD
COVER SHEET

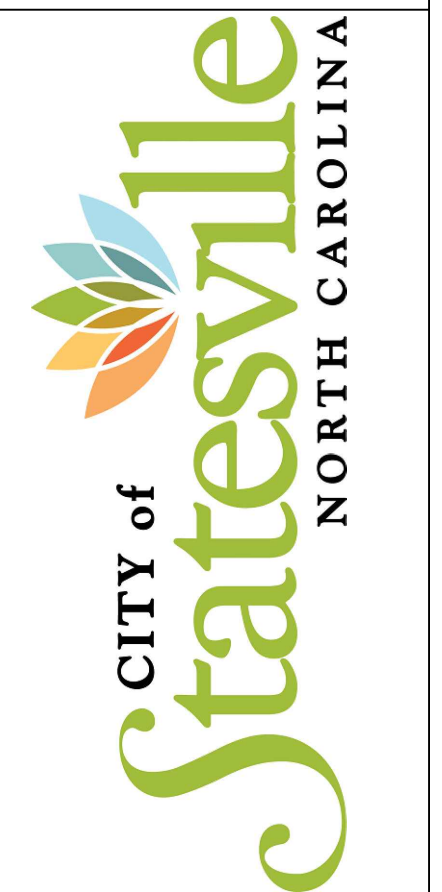


Date:	1/05/26
Drawn By:	D.E.V.
Checked By:	C.O.
Phase:	
Project #:	

Revisions:			
No.	Date	No.	Description

SCALE:
1" = 20'
SHEET
1 OF 8

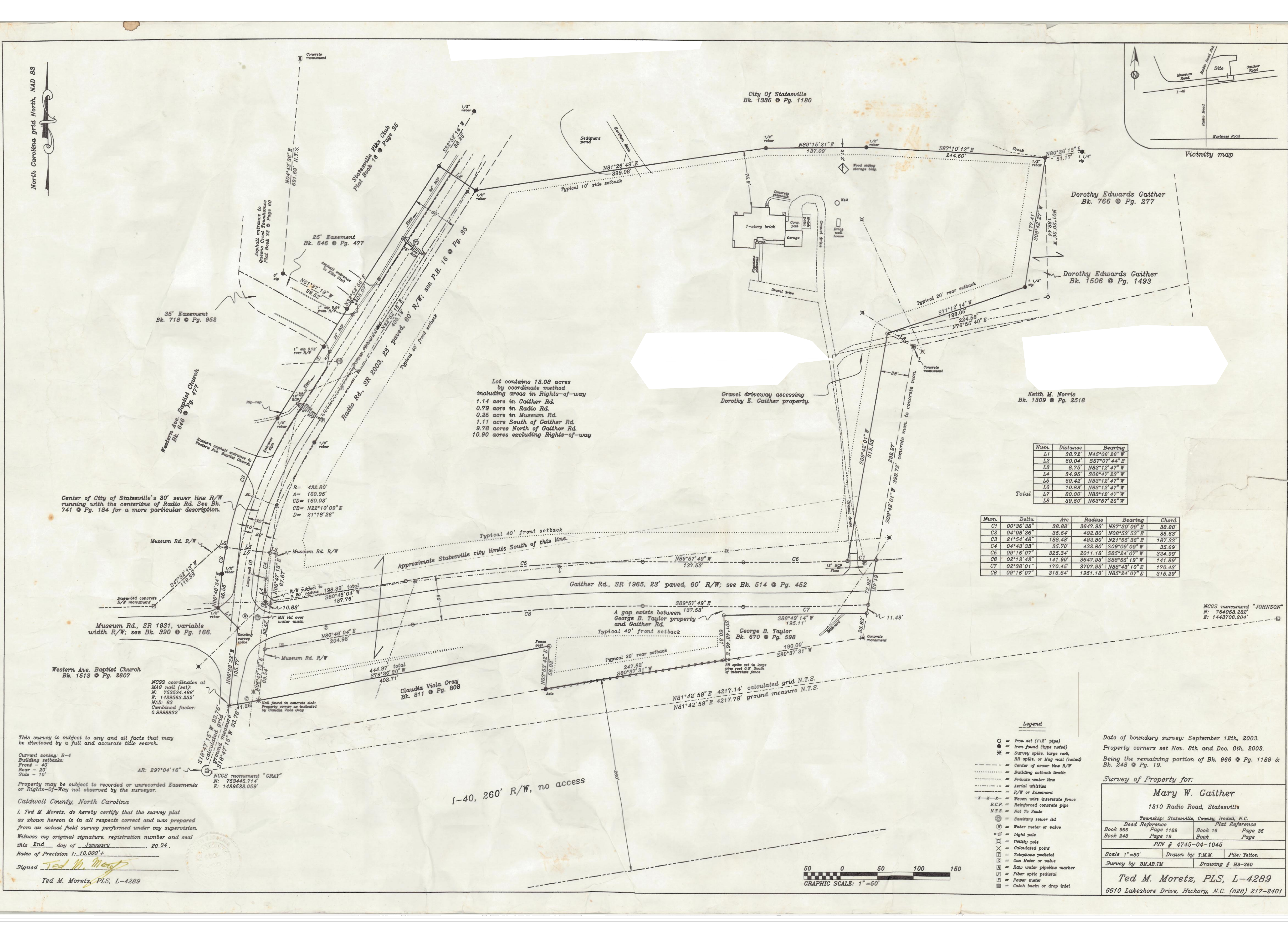
CITY of STATESVILLE
FIRE STATION No.5
at 533 GAITHER ROAD
EXISTING SURVEY SHEET



Date: 1/05/06
Drawn By: D.E.V.
Checked By: C.O.
Phase:
Project #:

Revisions:	Description	Date

SCALE:
1" = 30'
SHEET
2 OF 8



Num.	Distance	Bearing
L1	38.72'	N45°06'26" E
L2	60.04'	S57°07'44" E
L3	8.75'	N83°12'47" W
L4	34.95'	S06°47'23" W
L5	60.42'	N53°12'47" W
L6	10.83'	N83°12'47" W
L7	80.00'	N83°12'47" W
L8	39.60'	N63°57'28" W
Total		

Num.	Delta	Arc	Radius	Bearing	Chord
C1	00°38'38"	32.88'	3647.93'	N87°30'09" E	32.88'
C2	04°08'36"	35.64'	432.80'	N08°53'53" E	35.63'
C3	21°54'48"	188.48'	432.80'	N21°55'36" E	187.33'
C4	04°43'33"	35.70'	432.80'	S09°09'09" W	35.69'
C5	09°16'07"	325.34'	2011.18'	S85°24'07" W	324.99'
C6	02°13'43"	141.90'	3647.93'	S88°56'19" W	141.89'
C7	02°38'01"	170.45'	3707.93'	N88°43'10" E	170.43'
C8	09°16'07"	315.64'	1951.18'	N85°24'07" E	315.29'

Legend

- = Iron set (1/2" pipe)
- = Iron found (type noted)
- * = Survey spike, large nail, RR spike, or Mag nail (noted)
- = Center of sewer line R/W
- = Building setback limits
- = Private water line
- = Aerial utilities
- = R/W or Easement
- = Woven wire understate fence
- = Reinforced concrete pipe
- = Hot To Scale
- = Secondary sewer lid
- = Water meter or valve
- = Light pole
- = Utility pole
- = Calculated point
- = Telephone pedestal
- = Gas Meter or valve
- = Raw water pipeline marker
- = Fiber optic pedestal
- = Power meter
- = Catch basin or drop inlet

Date of boundary survey: September 12th, 2003.
Property corners set Nov. 8th and Dec. 6th, 2003.
Being the remaining portion of Bk. 966 @ Pg. 1189 & Bk. 248 @ Pg. 19.

Survey of Property for:

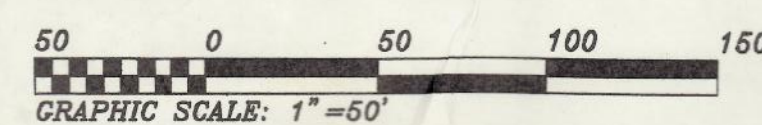
Mary W. Caither
1310 Radio Road, Statesville

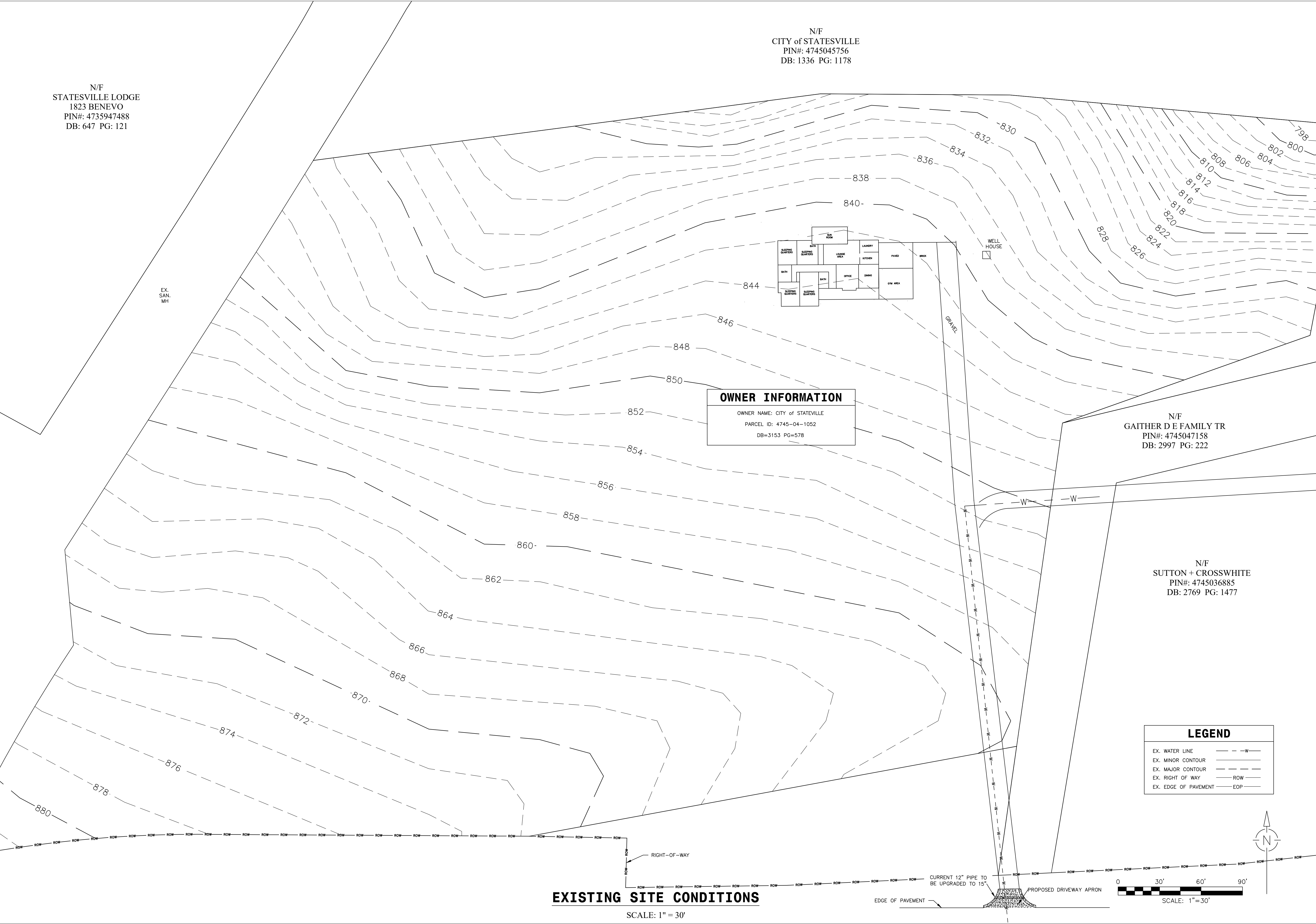
Township: Statesville, County: Iredell, N.C.

Deed Reference	Plat Reference
Book 966 Page 968	Book 16 Page 35
Book 248 Page 19	Book 1045 Page 1045

Scale 1"=50' Drawn by: T.M.M. File: Yellow
Survey by: B.M.A.B.T.M. Drawing # H3-250

Ted M. Moretz, PLS, L-4289
6610 Lakeshore Drive, Hickory, N.C. (828) 217-2401





CITY of STATESVILLE
ENGINEERING

301 S. CENTER STREET
P.O. Box 1111
STATESVILLE, NC 28677
P: 704-878-3583

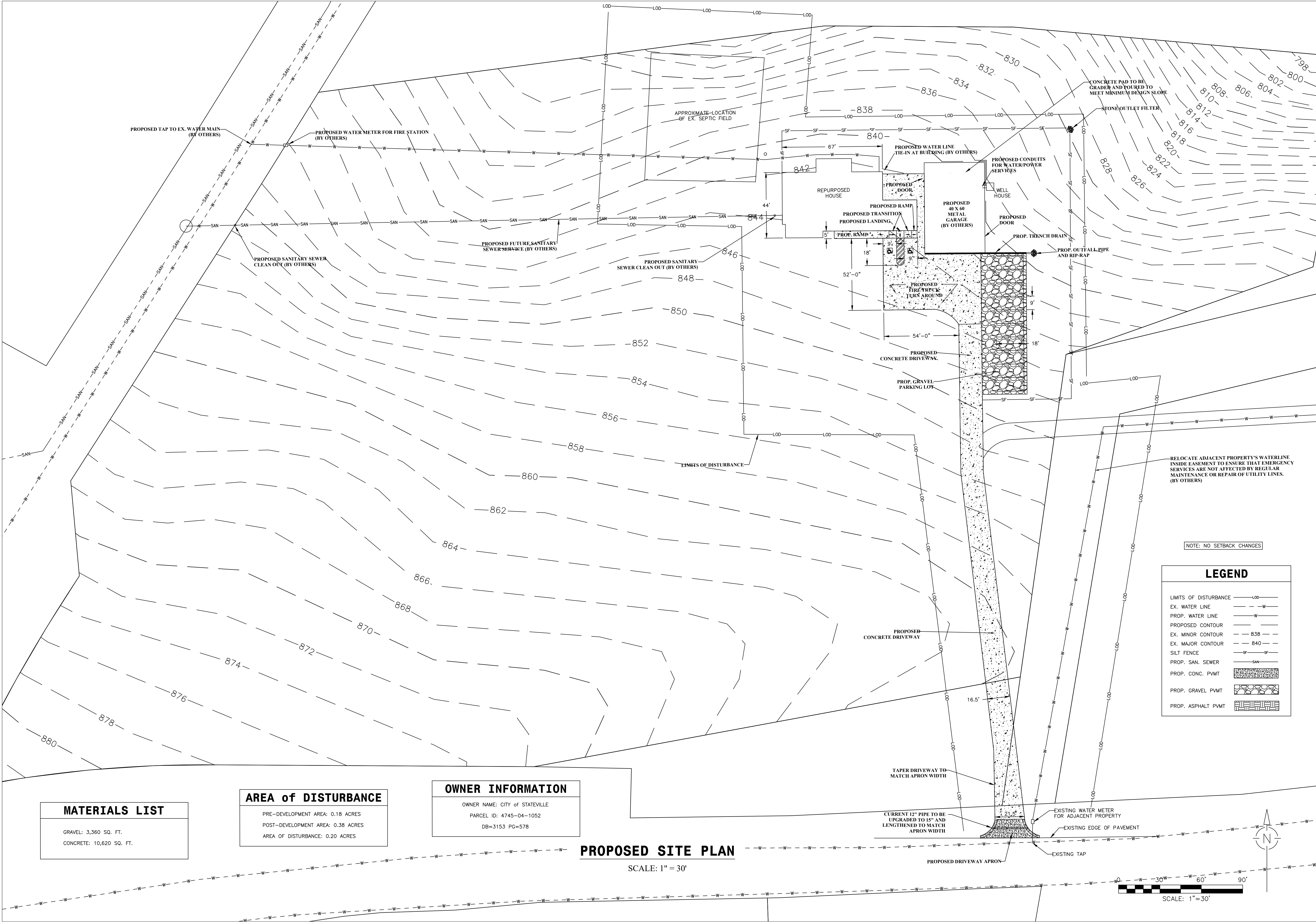
CITY of STATESVILLE
FIRE STATION No.5
at 533 GAITHER ROAD
EXISTING SITE PLAN

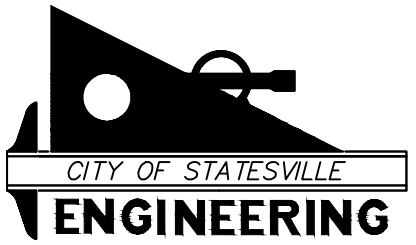
CITY of
Statesville
NORTH CAROLINA

Date:	9/23/25
Drawn By:	D.E.V.
Checked By:	C.O.
Phase:	
Project #:	

Revisions:	No.	Date	Description

SCALE:
1" = 30'
SHEET
3 OF 8





**CITY OF STATESVILLE
ENGINEERING**

301 S. CENTER STREET
P.O. Box 1111
STATESVILLE, NC 28677
P: 704-878-3583

CITY of STATESVILLE

FIRE STATION No.5

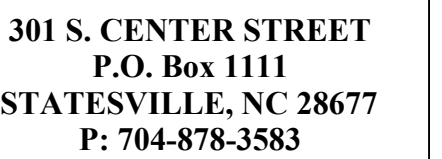
at 533 GAITHER ROAD

PROPOSED SITE PLAN

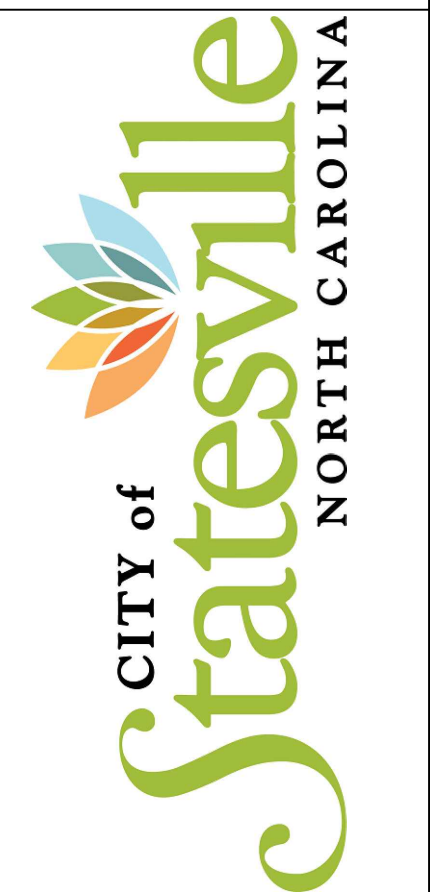


Date:	12/03/25	Drawn By:	D.E.V.	Checked By:	C.O.	Phase:		Project #:	
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Revisions:		Description	
No.	Date		



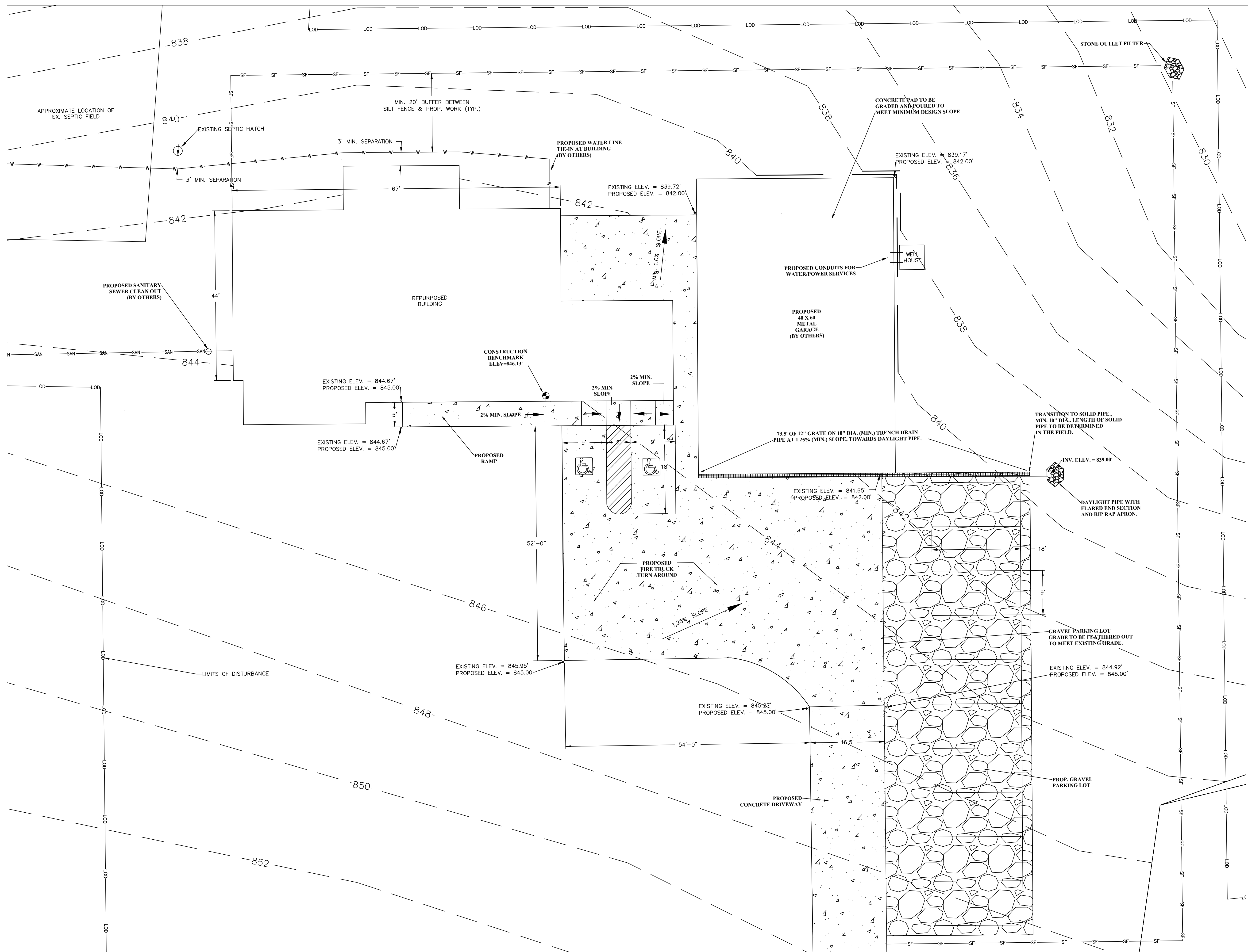
CITY of STATESVILLE
FIRE STATION No.5
at 533 GAITHER ROAD
PROPOSED GRADING PLAN



Date: 12/03/25
Drawn By: D.E.V.
Checked By: C.O.
Phase: .
Project #: .

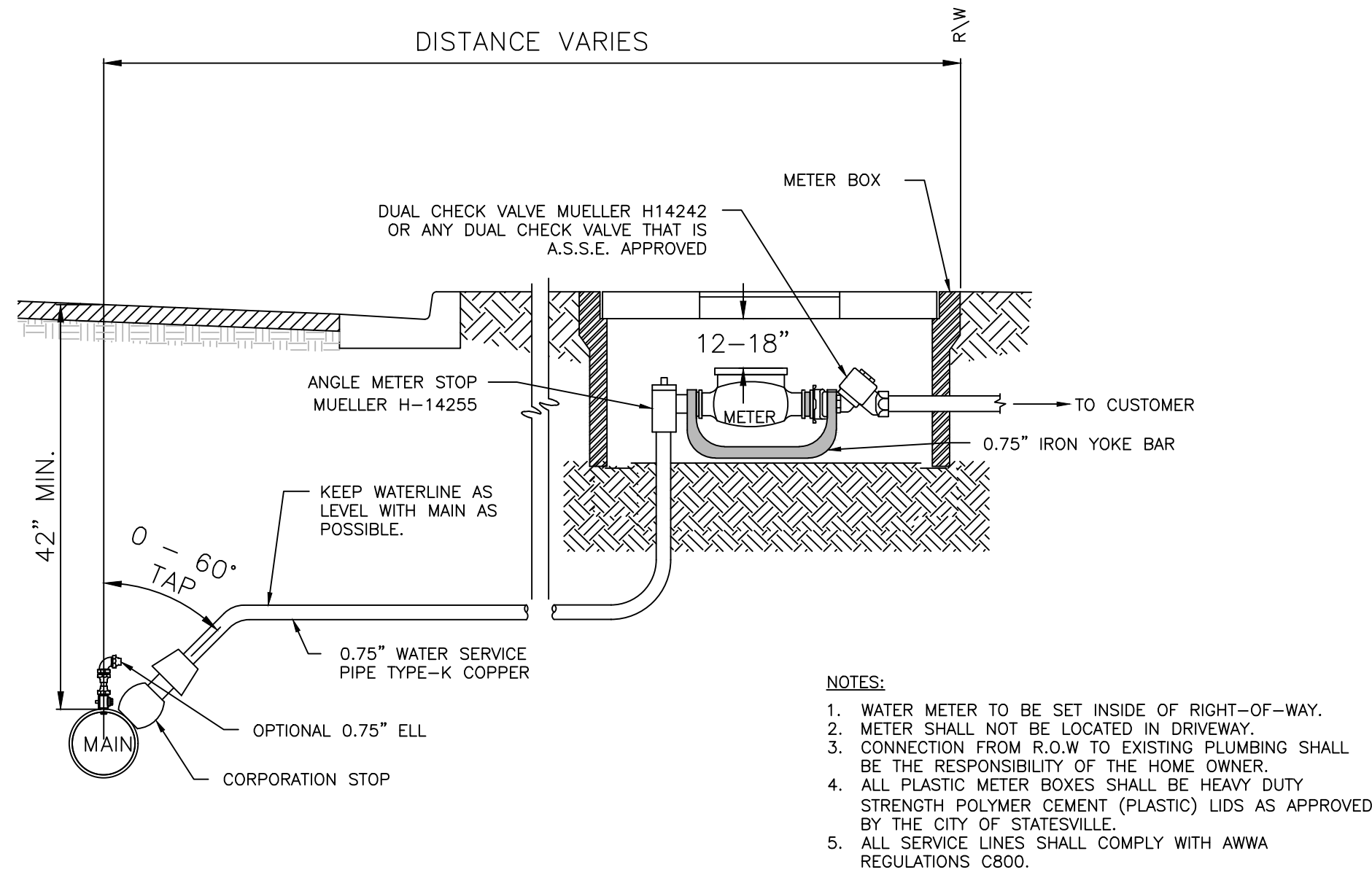
[illegible]

SCALE:
1" = 10'
SHEET
5 OF 8

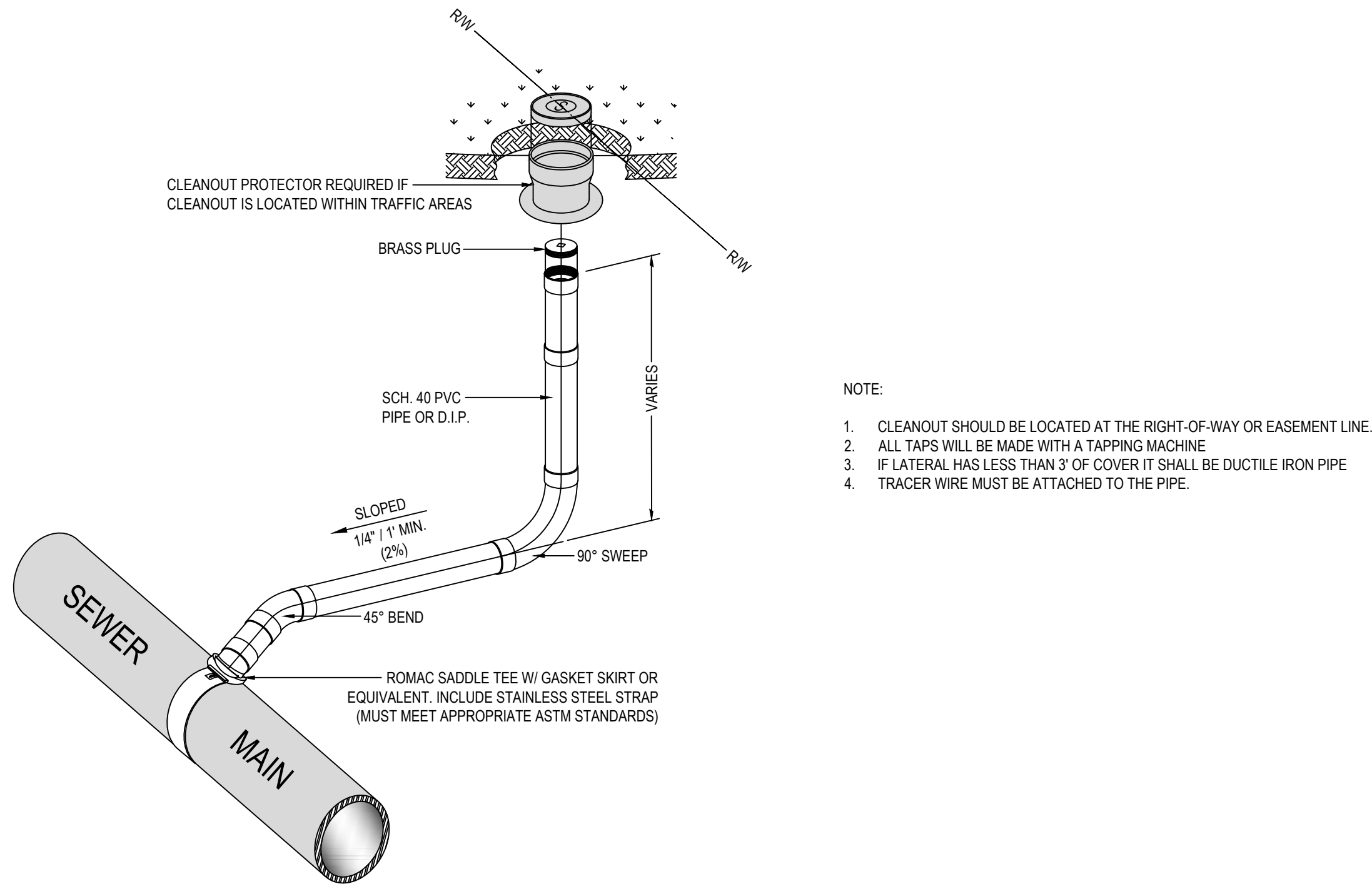


PROPOSED GRADING PLAN

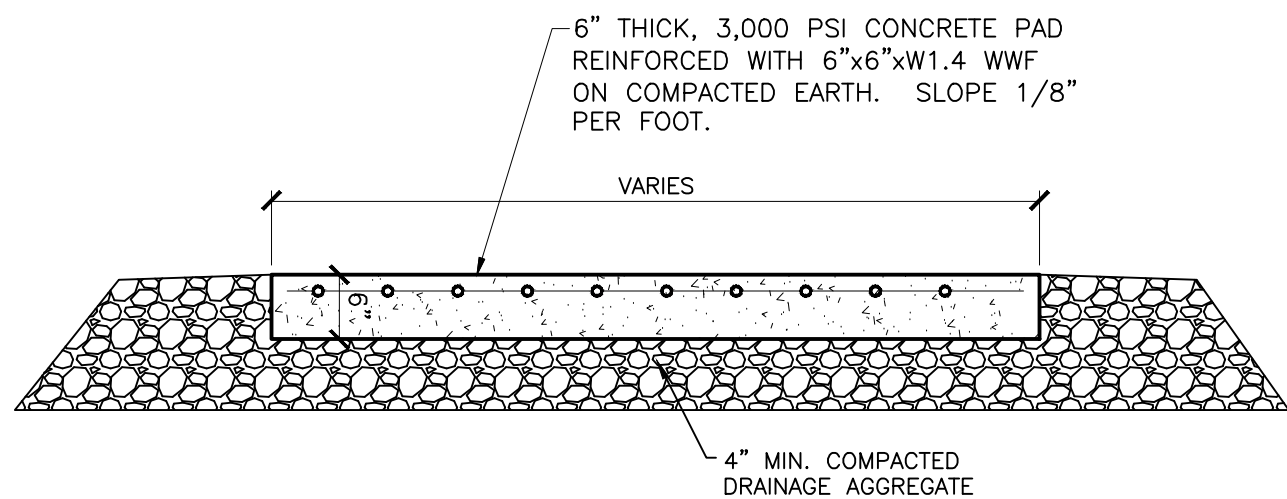
SCALE: 1" = 10'



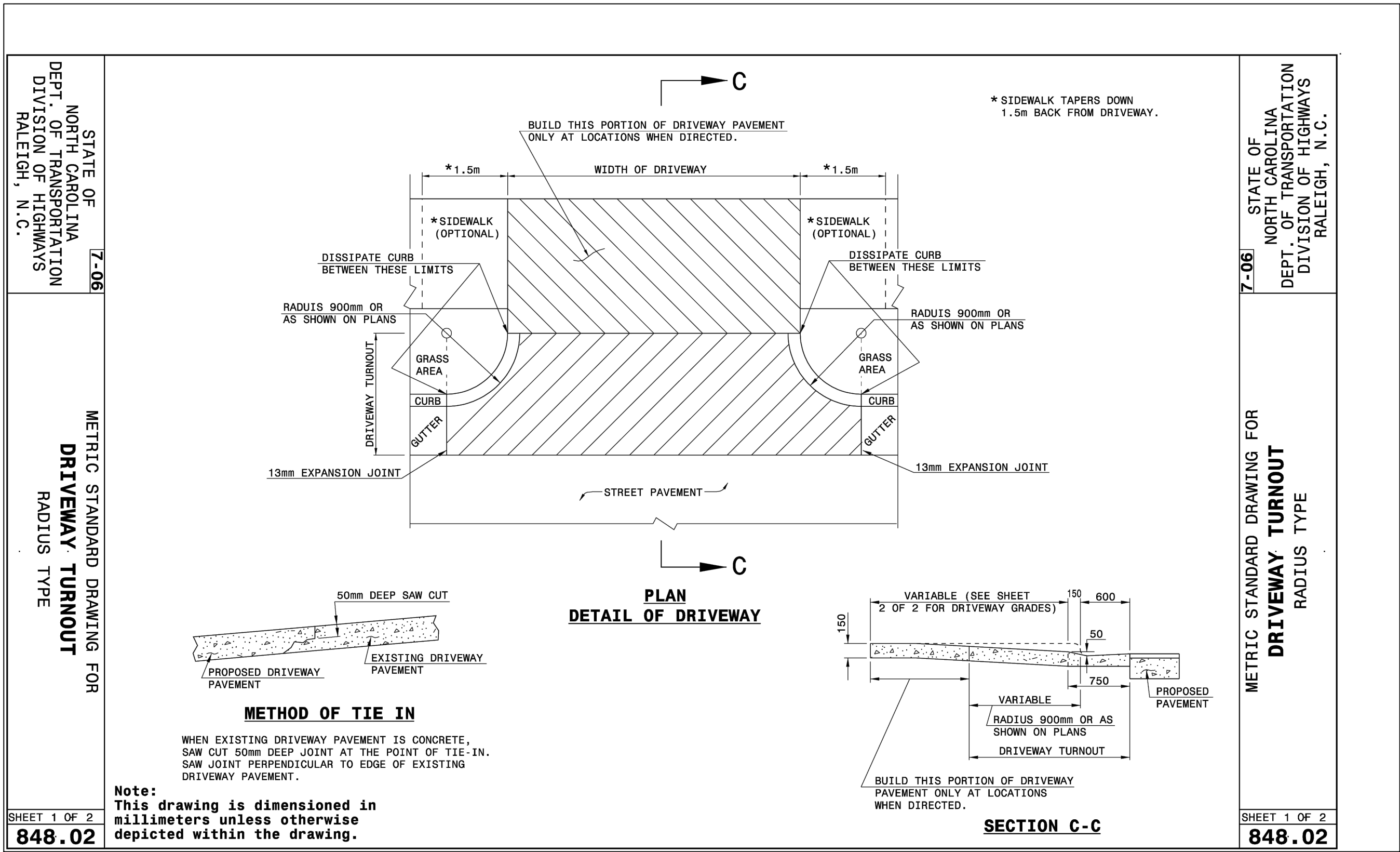
WATER TAP DETAIL (BY OTHERS)
STATESVILLE, NORTH CAROLINA



SEWER TAP DETAIL (BY OTHERS)
STATESVILLE, NORTH CAROLINA



CONCRETE DRIVEWAY DETAIL
STATESVILLE, NORTH CAROLINA

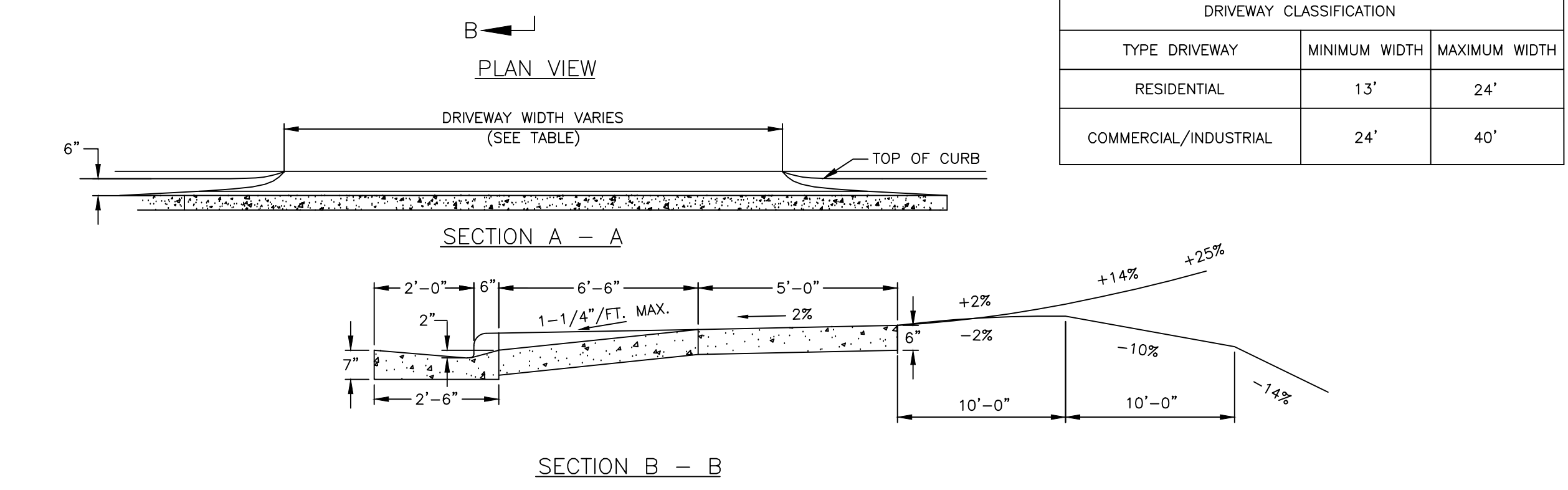
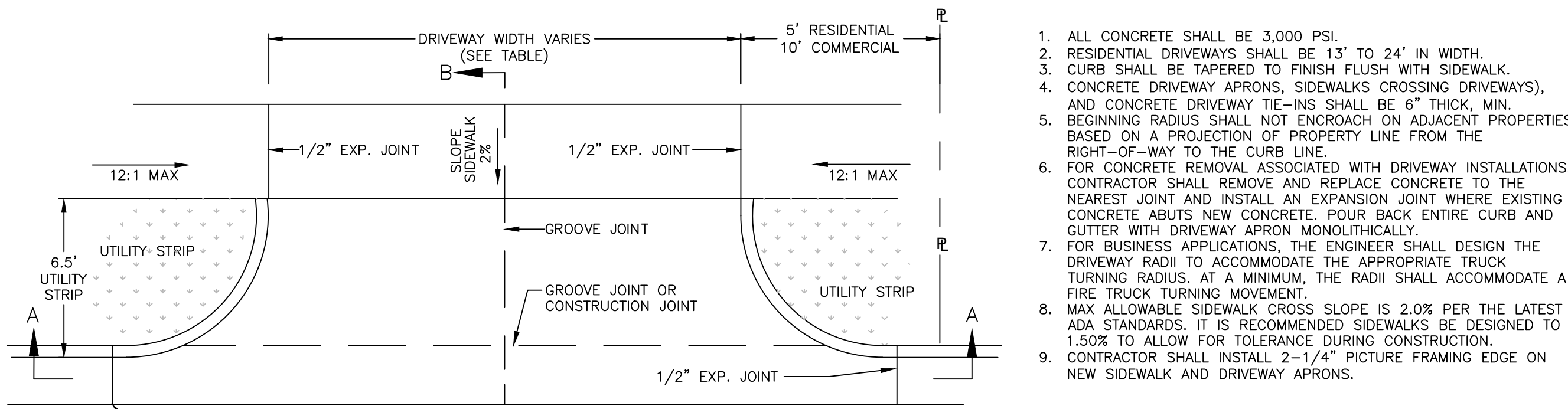


SHEET 1 OF 2
848.02

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

METRIC STANDARD DRAWING FOR
DRIVEWAY TURNOUT
RADIUS TYPE

Note:
This drawing is dimensioned in millimeters unless otherwise depicted within the drawing.



DRIVEWAY WITH CURB & GUTTER
STATESVILLE, NORTH CAROLINA

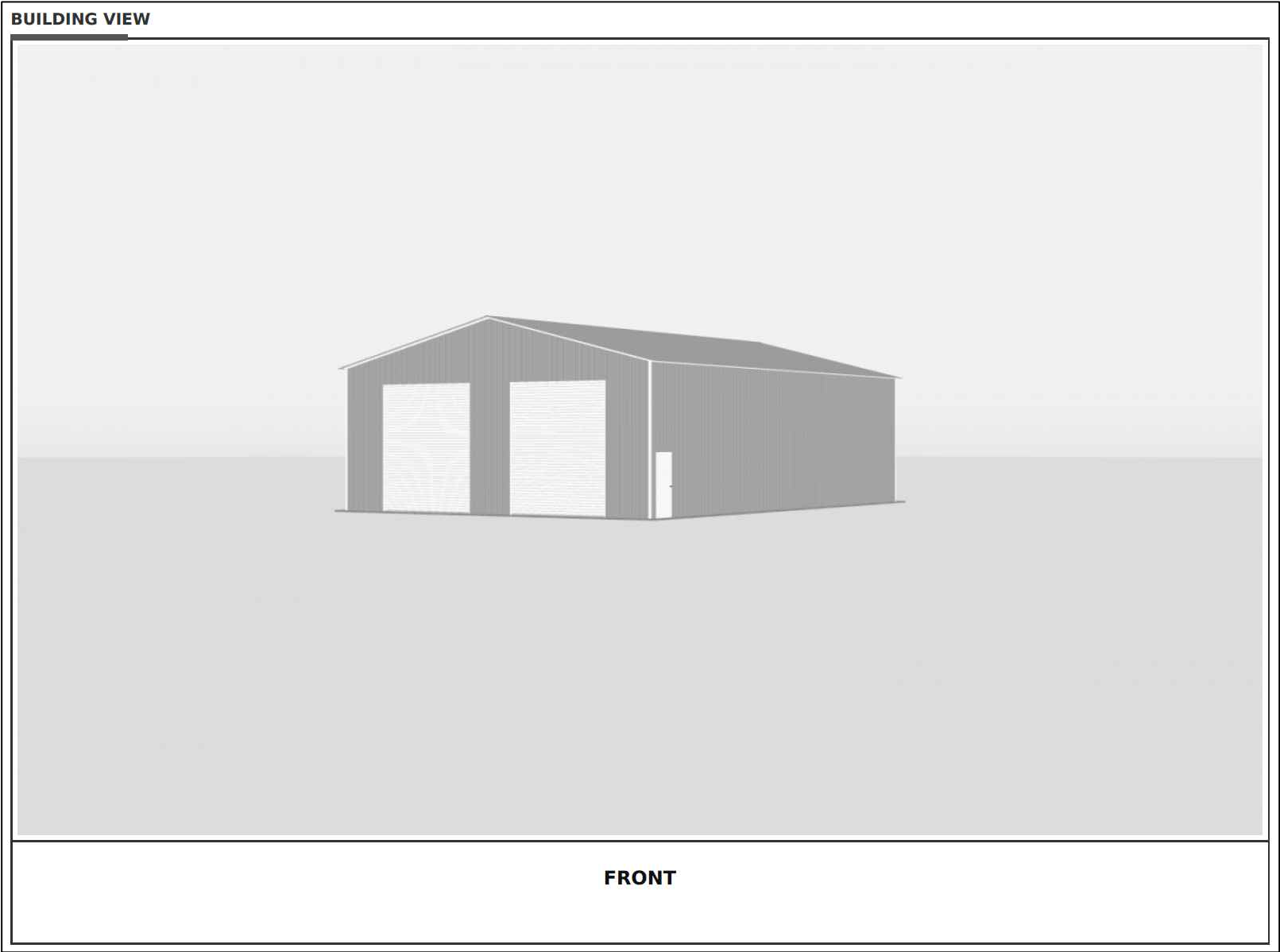
FIRE STATION No. 5
Owner: CITY of STATESVILLE
Parcel ID: 4745-04-1052
DETAILS SHEET 1



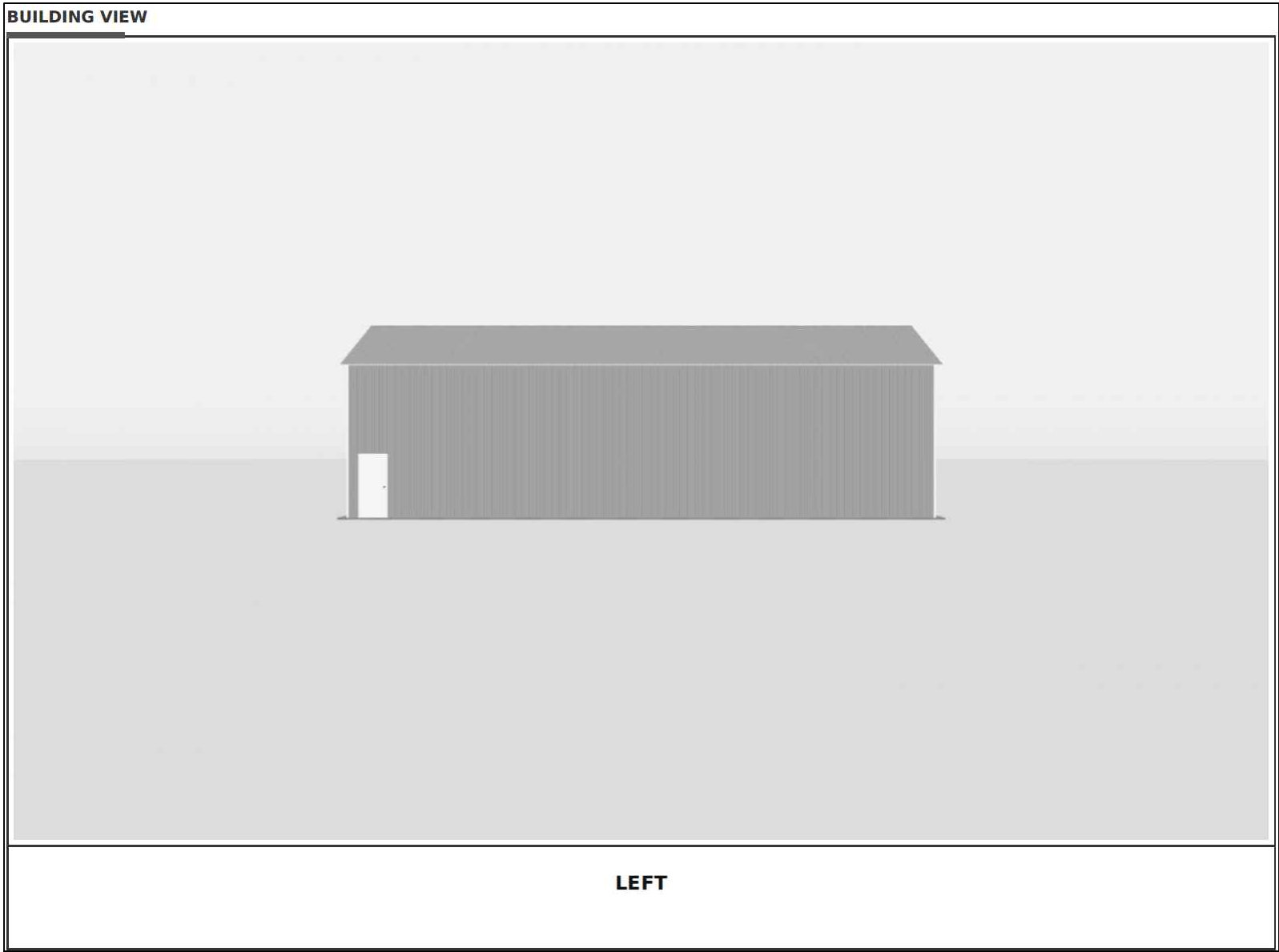
Date: 9/24/25	Drawn By: D.E.V.	Checked By: C.O.	Phase:	Project #:
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Revisions:	No.	Date	Description

SCALE:
AS NOTED
SHEET
6 OF 8



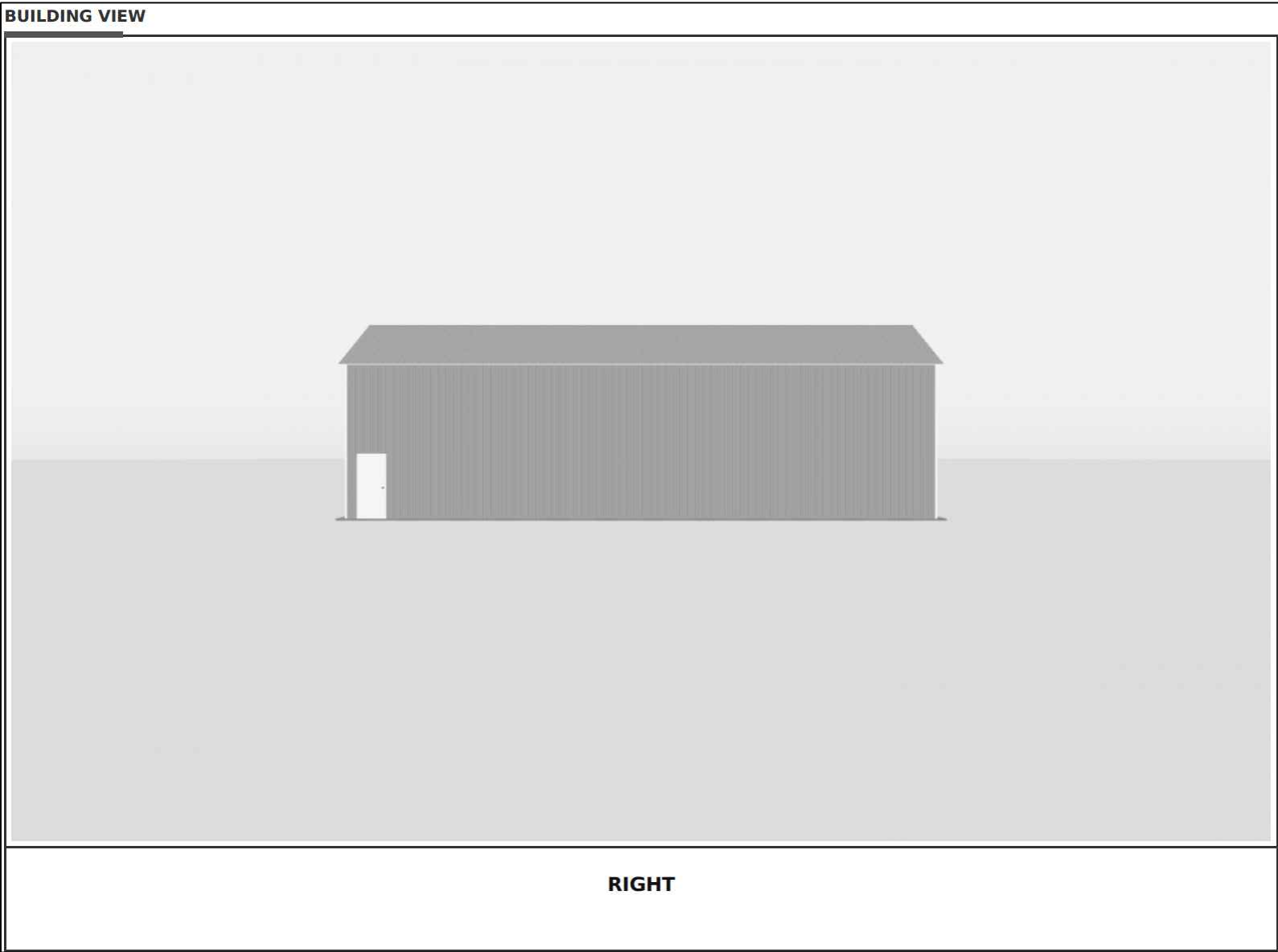
FRONT BUILDING VIEW (BY OTHERS)



LEFT BUILDING VIEW (BY OTHERS)



BACK BUILDING VIEW (BY OTHERS)

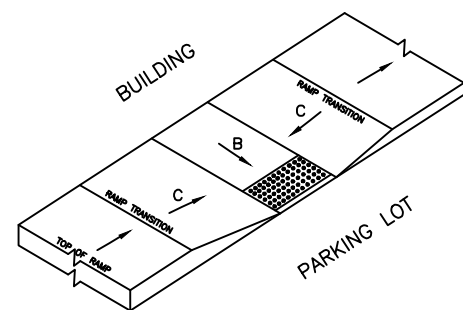
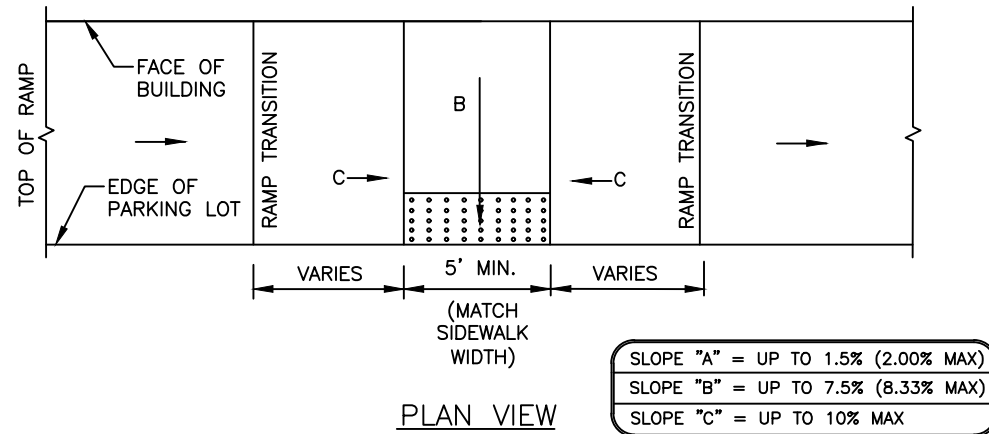


RIGHT BUILDING VIEW (BY OTHERS)

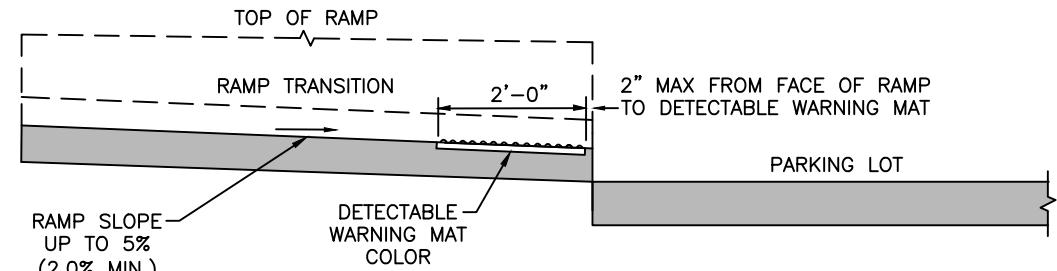
Revisions:		Description	
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.	.	.	.
.	.	.	.
.	.	.	.
No.	Date		

NOTES:

1. ENSURE FLUSH CONDITIONS AT CURB RAMP TO GUTTER TRANSITION.
2. TYPICALLY, THE SIDEWALK RUNNING SLOPE SHALL NOT EXCEED THE GENERAL GRADE ESTABLISHED FOR THE ADJACENT STREET.
3. MAINTAIN POSITIVE DRAINAGE ALONG THE LIP OF GUTTER IN RAMP. IN FLAT AREAS, ADDITIONAL CATCH BASINS MAY BE REQUIRED ON THE SIDES OF THE RAMP TO MINIMIZE STANDING WATER AT THE RAMP LOCATION.
4. IF THE SLOPE FROM FLOWLINE TO BACK OF CURB AT RAMP IS LESS THAN 8.3%, THEN THE SLOPE FROM LIP TO FLOWLINE AT RAMP MAY EXCEED 5% AS LONG AS THE DIFFERENCE BETWEEN THESE TWO SLOPES IS LESS THAN 13.3%.



ISOMETRIC VIEW



TYPICAL RAMP SECTION

ADA RAMP AT BUILDING AND PARKING LOT

STATESVILLE, NORTH CAROLINA

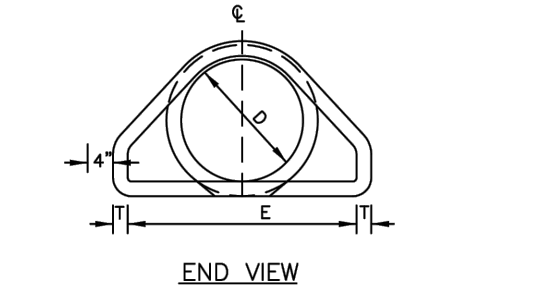
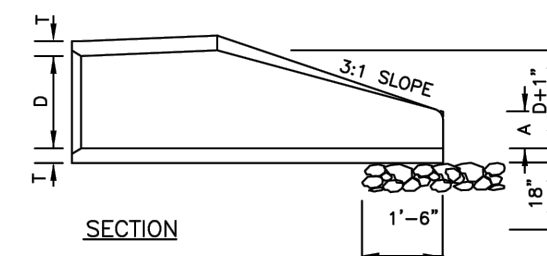
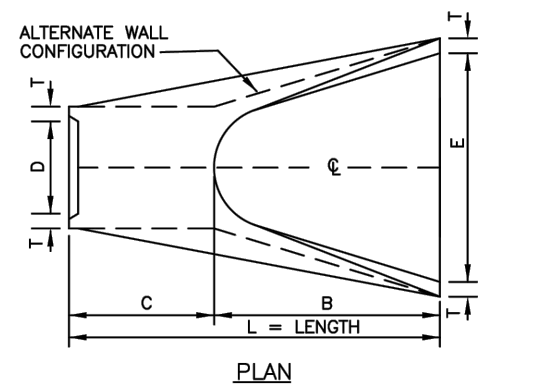


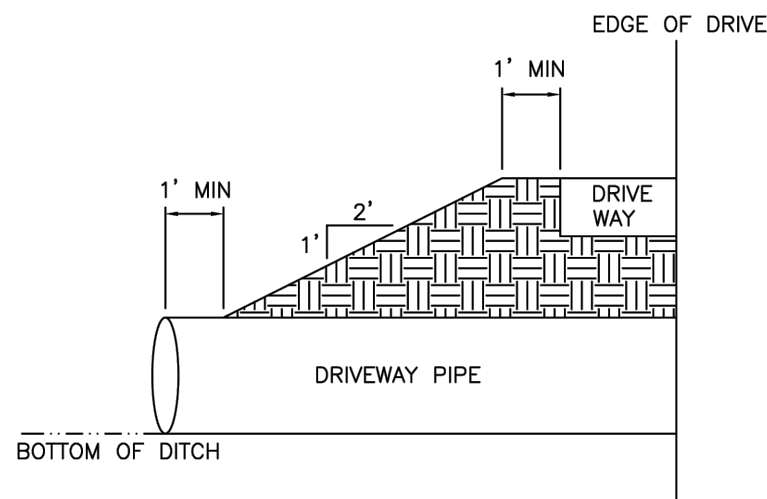
TABLE OF DIMENSIONS									
D	T	A	B	C	E	L	WT.		
12"	2-1/4"	4"	2'-0"	4'-1"	2'-0"	6'-1"	730		
15"	2-1/4"	6"	2'-3"	3'-10"	2'-0"	6'-1"	730		
18"	2-1/2"	9"	2'-3"	3'-10"	3'-0"	6'-1"	1190		
24"	3"	10"	3'-8"	2'-6"	4'-0"	6'-2"	1770		
30"	3-1/2"	1'-0"	4'-6"	1'-8"	5'-0"	6'-2"	2380		
36"	4"	1'-3"	5'-3"	2'-11"	6'-0"	8'-2"	5320		
42"	4-1/2"	1'-9"	5'-3"	2'-11"	6'-6"	8'-2"	5920		
48"	5"	2'-0"	6'-0"	2'-2"	7'-0"	8'-2"	7470		
54"	5-1/2"	2'-3"	5'-6"	2'-10"	7'-6"	8'-4"	8810		
60"	6"	2'-6"	5'-0"	3'-3"	8'-0"	8'-3"	11180		
66"	6-1/2"	3'-0"	6'-0"	2'-3"	8'-6"	8'-3"	12530		
72"	7"	3'-0"	6'-6"	1'-9"	9'-0"	8'-3"	13980		

NOTES:

1. SEE NCDOT STANDARD 310.02 - 310.06 FOR DETAILS.
2. REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF REINFORCED CONCRETE PIPE OF LIKE DIAMETER PER AASHTO M170, TABLE 2, WALL B.
3. ALL CONCRETE TO BE 3600 P.S.I. COMPRESSIVE STRENGTH.
4. PROVIDE TONGUE OR SPIGOT JOINT AT INLET END SECTION.
5. PROVIDE GROOVE OR BELL JOINT AT OUTLET END SECTION.
6. THE DIMENSIONS FOR END SECTIONS SHALL SUBSTANTIALLY AGREE WITH THE TABLE. MINOR VARIATIONS WILL BE PERMITTED BASED ON THE MANUFACTURER'S STANDARD FORMS AND TEMPLATES.
7. NOT TO BE USED IN NCDOT MAINTAINED RIGHT OF WAY.

FLARED END SECTION

STATESVILLE, NORTH CAROLINA



NOTES:

1. THE MIN PIPE SIZE = 15" RCP, MIN LENGTH = 20'
2. A LARGER PIPE SIZE MAY BE REQUIRED IF DETERMINED BY A PROFESSIONAL ENGINEER
3. THE LENGTH OF PIPE REQUIRED SHALL BE THE AMOUNT NEEDED TO EXTEND (1') BEYOND THE TOE OF A 2:1 SLOPE. SEE SECTION DETAIL
4. DITCH SHALL BE INSPECTED BY CITY STAFF PRIOR TO PIPE INSTALLATION

RESIDENTIAL DRIVEWAY PIPE DITCH SECTION

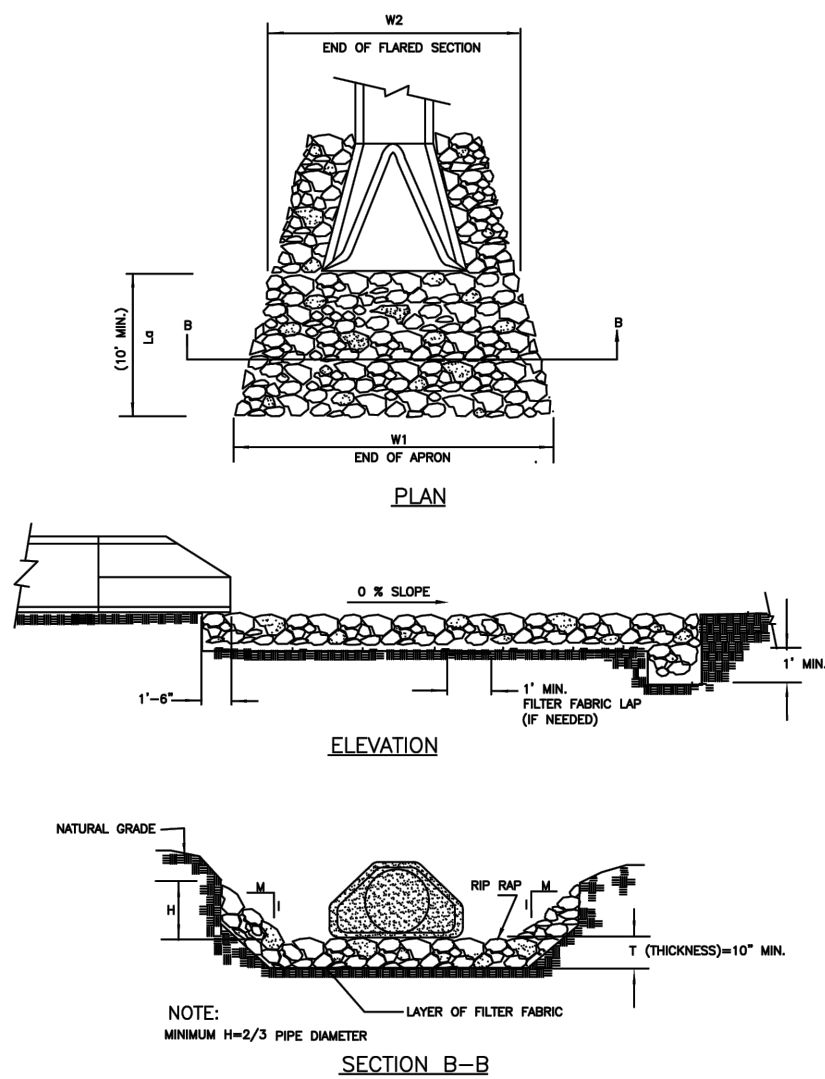
STATESVILLE, NORTH CAROLINA

NOTES:

1. CLASS OR MEDIAN SIZE OF RIPRAP AND LENGTH, WIDTH AND DEPTH OF APRON TO BE DESIGNED BY THE ENGINEER USING NCDOT SEDIMENT AND EROSION CONTROL MANUAL. (SEE TABLE BELOW).
2. RIPRAP SHOULD EXTEND UP BOTH SIDES OF THE APRON AND AROUND THE END OF THE PIPE OR CULVERT AT THE DISCHARGE OUTLET AT A MAXIMUM SLOPE OF 2:1 AND A HEIGHT NOT LESS THAN TWO THIRDS THE PIPE DIAMETER OR CULVERT HEIGHT.
3. THERE SHALL BE NO OVERFLOW FROM THE END OF THE APRON TO THE SURFACE OF THE RECEIVING CHANNEL. THE AREA TO BE PAVED OR RIPRAPPED SHALL BE UNDERLST SO THAT THE INVERT OF THE APRON SHALL BE AT THE SAME GRADE (FLUSH) WITH THE SURFACE OF THE RECEIVING CHANNEL. THE APRON SHALL HAVE A CUTOFF OR TOE WALL AT THE DOWNSTREAM END.
4. THE WIDTH OF THE END OF THE APRON SHALL BE EQUAL TO THE BOTTOM WIDTH OF THE RECEIVING CHANNEL. MAXIMUM TAPER TO RECEIVING CHANNEL 5:1
5. ALL SUBGRADE FOR STRUCTURE TO BE COMPACTED TO 95% OR GREATER.
6. THE PLACING OF FILL, EITHER LOOSE OR COMPACTED IN THE RECEIVING CHANNEL SHALL NOT BE ALLOWED.
7. NO BENDS OR CURVES IN THE HORIZONTAL ALIGNMENT OF THE APRON WILL BE PERMITTED.
8. FILTER FABRIC SHALL BE INSTALLED ON COMPACTED SUBGRADE PRIOR TO PLACEMENT OF RIP RAP.
9. ANY DISTURBED AREA FROM END OF APRON TO RECEIVING CHANNEL MUST BE STABILIZED.

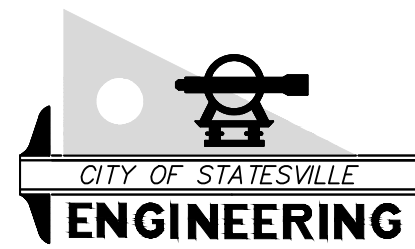
OUTLET	L ₁	W ₁	W ₂	*T	H

* d50 (see fig 8.06 cda's "NC SEDIMENT AND EROSION CONTROL MANUAL")
d_{max} = 1.5 x d50
T = 1.5 x d_{max}
T_(min) = 10"



RIP-RAP APRON AT PIPE OUTFALLS

STATESVILLE, NORTH CAROLINA



301 S. CENTER STREET
P.O. Box 1111
STATESVILLE, NC 28677
P: 704-878-3583

FIRE STATION No. 5
Owner: CITY of STATESVILLE
Parcel ID: 4745-04-1052
DETAILS SHEET 3



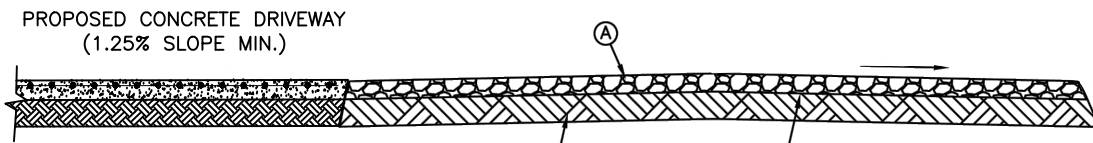
Date: 12/31/25
Drawn By: D.E.V.
Checked By: C.O.
Phase:
Project #:

Revisions:

No.	Date	Description

SCALE:
AS NOTED
SHEET

8 OF **8**



PAVEMENT SCHEDULE
A. 6" AGGREGATE BASE COURSE
B. GEOTEXTILE FABRIC
C. 12" MIN. COMPACTED SUBGRADE

GRAVEL PARKING LOT

STATESVILLE, NORTH CAROLINA