

**CIVIL ENGINEERING & LANDSCAPE ARCHITECTURE:**

Rivers & Associates, Inc.  
Greenville, NC



107 East Second Street  
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f 252-752-3974

www.riversandassociates.com

Contact: James 'Dan' Withers, PE  
dwithers@riversandassociates.com

Greg S. Lambert, PLA, LEED AP  
glambert@riversandassociates.com

**PME ENGINEERING:**

Dibble & Pledger, P.A.  
Washington, NC

222 West Main Street  
Washington, North Carolina 27889  
p 252-924-3320  
f 252-946-5160

Contact: Ron Pledger, PE  
rpledger@dibbleandpledger.com

**ROADWAY ENGINEERING:**

Davenport Engineering  
Winston-Salem, NC

305 W. 4th Street  
Suite 2A  
Winston Salem, North Carolina 27115  
p 336-744-1636  
www.davenportworld.com

Contact: John Townsend, PE  
jtownsend@davenportworld.com

**OWNER:**

City of Greenville  
Greenville, NC



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PUBLIC WORKS DEPARTMENT  
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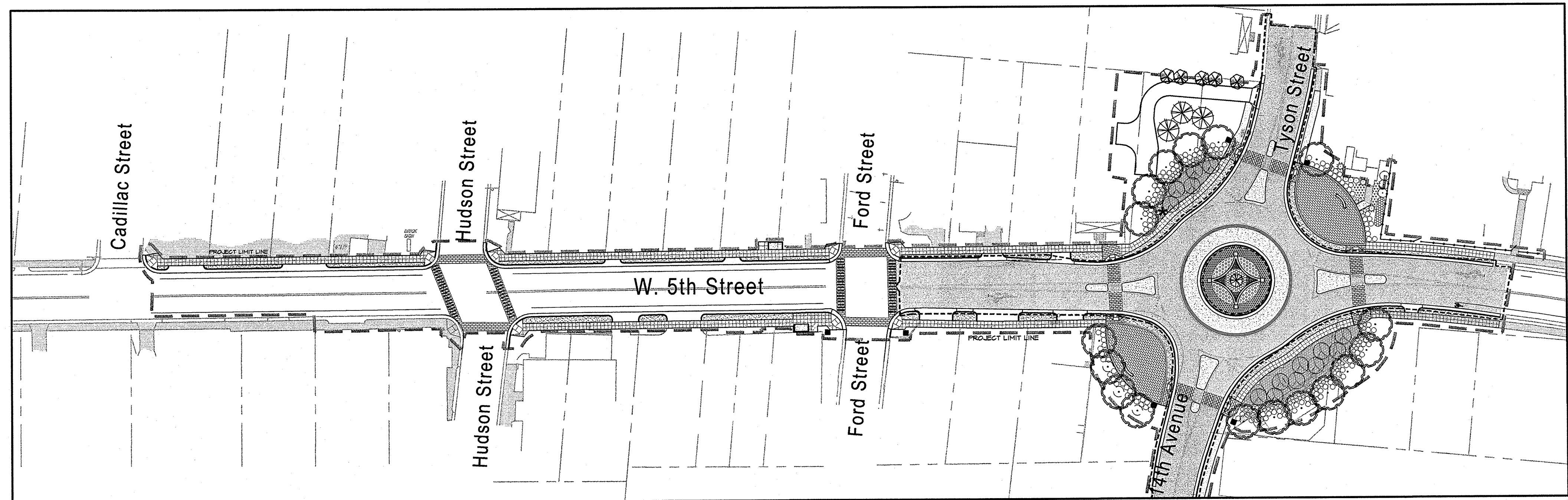
Contact: Scott Godefroy, P.E., City Engineer  
sgodefroy@greenvillenc.gov

CONSTRUCTION DRAWINGS

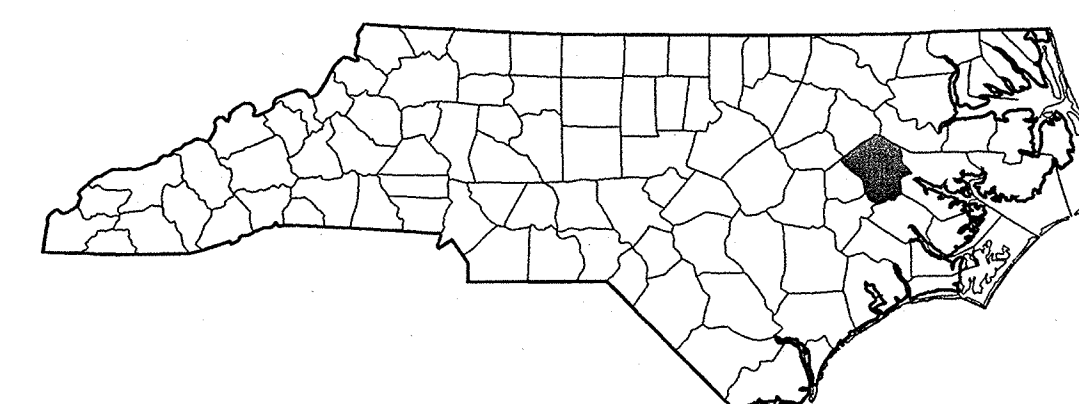
# West Fifth Street Gateway Streetscape - Ph. 2

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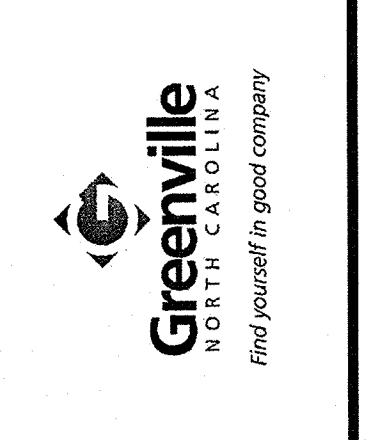
PITT COUNTY



NORTH CAROLINA

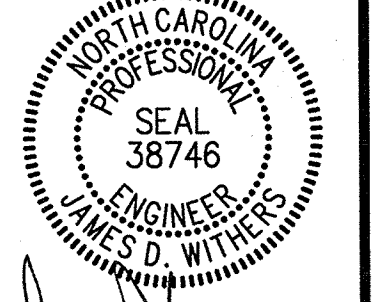
REVISIONS:

REV.	DATE	DESCRIPTION



COVER SHEET  
West Fifth Street Gateway Streetscape - Phase 2  
**CITY OF GREENVILLE**  
NORTH CAROLINA  
PITT COUNTY  
Landscape Architects

**Rivers & Associates, Inc.**  
riversandassociates.com  
107 East Second Street  
Greenville, NC 27858  
(252) 752-4135



March 30, 2015  
SURVEY - DRAFT EW/SR  
DESIGN - CHECK JDW  
PROJECT No. 2011107  
DRAWING No. W-3571  
SCALE: AS SHOWN  
SHEET No. OF 22  
**T-1**

**LEGEND**

M.B.	MAP BOOK	FOB	FIBER OPTIC BOX
P.G.	PAGE	TSP	TRAFFIC SIGNAL POLE
D.B.	DEED BOOK	TSB	TRAFFIC SIGNAL BOX
E.I.P.	EXISTING IRON PIPE	FOB	FIBER OPTIC BOX
E.I.R.	EXISTING IRON ROD	+ 0.00	TOP OF CONCRETE
(P.)	PINCHED	+ 0.00	NATURAL GROUND
E.P.K.	EXISTING PK NAIL	+ 0.00	BACK OF CURB
RD	ROOF DRAIN	+ 0.00	TOP OF GRAVEL
TP	TELEPHONE PEDESTAL	+ 0.00	TOP OF GRAVEL
☆	LIGHT POLE	EB	ELECTRIC JUNCTION BOX
WM	SANITARY SEWER MANHOLE	①	TELEPHONE MANHOLE
WM	WATER METER	①	SIGN
WV	WATER VALVE	①	
WV	WATER METER VAULT	①	TRASH CAN
WV	FIRE HYDRANT	①	GAS MAIN / SERVICE
⊖	CATCH BASIN	W	WATER MAIN / SERVICE
⊖	STORM DRAINAGE MANHOLE	==	STORM DRAINAGE LINES
C.P.	CONCRETE PIPE	S	SANITARY SEWER MAIN
C.L.F.	CHAIN LINK FENCE	FO	FIBER OPTIC
W.F.	WOOD FENCE	OHE	OVERHEAD ELECTRIC
☼	CREPE MYRTLE	X	FENCE
○	OAK	---	FIBER OPTIC DUCT BANK
○	CEDAR	---	ASPHALT
○	SHRUB	---	CONCRETE
T.C.	TERRA COTTA	---	LANDSCAPED AREA WITH SHRUBS
C.I.	CAST IRON	---	
SS	SANITARY SEWER	---	
N.C.O.C.	N.C. ONE CALL	---	
FOM	FIBER OPTIC MARKER	---	

**NOTES:**

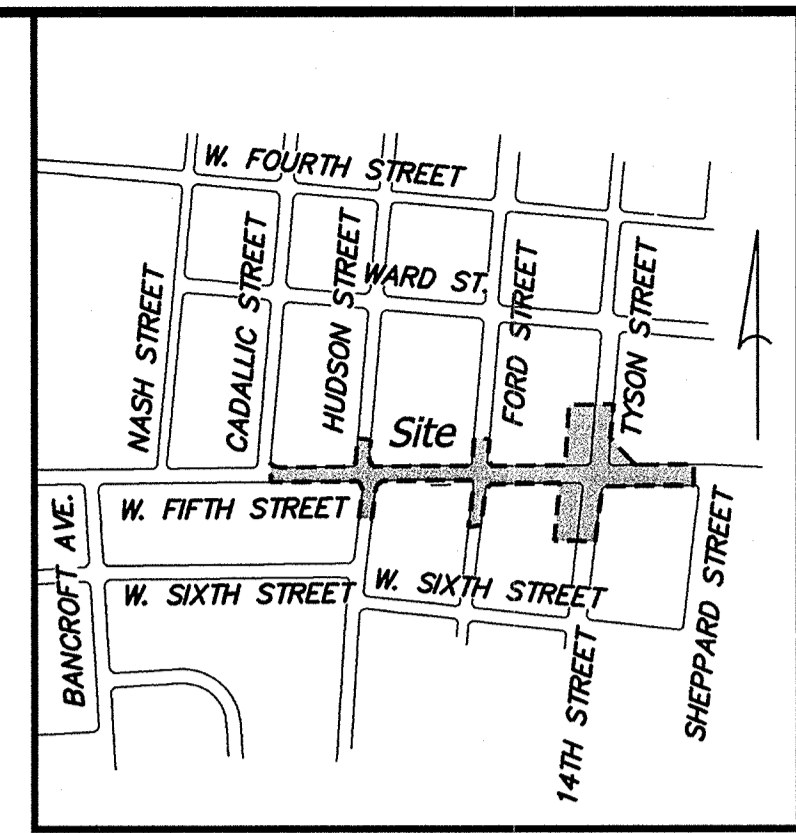
- ALL DISTANCES ARE HORIZONTAL GROUND MEASUREMENTS.
- ALL PROPERTY OWNERSHIP INFORMATION REFERENCED WAS TAKEN FROM PITT COUNTY ONLINE PARCEL INFORMATION SYSTEM. WITH THE EXCEPTION OF THE CITY OF GREENVILLE PROPERTY (PARCEL NO. 28959), THE TITLE DEEDS LISTED HAVE NOT BEEN VERIFIED, REVIEWED OR CHECKED FOR ACTUAL TITLE INFORMATION.
- THIS PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA, IS LOCATED IN A "ZONE X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN), AS DETERMINED FROM FIRM MAP NUMBER 3720467800J PANEL 4678 J, EFFECTIVE JANUARY 2, 2004. NGVD29 + (-)1.15 = NAVD 88
- ELEVATIONS AND CONTOURS SHOWN ARE BASED ON NAVD 88 DATUM. ON-SITE BENCHMARK USED FOR VERTICAL CONTROL: N.C.G.S. LUPTON, ELEV. = 60.95 FT (NAVD 88) (62.10 FEET - NGVD 29) AND N.C.G.S. GREENVILLE 1933, ELEV. = 70.62 FT (NAVD 88) (71.77 FEET - NGVD 29).
- THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE COMMITMENT REPORT. RIVERS AND ASSOCIATES DOES NOT CLAIM THAT ALL MATTERS OF RECORD WHICH MAY OR MAY NOT AFFECT THIS PROPERTY ARE SHOWN HEREON.
- PROPERTY SUBJECT TO ANY AND ALL EASEMENTS, RIGHTS OF WAY, RESTRICTIVE COVENANTS WHICH MAY BE OF RECORD.
- UNDERGROUND UTILITIES PLOTTED IN PART FROM ACTUAL FIELD LOCATION OF MARKINGS PAINTED BY N.C. ONE CALL AND IN PART FROM MAPS ON RECORD AT GUC OR PROVIDED BY CLIENT. SURVEY CAN NOT DETERMINE ACCURACY OF MARKINGS BY OTHERS FOR SUBSURFACE FEATURES. ACTUAL LOCATIONS MAY VARY AND OTHER UTILITIES MAY EXIST. CONTRACTOR SHOULD CONTACT NORTH CAROLINA ONE-CALL CENTER (NC ONE-CALL) AT 1-800-632-4949 TO HAVE UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATING OR TRENCHING.
- THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN ARE COMPRISED OF ALL SUCH UTILITIES IN THE AREA OF SURVEY EITHER IN SERVICE OR ABANDONED. THE SURVEY FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE SURVEYOR DOES HEREBY CERTIFY THAT ALL UTILITIES ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY UNCOVERED AND LOCATED ANY UNDERGROUND UTILITIES.
- RIGHT OF WAY INFORMATION PER THE CITY OF GREENVILLE THOROUGHFARE PLAN AND NCDOT PLAN 9.80220586 INDICATE A 60' RIGHT OF WAY FOR FIFTH STREET, HOWEVER, FOUND PROPERTY CORNERS INDICATE AN APPROXIMATE 54' RIGHT OF WAY NOT CENTERED ON THE EXISTING STREET (26' NORTH OF CENTERLINE AND 28' SOUTH OF CENTERLINE) THRU OUT THE MAJORITY OF THE SURVEY AREA.
- PIPE INVERTS SHOWN HEREON WERE OBTAINED WITHOUT CONFINED SPACE ENTRY BY THE MOST PRACTICAL METHODS AVAILABLE TO THE SURVEYOR.

**SANITARY SEWER DATA**

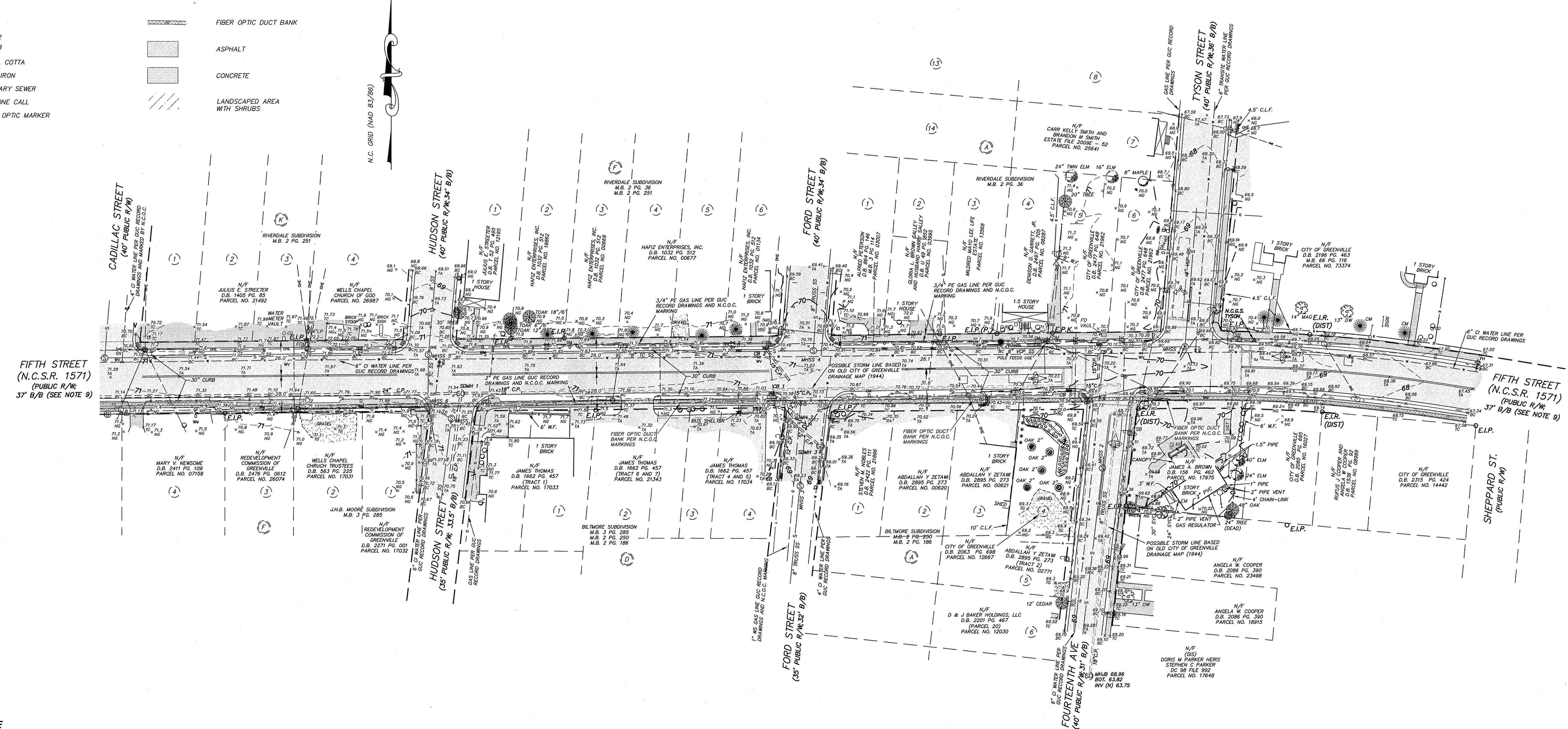
MHSS 1 RM 70.01 INV (W) 64.83 INV (E) PLUGGED INV (N) 64.04	MHSS 2 RM 69.47 INV (W) 65.36 INV (E) 65.36	MHSS 3 RM 69.20 INV (W) 66.38 INV (E) 66.17 INV (S) 66.40	MHSS 4 RM 70.76 INV (W) 66.12 INV (E) 66.17 INV (S) 63.50
--	---	--	--

**STORM DRAINAGE DATA**

SDMH 1 RM 71.58 INV (E) 62.00 INV (W) 62.01 INV (S) 62.99	SDMH 2 RM 69.78 INV (E) 65.98 INV (S) 66.30 INV (W) 66.00	SDMH 3 RM 69.23 INV (S) 66.66 INV (W) 66.64	CB 1 HOOD 71.12 INV 67.00	CB 5 HOOD 70.38 INV 66.09	CB 2 HOOD 71.09 INV 66.38	CB 3 HOOD 69.11 INV 66.64	CB 4 HOOD 70.14 INV 66.18
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**Vicinity Map - NTS**



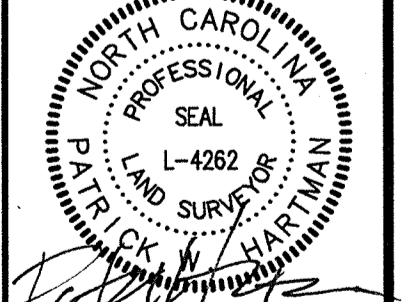
REVISIONS:

REV	DESCRIPTION	DATE	APPD



**TOPOGRAPHIC SURVEY**  
West Fifth Street Gateway Streetscape - Phase 2  
**CITY OF GREENVILLE**  
NORTH CAROLINA  
PITT COUNTY

**Rivers**  
RIVERS AND ASSOCIATES, INC.  
riversandassociates.com  
107 East Second Street  
Greenville, NC 27858  
(252) 752-4135



**FINAL DRAWING**  
NOT RELEASED FOR CONSTRUCTION  
February 23, 2012

SURVEY	RB	LC	PH
DESIGN	-	CHECK	PH

PROJECT No. **2011107**  
DRAWING No. **W-3571**  
SCALE: **1" = 40'**  
SHEET No. **OF 21**

**REFERENCE**

- PARCEL NO. 28959  
M.B. 66 PG. 116
- M.B. 3 PG. 114
- M.B. 2 PG. 186
- M.B. 2 PG. 250
- M.B. 3 PG. 285
- M.B. 63 PG. 18
- M.B. 8 PG. 4
- M.B. 3 PG. 285
- M.B. 2 PG. 251

**HORIZONTAL/VERTICAL SURVEY CONTROL INFORMATION**

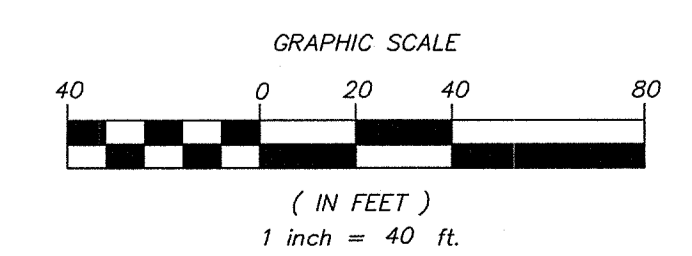
PRIMARY CONTROL AND TIES:  
N.C.G.S. GREENVILLE 1933 (CONTROL/BENCHMARK)  
(NAD 83/86)  
NORTHING: 681,968.692 US FT.  
EASTING: 2,476,332.261 US FT.  
ELEV. 70.62 (NAVD 88)

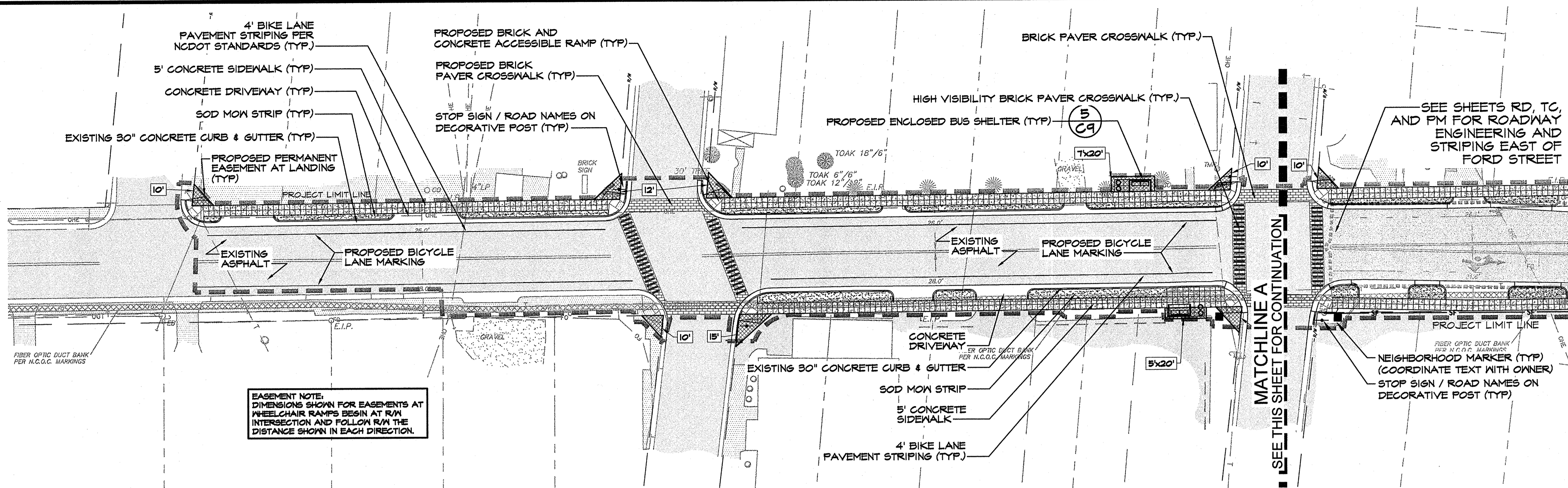
NC.G.S. TYSON (NAD 83/86)  
(PUBLISHED COORDINATES)  
NORTHING: 691,941.3292 US FT.  
EASTING: 2,479,520.3920 US FT.  
ELEVATION = 69.82 (NAVD 88)

NC.G.S. GREENVILLE 1933 TO NC.G.S. TYSON  
S 88°40'51" E 1188.57' (TIE-ONLY GROUND)  
1188.45' (PUBLISHED GRID DISTANCE)  
1188.45' (CALCULATED GRID: C.F. 0.99989459)

NORTH CAROLINA COUNTY OF PITT  
I, PATRICK W. HARTMAN, P.L.S., CERTIFY THAT THIS MAP WAS DRAWN UNDER MY DIRECTION FROM AN ACTUAL SURVEY MADE UNDER MY DIRECTION, BY RB ON JANUARY 23RD THRU FEBRUARY 23RD, 2012, OF THE AREA SHOWN. BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES FROM INFORMATION FOUND IN THE REFERENCED BOOK(S) AND PAGE(S). THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000+, AND THE MAXIMUM VERTICAL ERROR IS NOT GREATER THAN ONE HALF THE CONTOUR INTERVAL; THAT EXISTING VERTICAL CONTROL WAS EXISTING AT THE SITE; WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 23RD DAY OF FEBRUARY, A.D. 2012.

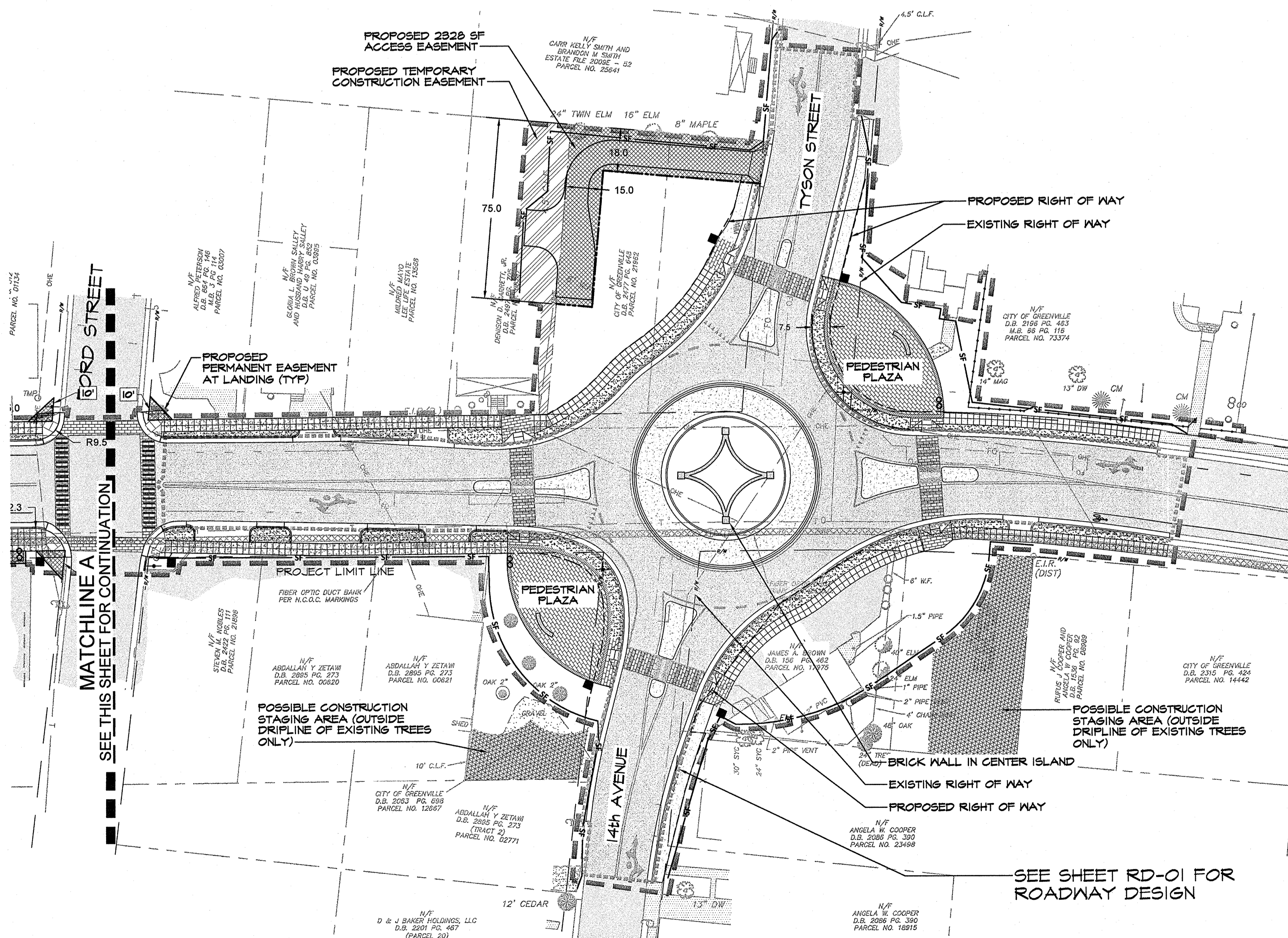
*Patrick W. Hartman*  
PROFESSIONAL LAND SURVEYOR REGISTRATION NO. L-4262





**SITE PLAN: WEST**

WEST 5TH STREET FROM  
CADILLAC STREET TO FORD STREET



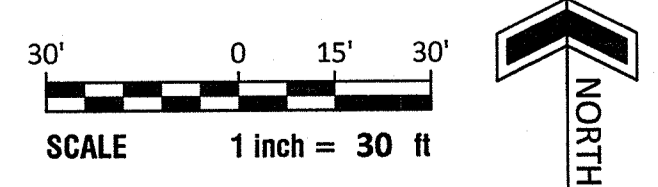
**SITE PLAN: EAST**

WEST 5TH STREET ROUNDABOUT

**NOTE:**  
SEE LANDSCAPE AND CIVIL  
DRAWINGS FOR SITE FURNISHINGS  
AND AMENITIES SUCH AS BENCHES,  
TRASH RECEPTACLES, SHELTERS,  
FENCING, VEGETATION, ART WALL  
AND GATEWAY, GATEWAY COLUMNS,  
AND NEIGHBORHOOD MARKERS

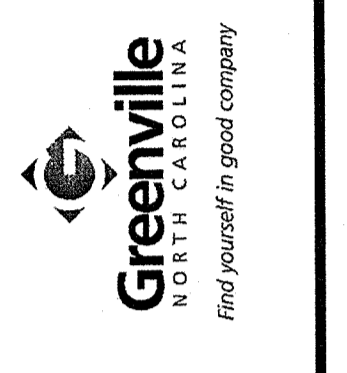
**NOTE:**  
Contact N.C. One-Call (1-800-632-4949) to  
have all underground utilities located prior to  
excavating or trenching.

KEY	
EXISTING	PROPOSED
TREES	SOD
VEGETATION	ENCLOSED BUS SHELTER
SIDEWALK	BENCH
RIGHT OF WAY	TRASH/ RECYCLING RECEPTACLE
	DECORATIVE FENCE
	SILT FENCE
	SIDEWALK
	BRICK PAVER
	PERMANENT ACCESS EASEMENT
	TEMPORARY CONSTRUCTION EASEMENT



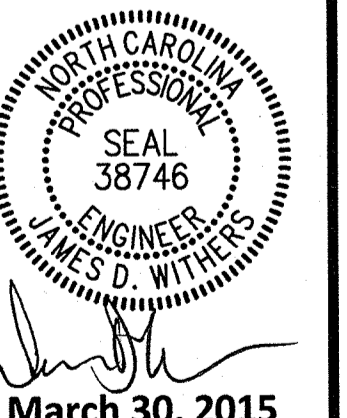
REVISIONS:

NO.	DATE	DESCRIPTION



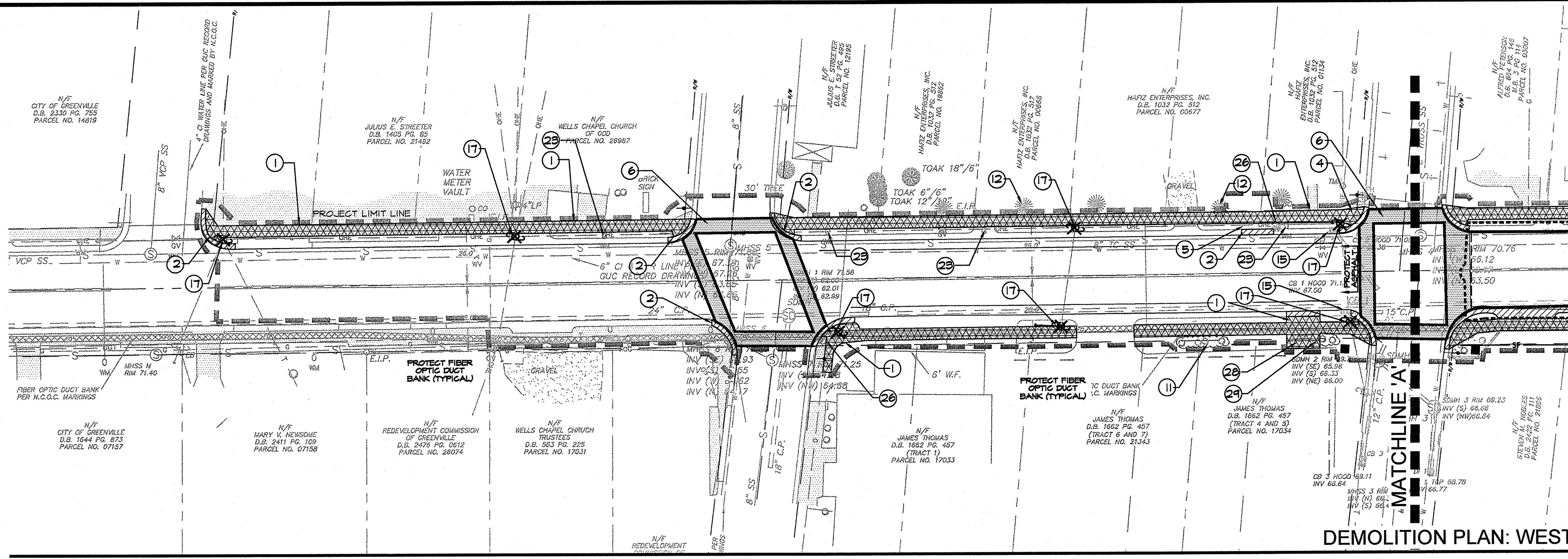
**OVERALL PLAN**  
West Fifth Street Gateway Streetscape - Phase 2  
**CITY OF GREENVILLE**  
PITT COUNTY  
NORTH CAROLINA

**Rivers**  
INC. License: F-1834  
riversandassociates.com  
107 East Second Street  
Greenville, NC 27638  
(252) 782-4195  
Landscape Architects



SURVEY - DRAFT EW/SR  
DESIGN - CHECK GL/DW  
PROJECT No. 2011107  
DRAWING No. W-3571  
SCALE: 1" = 30'

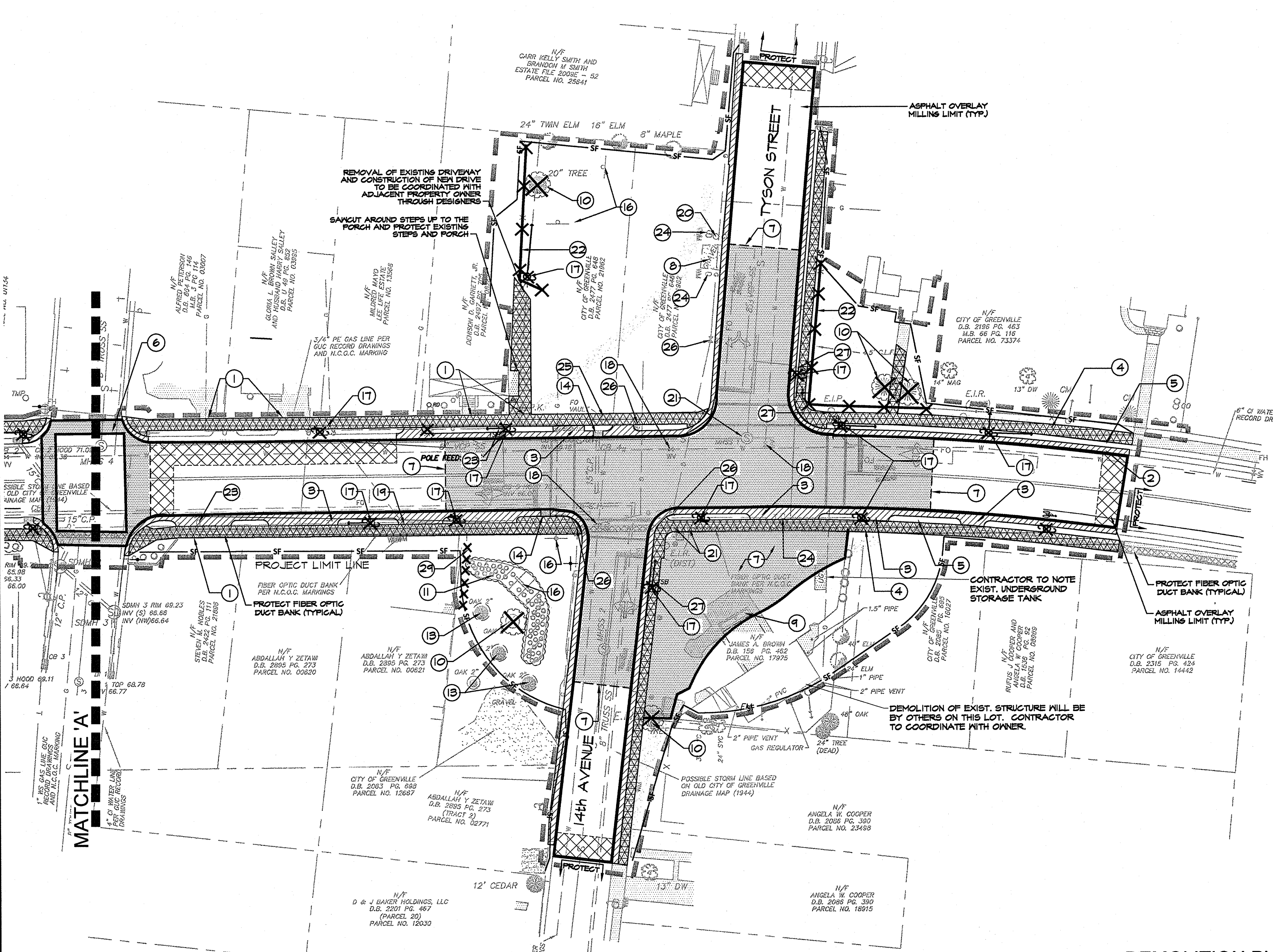
SHEET No. OF 22  
**C-1**



DEMOLITION PLAN: WEST  
WEST 5TH STREET FROM CADILLAC STREET TO FORD STREET

**DEMOLITION KEY NOTES**

- ① CLEANLY SAWCUT EXISTING CONCRETE. PROTECT EXISTING
- ② CLEANLY SAWCUT AND REMOVE EXISTING CURB AND GUTTER
- ③ REMOVE EXISTING CURB, GUTTER AND DRIVE APRONS
- ④ REMOVE EXISTING CONCRETE SIDEWALK
- ⑤ REMOVE EXISTING VEGETATED STRIP
- ⑥ REMOVE EXISTING ASPHALT TO ACCOMMODATE NEW PAVERS IN CROSSWALK (SEE DETAIL 8/C-7)
- ⑦ CLEANLY SAWCUT AND REMOVE EXISTING ASPHALT TO MILLING LIMIT
- ⑧ REMOVE EXISTING GRAVEL
- ⑨ REMOVE EXISTING WALL
- ⑩ REMOVE EXISTING TREE
- ⑪ REMOVE EXISTING VEGETATION
- ⑫ PRUNE EXISTING TREES OVERHANGING R/W IN CONSULTATION WITH CITY ARBORIST
- ⑬ EXISTING TREE TO BE PROTECTED (SEE DETAIL 4/C-6)
- ⑭ REMOVE EXISTING CATCH BASIN AND PIPE AS REQUIRED
- ⑮ PROTECT EXISTING CATCH BASIN IN PLACE
- ⑯ EXISTING SIGN TO BE REMOVED AND RELOCATED.
- ⑰ COORDINATE REMOVAL /REPLACEMENT OF POWER POLE, LIGHTING, AND GUY WIRES WITH GREENVILLE UTILITIES COMMISSION
- ⑱ ADJUST WATER VALVE
- ⑲ RELOCATE WATER VALVE
- ⑳ ADJUST CLEANOUT
- ㉑ ADJUST MANHOLE COVER
- ㉒ REMOVE EXISTING FENCE
- ㉓ METER BOX TO BE ADJUSTED TO MILLING LIMIT
- ㉔ RELOCATE WATER METER
- ㉕ RELOCATE FIBER OPTIC VAULT
- ㉖ ADJUST GAS VALVE
- ㉗ TRAFFIC SIGNAL BOX AND SIGNAL HEADS TO BE REMOVED, PROTECTED, AND RETURNED TO OWNER
- ㉘ REMOVE EXISTING BUS SHELTER
- ㉙ REMOVE EXISTING SITE FURNISHINGS



DEMOLITION PLAN: EAST  
WEST 5TH STREET ROUNDABOUT

KEY	
EXISTING TO REMAIN	PROPOSED DEMOLITION
TREE WITH TREE PROTECTION	ASPHALT REMOVAL
VEGETATION	SIDEWALK REMOVAL
CONCRETE	ASPHALT MILLING
RIGHT OF WAY	DRIVEWAY & CURB REMOVAL
SILT FENCE	POLE REMOVAL
	FENCE REMOVAL
	TREE REMOVAL
	VEGETATION REMOVAL

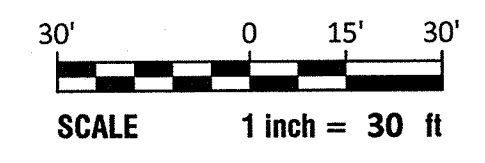
**NOTE:**  
Contact N.C. One-Call (1-800-632-4949) to have all underground utilities located prior to excavating or trenching.

**SITE PREPARATION & REMOVALS NOTES**

- Contractor shall remove all trees and shrubs as indicated for removal on plans.
- It is the Contractor's responsibility to locate and verify location and elevations of all existing utility lines prior to demolition and removal operations. It is the Contractor's responsibility to protect all utilities to remain during construction.
- Contractor shall take whatever precautions necessary during construction to ensure that no damage is done to the existing trees to remain. This shall include but not be limited to the use of construction equipment of sizes and weights which will not injure the root systems.
- Contractor shall advise the owner of any materials resulting from excavation, demolition, and other site preparation and removal tasks, which may be salvageable and reusable by the Contractor on the premises, or by the owner elsewhere.
- Contractor shall coordinate his work with all state and/or municipal agencies with jurisdiction.
- Contractor shall visit the site and familiarize himself with existing conditions prior to submitting his bid. Any discrepancies between actual conditions at the site and those shown on the drawings shall be brought to the attention of the owner / engineer / landscape architect immediately.
- All removals shall be as shown on the drawings and/or as directed by the engineer / landscape architect and to the satisfaction of the owner.
- The Contractor shall exercise care during removal operations to protect existing facilities, including pavements, utilities, structures, trees, etc. Any facilities that are to remain that are damaged shall be the responsibility of the Contractor and shall be restored at the Contractor's expense to the satisfaction of the owner.

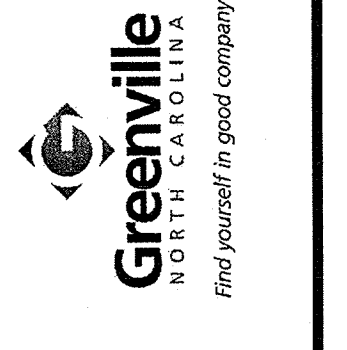
**EXISTING VEGETATION PRESERVATION**

- Existing vegetation is to be preserved during construction indicated in the following manner:
  - The location of all such plant material.
  - Field markings for identification.
- All plant materials to be preserved shall be protected from damage during construction by fencing or similar barrier. Tree protection devices shall be installed before any excavation or grading is initiated and shall be maintained for the duration of the construction period. The location and extent of all protection devices shall be indicated on the demolition plan.
- As a minimum precaution, the contractor shall install fencing supported by steel posts adjacent to the areas where plant materials are to be protected.
- Any damage incurred to existing trees shall be immediately repaired. Roots exposed and/or damaged during grading operations shall be immediately trimmed and treated and covered with topsoil.
- If trees designated for preservation are damaged, the Contractor shall replace them with plant material similar in size and type as the original specimen.

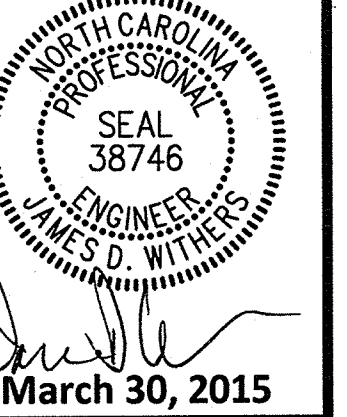
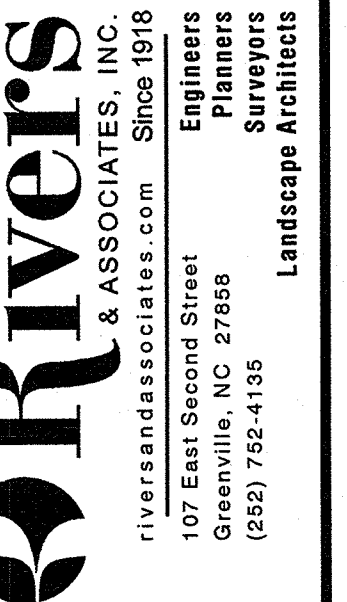


REVISIONS:

NO.	DATE	DESCRIPTION



DEMOLITION PLAN  
West Fifth Street Gateway Streetscape - Phase 2  
**CITY OF GREENVILLE**  
PITT COUNTY  
NORTH CAROLINA



SURVEY	- DRAFT	EW/SR
DESIGN	- CHECK	GL/DW
PROJECT No.	2011107	
DRAWING No.	W-3571	
SCALE:	1" = 30'	
SHEET No.	OF	22

**C-2**



LAYOUT AND MATERIALS PLAN  
West Fifth Street Gateway Streetscape - Phase 2  
**CITY OF GREENVILLE**  
PITT COUNTY NORTH CAROLINA

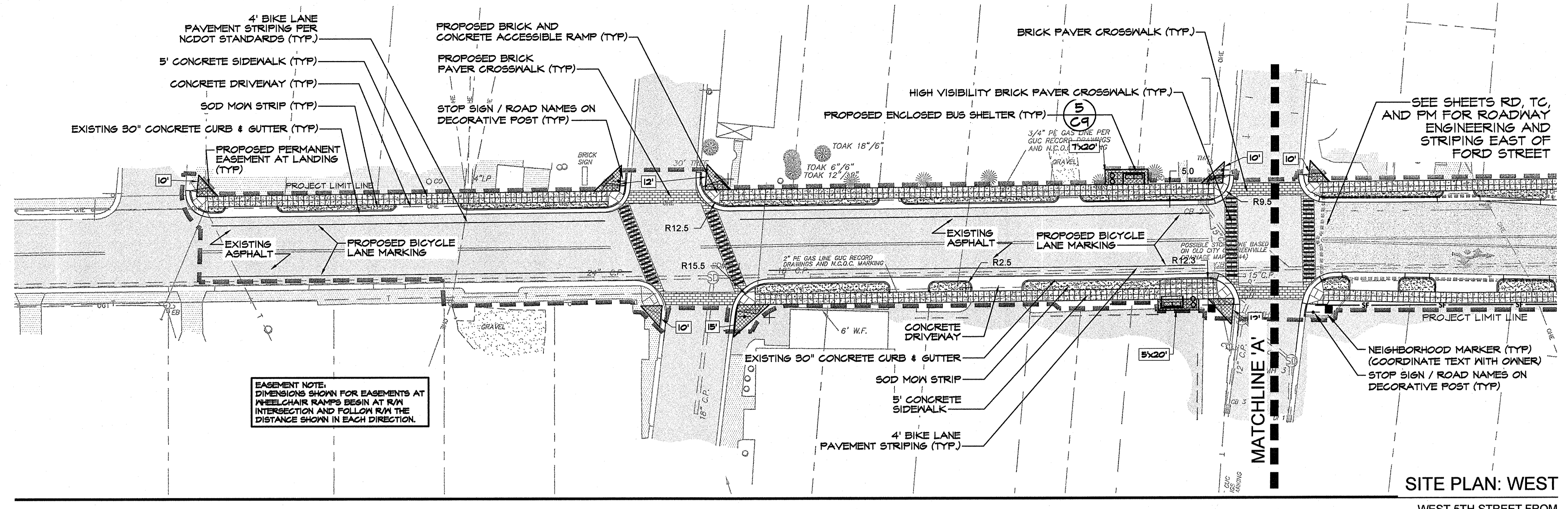
**Rivers**  
PLANNERS & ASSOCIATES, INC.  
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107 East Second Street  
Greenville, NC 27838  
(252) 752-4135  
Landscape Architects



March 30, 2015  
SURVEY - DRAFT EW/SR  
DESIGN GL/SR CHECK GSL  
PROJECT No. 2011107  
DRAWING No. W-3571  
SCALE: AS SHOWN  
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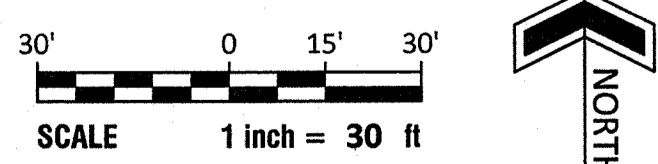
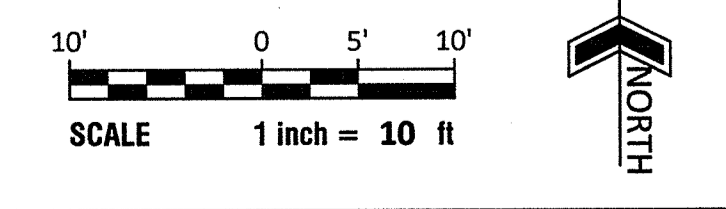
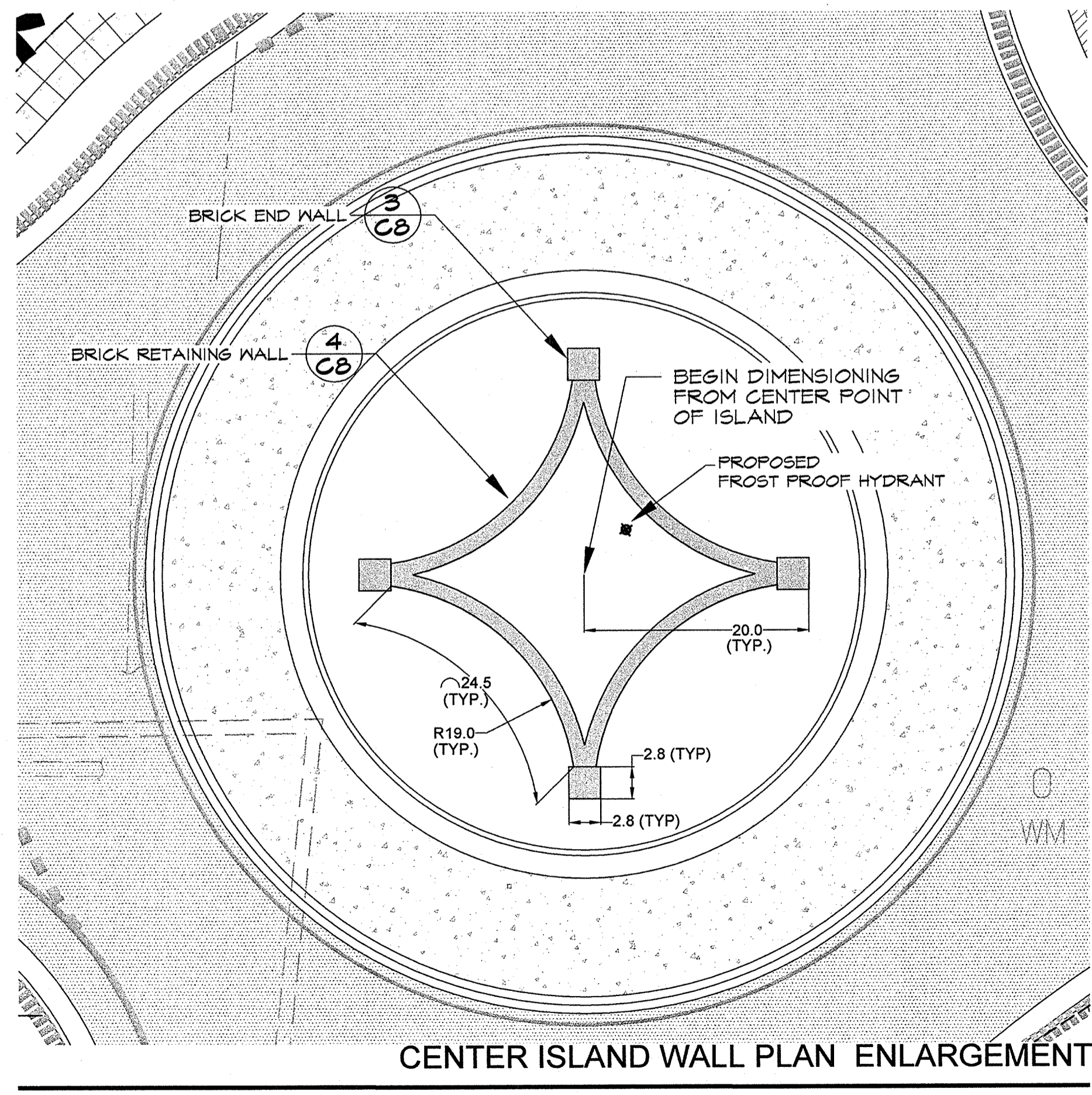
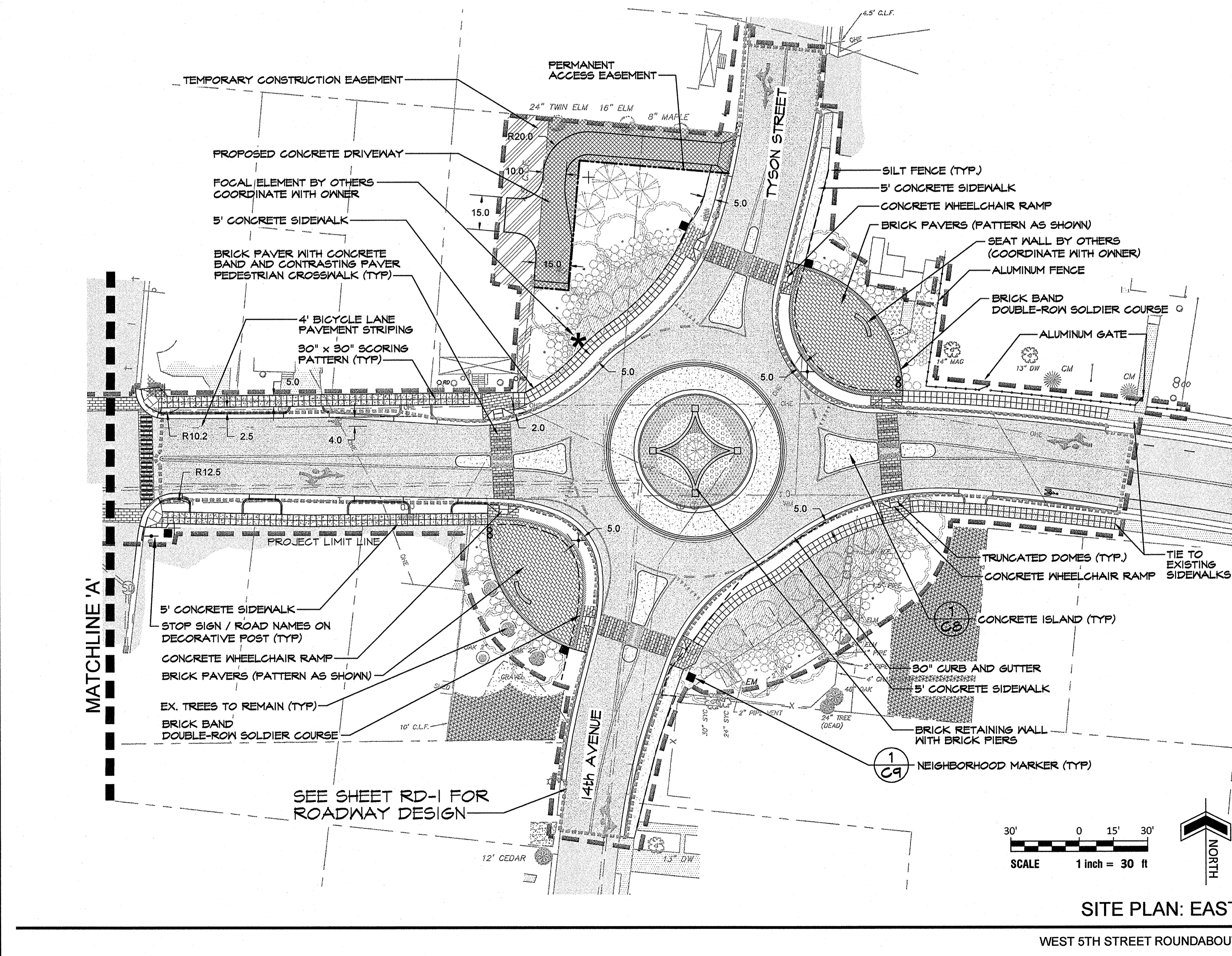
EXISTING	PROPOSED
TREES	LARGE TREE
SIDEWALK	SMALL TREE
R/W	EVERGREEN TREE
	MEDIUM SHRUB
	SMALL SHRUB
	SOD
	ENCLOSED BUS SHELTER
	BENCH
	TRASH/ RECYCLING RECEPTACLE
	ALUMINUM FENCE
	SILT FENCE
	SIDEWALK
	BRICK PAVER
	PERMANENT ACCESS EASEMENT
	TEMPORARY CONSTRUCTION EASEMENT



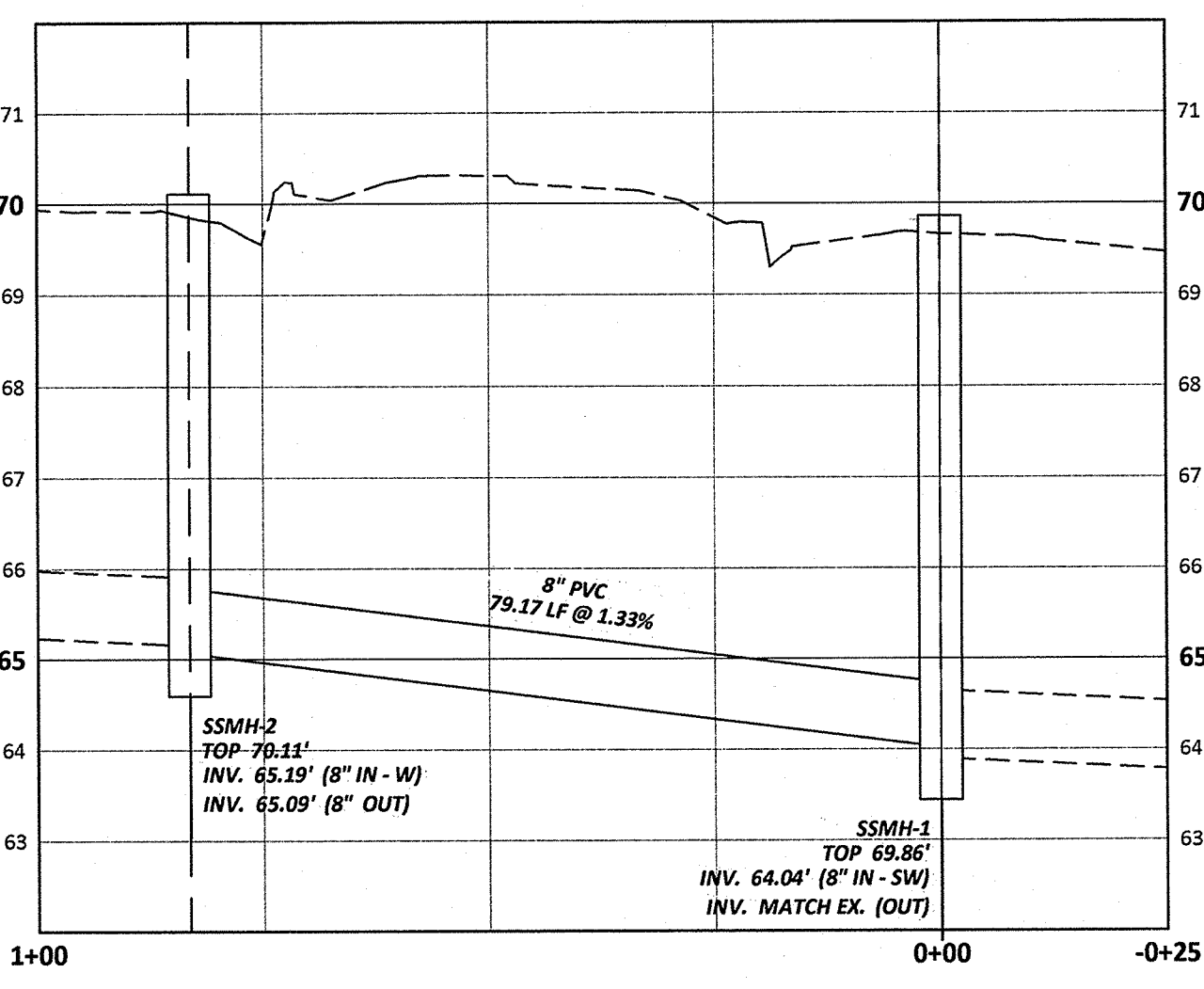
**NOTES:**

- HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATING OR TRENCHING
- FOR LAYOUT AND DIMENSIONING OF ALL ROADWAY ELEMENTS INSIDE BACK OF CURB REFER TO SHEET RD-1. FOR WALLS NOT DIMENSIONED ON THIS PLAN REFER TO DETAIL SHEETS xx & xx.

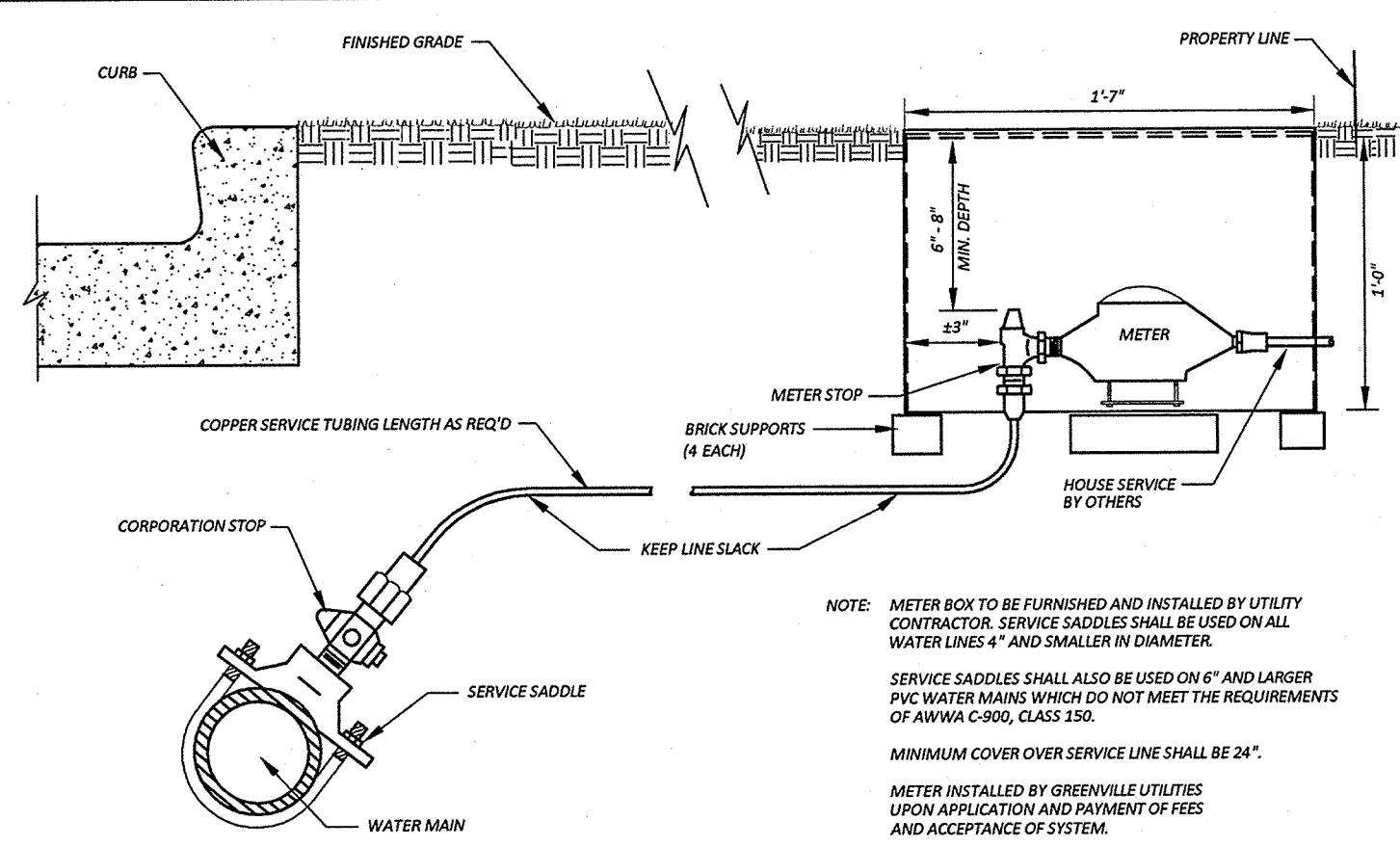
**North Carolina 811**  
www.nc811.org



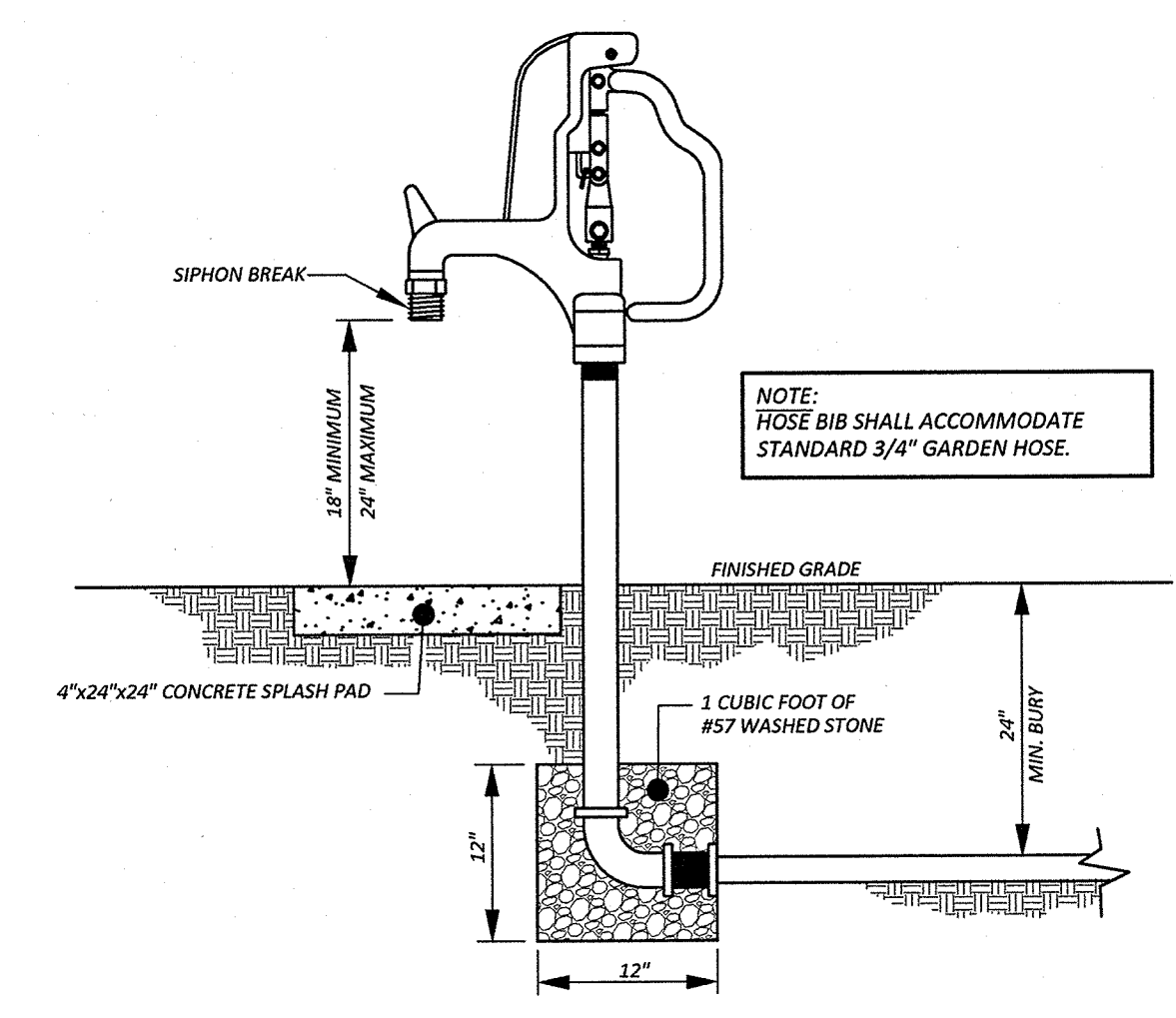
U.S. Department of Transportation - Street Design Solutions Manual - 2009 - 3571-2-0000 - 30 Mar 15 @ 3:48:10 PM



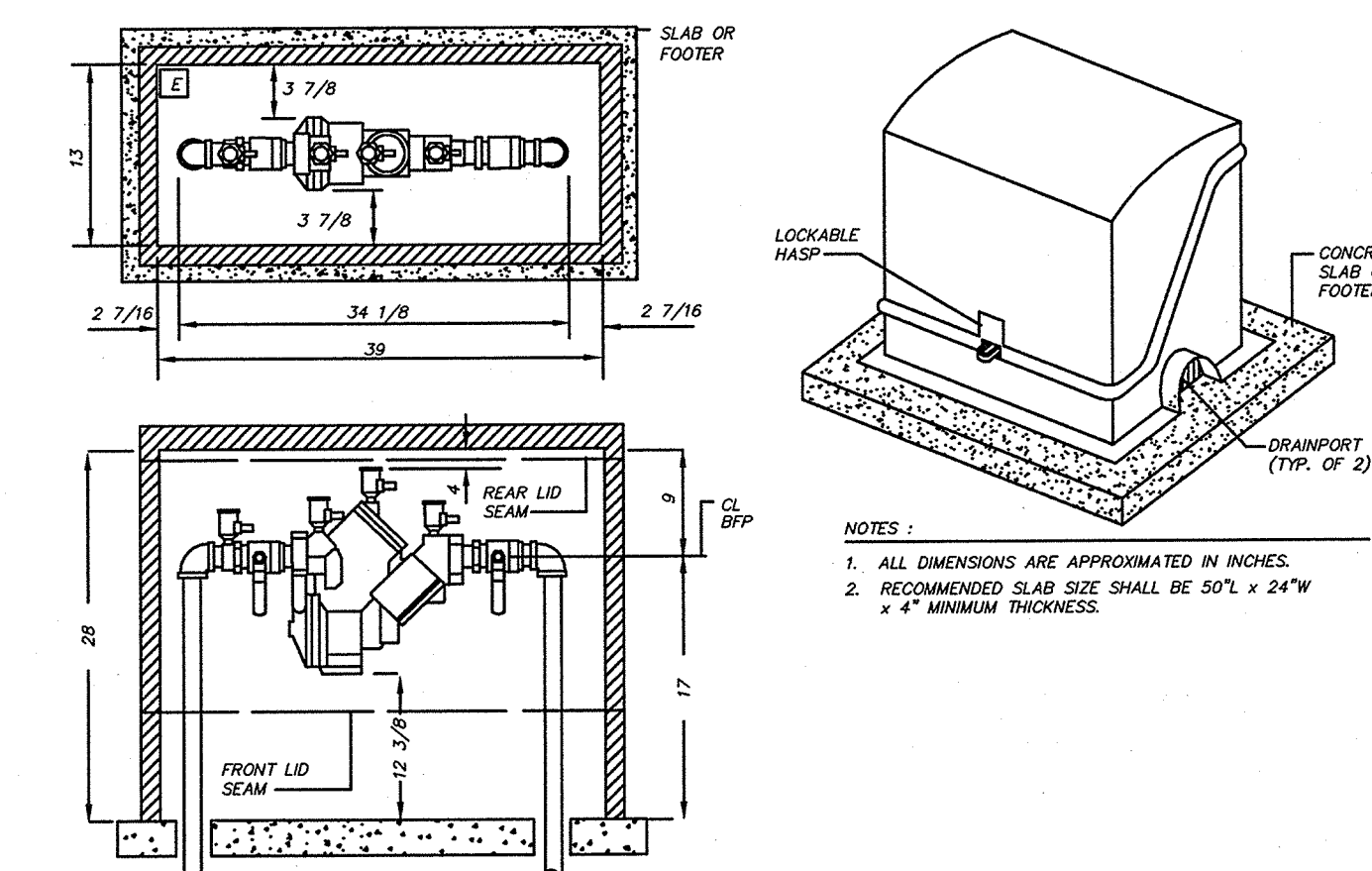
**SANITARY SEWER PROFILE**  
SCALE: HORIZ. - 1" = 20'; VERT. - 1" = 2'



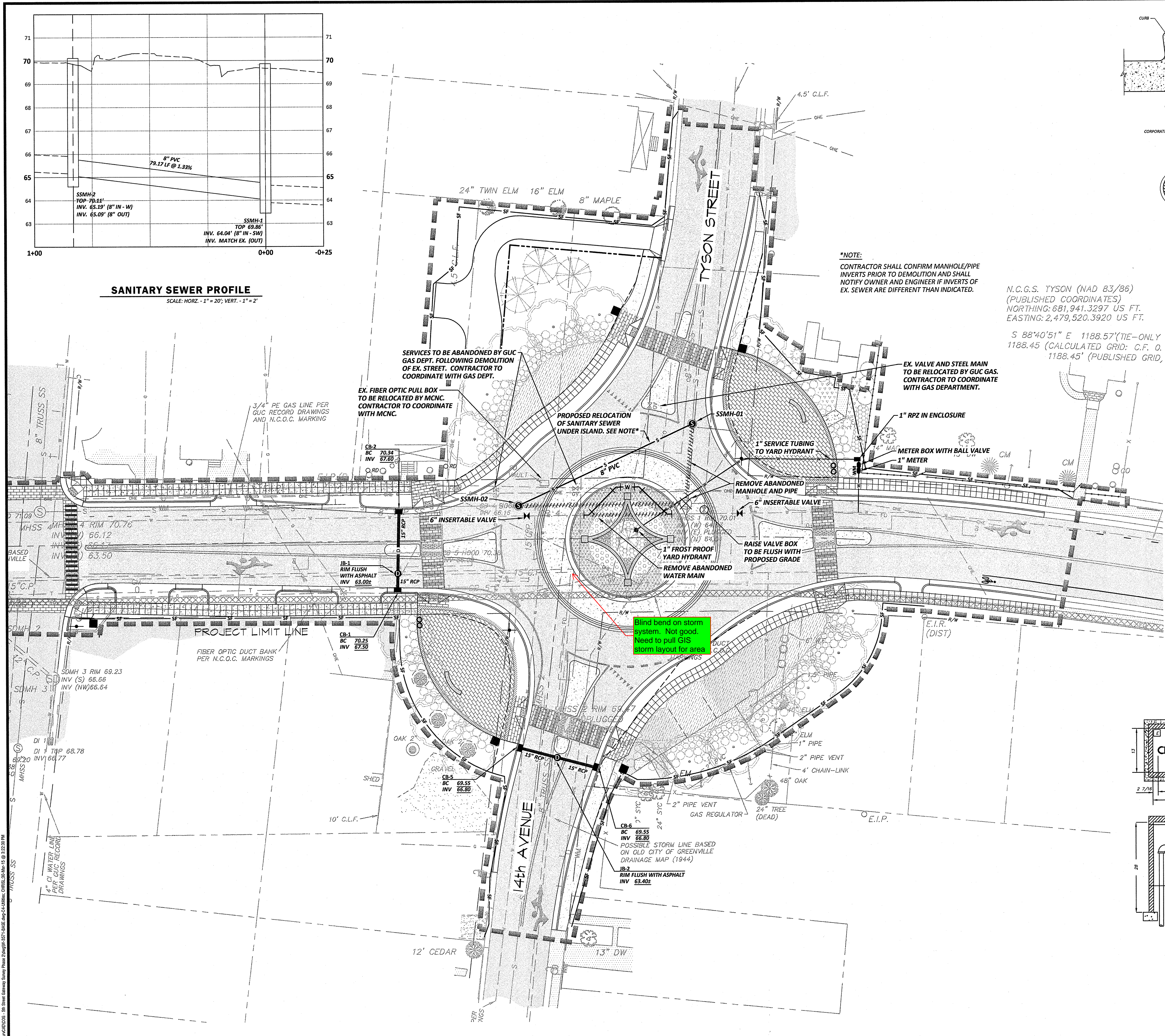
**1" WATER SERVICE FOR AREAS WITH CURB & GUTTER**  
(W-1) NTS



**STANDARD YARD HYDRANT (FROST PROOF)** NTS



**RPZ AND ENCLOSURE** NTS

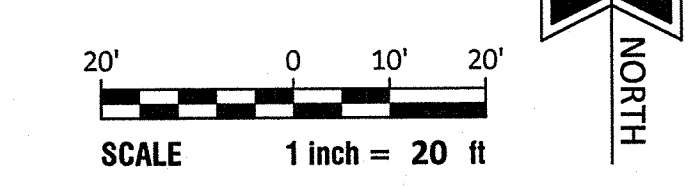


\*NOTE:  
CONTRACTOR SHALL CONFIRM MANHOLE/PIPE INVERTS PRIOR TO DEMOLITION AND SHALL NOTIFY OWNER AND ENGINEER IF INVERTS OF EX. SEWER ARE DIFFERENT THAN INDICATED.

N.C.G.S. TYSON (NAD 83/86)  
(PUBLISHED COORDINATES)  
NORTHING: 681,941.3297 US FT.  
EASTING: 2,479,520.3920 US FT.

S 88°40'51" E 1188.57'(TIE-ONLY)  
1188.45 (CALCULATED GRID: C.F. 0,  
1188.45' (PUBLISHED GRID,

Blind bend on storm system. Not good. Need to pull GIS storm layout for area



REVISIONS:

REV.	DESCRIPTION	DATE	APP.

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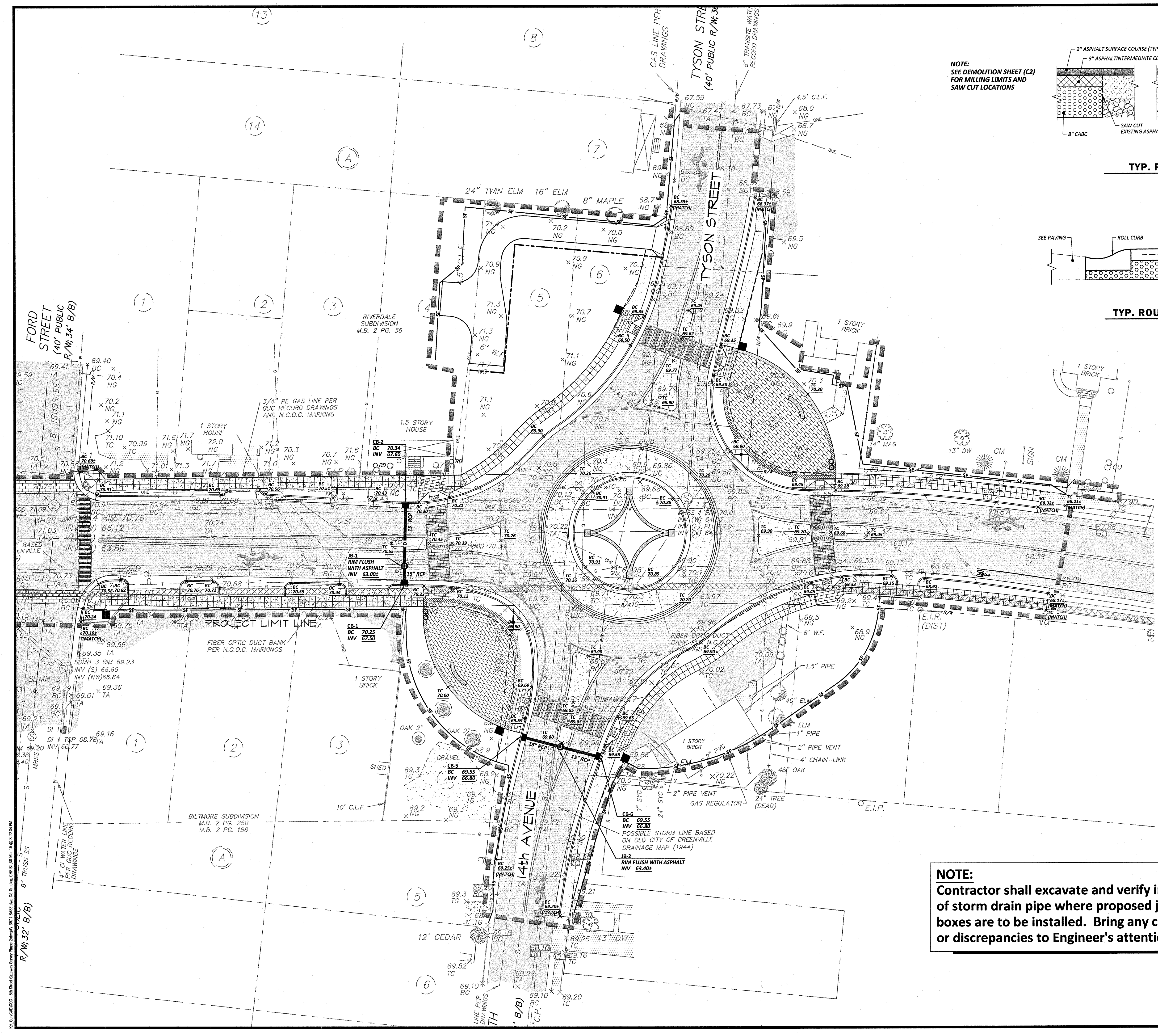
**UTILITY PLAN**  
West Fifth Street Gateway Streetscape - Phase 2  
**CITY OF GREENVILLE**  
PITT COUNTY NORTH CAROLINA

IC License F-0334  
**Rivers**  
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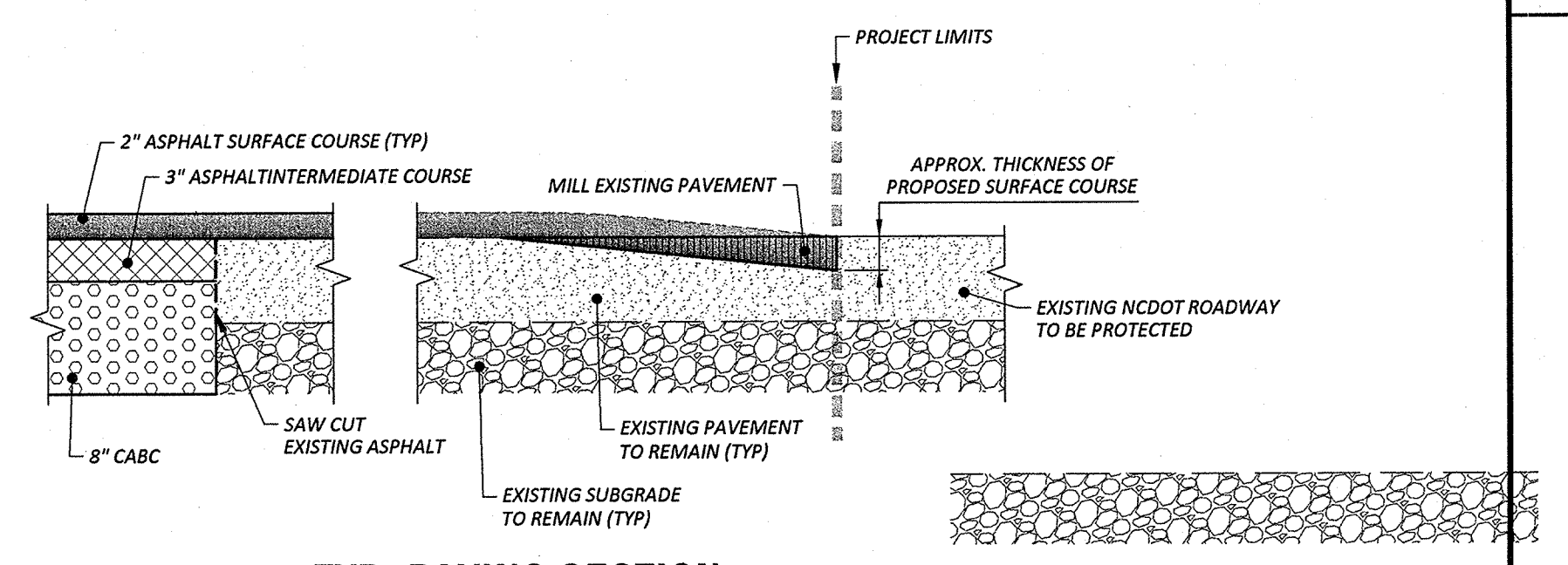
Professional Engineer Seal  
SEAL 38746  
ENGINEER  
JAMES D. WITTEK  
March 30, 2015

SURVEY - DRAFT EW/LC  
DESIGN TL/DW CHECK JDW  
PROJECT No. 2011107  
DRAWING No. W-3571  
SCALE: 1" = 20'  
SHEET No. OF 22

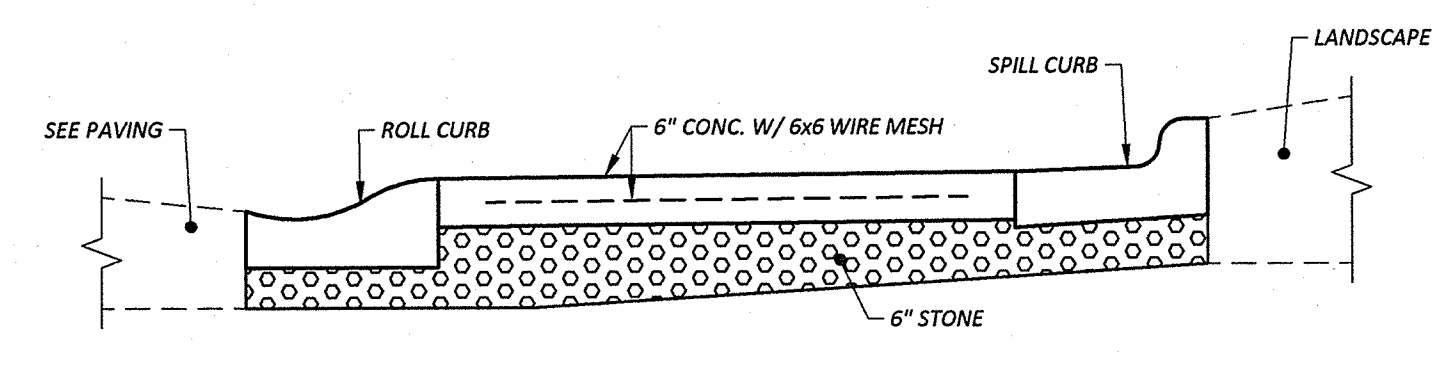
**C-4**



**NOTE:**  
SEE DEMOLITION SHEET (C2)  
FOR MILLING LIMITS AND  
SAW CUT LOCATIONS



**TYP. PAVING SECTION**  
NTS

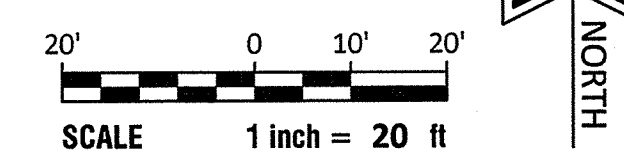


**TYP. ROUNDABOUT SECTION**  
NTS

**NOTE:**  
Contractor shall excavate and verify inverts  
of storm drain pipe where proposed junction  
boxes are to be installed. Bring any conflicts  
or discrepancies to Engineer's attention.

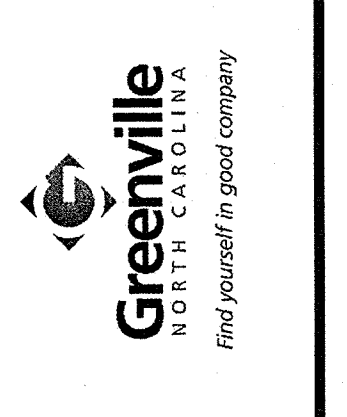
**LEGEND**

B/B	- BACK-TO-BACK
R/W	- RIGHT-OF-WAY
HP	- HIGH POINT
BC	- BACK-OF-CURB
TW	- TOP OF WALK
P.C.	- POINT OF CURVATURE
P.T.	- POINT OF TANGENCY



**REVISIONS:**

REV.	DATE	APPD.	DESCRIPTION



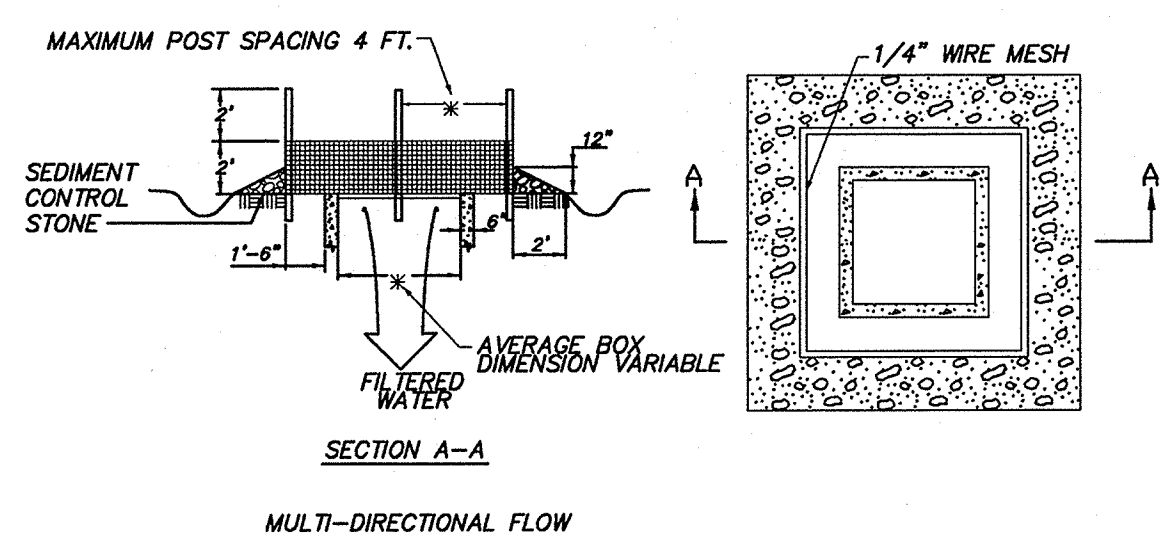
**GRADING AND PAVING PLAN**  
West Fifth Street Gateway Streetscape - Phase 2  
**CITY OF GREENVILLE**  
PITT COUNTY NORTH CAROLINA

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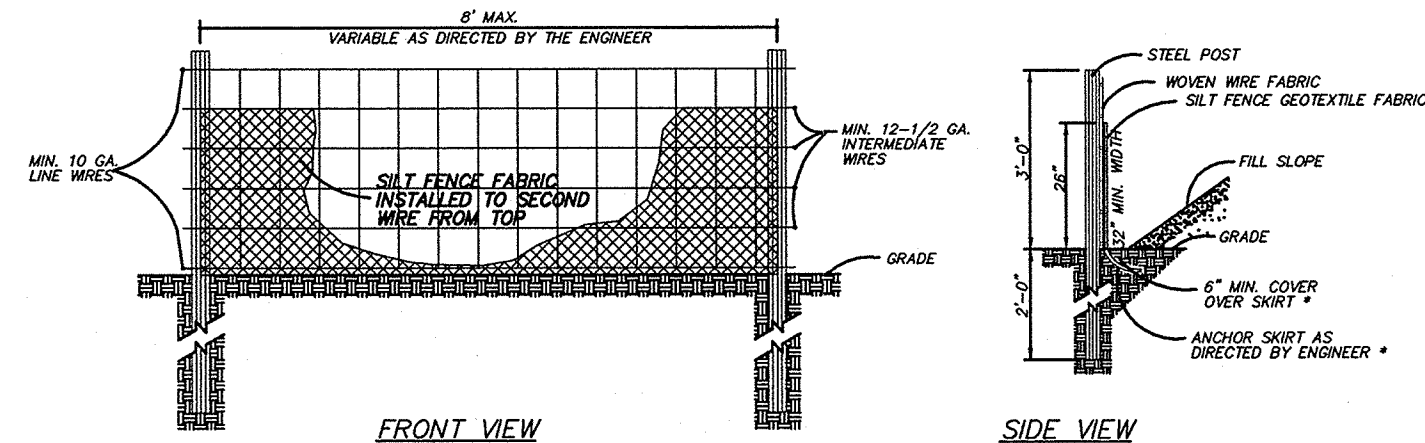
March 30, 2015

SURVEY - DRAFT EW/LC  
DESIGN TL/DW/CHECK JDW  
PROJECT No. 2011107  
DRAWING No. W-3571  
SCALE: 1" = 20'  
SHEET No. OF 22  
**C-5**



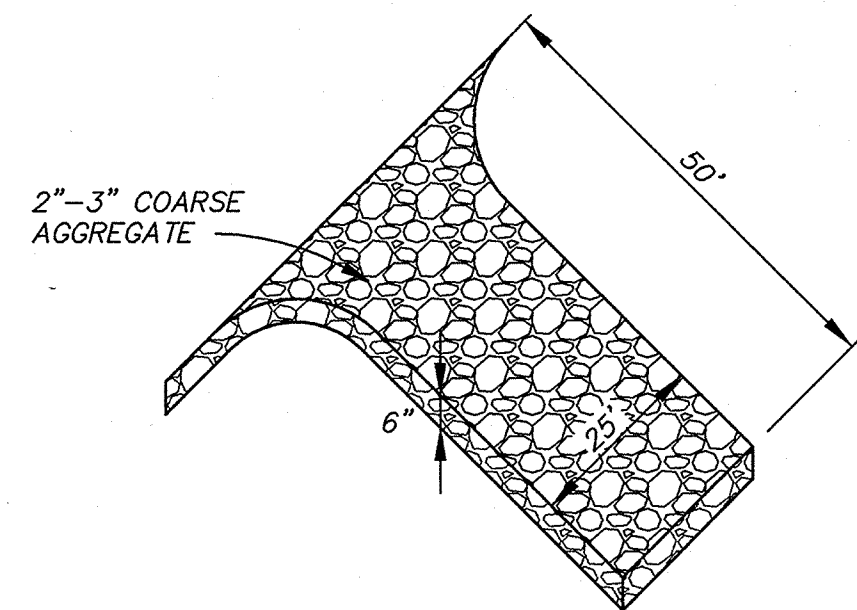
**NOTE:**  
 SEDIMENT CONTROL STONE SHALL BE NO. 5 OR NO. 57  
 WIRE MESH SHALL BE HARDWARE CLOTH 23 GAUGE MIN. AND SHALL HAVE 1/4 INCH MESH OPENINGS.  
 TOP OF WIRE MESH SHALL BE A MINIMUM OF ONE FOOT BELOW THE SHOULDER OR ANY DIVERSION POINT.  
 STEEL POST SHALL BE 5 FT. IN HEIGHT, BE INSTALLED 1.5 FT. DEEP MINIMUM, AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.  
 WOOD POST SHALL BE 6 FT. IN HEIGHT, BE INSTALLED TO 1.5 FT. DEEP MINIMUM, AND BE 3 INCHES IN DIAMETER. POST SPACING SHALL BE A MAXIMUM OF 4 FT.

**1** ROCK INLET SEDIMENT TRAP  
 SCALE: N.T.S.

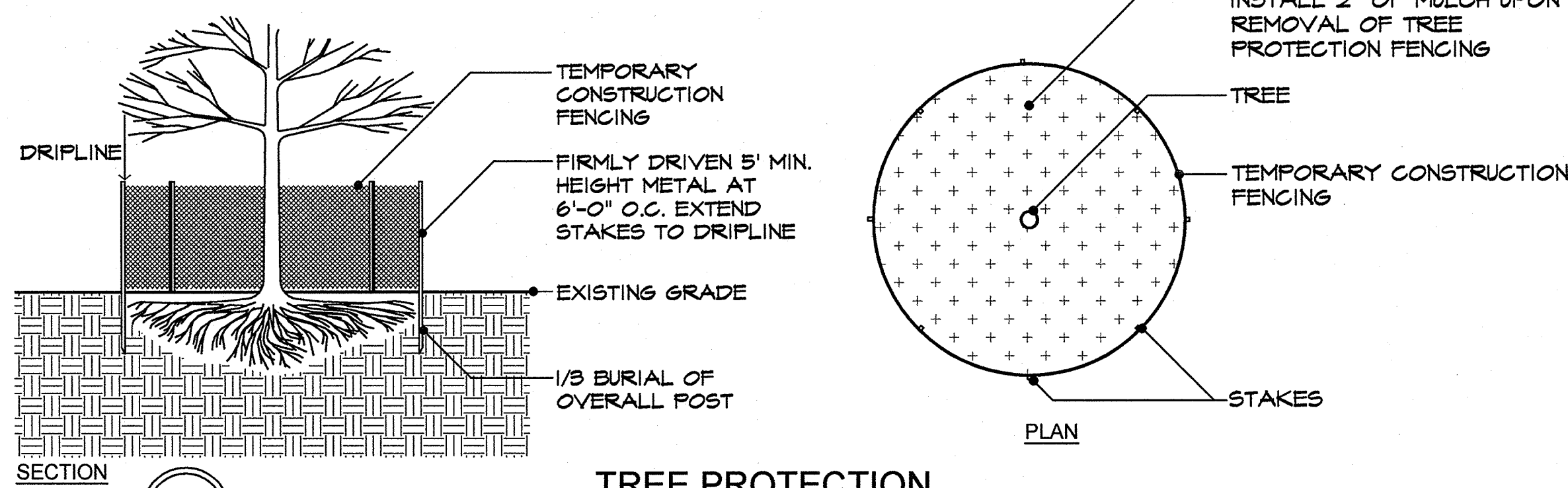


**NOTE:**  
 -USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW  
 -END OF SILT FENCE NEEDS TO BE TURNED UPHILL  
 -FOR REPAIR OF SILT FENCE FAILURES, USE NO. 57 WASHED STONE FOR ANCHOR WHEN SILT FENCE IS PROTECTING CATCH BASIN.

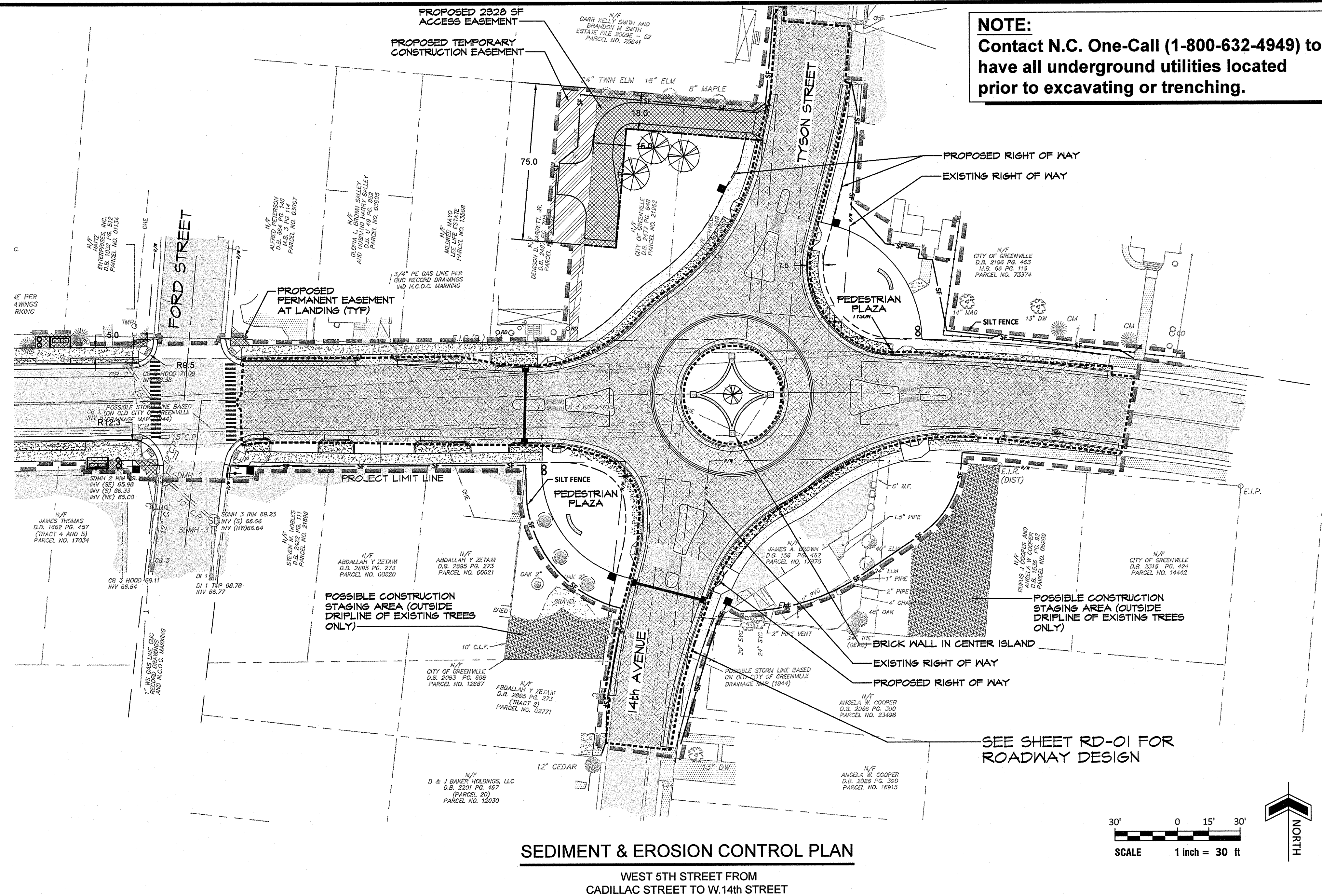
**2** TEMPORARY SILT FENCE  
 SCALE: N.T.S.



**3** TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  
 SCALE: N.T.S.



**4** TREE PROTECTION  
 SCALE: N.T.S.



**SEDIMENT & EROSION CONTROL PLAN**  
 WEST 5TH STREET FROM CADILLAC STREET TO W.14th STREET

**NOTE:**  
 Contact N.C. One-Call (1-800-632-4949) to have all underground utilities located prior to excavating or trenching.

**EROSION AND SEDIMENT CONTROL STRUCTURAL MEASURES**

- Stabilized construction entrance. The contractor shall construct a temporary stone apron at the designated entranceways to the site to limit mud tracking onto area roadways. It shall consist of ASTM C-33, Size #20-3 crushed stone surface 25' wide x 50' long x 6" deep. Remove and replace curb and gutter as necessary.
  - Silt fence: A silt fence shall be constructed at locations shown on the engineering plan. Installation shall be as follows:
    - Install fence post 8' O.C. on a slight angle toward the anticipated runoff source.
    - Dig a 6" trench along the uphill side of the fence line.
    - Lay our silt fence fabric along post line.
    - Wrap fabric around around the first post and tie securely with cord.
    - Take fabric to the next post and make a 1-1/2" slit in the hem directly above the cord. Pull the cord out of the slit. Pull taut from the preceding post and wrap twice around the post.
    - Repeat above step until last post is reached, wrap fabric around the post and secure with cord.
    - Drain the lower 6" of fabric in the trench, curled up-hill.
    - Backfill trench.
  - Low point inlet sediment filter. The contractor shall construct low point inlet sediment filters at those locations specified on drawings to prevent the transport of sediment into the stormwater management system. The inlet sediment filter shall consist of:
    - Hardware cloth of comparable wire mesh with 1/2" openings shall be placed over the curb inlet opening so that at least 12" of wire extends across the inlet cover and at least 12" of wire extends across the concrete gutter from the inlet opening.
    - Stone shall be piled against the wire so as to anchor it against the gutter and inlet cover and to cover the inlet opening completely. Two to three inches of coarse aggregate shall be used.
    - If the stone filter becomes clogged with sediment so that it no longer adequately performs its function, the stone must be pulled away from the inlet, cleaned and replaced.
- Maintenance:**
- Maintenance shall occur on a regular basis consistent with favorable plant growth, soil and climatic conditions.
  - When it becomes necessary, the owner shall inform the contractor of unsatisfactory conditions of erosion and sediment devices. At such time the contractor shall improve the conditions of said devices to meet with the approval of said owner.
  - Should unforeseen erosive conditions develop during construction the contractor shall take action to remedy such conditions and to prevent damage to adjacent properties as a result of increased runoff and/or sediment displacement.
  - Seeded areas that have been washed away shall be filled and graded as necessary and then re-seeded. This procedure shall be repeated after each storm or until no more signs of erosion are evident.
  - Control measures shall apply to subsequent owners if title is conveyed.
  - Temporary stockpile area to be restored to proposed grade and reseeded.

**NOTE:**  
 See sheet C-8 for additional Erosion Control Notes

REVISIONS:	DATE	DESCRIPTION

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**SEDIMENT & EROSION CONTROL PLAN**  
 West Fifth Street Gateway Streetscape - Phase 2  
**CITY OF GREENVILLE**  
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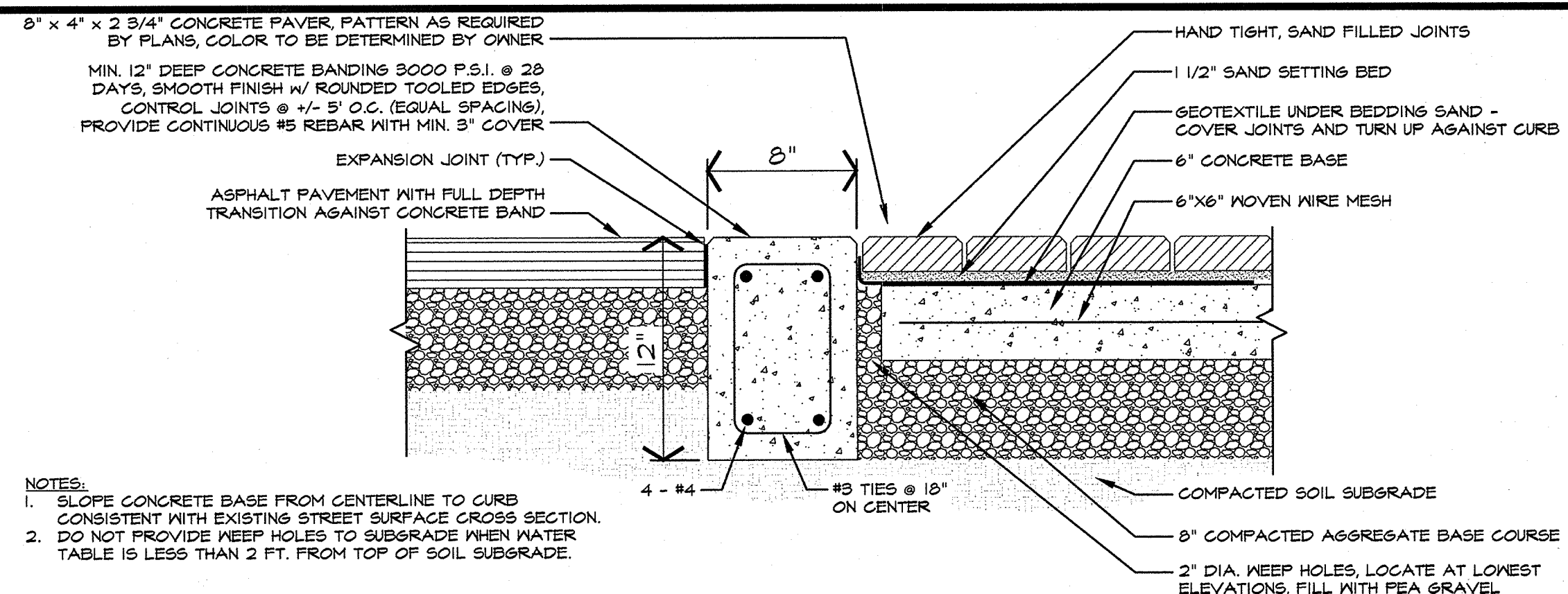
**Rivers & Associates, Inc.**  
 107 East Second Street  
 Greenville, NC 27834  
 (252) 758-4135  
 Engineers  
 Planners  
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**Professional Engineer Seal**  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 38746  
 JAMES D. WITHESS

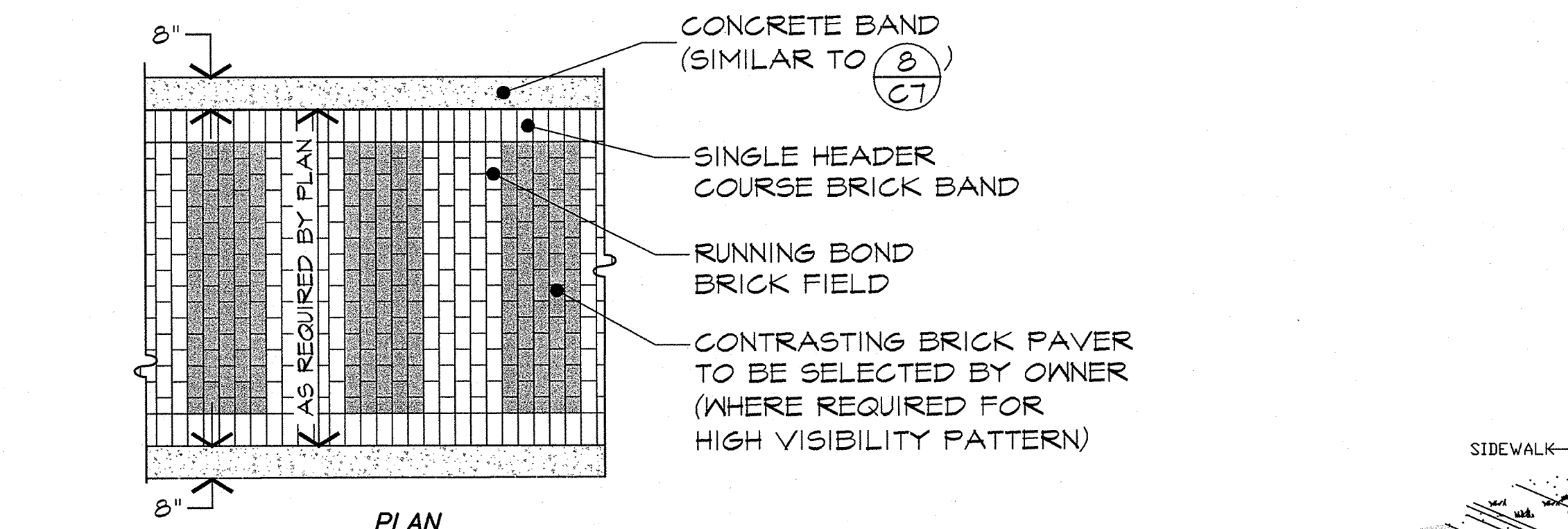
March 30, 2015  
 SURVEY - DRAFT EW/SR  
 DESIGN - CHECK GL/DW  
 PROJECT No. 2011107  
 DRAWING No. W-3571  
 SCALE: 1" = 30'  
 SHEET No. OF 22

**C-6**

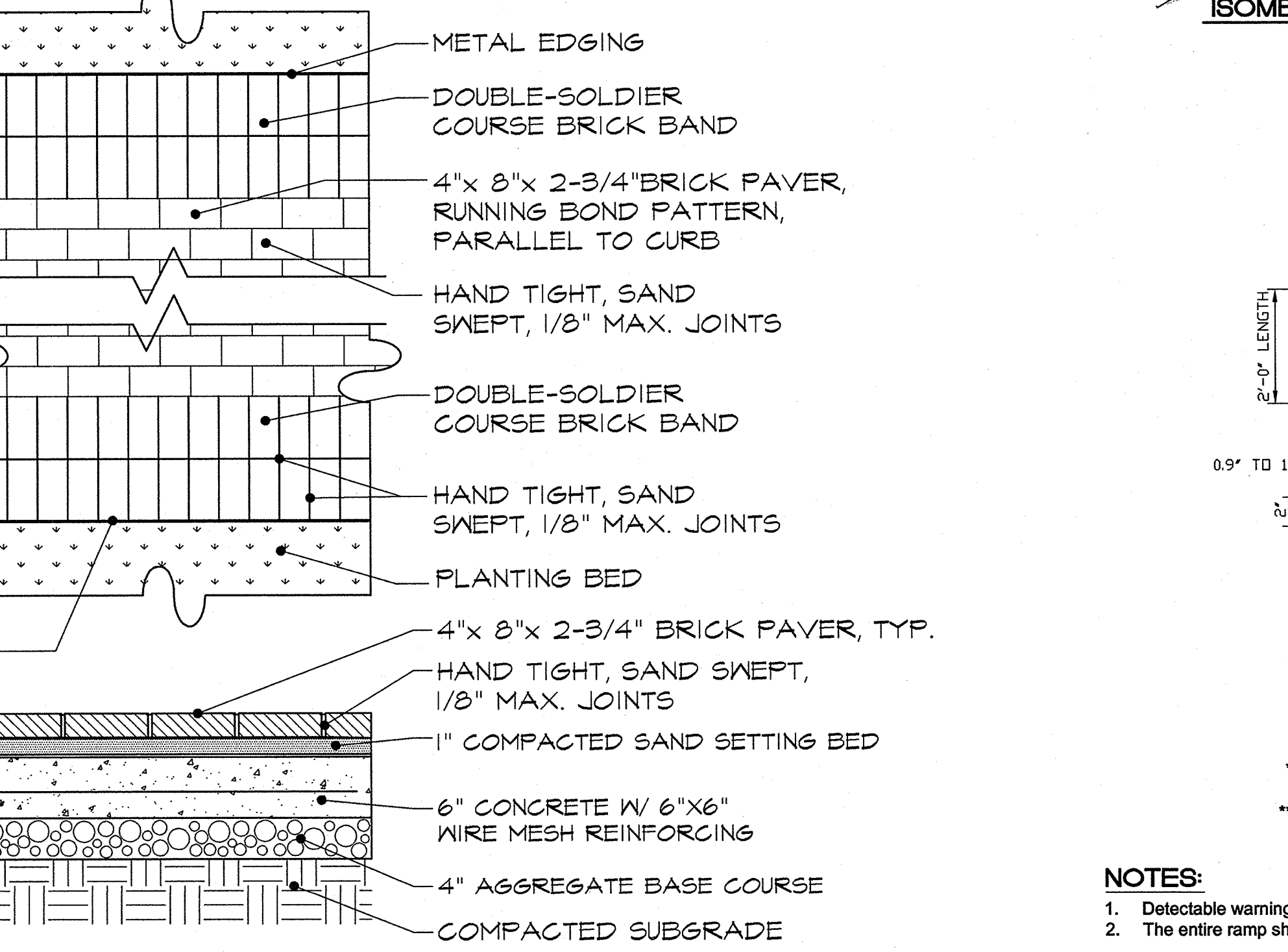
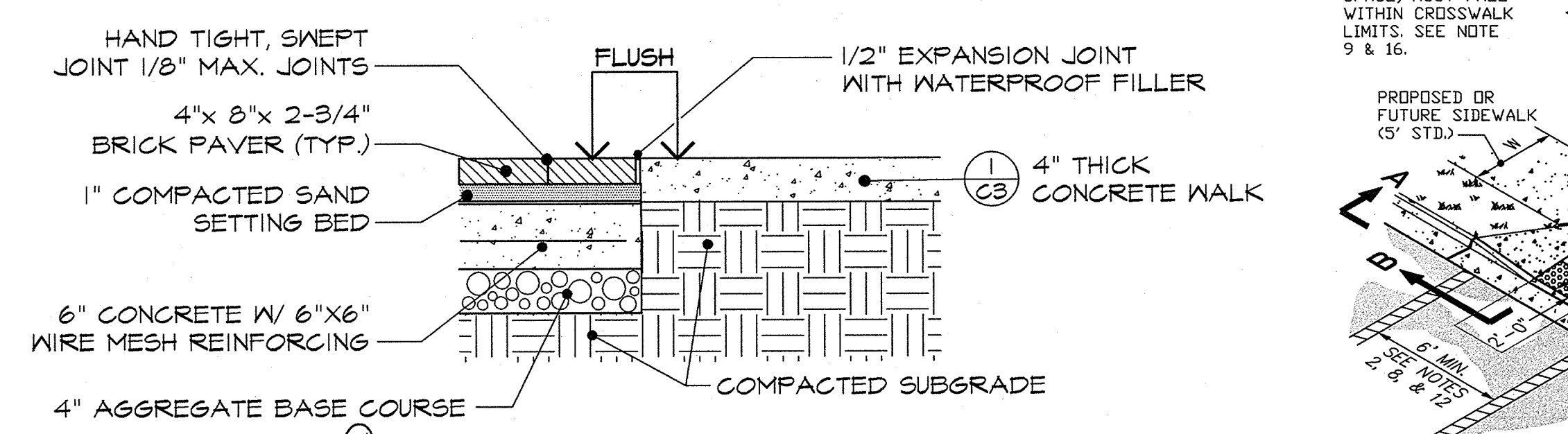




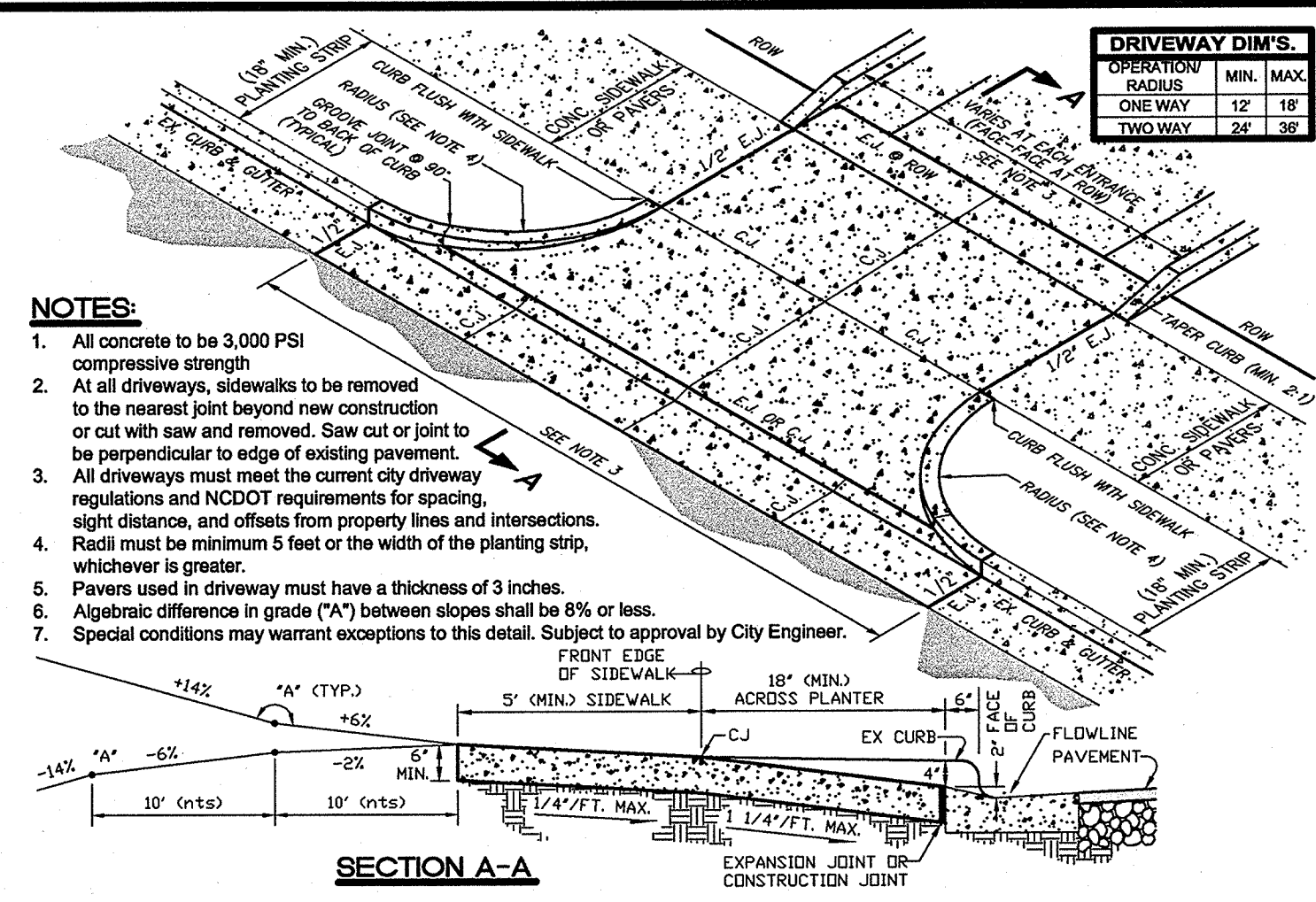
**8** BRICK PAVER CROSSWALK SECTION  
SCALE: N.T.S.



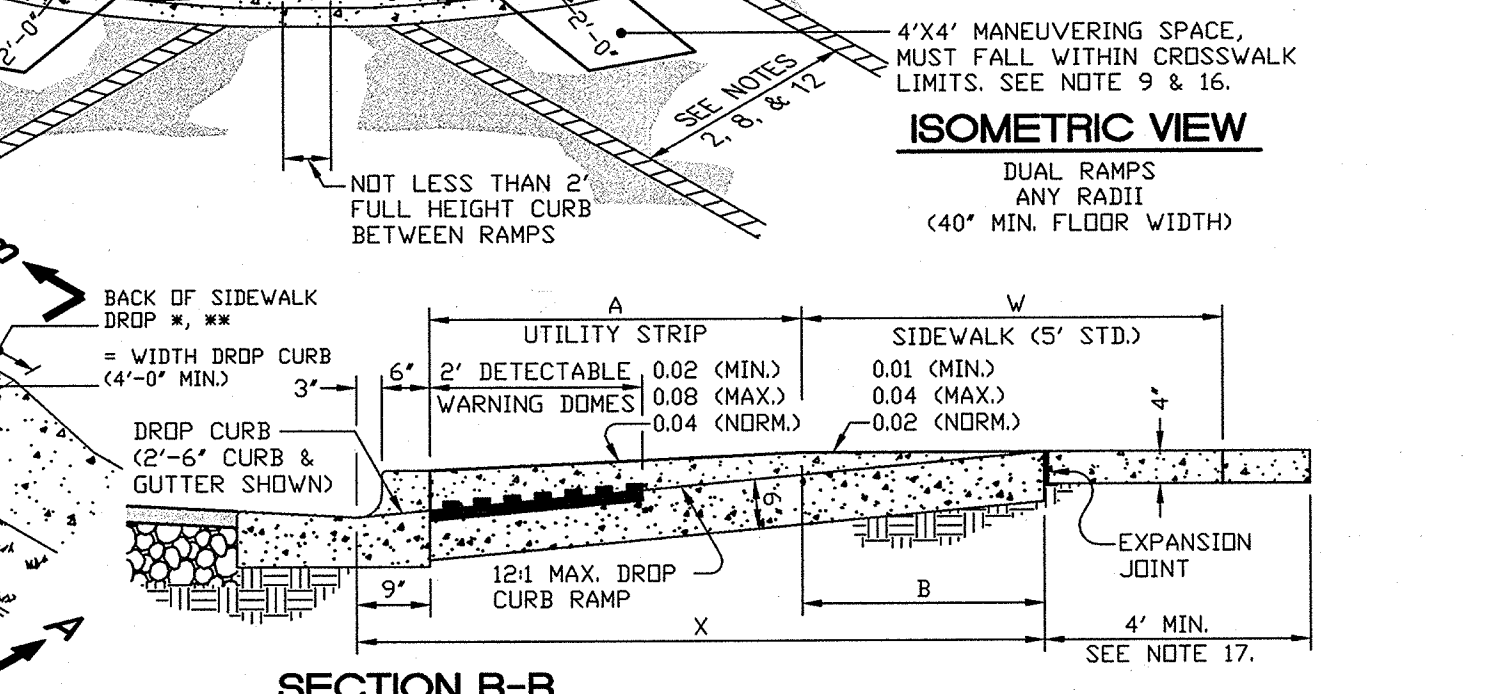
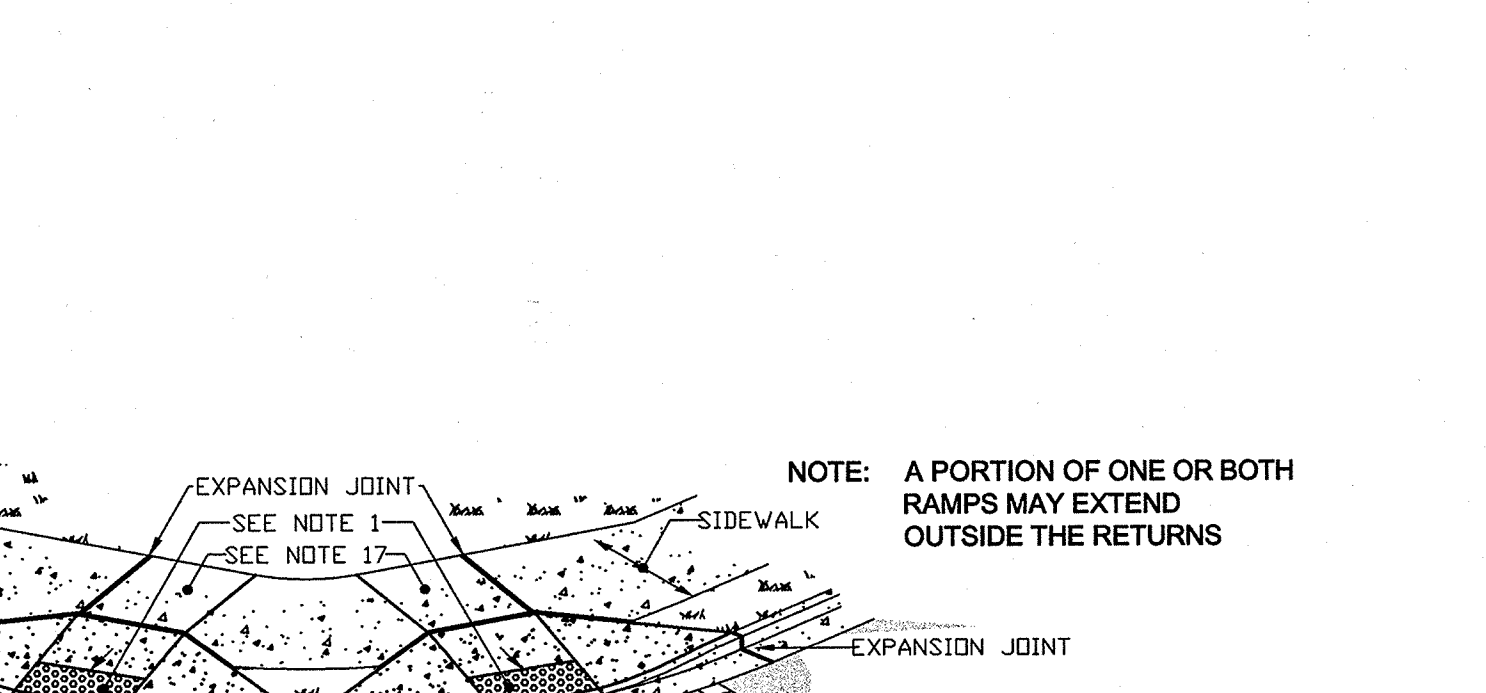
**7** BRICK PAVER CROSSWALK  
SCALE: N.T.S.



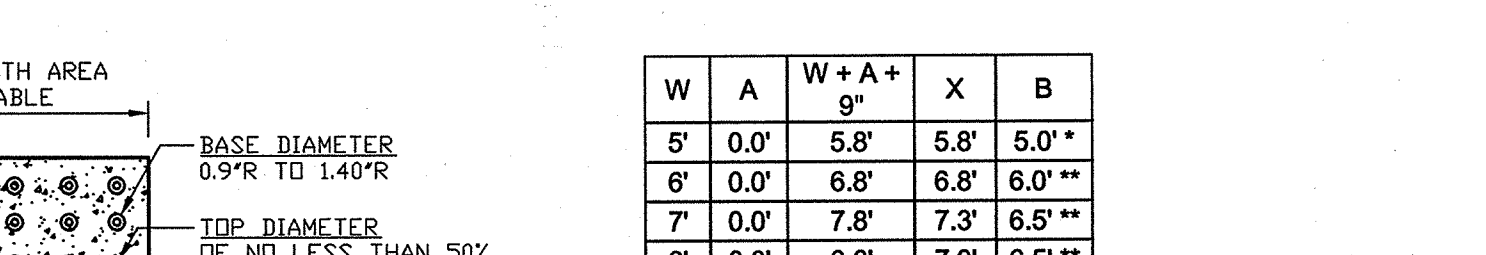
**6** SIDEWALK BRICK PAVERS  
SCALE: N.T.S.



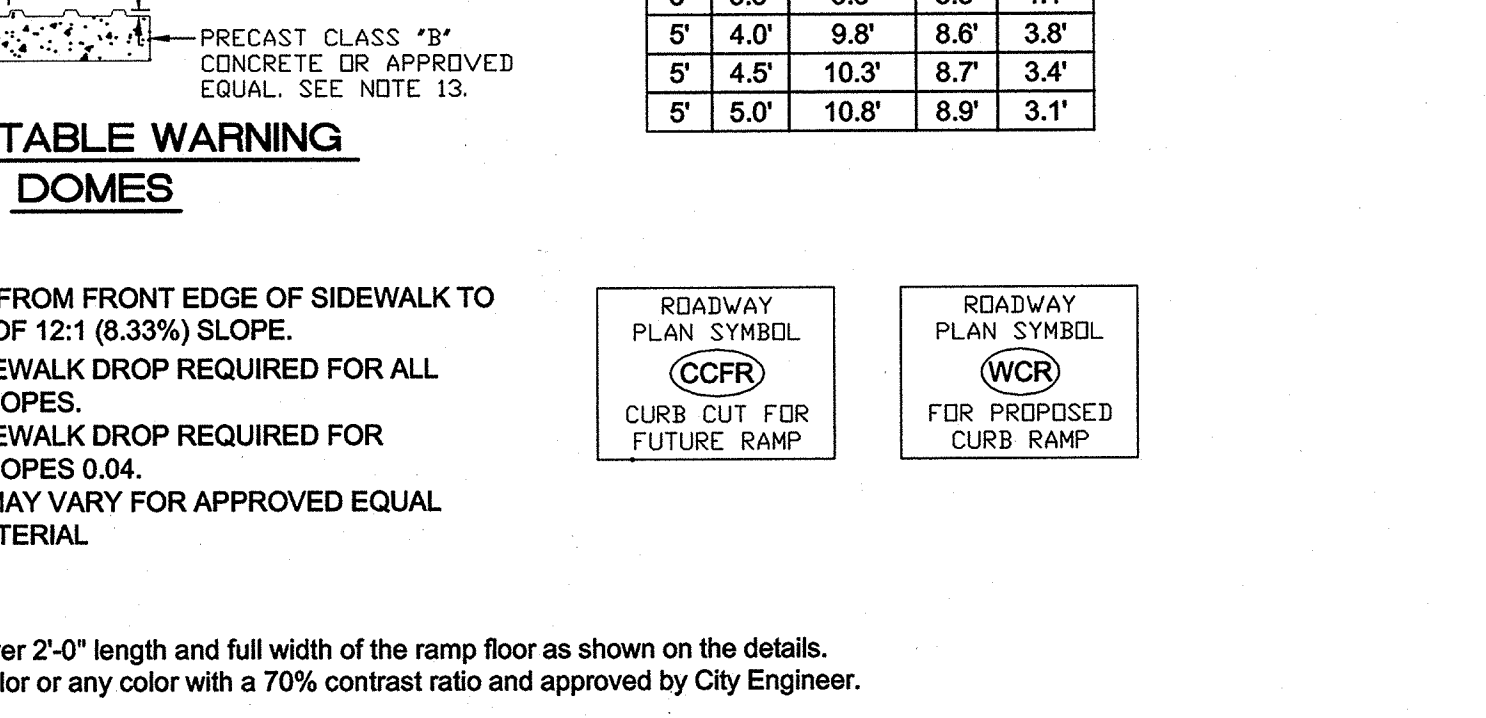
**5** CONCRETE DRIVEWAY DETAIL  
SCALE: N.T.S.



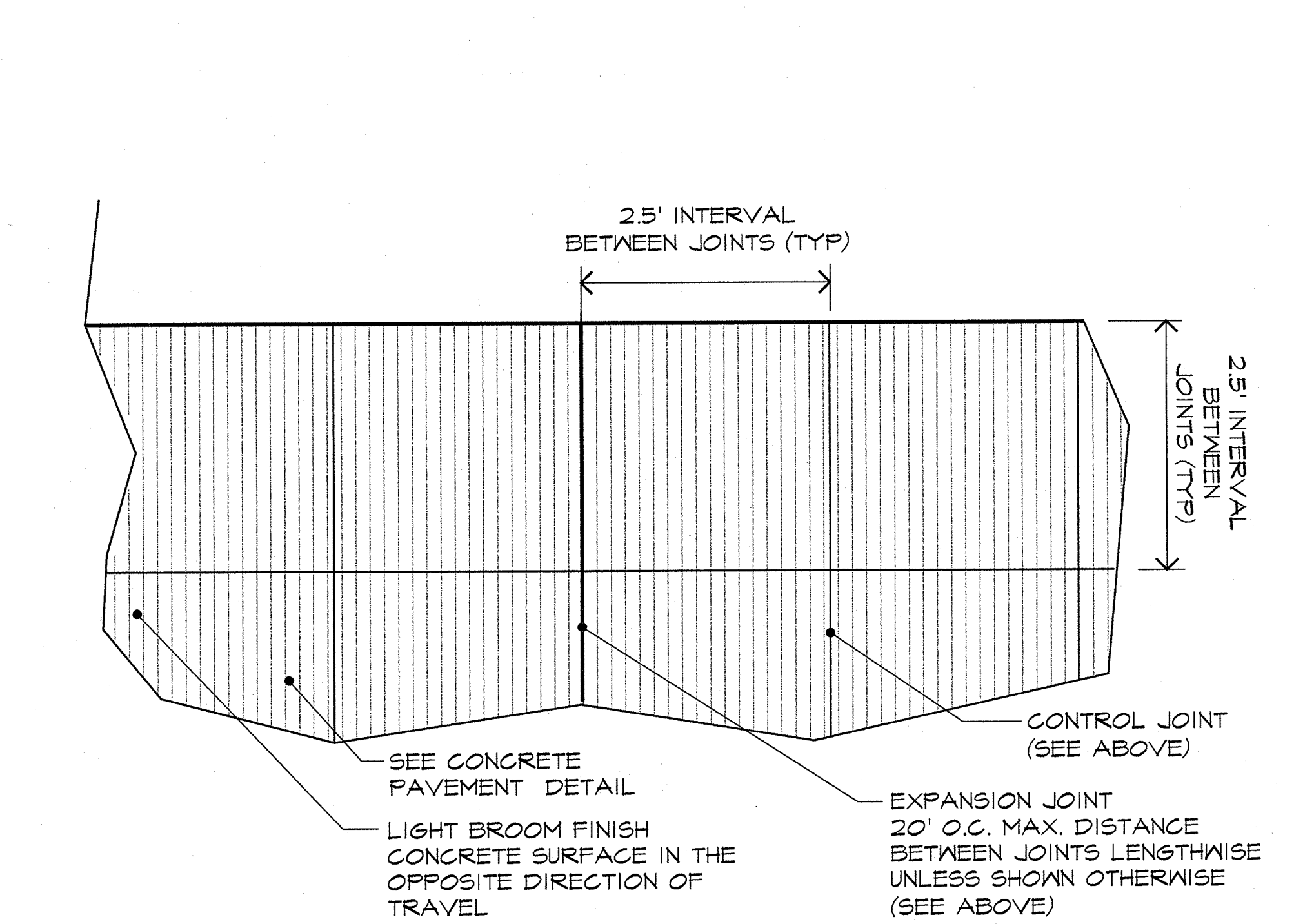
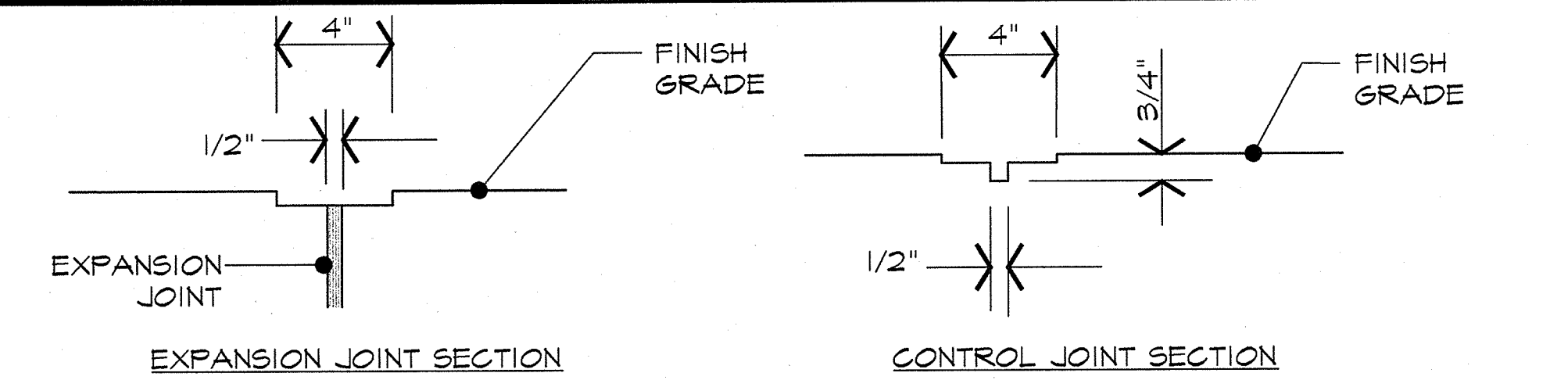
W	A	W+A	X	B
5' 0.0"	5.8'	6.8'	5.8'	5.0'
6' 0.0"	6.8'	7.8'	6.8'	6.0'
7' 0.0"	7.8'	8.8'	7.8'	7.0'
8' 0.0"	8.8'	9.8'	8.8'	8.0'
5' 1.5"	7.3'	8.8'	7.5'	5.2'
5' 2.0"	7.8'	9.3'	8.0'	5.0'
5' 2.5"	8.3'	9.8'	8.5'	4.8'
5' 3.0"	8.8'	10.3'	9.0'	4.4'
5' 3.5"	9.3'	10.8'	9.5'	4.1'
5' 4.0"	9.8'	11.3'	10.0'	3.8'
5' 4.5"	10.3'	11.8'	10.5'	3.4'
5' 5.0"	10.8'	12.3'	11.0'	3.1'



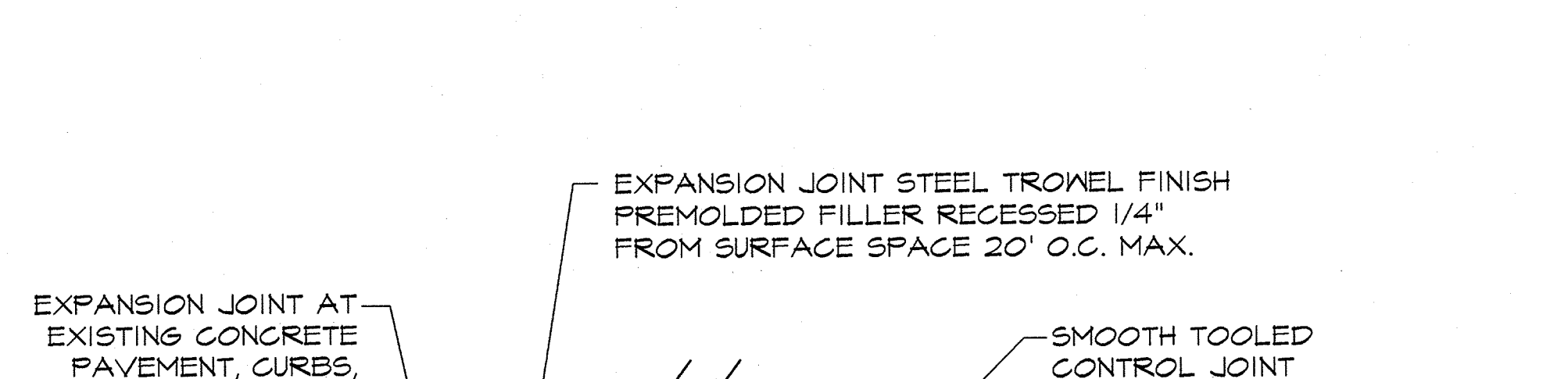
**2** VEHICULAR GRADE CONCRETE SIDEWALK  
SCALE: N.T.S.



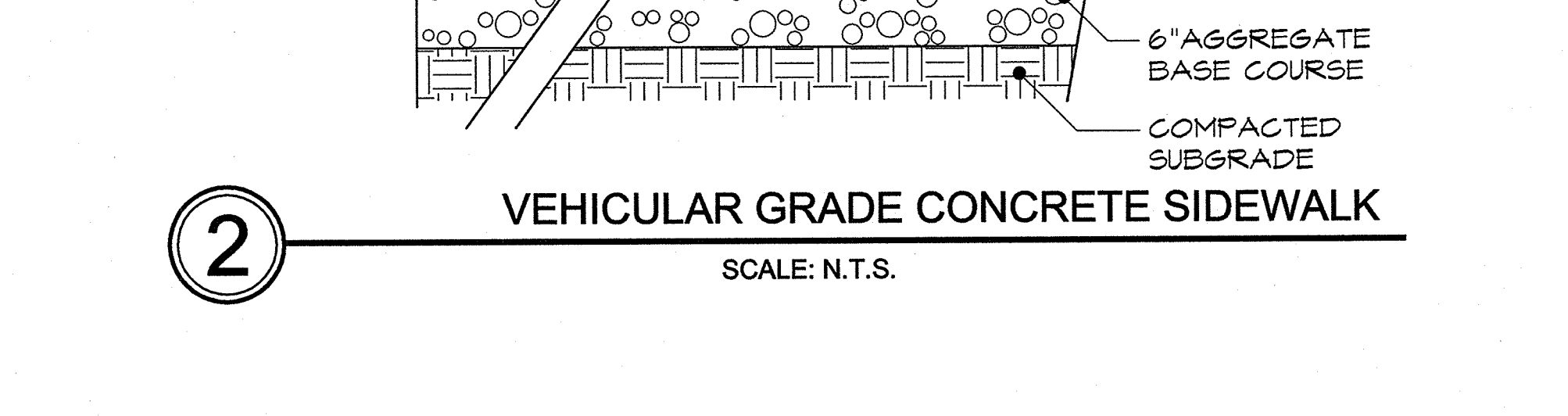
**3** PEDESTRIAN GRADE CONCRETE SIDEWALK  
SCALE: N.T.S.



**1** SINGLE DIRECTION BROOM FINISH AND SCORING  
SCALE: N.T.S.



**2** VEHICULAR GRADE CONCRETE SIDEWALK  
SCALE: N.T.S.



**3** PEDESTRIAN GRADE CONCRETE SIDEWALK  
SCALE: N.T.S.

REVISIONS:

NO.	DATE	DESCRIPTION	BY	APP'D

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DETAILS - SITE  
West Fifth Street Gateway Streetscape - Phase 2  
CITY OF GREENVILLE  
PITT COUNTY

Rivers & Associates, Inc.  
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107 East Second Street  
Greenville, NC 27608  
(252) 752-4135

Professional Engineer  
Seal 38746  
James D. Withers

March 30, 2015

SURVEY	- DRAFT	EW/SR
DESIGN	- CHECK	JDW
PROJECT No.	2011107	
DRAWING No.	W-3571	
SCALE:	AS SHOWN	
SHEET No.	OF	22

C-7

### EROSION CONTROL NOTES

- ALL WORK WILL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES. NO LAND DISTURBING ACTIVITY BEYOND THAT REQUIRED TO INSTALL THE APPROPRIATE EROSION CONTROL MEASURE MAY PROCEED UNTIL MEASURES ARE INSPECTED AND APPROVED.
- FOLLOWING STRIPPING OF SITE, ALL STORM DRAINAGE STRUCTURES SHALL BE INSTALLED. SILT FENCES SHALL BE PLACED ALONG PROPERTY LINES AS INDICATED ON PLANS TO PROTECT ADJACENT DEVELOPMENTS. ROCK INLET SEDIMENT TRAPS SHALL BE INSTALLED AROUND ALL DRAINAGE STRUCTURES TO COLLECT SURFACE RUNOFF AND CONTROL SILTATION AND RELEASE WATER AT A GRADUAL RATE. ALL DISTURBED AREAS WILL BE GRADED, SEEDED AND MULCHED.
- ALL SHOULDERS SHALL BE SEED TO STABILIZE THE SOIL. SEED BED PREPARATION SHALL BE CONDUCTED ACCORDING TO NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES (NCDOT). THE GROUND SURFACE SHALL BE CLEARED OF STUMPS, ROOTS, CABLES, WIRES, GRADE STAKES, AND OTHER MATERIALS THAT MIGHT HINDER PROPER GRADING. TILLAGE, SEEDING OR SUBSEQUENT MAINTENANCE OPERATIONS. GRADES ON THE AREA TO BE SEED SHALL BE MAINTAINED IN A TRUE AND EVEN CONDITION. MAINTENANCE SHALL INCLUDE ANY NECESSARY REPAIRS TO PREVIOUSLY GRADED AREAS. ALL GRADED AREAS SHALL BE THOROUGHLY TILLED TO A DEPTH OF AT LEAST FOUR (4) INCHES BY PLOWING, DISKING, HARROWING, OR OTHER APPROVED METHODS UNTIL THE CONDITION OF THE SOIL IS ACCEPTABLE. ON SITES WHERE SOIL CONDITIONS ARE SUCH THAT HIGH CLAY CONTENT AND EXCESSIVE COMPACTION CAUSE DIFFICULTY IN GETTING CLOUDS AND LUMPS EFFECTIVELY PULVERIZED, THE CONTRACTOR SHALL USE THE ROTARY TILLAGE MACHINERY UNTIL THE MIXING OF THE SOIL IS ACCEPTABLE AND NO CLOUDS OR LUMPS REMAIN LARGER THAN 1 1/2 INCHES IN DIAMETER. A FIRM AND COMPACT SEED BED IS REQUIRED AND AFTER BEING GRADED, THE SEED BED SHALL BE LIGHTLY COMPACTED WITH A LAND ROLLER, SUCH AS A CULTIPACKER, BEFORE AND AFTER SEEDING. LIMESTONE SHALL BE DOLOMITIC AGRICULTURE GROUND LIMESTONE CONTAINING NOT LESS THAN 10 PERCENT MAGNESIUM OXIDE. LIME SHALL BE UNIFORMLY APPLIED AT THE RATE OF 2 TONS PER ACRE AS TESTING REQUIRES PER THE SPECIFICATIONS. IF REQUIRED PER SPECIFICATIONS, FERTILIZER SHALL BE INCORPORATED INTO THE UPPER THREE OR FOUR INCHES OF PREPARED SEED BED JUST PRIOR TO THE LAST LAYER OF OPERATION, BUT IN NO CASE SHALL IT BE APPLIED MORE THAN THREE DAYS PRIOR TO SEEDING. FERTILIZER SHALL BE USED IMMEDIATELY AFTER DELIVERY OR STORED IN A MANNER THAT WILL NOT PERMIT IT TO HARDEN OR DESTROY ITS EFFECTIVENESS.

#### PERMANENT SEEDING

APPLY DOLEMITIC LIMESTONE AT THE RATE OF 2 TONS PER ACRE. IF HYDRATED LIME IS USED, FOLLOW RECOMMENDATION FROM SOIL TEST. COST OF THE TEST SHALL BE BORNE BY THE CONTRACTOR.

APPLY 10-10-10 FERTILIZER OUTSIDE OF NCDOT RIGHT-OF-WAY AT A RATE OF 3,000 POUNDS PER ACRE.

APPLY 10-20-20 FERTILIZER WITHIN NCDOT RIGHT-OF-WAY AT A RATE OF 500 POUNDS PER ACRE

#### PROVIDE PERMANENT SEEDING IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

OUTSIDE OF NCDOT R/W	
(JANUARY 1 - MARCH 31)	
COMMON BERMUDA GRASS (UNHULLED)	- 20 POUNDS PER ACRE
(APRIL 1 - JULY 31)	
COMMON BERMUDA GRASS (HULLED)	- 15 POUNDS PER ACRE
CENTPEDE	- 8 POUNDS PER ACRE
(AUGUST 1 - DECEMBER 31)	
COMMON BERMUDA GRASS (UNHULLED)	- 15 POUNDS PER ACRE
TALL FESCUE	- 120 POUNDS PER ACRE
CENTPEDE	- 8 POUNDS PER ACRE
WITHIN NCDOT R/W	
(JANUARY 1 - DECEMBER 31)	
FESCUE	- 50 POUNDS PER ACRE
PENSACOLA BAHIA GRASS	- 25 POUNDS PER ACRE
CENTPEDE	- 5 POUNDS PER ACRE

- GROUND STABILIZATION (PER NCG010000)
  - SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:
    - ALL PERIMETER DIGS, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
    - ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
  - CONDITIONS - IN MEETING THE STABILIZATION REQUIREMENTS ABOVE, THE FOLLOWING CONDITIONS OR EXEMPTIONS SHALL APPLY:
    - EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE.
    - ALL SLOPES 50' IN LENGTH OR GREATER SHALL APPLY THE GROUND COVER WITHIN 7 DAYS EXCEPT WHEN THE SLOPE IS FLATTER THAN 4:1. SLOPES LESS THAN 50' SHALL APPLY GROUND COVER WITHIN 14 DAYS EXCEPT WHEN SLOPES ARE STEEPER THAN 3:1, THE 7 DAY REQUIREMENT APPLIES.
    - ANY SLOPED AREA FLATTER THAN 4:1 SHALL BE EXEMPT FROM THE 7-DAY GROUND COVER REQUIREMENT.
    - SLOPES 10' OR LESS IN LENGTH SHALL BE EXEMPT FROM THE 7-DAY GROUND COVER REQUIREMENT EXCEPT WHEN THE SLOPE IS STEEPER THAN 2:1.
    - ALTHOUGH STABILIZATION IS USUALLY SPECIFIED AS GROUND COVER, OTHER METHODS, SUCH AS CHEMICAL STABILIZATION, MAY BE ALLOWED ON A CASE-BY-CASE BASIS.
    - FOR PORTIONS OF PROJECTS WITHIN ONE MILE AND DRAINING TO TROUT WATERS AND HIGH QUALITY WATERS AS CLASSIFIED BY THE ENVIRONMENTAL MANAGEMENT COMMISSION, STABILIZATION WITH GROUND COVER SHALL BE ACHIEVED AS SOON AS PRACTICABLE BUT IN ANY EVENT ON ALL AREAS OF THE SITE WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACT.
    - FOR PORTIONS OF PROJECTS LOCATED IN OUTSTANDING RESOURCE WATERS WATERSHEDS AS CLASSIFIED BY THE ENVIRONMENTAL MANAGEMENT COMMISSION, STABILIZATION WITH GROUND COVER SHALL BE ACHIEVED AS SOON AS PRACTICABLE BUT IN ANY EVENT ON ALL AREAS WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACT.
    - PORTIONS OF A SITE THAT ARE LOWER IN ELEVATION THAN ADJACENT DISCHARGE LOCATIONS AND ARE NOT EXPECTED TO DISCHARGE DURING CONSTRUCTION MAY BE EXEMPT FROM THE TEMPORARY GROUND COVER REQUIREMENTS IF IDENTIFIED ON THE APPROVED E&S PLAN OR ADDED BY THE PERMITTING AUTHORITY.

#### SELF INSPECTION AND REPORTING REQUIREMENTS (PER NCG010000)

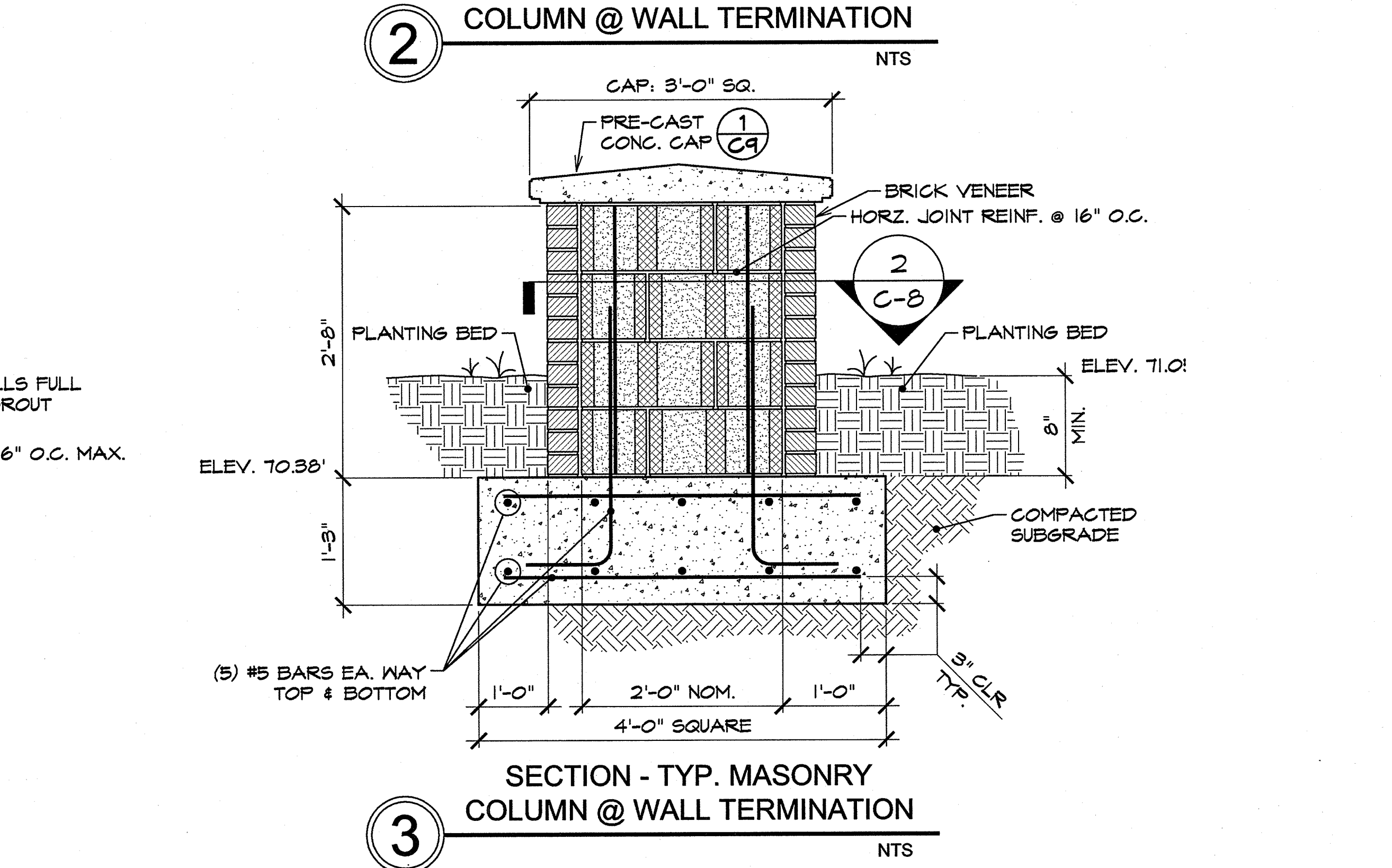
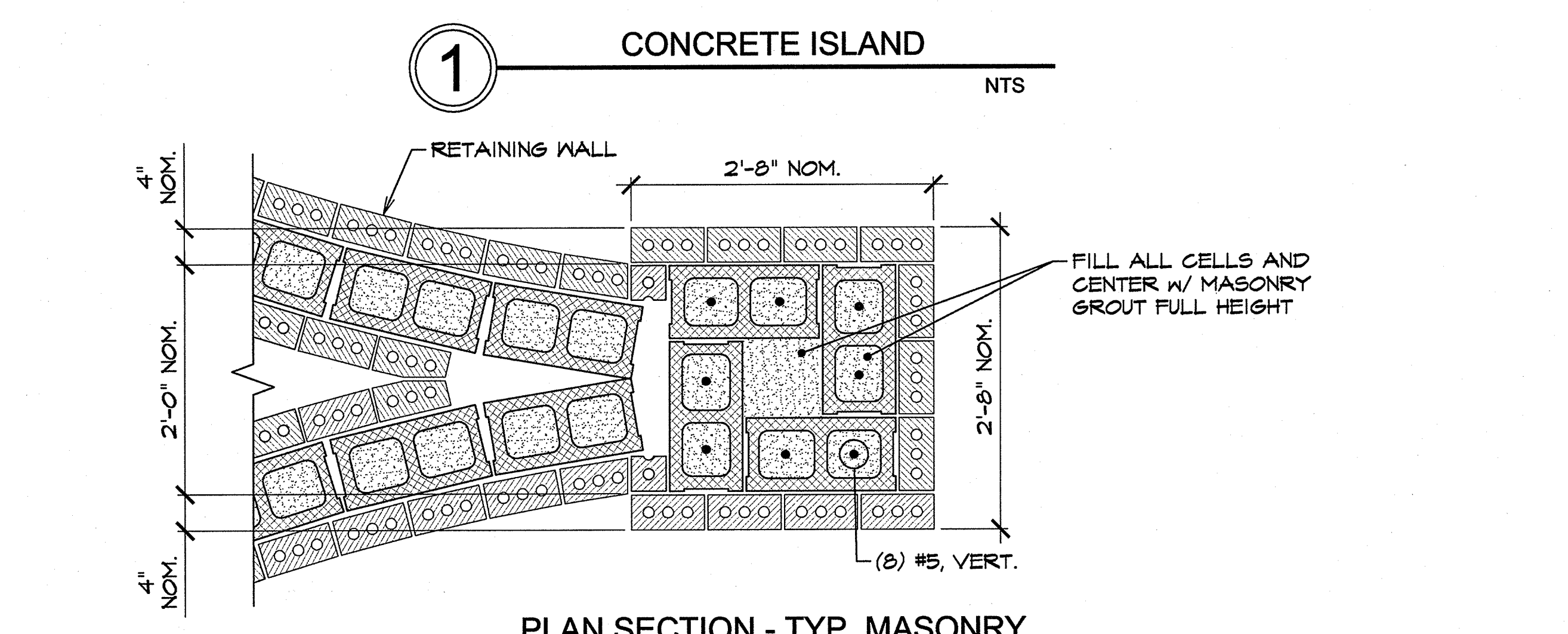
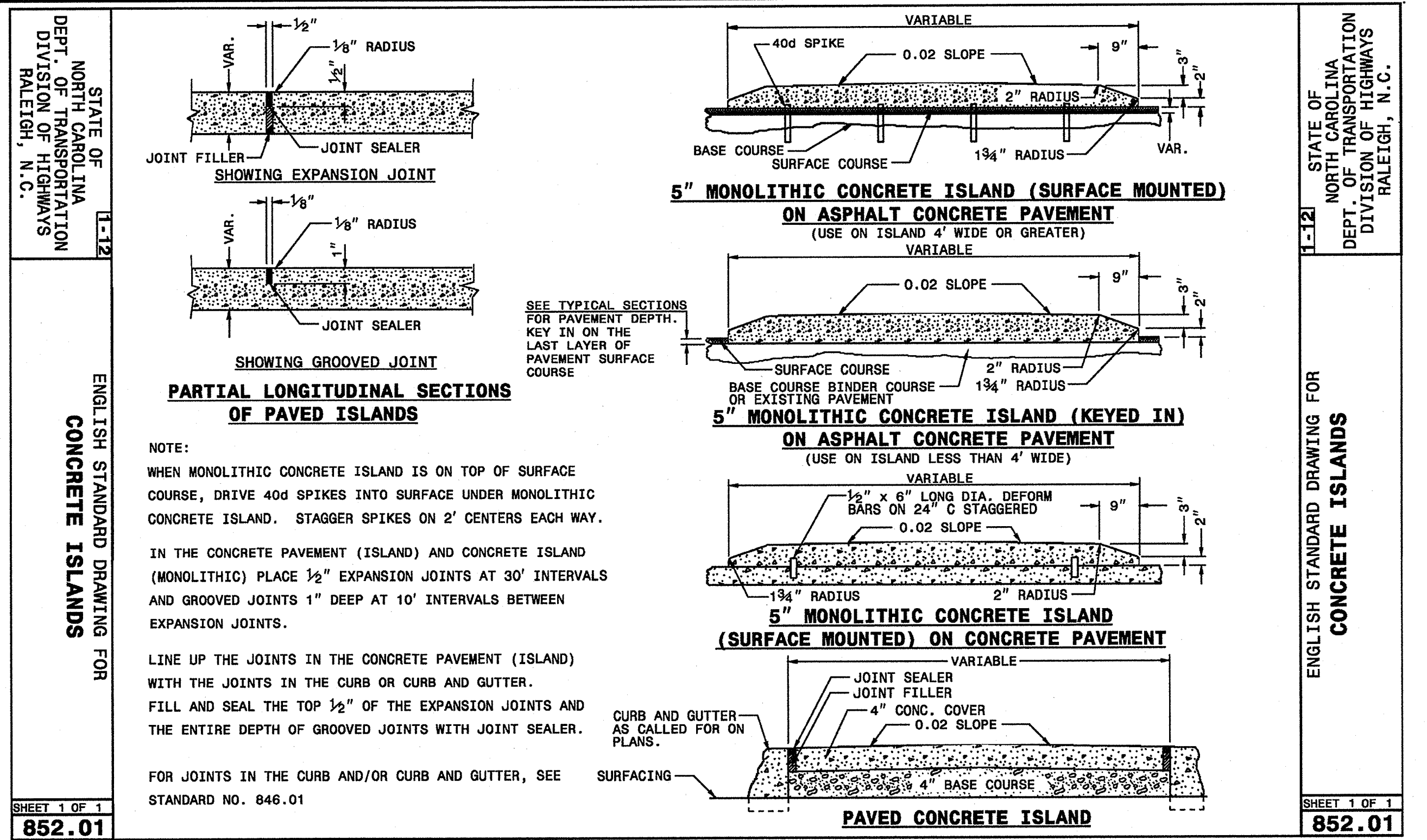
MINIMUM SELF INSPECTION AND REPORTING REQUIREMENTS ARE AS FOLLOWS UNLESS OTHERWISE APPROVED IN WRITING BY THE DIVISION OF WATER QUALITY.

- A RAIN GAUGE SHALL BE MAINTAINED IN GOOD WORKING ORDER ON THE SITE UNLESS ANOTHER RAIN MONITORING DEVICE HAS BEEN APPROVED BY THE PERMITTING AUTHORITY.
- A WRITTEN RECORD OF THE DAILY RAINFALL AMOUNTS SHALL BE RETAINED AND ALL RECORDS SHALL BE MADE AVAILABLE TO DWQ OR AUTHORIZED AGENT UPON REQUEST (NOTE: IF NO RAINFALL OCCURRED, THE PERMITTEE MUST RECORD "ZERO").
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. INSPECTION RECORDS MUST BE MAINTAINED FOR EACH INSPECTION EVENT AND FOR EACH MEASURE. AT A MINIMUM, INSPECTION OF MEASURES MUST OCCUR AT THE FREQUENCY INDICATED BELOW:
  - ALL EROSION AND SEDIMENTATION CONTROL MEASURES MUST BE INSPECTED BY OR UNDER THE DIRECTION OF THE PERMITTEE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS, AND
  - ALL EROSION AND SEDIMENTATION CONTROL MEASURES MUST BE INSPECTED BY OR UNDER THE DIRECTION OF THE PERMITTEE WITHIN 24 HOURS AFTER ANY STORM EVENT OF GREATER THAN 0.50 INCHES OF RAIN PER 24 HOUR PERIOD.
  - TIMES WHEN A DETERMINATION THAT ADVERSE WEATHER CONDITIONS PREVENTED INSPECTIONS SHOULD BE DOCUMENTED ON THE INSPECTION RECORD.
- ONCE LAND DISTURBANCE HAS BEGUN ON THE SITE, STORMWATER RUNOFF DISCHARGE OUTFALLS SHALL BE INSPECTED BY OBSERVATION FOR EROSION, SEDIMENTATION AND OTHER STORMWATER DISCHARGE CHARACTERISTICS SUCH AS CLARITY, FLOATING SOLIDS, AND OIL SHEENS. INSPECTIONS OF THE OUTFALLS SHALL BE MADE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT OF GREATER THAN 0.50 INCHES OF RAIN PER 24 HOUR PERIOD.
- INSPECTIONS ARE ONLY REQUIRED TO BE MADE DURING NORMAL BUSINESS HOURS. WHEN ADVERSE WEATHER CONDITIONS WOULD CAUSE THE SAFETY OF THE INSPECTION PERSONNEL TO BE IN JEOPARDY, THE INSPECTION CAN BE DELAYED UNTIL IT IS DEEMED SAFE TO PERFORM THESE DUTIES. IF THE INSPECTION CANNOT BE DONE ON THAT DAY, IT MUST BE COMPLETED ON THE FOLLOWING BUSINESS DAY.
- TWENTY-FOUR HOUR REPORTING FOR VISIBLE SEDIMENT DEPOSITION
  - THE PERMITTEE SHALL REPORT TO THE DIVISION OF WATER QUALITY CENTRAL OFFICE OR THE APPROPRIATE REGIONAL OFFICE ANY VISIBLE SEDIMENT BEING DEPOSITED IN ANY STREAM OR WETLAND OR ANY NONCOMPLIANCE WHICH MAY ENDANGER HEALTH OR THE ENVIRONMENT. (SEE SECTION IX OF THIS PERMIT FOR CONTACT INFORMATION.) ANY INFORMATION SHALL BE PROVIDED ORALLY OR ELECTRONICALLY WITHIN 24 HOURS FROM THE TIME THE PERMITTEE BECAME AWARE OF THE CIRCUMSTANCES. VISIBLE DISCOLORATION OR SUSPENDED SOLIDS IN THE EFFLUENT SHOULD BE RECORDED ON THE INSPECTION RECORD AS PROVIDED BELOW.
  - A WRITTEN SUBMISSION SHALL BE PROVIDED TO THE APPROPRIATE REGIONAL OFFICE OF THE DWQ WITHIN 5 DAYS OF THE TIME THE PERMITTEE BECAME AWARE OF THE CIRCUMSTANCES. THE WRITTEN SUBMISSION SHALL CONTAIN A DESCRIPTION OF THE SEDIMENT DEPOSITION AND ACTIONS TAKEN TO ADDRESS THE CAUSE OF THE DEPOSITION. THE DIVISION OF WATER QUALITY STAFF MAY WAIVE THE REQUIREMENT FOR A WRITTEN REPORT ON A CASE-BY-CASE BASIS.
- RECORDS OF INSPECTIONS MADE DURING THE PREVIOUS 30 DAYS SHALL REMAIN ON THE SITE AND AVAILABLE FOR AGENCY INSPECTORS AT ALL TIMES DURING NORMAL WORKING HOURS, UNLESS THE PERMITTING AUTHORITY PROVIDES A SITE-SPECIFIC EXEMPTION BASED ON UNIQUE SITE CONDITIONS THAT MAKE THIS REQUIREMENT NOT PRACTICAL. OLDER RECORDS MUST BE MAINTAINED FOR A PERIOD OF ONE YEAR AFTER PROJECT COMPLETION AND MADE AVAILABLE UPON REQUEST. THE RECORDS MUST PROVIDE THE DETAILS OF EACH INSPECTION INCLUDING OBSERVATIONS, AND ACTIONS TAKEN IN ACCORDANCE WITH THIS PERMIT. THE PERMITTEE SHALL RECORD THE REQUIRED RAINFALL AND MONITORING OBSERVATIONS ON THE "INSPECTION RECORD FOR ACTIVITIES UNDER STORMWATER GENERAL PERMIT NCG010000" FORM PROVIDED BY THE DIVISION OR A SIMILAR INSPECTION FORM THAT IS INCLUSIVE OF ALL OF THE ELEMENTS CONTAINED IN THE DIVISION'S FORM. ELECTRONIC STORAGE OF RECORDS WILL BE ALLOWED IF APPROVED BY THE PERMITTING AUTHORITY.

### EROSION CONTROL NOTES (CONT.)

#### H. INSPECTION RECORDS MUST INCLUDE, AT A MINIMUM, THE FOLLOWING:

- CONTROL MEASURE INSPECTIONS: INSPECTION RECORDS MUST INCLUDE AT A MINIMUM:
    - IDENTIFICATION OF THE MEASURES INSPECTED,
    - DATE AND TIME OF THE INSPECTION,
    - NAME OF THE PERSON PERFORMING THE INSPECTION,
    - INDICATION OF WHETHER THE MEASURES WERE OPERATING PROPERLY,
    - DESCRIPTION OF MAINTENANCE NEEDS FOR THE MEASURE,
    - CORRECTIVE ACTIONS TAKEN AND
    - DATE OF ACTIONS TAKEN.
  - STORMWATER DISCHARGE INSPECTIONS: INSPECTION RECORDS MUST INCLUDE AT A MINIMUM:
    - IDENTIFICATION OF THE DISCHARGE INSPECTED,
    - DATE AND TIME OF THE INSPECTION,
    - NAME OF THE PERSON PERFORMING THE INSPECTION,
    - EVIDENCE OF INDICATORS OF STORMWATER POLLUTION SUCH AS OIL SHEEN, FLOATING OR SUSPENDED SOLIDS OR DISCOLORATION,
    - INDICATION OF VISIBLE SEDIMENT LEAVING THE SITE,
    - ACTIONS TAKEN TO CORRECT/PREVENT SEDIMENTATION AND
    - DATE OF ACTIONS TAKEN.
  - VISIBLE SEDIMENTATION FOUND OUTSIDE THE SITE LIMITS: INSPECTION RECORDS MUST INCLUDE:
    - AN EXPLANATION AS TO THE ACTIONS TAKEN TO CONTROL FUTURE RELEASES,
    - ACTIONS TAKEN TO CORRECT OR STABILIZE THE SEDIMENT THAT HAS LEFT THE SITE LIMITS AND
    - THE DATE OF ACTIONS TAKEN.
  - VISIBLE SEDIMENTATION FOUND IN STREAMS OR WETLANDS: ALL INSPECTIONS SHOULD INCLUDE EVALUATION OF STREAMS OR WETLANDS ONSITE OR OFFSITE (WHERE ACCESSIBLE) TO DETERMINE IF VISIBLE SEDIMENTATION HAS OCCURRED.
    - VISIBLE STREAM TURBIDITY - IF THE DISCHARGE FROM A SITE RESULTS IN VISIBLE STREAM TURBIDITY, INSPECTION RECORDS MUST RECORD THAT EVIDENCE AND ACTIONS TAKEN TO REDUCE SEDIMENT CONTRIBUTIONS. SITES DISCHARGING TO STREAMS NAMED ON THE STATE'S 303(D) LIST AS IMPAIRED FOR SEDIMENT-RELATED CAUSES MAY BE REQUIRED TO PERFORM ADDITIONAL MONITORING, INSPECTIONS OR APPLICATION OF MORE-STRINGENT MANAGEMENT PRACTICES IF IT IS DETERMINED THAT THE ADDITIONAL REQUIREMENTS ARE NEEDED TO ASSURE COMPLIANCE WITH THE FEDERAL OR STATE IMPAIRED-WATERS CONDITIONS. IF A DISCHARGE COVERED BY THIS PERMIT ENTERS A STREAM SEGMENT THAT IS LISTED ON THE IMPAIRED STREAM LIST FOR SEDIMENT-RELATED CAUSES, AND A TOTAL MAXIMUM DAILY LOAD (TMDL) HAS BEEN PREPARED FOR THOSE POLLUTANTS, THE PERMITTEE MUST IMPLEMENT MEASURES TO ENSURE THAT THE DISCHARGE OF POLLUTANTS FROM THE SITE IS CONSISTENT WITH THE ASSUMPTIONS AND MEETS THE REQUIREMENTS OF THE APPROVED TMDL. THE DWQ 303(D) LIST CAN BE FOUND AT: [HTTP://HD2.ENR.STATE.NC.US/TMDL/GENERAL\\_303D.HTM](http://hd2.enr.state.nc.us/tmdl/general_303d.htm)
- IN THE EVENT OF A CONFLICT BETWEEN THE REQUIREMENTS OF THE SEDIMENTATION POLLUTION CONTROL ACT, THE SUBMITTED PLAN AND/OR THE CONTRACT SPECIFICATIONS, THE MORE RESTRICTIVE REQUIREMENT SHALL PREVAIL. THE LAND-DISTURBING ACTIVITY SHALL BE CONDUCTED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.
  - THE LATEST APPROVED EROSION AND SEDIMENTATION CONTROL PLAN WILL BE USED DURING PERIODIC UNANNOUNCED INSPECTIONS TO DETERMINE COMPLIANCE AND A COPY OF THE PLAN MUST BE ON FILE AT THE JOB SITE. IF IT IS DETERMINED THAT THE IMPLEMENTED PLAN IS INADEQUATE, THIS OFFICE MAY REQUIRE THE INSTALLATION OF ADDITIONAL MEASURES AND/OR THAT THE PLAN BE REVISED TO COMPLY WITH STATE LAW.
  - THE CERTIFICATE OF PLAN APPROVAL MUST BE POSTED AT THE PRIMARY ENTRANCE TO THE JOB SITE AND REMAIN UNTIL THE SITE IS PERMANENTLY STABILIZED.
  - A BUFFER ZONE, SUFFICIENT TO RESTRAIN VISIBLE SEDIMENTATION WITHIN THE FIRST 25% OF THE WIDTH CLOSEST TO THE LAND DISTURBANCE, MUST BE PROVIDED AND MAINTAINED BETWEEN THE LAND-DISTURBING ACTIVITY AND ANY ADJACENT PROPERTY OR WATERCOURSE.
  - IN ORDER TO COMPLY WITH THE INTENT OF THE ACT, THE SCHEDULING OF THE LAND-DISTURBING ACTIVITIES IS TO BE SUCH THAT BOTH THE AREA OF EXPOSURE AND THE TIME BETWEEN LAND DISTURBANCE AND PROVIDING GROUND COVER IS MINIMIZED.
  - UNLESS A TEMPORARY, MANUFACTURED, LINING MATERIAL HAS BEEN SPECIFIED, A CLEAN STRAW MULCH MUST BE APPLIED, AT A MINIMUM RATE OF 2 TONS/ACRE, TO ALL SEED AREAS. THE MULCH MUST COVER AT LEAST 75% OF THE SEED AREA AFTER IT IS EITHER TACKED WITH AN ACCEPTABLE TACKING MATERIAL, OR CRIMPED IN PLACE.
  - ADEQUATE AND APPROPRIATE MEASURES MUST BE PROPERLY INSTALLED DOWNSTREAM, WITHIN THE LIMITS OF DISTURBANCE, OF ANY LAND-DISTURBING ACTIVITY TO PREVENT SEDIMENT FROM LEAVING THE LIMITS OF DISTURBANCE, ENTERING EXISTING DRAINAGE SYSTEMS, IMPACTING AN ON-SITE NATURAL WATERCOURSE OR ADJACENT PROPERTY.
  - SILT FENCES, INCLUDING OUTLET SECTIONS, ARE NOT APPROPRIATE FOR AREAS OF CONCENTRATED FLOW SUCH AS SWALES OR DITCHES. PROVIDE ADEQUATE AND APPROPRIATE MEASURES FOR ALL CONSTRUCTION WITHIN AREAS OF CONCENTRATED FLOW.
  - ALL SLOPES AFFECTED DURING THE INSTALLATION/CLEANUP PROCESS MUST BE PROVIDED ON A GRADE THAT CAN BE RETAINED BY VEGETATIVE OR OTHER APPROPRIATE COVER.
  - AT ANY GIVEN TIME WITHIN THE PROJECT AREA, THE MAXIMUM AFFECTED, EXPOSED AND "UNRESTORED" AREA IS LIMITED TO THE LESSER OF 2 (TWO) ACRES OR THE EFFECTIVE LENGTH ALONG ANY GIVEN ROAD SECTION LIMITED TO THE LESSER OF 2 (TWO) ACRES OR THE EFFECTIVE LENGTH ALONG ANY GIVEN ROAD SECTION (APPROXIMATELY 2 MILES). A ROAD SECTION BEING DEFINED AS A CONTINUOUS SECTION OF ROAD HAVING THE SAME SR NUMBER OR ROAD NAME.
  - INSTALL SILT FENCE OVER AND AROUND THE TOP OF EXISTING PIPES AND INLET AT DISTURBED AREAS.
  - ALL DISTURBED AREAS SHALL BE GRADED TO MINIMIZE RUNOFF.
  - INSTALL SILT FENCE AROUND SPOIL PILES AND ALONG TRENCHES TO MINIMIZE SEDIMENT FROM ENTERING ROADSIDE DITCHES AND EXISTING DRAINAGE OUTLETS.
  - PROVIDE EROSION CONTROL MEASURES AROUND STOCK/WASTE PILES AND STAGING AREAS AS NEEDED OR AS DIRECTED BY ENGINEER.
  - PROTECT STORM PIPE INLETS FROM SEDIMENT RUNOFF FROM LAND DISTURBING ACTIVITIES WITH SILT FENCE, STONE CHECK DAM, OR ABC FILTER AS APPROPRIATE FOR SITE CONDITIONS.
  - REPLACE DISTURBED STORM PIPE OUTLET PROTECTION WITH EQUAL OR GREATER AMOUNT OF RIP-RAP WITHIN 15 DAYS OF DISTURBANCE - OR AS REQUIRED BY NCDENR-DWQ.
  - WHERE THE AREA AROUND AN OUTLET IS DISTURBED AND NO OUTLET PROTECTION EXISTS, CLASS "1" RIP-RAP SHALL BE PLACED AROUND PIPE OUTLET AS DIRECTED BY THE ENGINEER.
  - PROVIDE EROSION CONTROL MATTING WHERE INDICATED UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
  - PROVIDE PERMANENT SEEDING IN ACCORDANCE WITH THE SEEDING SCHEDULE.
  - REPORT EROSION CONTROL DEFICIENCIES TO THE ENGINEER IMMEDIATELY.
  - ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL ALL SEEDING IS ESTABLISHED AND CONSTRUCTION AREAS HAVE BEEN STABILIZED.
  - CONTRACTOR SHALL INSPECT AND MAINTAIN AS NEEDED ALL EROSION CONTROL DEVICES ON A WEEKLY BASIS AND AFTER EACH MAJOR STORM EVENT. WHEN INSPECTION REVEALS THE TRAP TO BE REDUCED TO 50% OF DESIGN CAPACITY OR THE DEVICE TO BE DEFICIENT IN ITS INTENDED PURPOSE SUCH AS FABRIC DETERIORATION FOR SILT FENCES THE CONTRACTOR SHALL RESTORE THE DEVICE TO ITS ORIGINAL CONDITION. FAILURE TO KEEP ALL EROSION CONTROL DEVICES IN PROPER WORKING ORDER MAY RESULT IN A STOP WORK ORDER OR CIVIL PENALTIES UP TO \$5,000.00 PER DAY OF VIOLATION.



4 CENTER ISLAND BRICK WALL - SECTION NTS

3 SECTION - TYP. MASONRY COLUMN @ WALL TERMINATION NTS

REVISIONS:

NO.	DESCRIPTION	DATE	APPROVED

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

ENGLISH STANDARD DRAWING FOR CONCRETE ISLANDS

GREENVILLE NORTH CAROLINA

West Fifth Street Gateway Streetscape - Phase 2

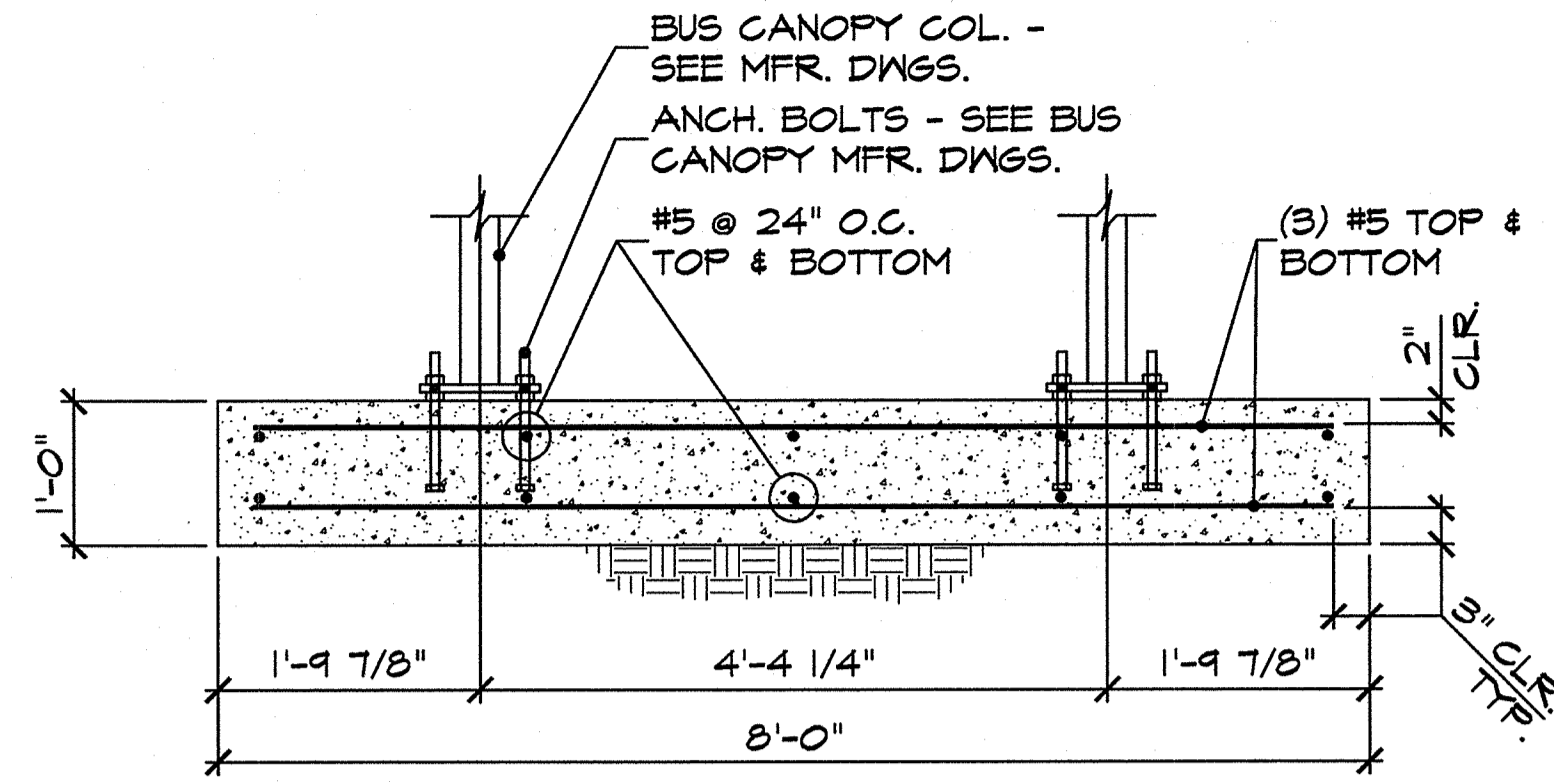
**CITY OF GREENVILLE**

PITT COUNTY NORTH CAROLINA

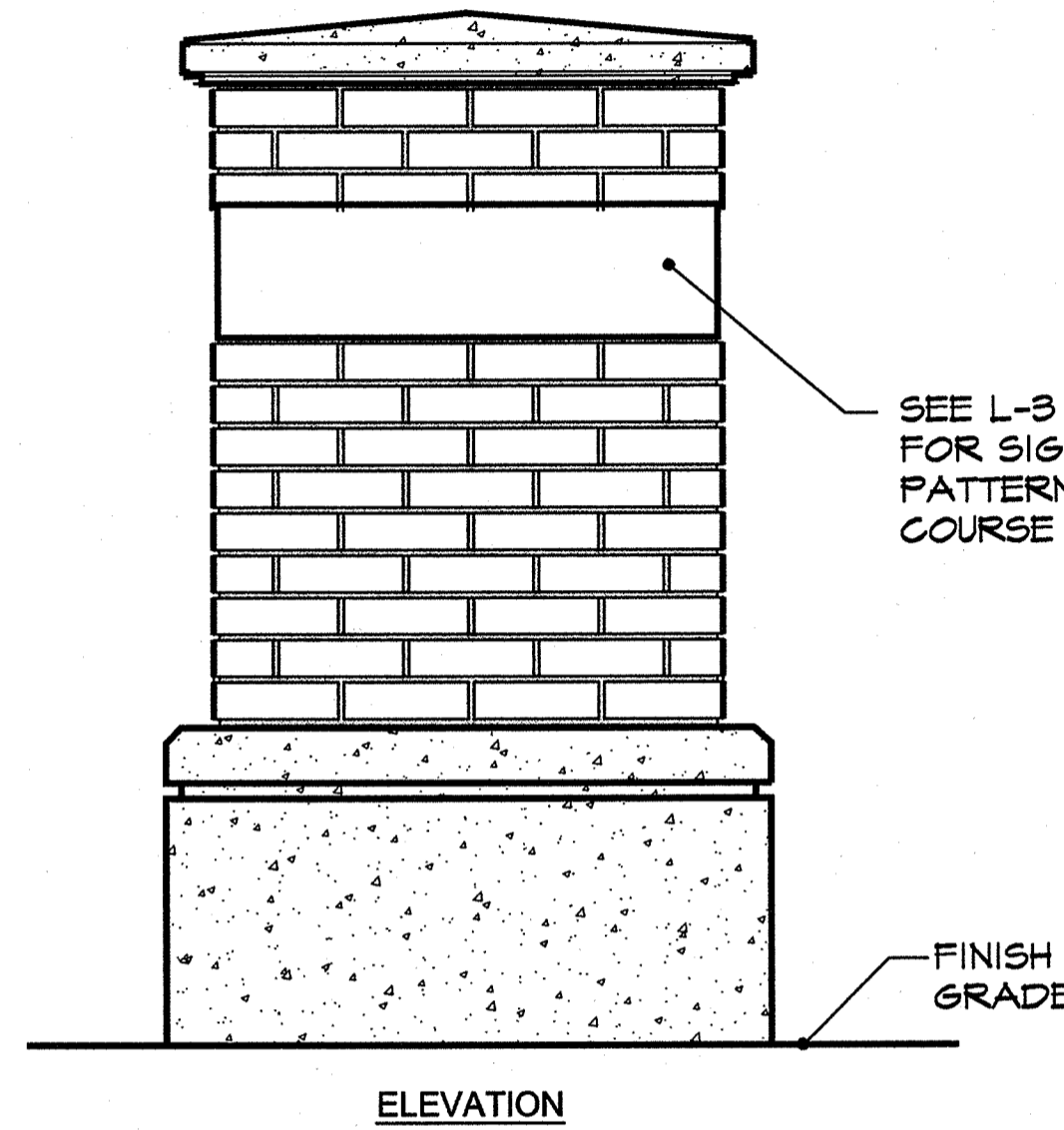
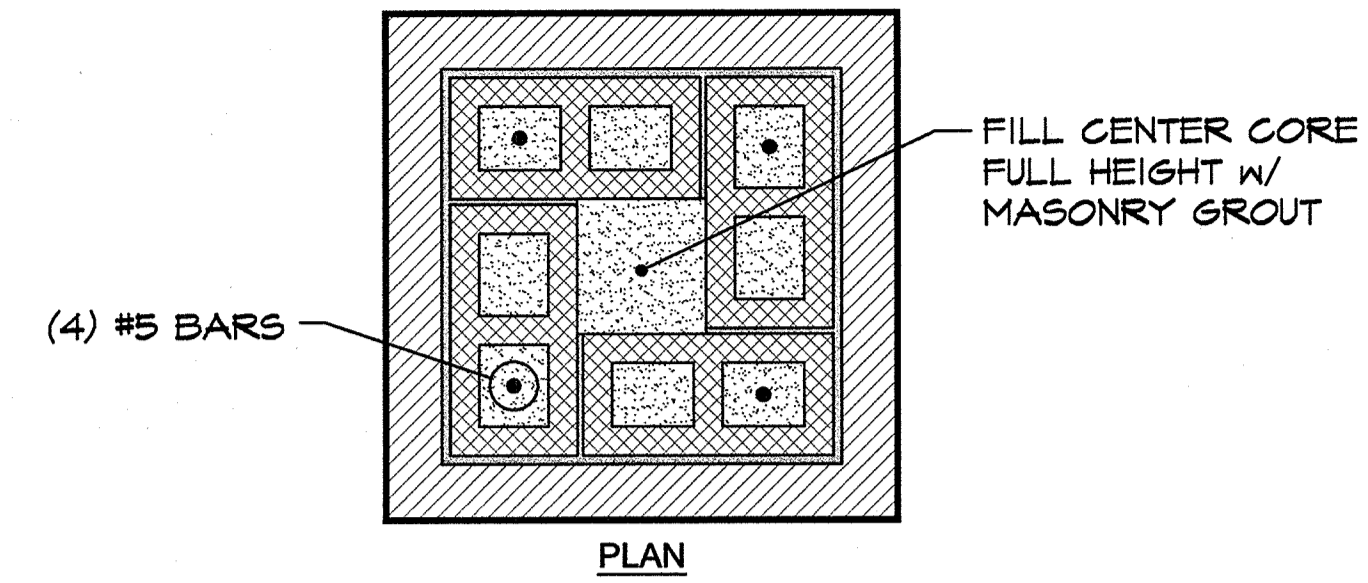
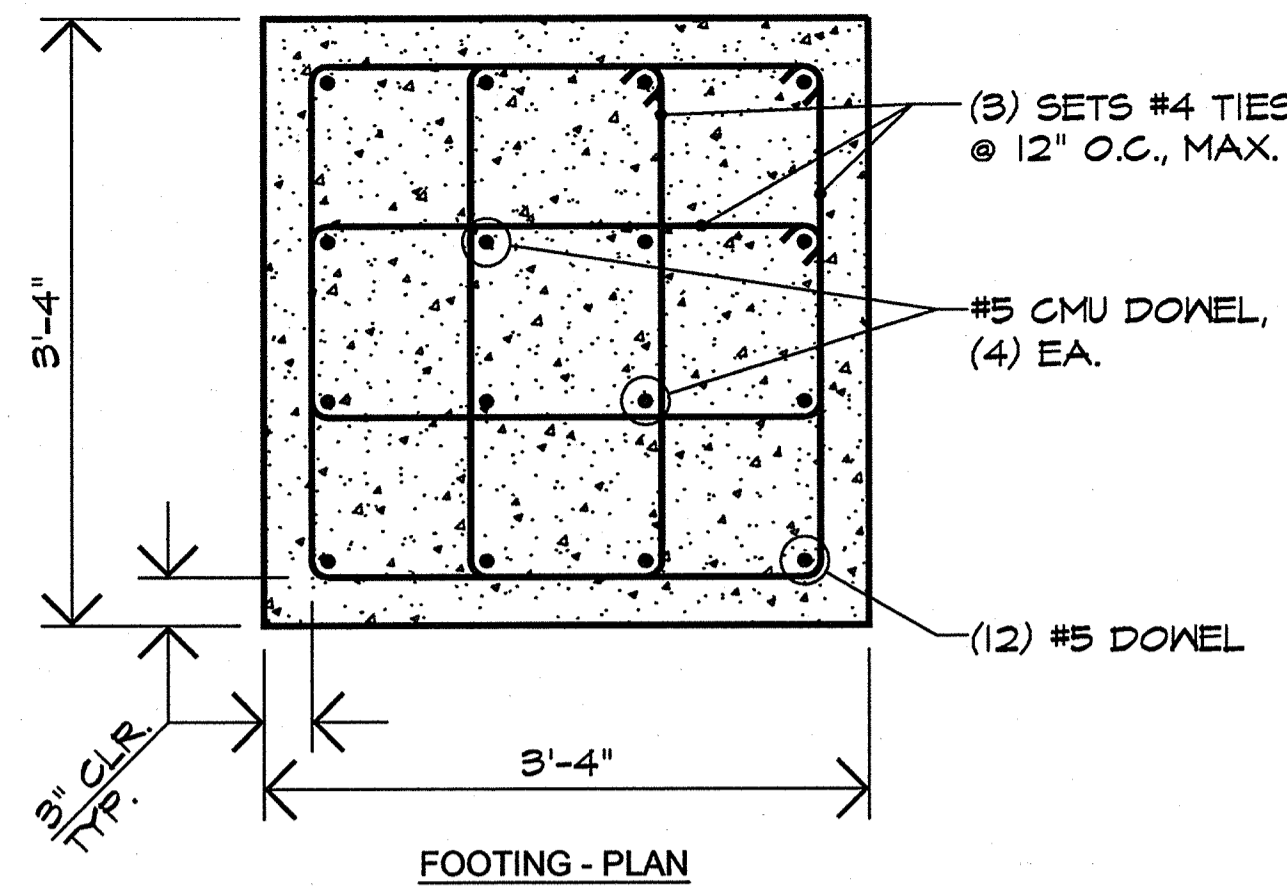
Rivers & Associates, Inc. 38746

March 30, 2015

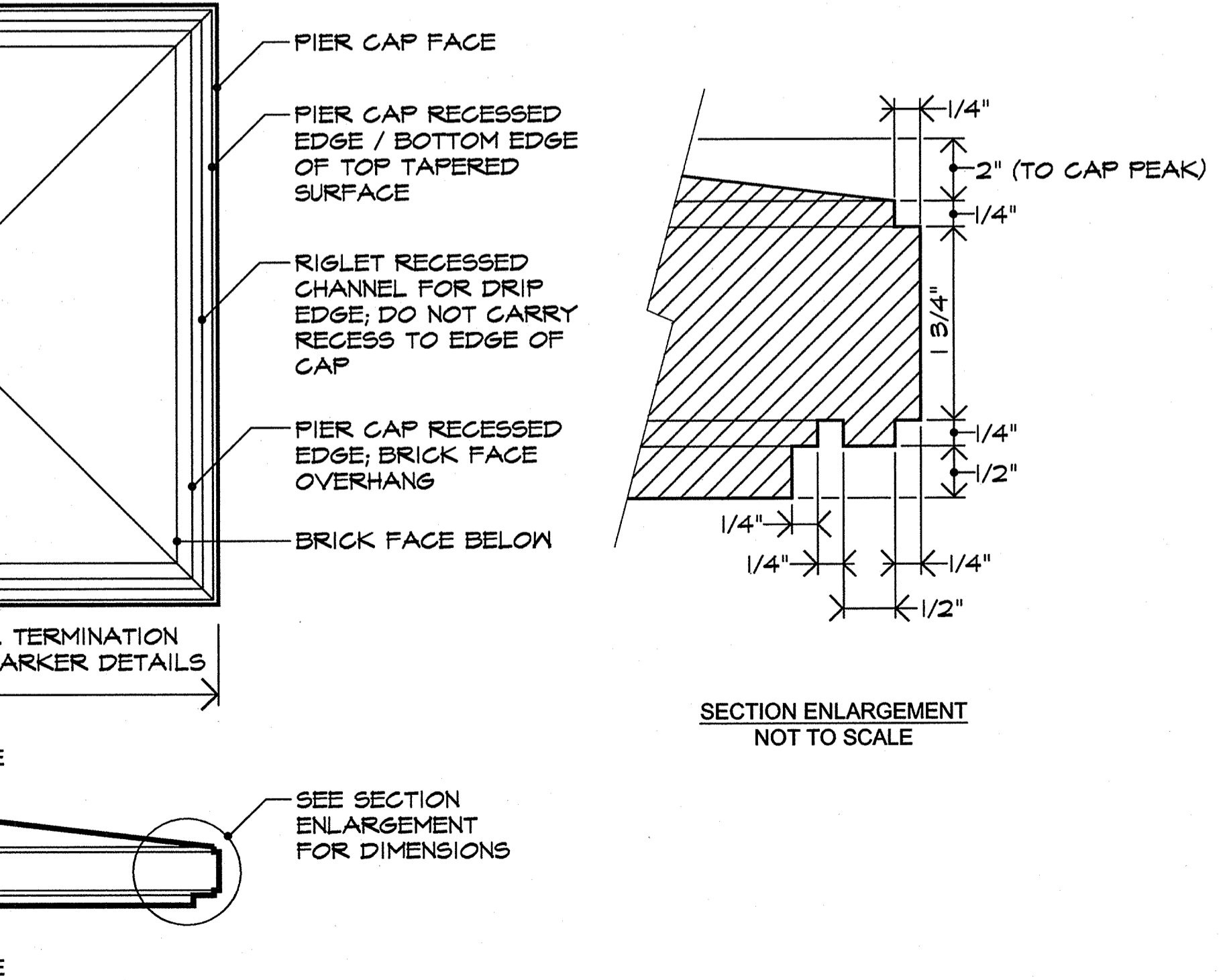
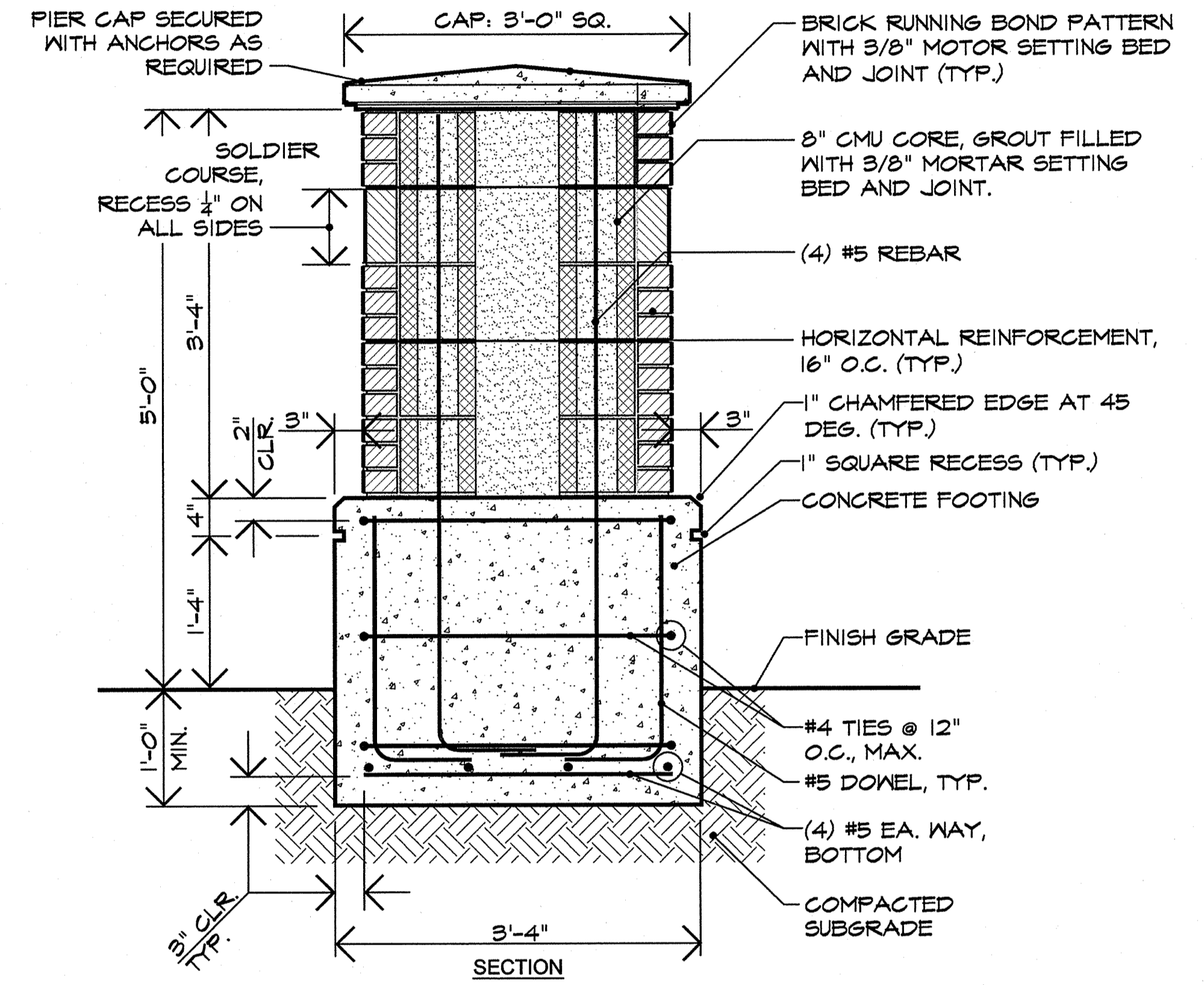
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DESIGN - CHECK JDW  
PROJECT No. 2011107  
DRAWING No. W-3571  
SCALE: AS SHOWN  
SHEET No. OF 22



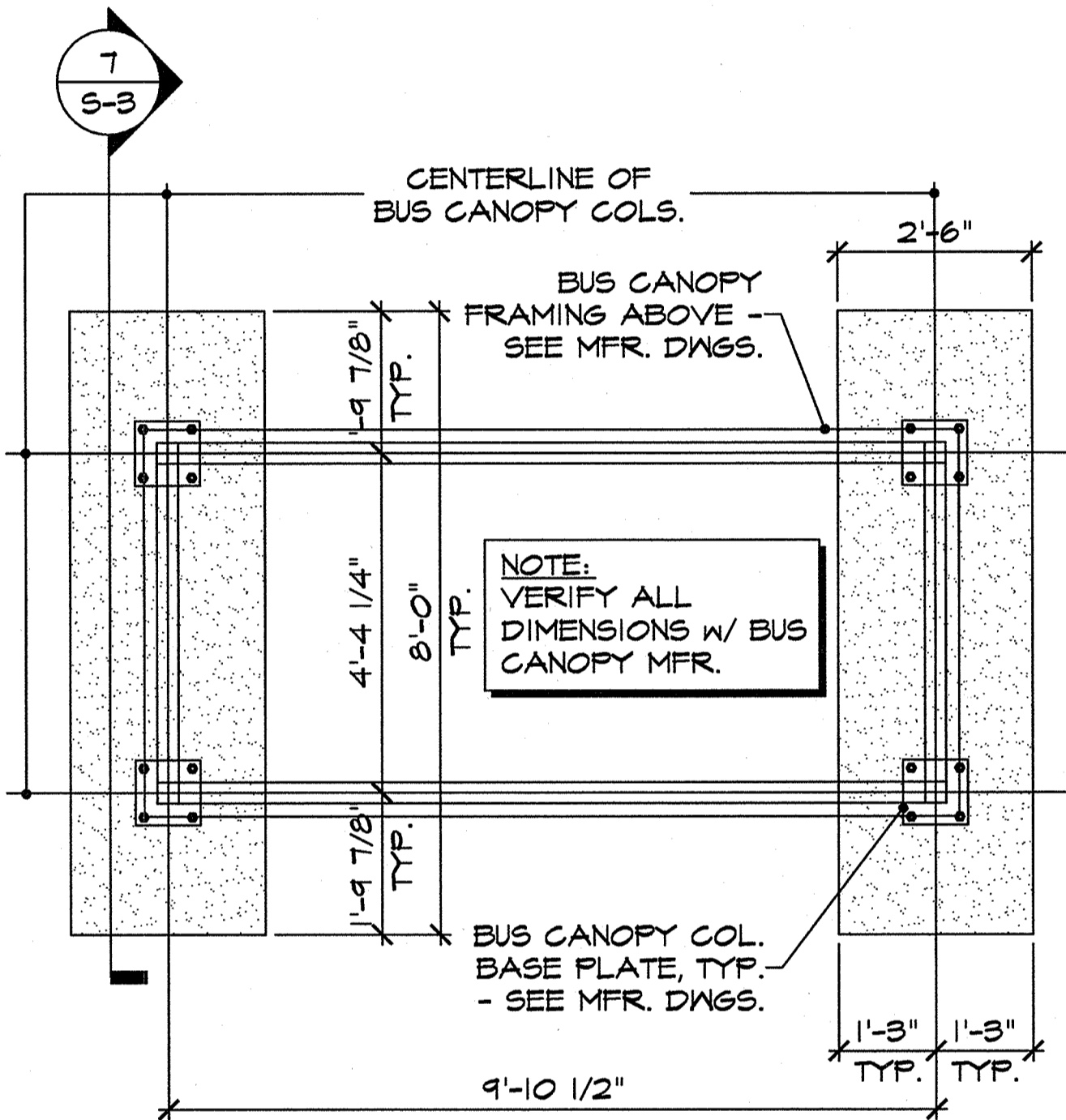
**3** SECTION - ENCLOSED BUS SHELTER FOOTING  
NTS



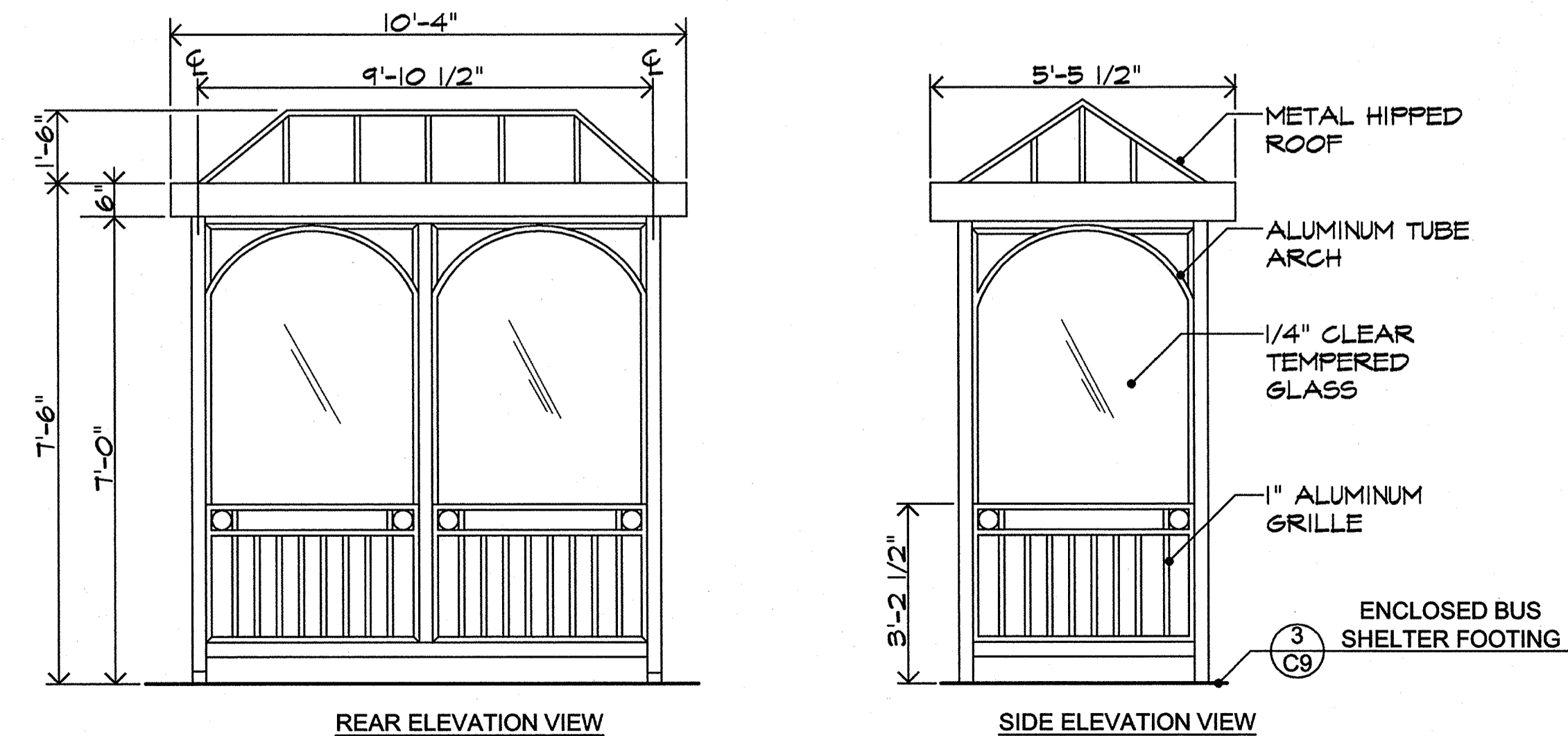
**1** NEIGHBORHOOD MARKER COLUMN  
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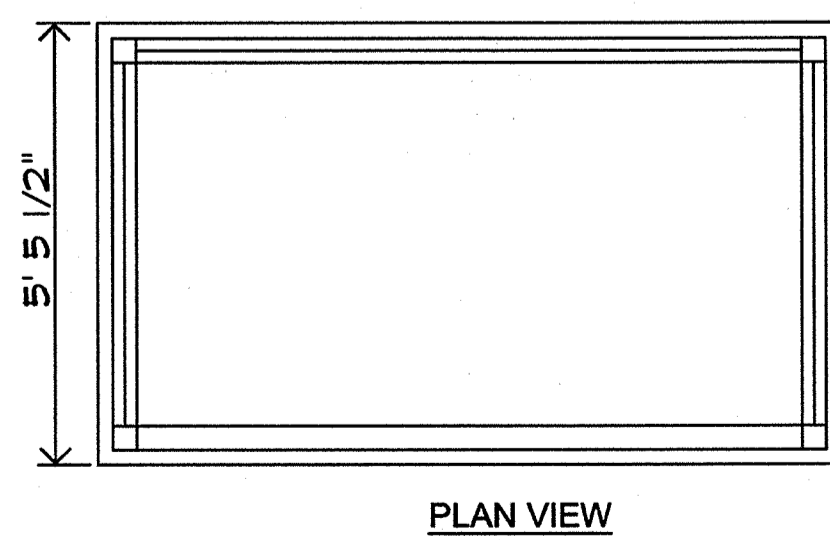
**2** PRECAST CONCRETE CAP  
SCALE: AS SHOWN



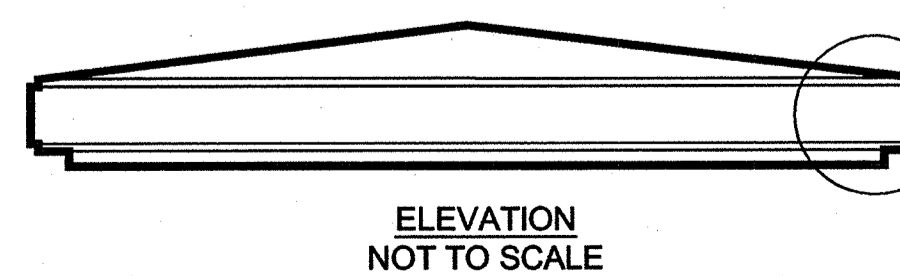
**4** PLAN - ENCLOSED BUS SHELTER  
NTS



**5** ENCLOSED BUS SHELTER  
NTS



PLAN VIEW



ELEVATION NOT TO SCALE

REVISIONS:

REV.	DATE	APPD.	DESCRIPTION

**Greenville**  
NORTH CAROLINA  
find yourself in good company

**DETAILS - NEIGHBORHOOD MARKERS**  
West Fifth Street Gateway Streetscape - Phase 2  
**CITY OF GREENVILLE**  
NORTH CAROLINA  
PITT COUNTY

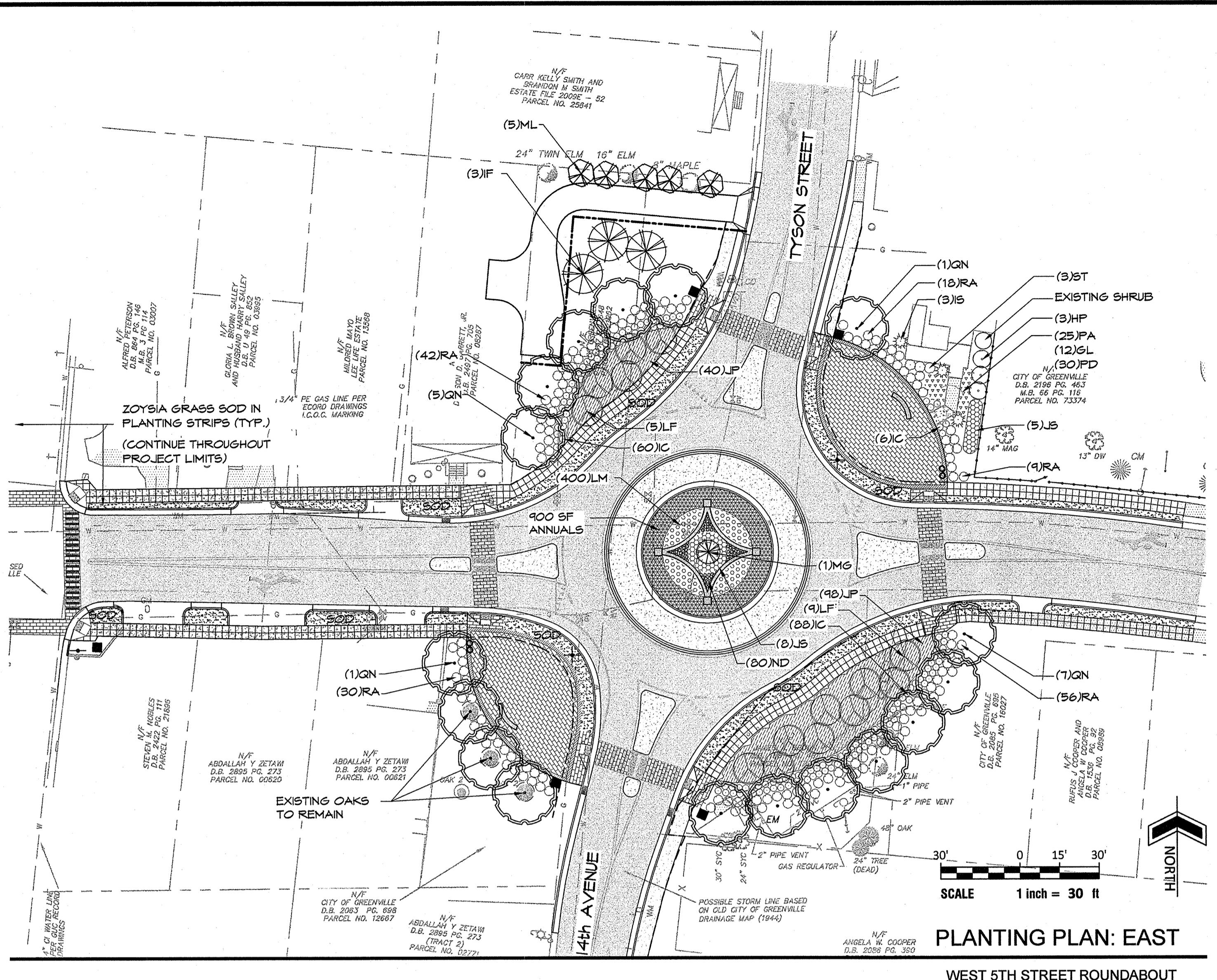
**Rivers**  
& ASSOCIATES, INC.  
Since 1918  
riversandassociates.com  
107 East Second Street  
Greenville, NC 27838  
(252) 752-4135  
Engineers  
Planners  
Surveyors  
Landscape Architects

NC License: F-8824  
SEAL  
38746  
ENGINEER  
JAMES D. WITTELS

March 30, 2015  
SURVEY - DRAFT EW/SR  
DESIGN - CHECK GL/DW  
PROJECT No. 2011107  
DRAWING No. W-3571  
SCALE: AS SHOWN  
SHEET No. OF 22

**C-9**

K:\S\CD\2015 - 25 Street Gateway Streetscape Phase 2.dwg (P:\3571-DETAILS.dwg) CD Detail: D:\RIBB, 30-Nov-15 @ 3:55:03 PM



PLANTING PLAN: EAST  
WEST 5TH STREET ROUNDABOUT

**PLANTING NOTES**

The Contractor shall furnish plant material shown on the drawings, as specified and as indicated on the plant list. The Owner or his authorized representative shall be notified prior to the beginning of planting operations.

**STANDARDS:** All plants shall be in accordance with the American Standard For Nursery Stock, latest edition, published by the American Association of Nurserymen, Inc. with regard to sizing and description.

**QUALITY:** All plants shall be nursery grown and hardy under climatic conditions similar to those in the locality of the project. All plants shall be typical of their species or variety and shall have a normal habit of growth. They shall be sound, healthy and vigorous, well branched and densely foliated when in leaf. They should be free of disease and insect pests, eggs or larvae. They shall have healthy, well-developed root system.

**SUBSTITUTIONS:** When plants of a specified kind or size are not available within a reasonable distance, the contractor may make substitutions upon request, if approved by the Owner. Proposal for substitution of plant material shall be submitted at least 10 days prior to the final bid date for consideration.

**SIZE:** All plants shall conform to all measurements specified on the plant list unless otherwise authorized in writing by the Owner.

**PRUNING:** Each tree and shrub shall be pruned in accordance with American Association of Nurserymen, Inc. standards to preserve the natural character of the plant. All dead wood or suckers and all broken or badly bruised branches shall be removed.

**ROOT SYSTEMS:** Balled & burlapped plants shall be dug with firm natural balls of earth of diameter and depth to include most of the fibrous roots. Container grown stock shall have been grown in a container long enough for the root system to have developed sufficiently to hold its soil together firm and whole. No plants shall be loose in container or ball.

**PROTECTION:** Root balls, trunks, branches and foliage of plants shall be adequately protected at all times from sun and drying wind or frost. Plants with broken root balls or excessive damage to the crown shall be replaced, in kind, prior to installation.

**MULCH:** Immediately following plant installations all tree and shrub planting pits shall be covered with four (4") layer of triple shredded hardwood mulch (non-dyed). The limits of this mulch for deciduous trees and single evergreen trees shall be the area of the pit; for evergreen tree clusters or shrub masses; a mulched bed shall be created.

**ANTI-DESICCANT SPRAY:** Trees and when planted in leaf shall be treated with anti-desiccant spray such as "Wilt-Proof".

**PLANTING MIX:** Before backfilling, the topsoil back fill mixture shall be prepared and mixed to the following proportions:  
Deciduous plants - two parts by volume of topsoil, one part organic compost and five pounds bone meal per cubic yard.  
Evergreen Plants - three parts by volume of topsoil and one part organic compost.  
Fertilizer - to the above mixtures, add three pounds of specified commercial fertilizer for trees up to three (3") inches in caliper and one pound per inch of caliper for larger trees. Shrubs shall be fertilized with six (6) ounces of fertilizer for shrubs four (4'-0") feet and over.

**STAKING & GUYING:** Trees shall be staked and guyed as is detailed on the drawings and according to accepted industry practice.

**LAYOUT:** The contractor shall layout with identifiable stakes, the location of all plants and the arrangement and outlines of planting beds as indicated on the drawings. Prior to any excavation of plant pits or preparation of plant beds, the Owner shall approve the layout of planting. All planting shall be at the locations indicated on the drawings. The Contractor shall be responsible for planting at the correct grades, alignment and layout of planting beds. Minor adjustments to tree locations may be necessary due to field conditions and final grading. The Contractor shall notify the Owner if major adjustments are anticipated.

**ADVERSE CONDITIONS:** The contractor shall notify the Owner in writing of any soil or drainage conditions which the Contractor considers detrimental to plant growth. The documented conditions shall include a proposal for correcting the situation, including any change in cost, for review and acceptance by the Owner.

**QUANTITY:** The quantity of plants in the Plant Schedule is for general reference only. The Contractor shall obtain quantities for pricing by compiling numbers from the plants illustrated on the drawings. Should there be a discrepancy between the drawings and the plant schedule, the quantities illustrated on the drawings shall take precedence.

**GUARANTEE:** The Contractor shall guarantee all plant material for a full year from the date of initial acceptance. It is the Contractor's responsibility to monitor the project during the guarantee period and notify the Owner in writing if problems are occurring or situations developed that appear detrimental to the plant material. Any plant material that is 25% dead or more shall be considered dead and must be replaced at no charge to the Owner. A tree is considered dead when the main leader has died back or there is 25% of the crown dead.

**LANDSCAPE PLANTING MAINTENANCE SERVICE:**

Trees, shrubs, Groundcover, Perennial Flowers, and Mulch Areas shall be maintained by skilled employees of the Landscape Contractor immediately following plant installation for each area and shall continue until plants are acceptably healthy and well established, but not for less than a period of 12-Months from receipt of Certificate of Substantial Completion.

Maintenance shall consist of pruning, watering, weeding, edging, mulching, tightening and repairing guys and stakes, resetting plants to proper grades or upright position, restoring of the planting saucer, furnishing and applying such sprays or other materials as necessary to keep plantings free of insects and diseases, and other horticultural operations necessary for proper growth and appearance and in vigorous condition at end of Maintenance Service Period.

Contractor shall irrigate as required to maintain vigorous and healthy plant growth. Overwatering or flooding shall not be allowed. The contractor shall monitor, adjust, and use irrigation facilities, if available, and furnish any additional material, equipment, or water to ensure adequate irrigation. Root balls of all trees and large shrubs shall be spot watered using handheld hoses during the first four months after planting, as required to ensure adequate water within the root ball.

During periods of restricted water usage, all governmental regulations (permanent and temporary) shall be followed. The contractor may have to transport water from ponds or other sources, at no additional expense to the owner when irrigation systems are unavailable.

Plants that are 25% dead or more shall be considered dead and must be replaced on a quarterly basis at minimum during the Maintenance Service Period.

At the end of the 12-Month Maintenance Service Period the contractor shall remove all beds to an overall depth of 4" and remove guy wires and stakes.

The Contractor shall meet quarterly with the Owner on-site throughout the Maintenance Service Period. Prior to this meeting the Contractor shall submit a quarterly maintenance worksheet to the Owner stating work performed during that quarter, or if none has been required, a notation to that effect.

During the Maintenance Service Period the Contractor shall notify the Owner in writing of physical damage to planting not caused by Contractor stating nature and location of damage. Upon receipt of notice, Owner may order the Contractor to correct damage at Owner's expense or exclude damaged work from Maintenance Service and correct damage by other means.

Upon completion of the Maintenance Service Period the Contractor shall notify the Owner in writing and request a final inspection.

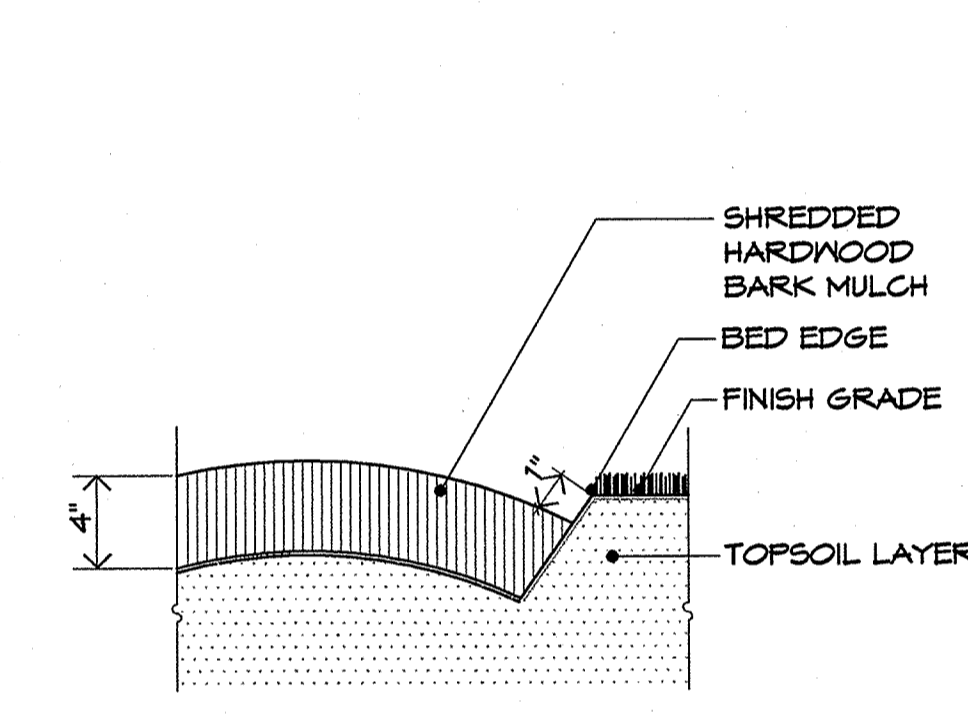
Contractor shall correct deficiencies as a result of final inspection.

Contractor shall be notified in writing by the Owner of final approval.

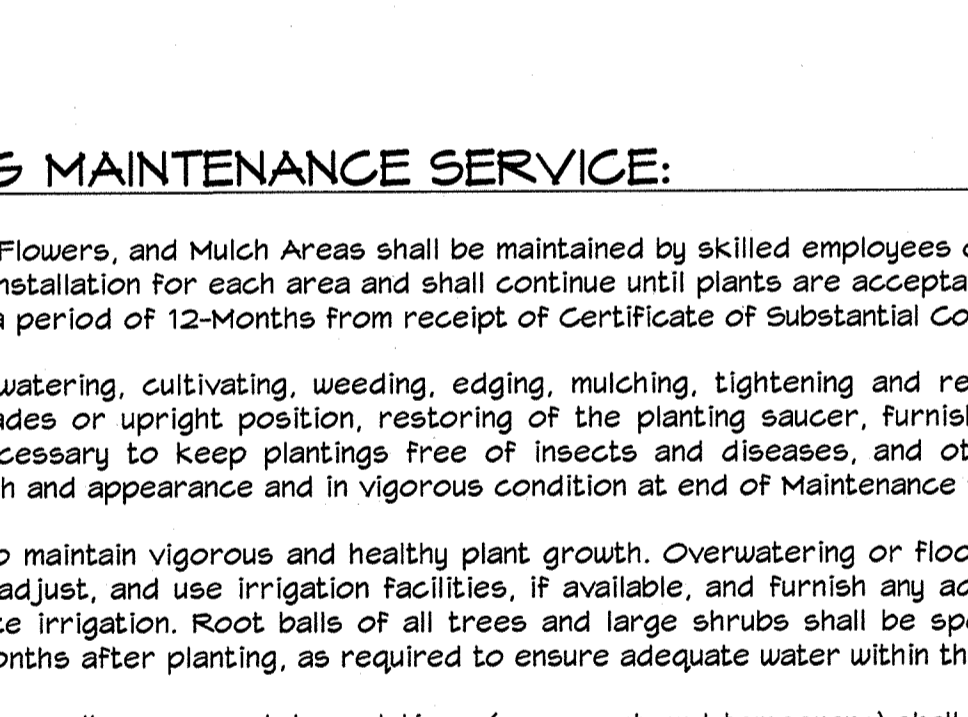
Upon final approval the Owner shall assume maintenance.

Payment of Maintenance Services will be divided evenly into quarterly payments based upon the lump sum Maintenance Service fee and distributed on a quarterly basis following the Contractor's on-site meeting with the Owner, the Owner's receipt of a quarterly maintenance worksheet, and the Owner's receipt of an invoice from the Contractor. If the Maintenance Services are not performed in an acceptable manner, payment will be withheld until work is acceptably completed.

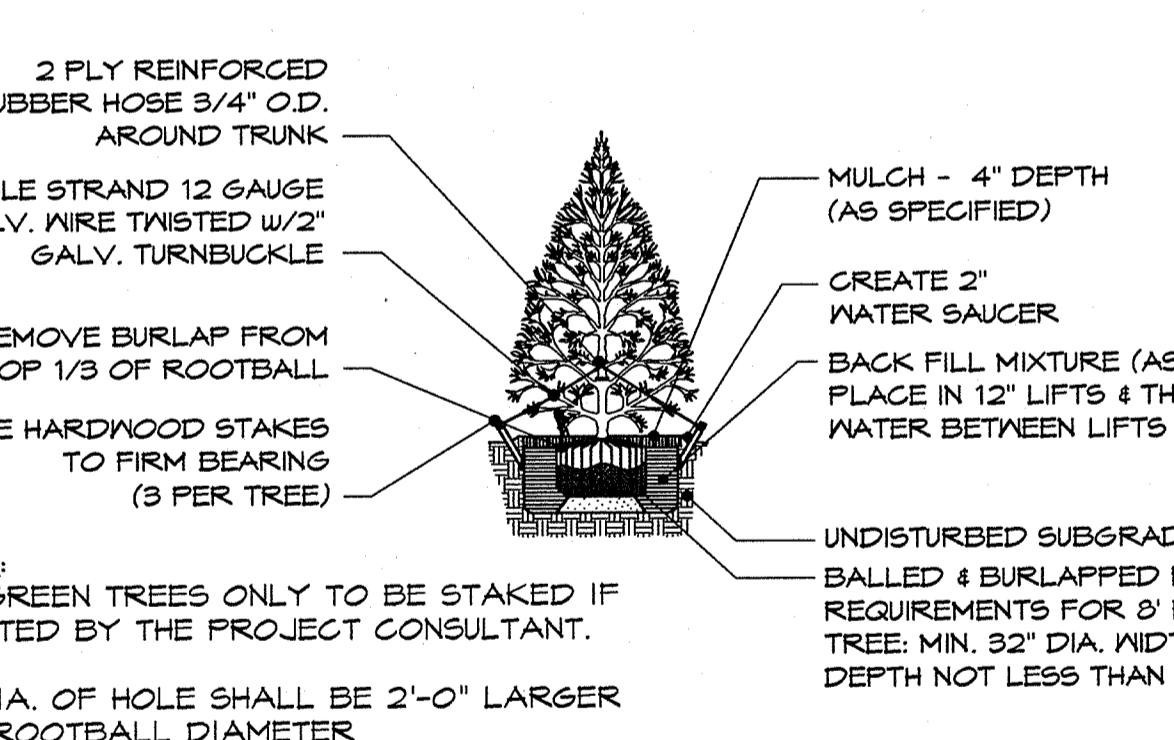
**GROUND COVER PLANTING**  
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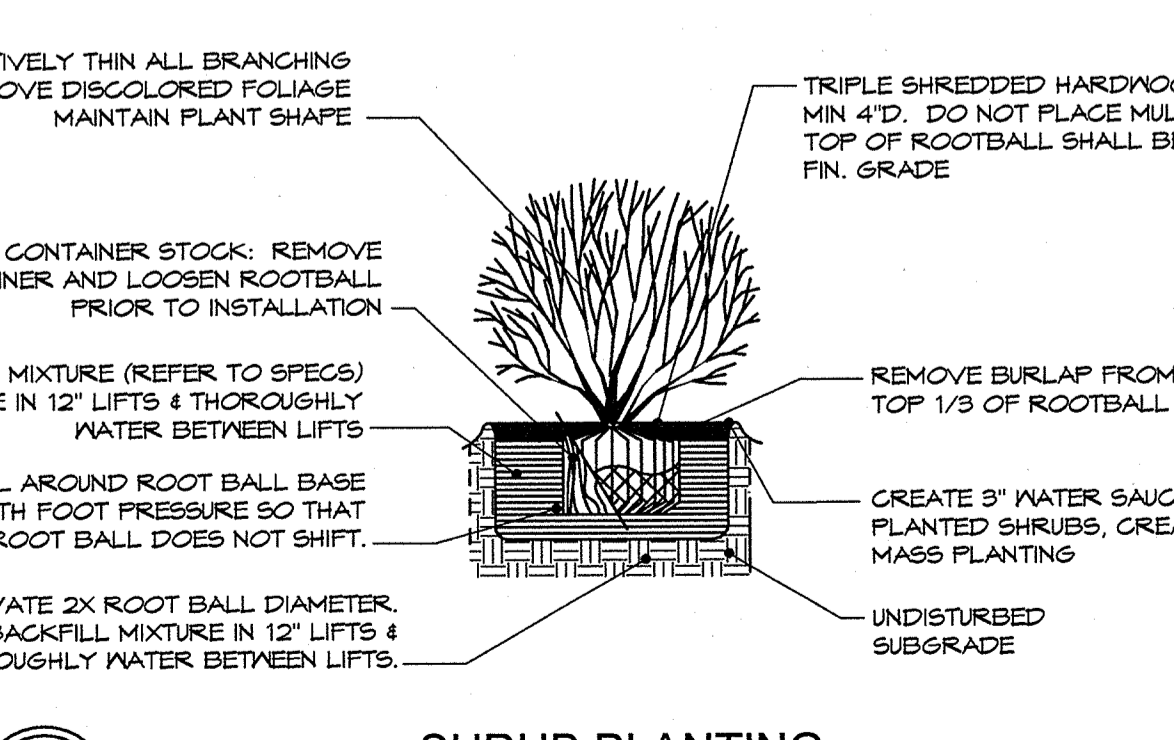
**PLANTING BED EDGE**  
SCALE: N.T.S.



**LARGE AND SMALL TREE PLANTING**  
SCALE: N.T.S.



**SHRUB PLANTING**  
SCALE: N.T.S.



**PLANTING SCHEDULE**

KEY	QUANTITY	BOTANICAL NAME (COMMON NAME)	HEIGHT	SPREAD	CALIPER	ROOT	REMARKS
<b>LARGE TREE</b>							
QN	14	Quercus nuttallii (Nuttall Oak)	12'-14'	6'-7'	3.5"	B&B or Container	Specimen, Symmetrical Head, Single stem, Branches at 5'-6" min.
<b>SMALL TREE</b>							
LF	14	Lagerstroemia x fauriei 'Catauba' (Catauba Crapemyrtle)	8' min.	4' min.	2 1/2"-3"	B&B or Container	Specimen, Symmetrical Head, Multi stem, Branches at 4'-5" min.
<b>EVERGREEN TREE</b>							
IF	3	Ilex x attenuata 'Foster #2' (#2 Fosters Holly)	7'-8'	4'-5'	-	B&B or Container	Symmetrical, Heavy, Semi-sheared, Branching to ground
MG	1	Magnolia grandiflora 'Little Gem' (Little Gem Magnolia)	7'-8'	4'-5'	-	B&B or Container	Symmetrical, Heavy, Semi-sheared, Branching to ground
<b>SHRUBS</b>							
ML	5	Myrica carolinensis 'Little Bull' (Little Bull Southern Waxmyrtle)	30"-36"	24"-36"	-	#7 Cont.	Symmetrical, Heavy, Semi-sheared
RA	15B	Rhododendron 'Autumn Twist' (FP#12193) (Autumn Twist Azalea)	15"-18"	15"-18"	3.5" oc	#7 Cont.	Symmetrical, Heavy, Semi-sheared
IC	154	Ilex crenata 'Soft Touch' (Soft Touch Japanese Holly)	10"-12"	15"-18"	2.5" oc	#3 Cont.	Symmetrical, Heavy, Semi-sheared
HP	3	Hydrangea paniculata 'Limelight' (Limelight Hydrangea)	15"-18"	10"-12"	6" oc	#7 Cont.	Symmetrical, Heavy, Semi-sheared
IS	3	Ilex crenata 'Steads' (Steads Holly)	15" min.	30"	3" oc	#3 Cont.	Symmetrical, Heavy, Semi-sheared
ND	100	Nandina domestica 'Firepower' (Firepower Heavenly Bamboo)	15"-18"	10"-12"	18" oc	#3 Cont.	Symmetrical, Heavy, Semi-sheared
ST	3	Spiraea thunbergii 'Ogon' (Mellow Yellow Spiraea)	15"-18"	15"-18"	3.5" oc	#3 Cont.	Symmetrical, Heavy, Semi-sheared
<b>GROUNDCOVERS/GRASSES/PERENNIALS</b>							
PA	25	Pennisetum alopecuroides 'Cassian' (Cassian Fountain Grass)	-	-	-	#1 Cont.	Plant 24" O.C. (interplant with guara and day lilies)
GL	12	Guara lindheimeri 'Whirling Butterflies' (Whirling Butterflies Wand Flower)	-	-	-	#1 Cont.	Plant 12" O.C. (interplant with fountain grass and day lilies)
PD	30	Hemerocallis 'Purple d'Or' (Purple d'Or Daylily)	-	-	-	#1 Cont.	Plant 15" O.C. (interplant with guara and fountain grass)
LM	400	Liliphe muscari 'Big Blue' (Liliphe)	-	-	-	#1 Cont.	Plant 15" O.C., Full
JF	138	Juniperus procumbens 'Nana' (Japanese Garden Juniper)	-	12" min	-	#3 Cont.	Plant 3.5" O.C.
JS	13	Juniperus chinensis 'Sargentii' (Sargent's Juniper)	-	-	-	#3 Cont.	Plant 5" O.C.

REVISIONS: \_\_\_\_\_ DATE: \_\_\_\_\_

DESCRIPTION: \_\_\_\_\_

REV: \_\_\_\_\_

**Greenville**  
NORTH CAROLINA  
find yourself in good company

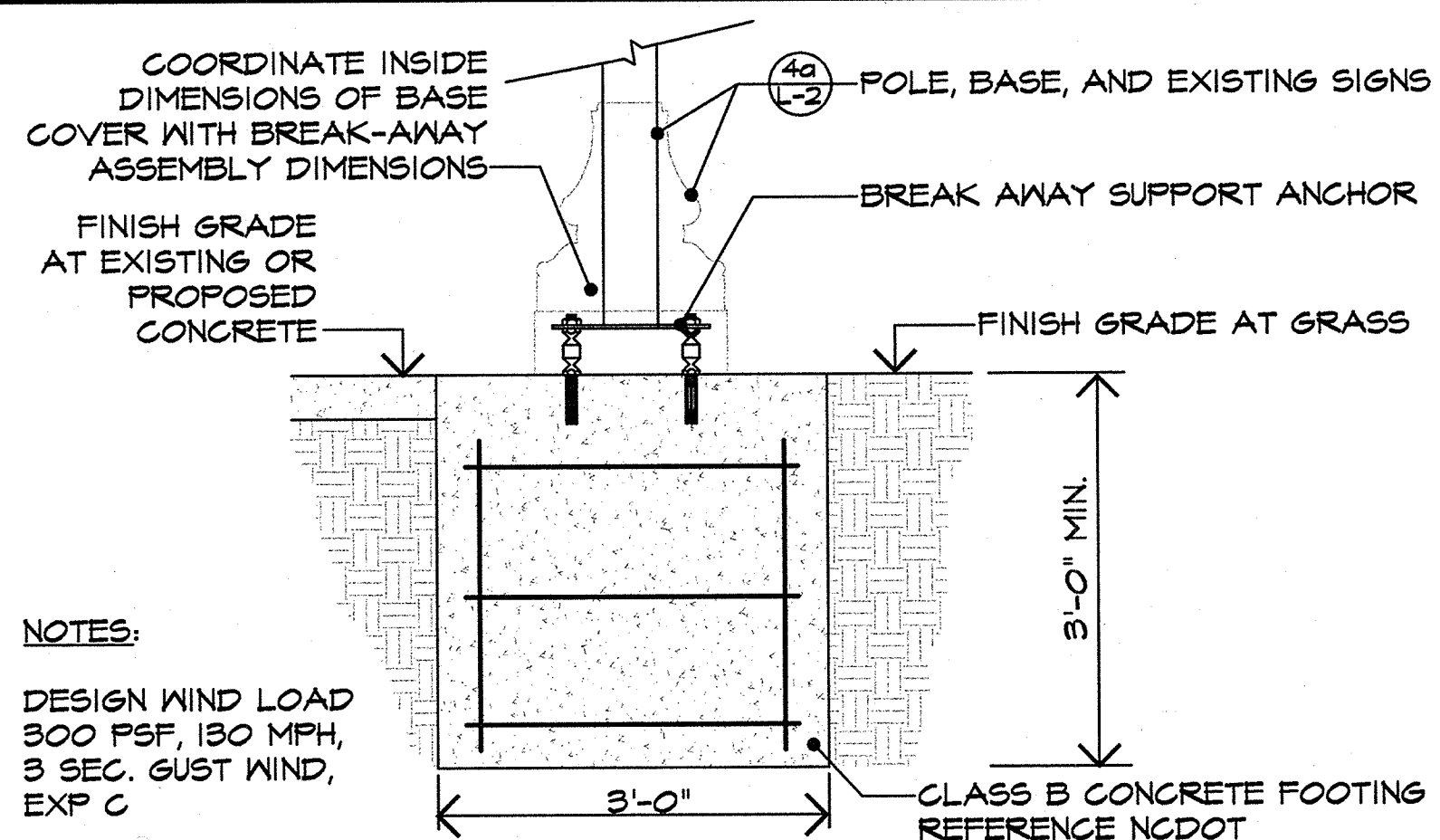
**PLANTING PLAN**  
West Fifth Street Gateway Streetscape - Phase 2  
**CITY OF GREENVILLE**  
PITT COUNTY NORTH CAROLINA

**Rivers**  
INC. LICENSE: F-6234  
& ASSOCIATES, INC.  
SINCE 1918  
riversandassociates.com  
107 East Second Street  
Greenville, NC 27608  
(252) 752-4135  
Engineers  
Surveyors  
Landscape Architects

March 30, 2015

SURVEY: - DRAFT EW/SR  
DESIGN: GL/SR CHECK: GL  
PROJECT No: 2011107  
DRAWING No: W-3571  
SCALE: AS SHOWN  
SHEET No: OF 22

**L-1**



**NOTES:**

DESIGN WIND LOAD  
300 PSF, 130 MPH,  
3 SEC. GUST WIND,  
EXP C

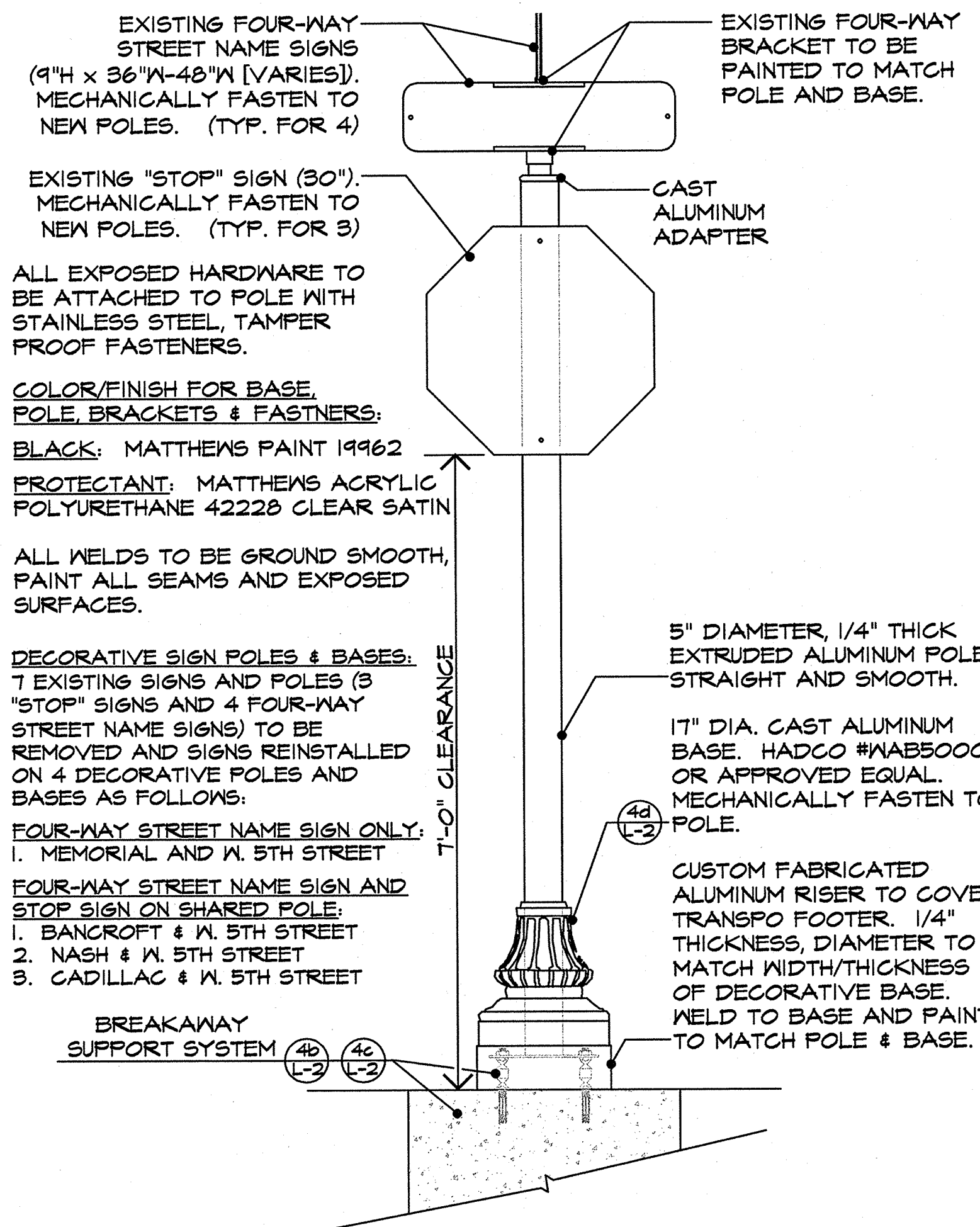
SUBMIT SHOP DRAWINGS FOR EACH OF THE BREAKAWAY POLES IDENTIFIED INCLUDING BASE AND CONCRETE DESIGN. SHOP DRAWINGS TO BE SIGNED AND SEALED BY A NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER.

SIGNS SHALL BE LOCATED BY THE CITY ENGINEER OF THE CITY OF GREENVILLE, NC.

MATERIALS, PATTERNS, DIMENSIONS AND QUALITY OF WORKMANSHIP SHALL CONFORM TO DIVISION 12 OF THE 2006 NCDOT STANDARD SPECIFICATIONS FOR ROADS & STRUCTURES AND THE 2006 NCDOT ROADWAY STANDARD DRAWINGS OR LATEST EDITIONS AND THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

BREAKAWAY SUPPORT MUST MEET "AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS" AND BE FHWA APPROVED IN ACCORDANCE WITH NCHRP REPORT 350 "RECOMMENDED PROCEDURES FOR THE SAFETY AND PERFORMANCE EVALUATION OF HIGHWAY FEATURES".

**4b** DECORATIVE SIGN POLES FOR EXISTING STOP & STREET NAME SIGNS: BREAKAWAY SUPPORT & FOUNDATION  
SCALE: N.T.S



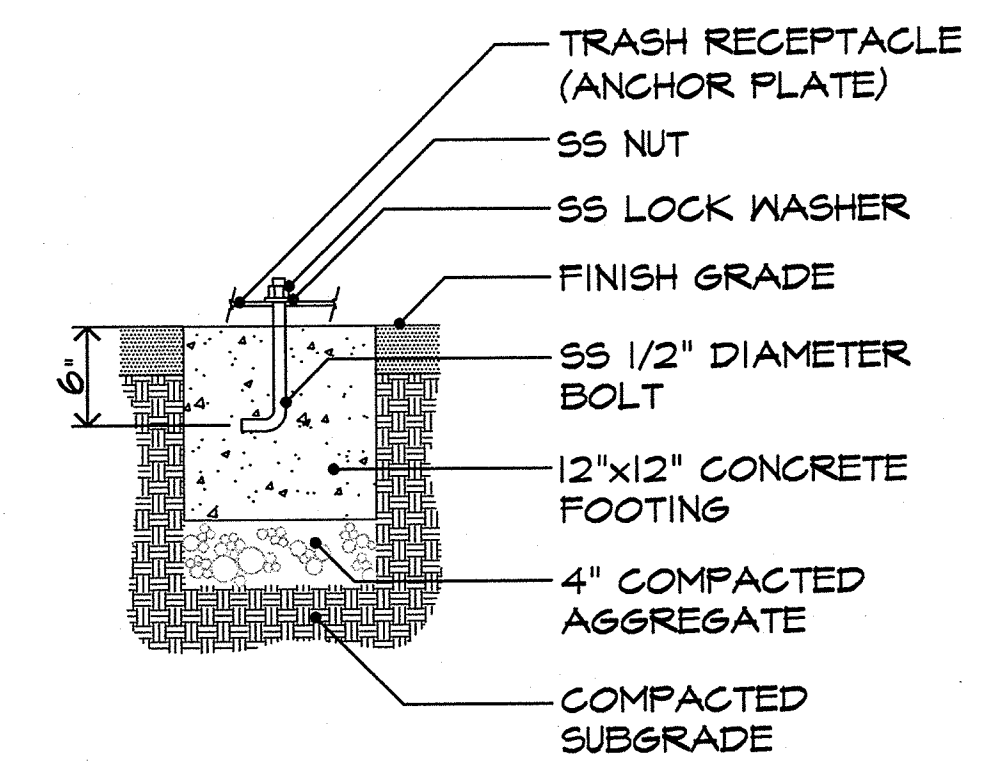
ALL EXPOSED HARDWARE TO BE ATTACHED TO POLE WITH STAINLESS STEEL, TAMPER PROOF FASTENERS.

**COLOR/FINISH FOR BASE, POLE, BRACKETS & FASTENERS:**  
BLACK: MATTHEWS PAINT 19962  
PROTECTANT: MATTHEWS ACRYLIC POLYURETHANE 42228 CLEAR SATIN

ALL WELDS TO BE GROUND SMOOTH, PAINT ALL SEAMS AND EXPOSED SURFACES.

**DECORATIVE SIGN POLES & BASES:**  
7 EXISTING SIGNS AND POLES (3 "STOP" SIGNS AND 4 FOUR-WAY STREET NAME SIGNS) TO BE REMOVED AND SIGNS REINSTALLED ON 4 DECORATIVE POLES AND BASES AS FOLLOWS:  
**FOUR-WAY STREET NAME SIGN ONLY:**  
1. MEMORIAL AND W. 5TH STREET  
**FOUR-WAY STREET NAME SIGN AND STOP SIGN ON SHARED POLE:**  
1. BANGROFT & W. 5TH STREET  
2. NASH & W. 5TH STREET  
3. CADILLAC & W. 5TH STREET

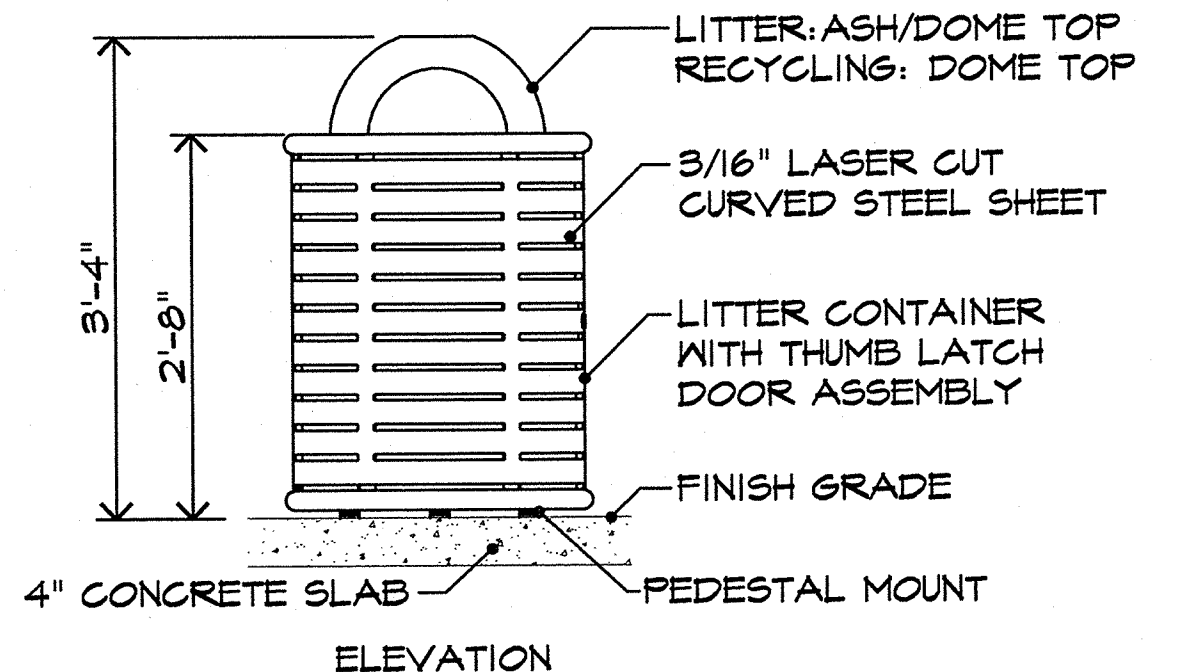
**4a** DECORATIVE SIGN POLES FOR EXISTING STOP & STREET NAME SIGNS  
SCALE: N.T.S



**1** TRASH RECEPTACLE ANCHOR  
SCALE: 1" = 1'-0"

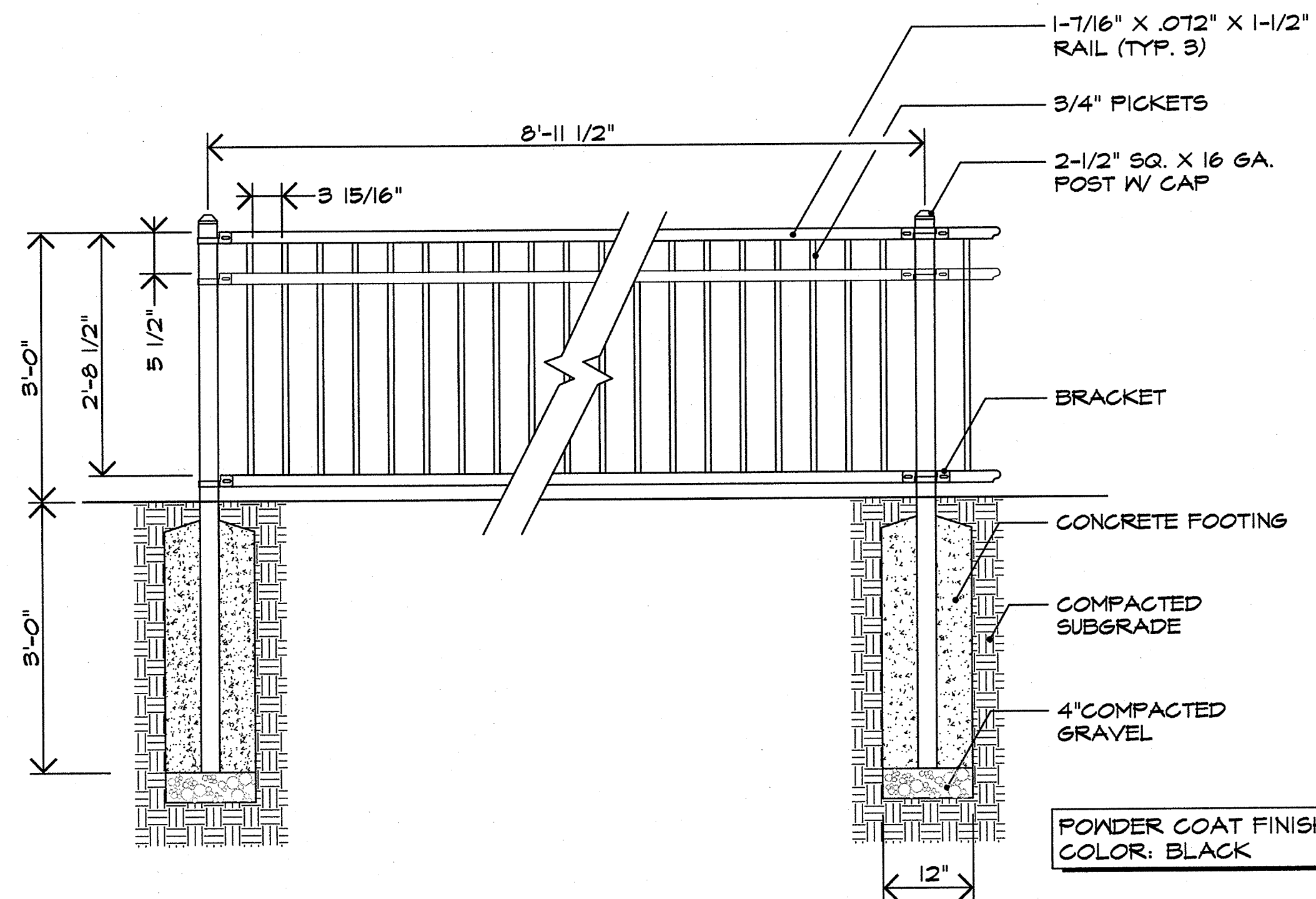


LITTER RECEPTACLE TO BE PROVIDED BY COLUMBIA CASCADE CO.  
MODEL#: TIMBERFORM BROADWAY SERIES #2629-AT-P



RECYCLING RECEPTACLE TO BE PROVIDED BY COLUMBIA CASCADE CO.  
MODEL#: TIMBERFORM BROADWAY SERIES #2629-DT-P

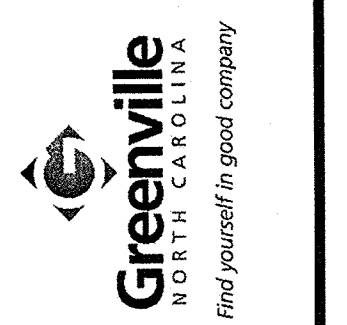
**2** RECYCLING/ LITTER RECEPTACLE  
SCALE: 3/4" = 1'-0"



**3** DECORATIVE FENCE  
SCALE: 3/4" = 1'-0"

REVISIONS:

NO.	DATE	DESCRIPTION

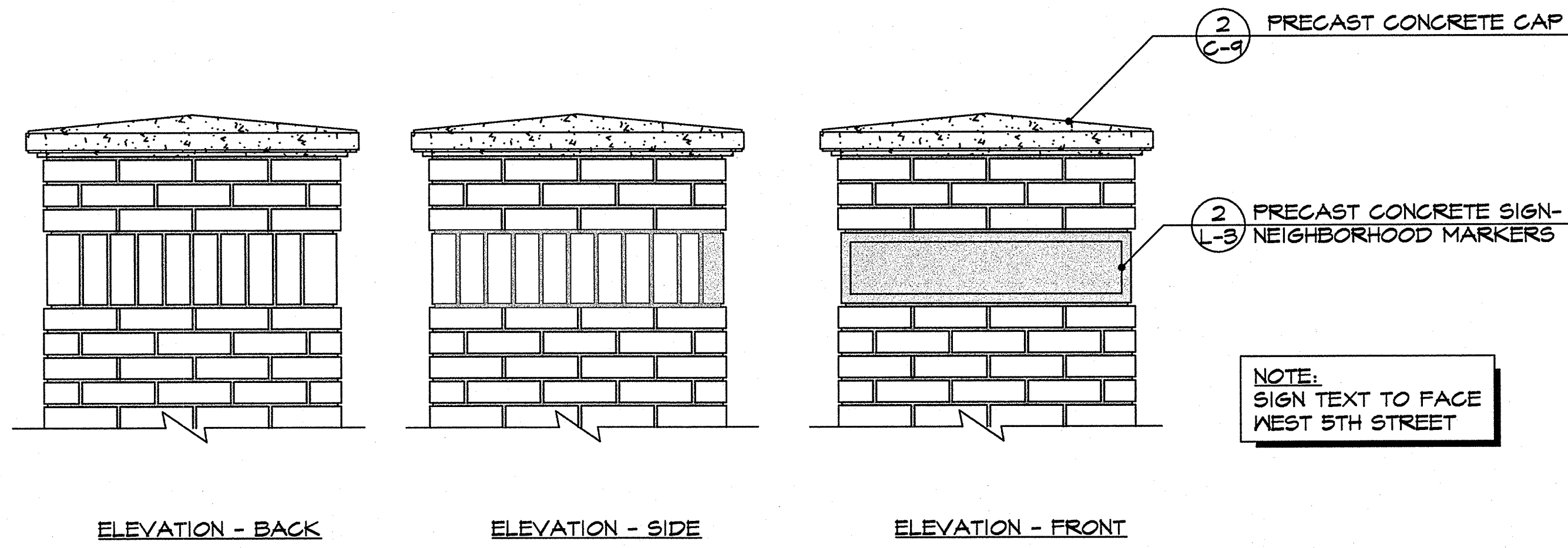


**DETAILS - LANDSCAPE**  
West Fifth Street Gateway Streetscape - Phase 2  
**CITY OF GREENVILLE**  
NORTH CAROLINA  
PITT COUNTY

**Rivers & Associates, Inc.**  
LANDSCAPE ARCHITECTS  
107 East Second Street  
Greenville, NC 27605  
(252) 752-4135



March 30, 2015  
SURVEY - DRAFT EW/SR  
DESIGN - CHECK GL/DW  
PROJECT No. 2011107  
DRAWING No. W-3571  
SCALE: AS SHOWN  
SHEET No. OF 22



ELEVATION - BACK

ELEVATION - SIDE

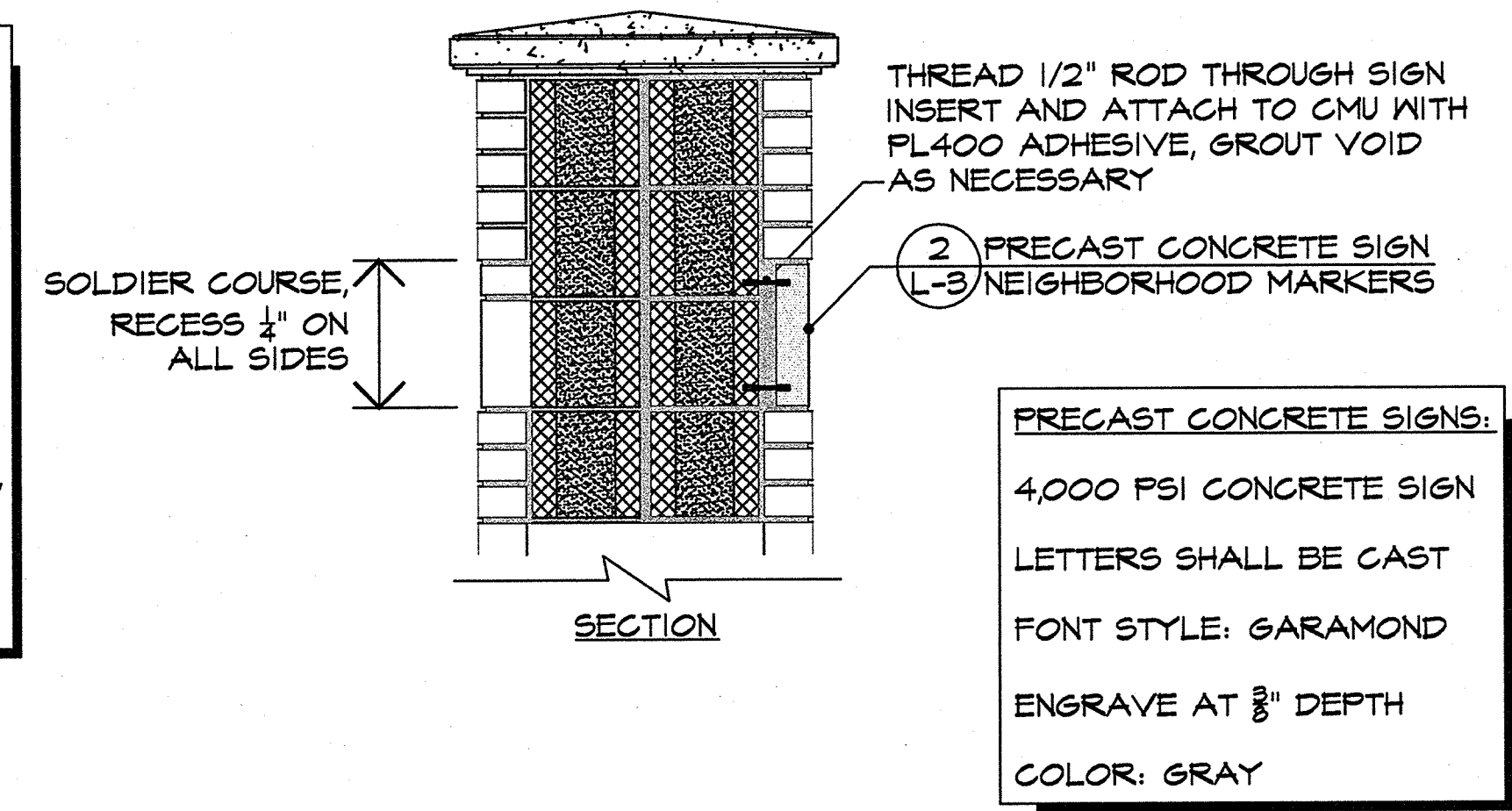
ELEVATION - FRONT

3

NEIGHBORHOOD MARKER SIGN / COLUMN

SCALE: N.T.S

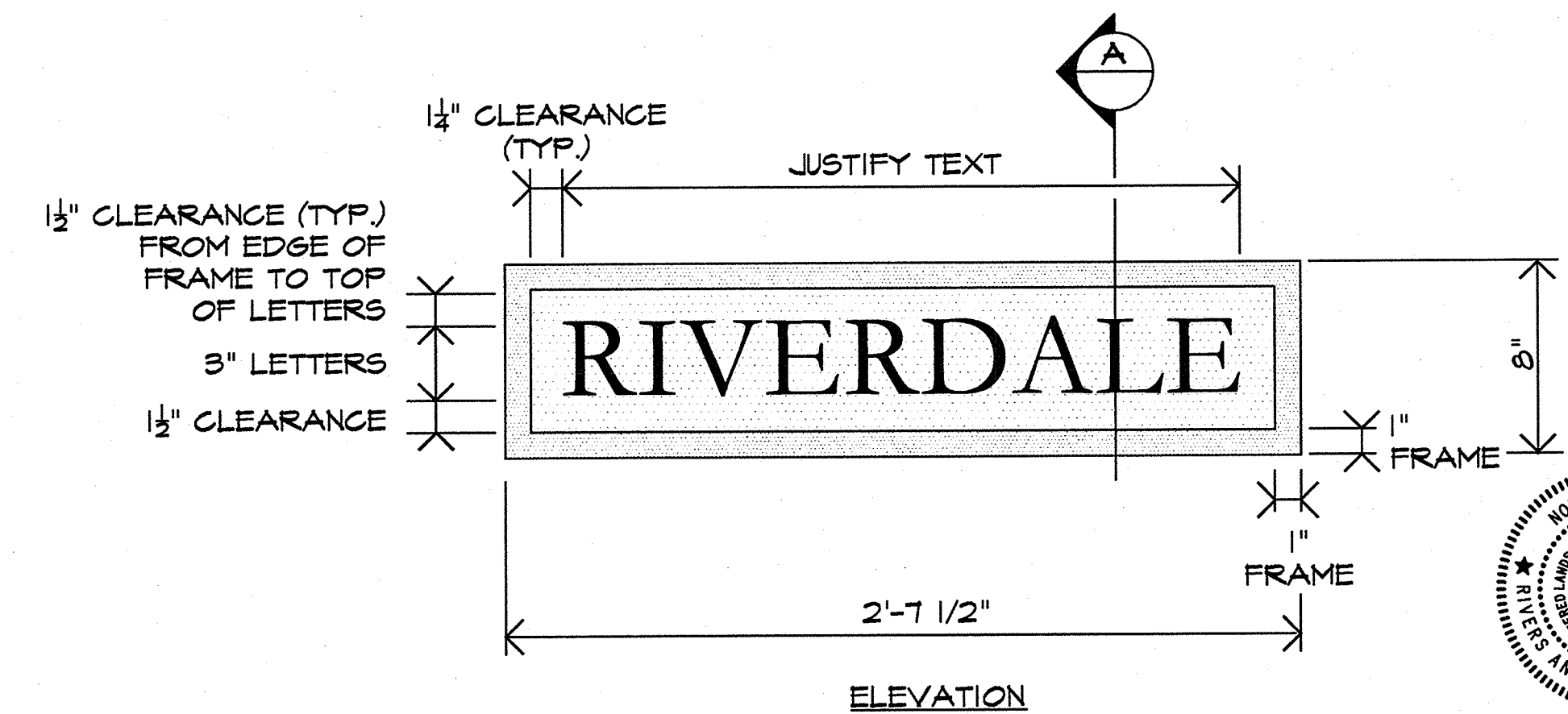
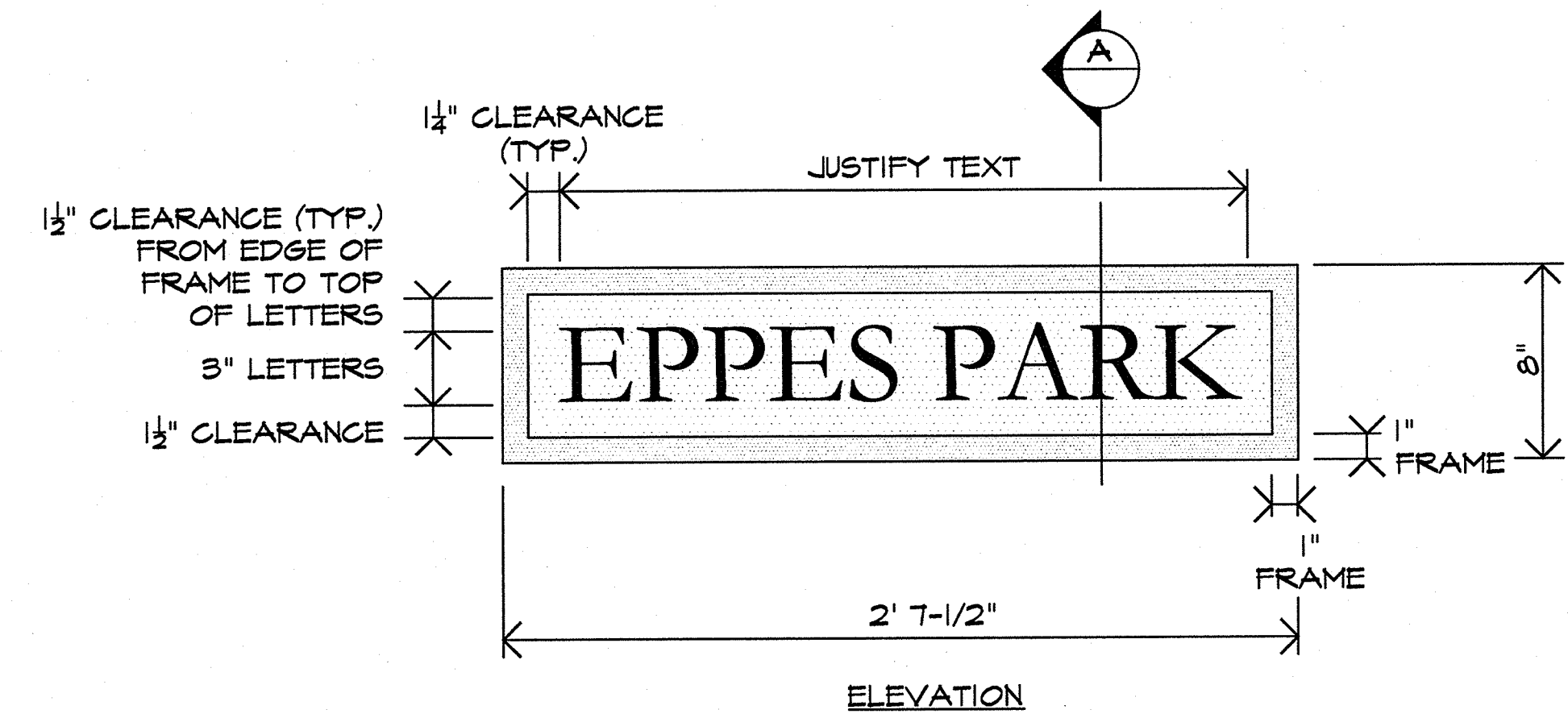
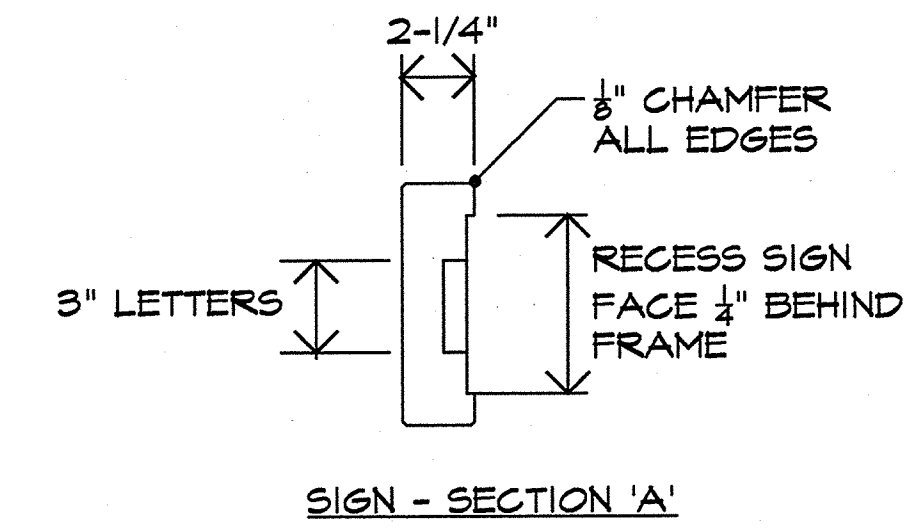
NOTE:  
PROVIDE SHOP DRAWINGS OF SIGN AND BRICK COLUMN LAYOUT FOR APPROVAL BY OWNER.  
SEE SHEET S-1 FOR COLUMN DETAILS.  
SEE DETAILS 2, 3, 4, 5 ON THIS SHEET FOR SIGN DESIGN AND BRICK LAYOUT.



1

GATEWAY & NEIGHBORHOOD MARKER SIGN AND BRICK LAYOUT

SCALE: N.T.S

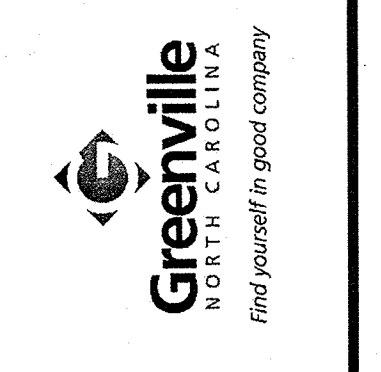


2

PRECAST CONCRETE SIGN-NEIGHBORHOOD MARKERS

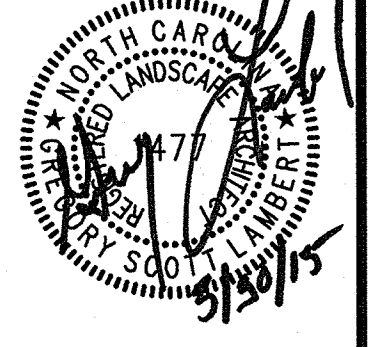
SCALE: N.T.S

REVISIONS:	DATE	APPD	DESCRIPTION	REV.



DETAILS - LANDSCAPE  
West Fifth Street Gateway Streetscape - Phase 2  
**CITY OF GREENVILLE**  
PITT COUNTY NORTH CAROLINA

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March 30, 2015  
SURVEY - DRAFT EW/SR  
DESIGN - CHECK GL/DW  
PROJECT No. 2011107  
DRAWING No. W-3571  
SCALE: AS SHOWN  
SHEET No. OF 22

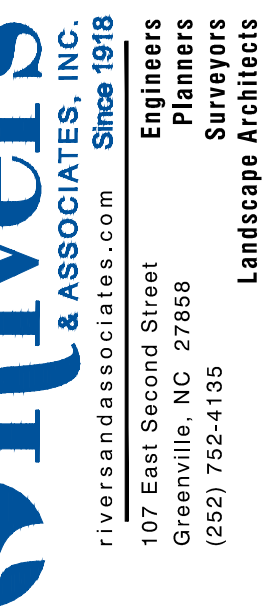
**L-3**

K:\Surrey\2015\05 West Fifth Street Gateway Streetscape\Phase 2\Details\LANDSCAPE\DETAILS.dwg, L3 Details, Landscape, 03/30/15 @ 3:41:10 PM

NO.	DATE	DESCRIPTION

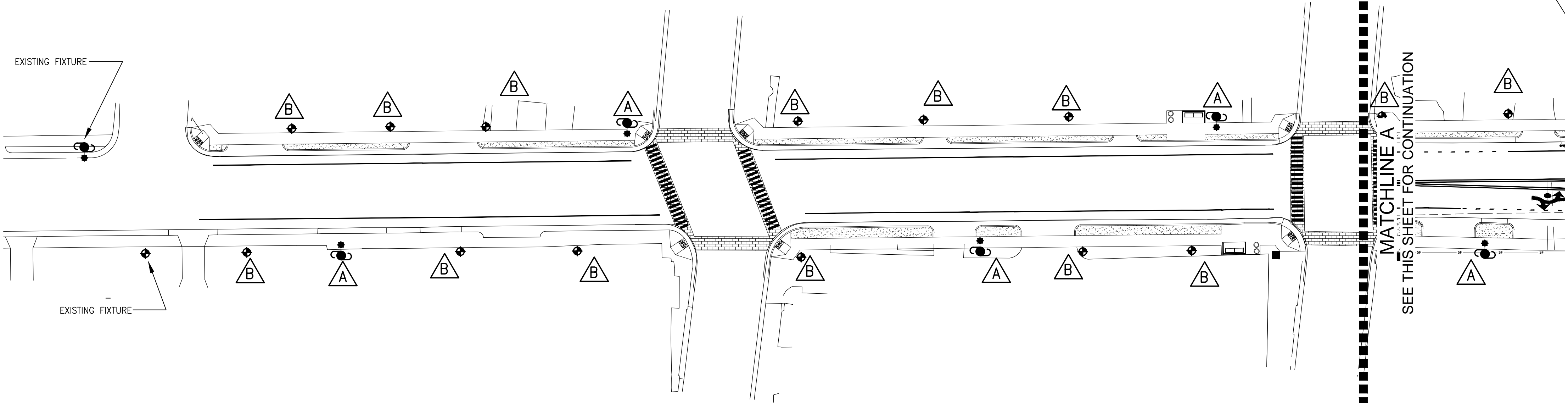


**SITE PLAN - ELECTRICAL**  
**West Fifth Street Gateway Streetscape - Phase 2**  
**CITY OF GREENVILLE**  
 NORTH CAROLINA  
 PITT COUNTY



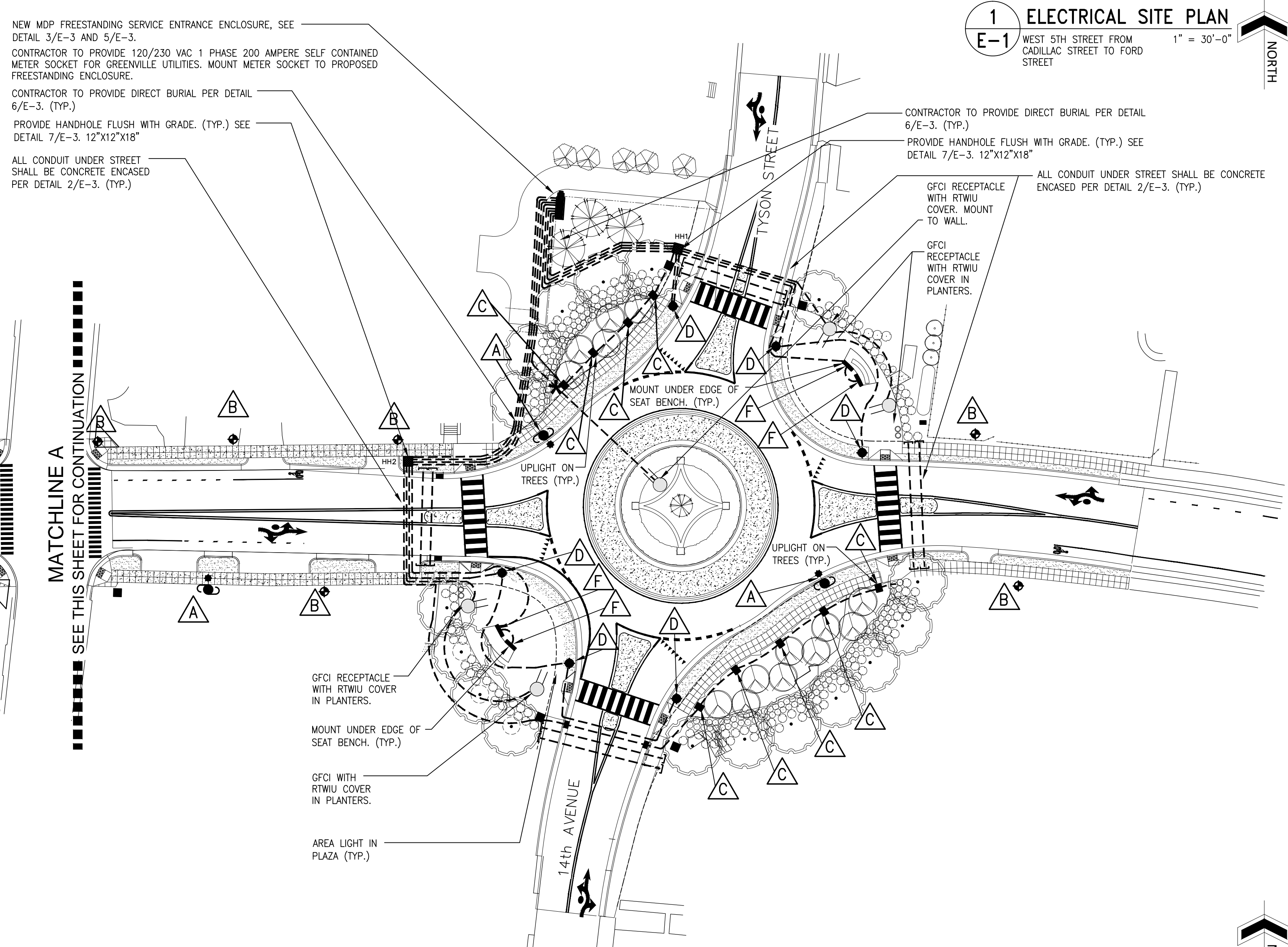
SURVEY	DRAFT: WAW
DESIGN: REP	CHECK: REP
PROJECT No.	<b>2011107</b>
DRAWING No.	<b>W-3571</b>
SCALE: AS SHOWN	
SHEET No.	E-1 OF 3

**E-1**



- GENERAL ELECTRICAL NOTES**
- ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, OSHA, NATIONAL ELECTRIC SAFETY CODE AND ALL APPLICABLE LOCAL STATE CODES.
  - ALL UNDERGROUND LIGHTING CONDUIT NOT UNDER STREETS SHALL BE DIRECT BURIAL SCHEDULE 40 PVC. 30" MINIMUM BELOW GRADE TO TOP OF CONDUIT. SEE DETAIL 6/E-3. ALL CONDUIT UNDER ROADWAYS SHALL BE SCHEDULE 80 PVC CONCRETE ENCASED PER DETAIL 2/E-3.
  - ALL EXPOSED CONDUITS EXTERIOR ABOVE GRADE SHALL BE RIGID GALVANIZED STEEL. INTERIOR CONDUIT SHALL BE EMT OR FLEXIBLE METAL CONDUIT. ALL GENERAL PURPOSE SURFACE JUNCTION BOXES SHALL BE CAST METAL UNLESS NOTED OTHERWISE.
  - REFER TO CIVIL ENGINEERING DRAWINGS FOR EXACT DIMENSIONS.
  - PROVIDE DRIVEN GROUND ROD AT EACH POLE. INTERCONNECT DRIVEN GROUND TO PEDESTAL REBAR & ANCHOR BOLTS. INTERCONNECT REBAR TO POLE. GROUNDING LUG. PROVIDE EXOTHERMIC WELDS FOR GROUND ROD INTERCONNECTION.
  - COORDINATE LUG SIZES FOR ALL PANELBOARDS WITH CONDUIT AND CABLE SCHEDULE.
  - PROVIDE EMPTY SPARE CONDUITS PER SCHEDULE FOR FUTURE. PROVIDE PULL STRING & USE COUPLING & PLUG TO CAP.
  - NEW ELECTRICAL SERVICE ENTRANCE SHALL BE PROVIDED BY THE GREENVILLE UTILITY COMMISSION. CONTRACTOR SHALL COORDINATE WITH THE GREENVILLE UTILITY COMMISSION & PAY ANY GREENVILLE UTILITY COMMISSION CHARGES. COORDINATE WITH MR. CHRIS COREY AT 252-551-1586.
  - PROVIDE FOR A 12"x12"x18" WITHOUT BOTTOM QUARTZITE JUNCTION BOX FLUSH WITH GRADE AS INDICATED. ROUTE NEW WIRING INTO HANDHOLE VIA BELOW GRADE JUNCTION BOX.

**1 ELECTRICAL SITE PLAN**  
 WEST 5TH STREET FROM CADILLAC STREET TO FORD STREET  
 1" = 30'-0"



NEW MDP FREESTANDING SERVICE ENTRANCE ENCLOSURE, SEE DETAIL 3/E-3 AND 5/E-3.  
 CONTRACTOR TO PROVIDE 120/230 VAC 1 PHASE 200 AMPERE SELF CONTAINED METER SOCKET FOR GREENVILLE UTILITIES. MOUNT METER SOCKET TO PROPOSED FREESTANDING ENCLOSURE.  
 CONTRACTOR TO PROVIDE DIRECT BURIAL PER DETAIL 6/E-3. (TYP.)  
 PROVIDE HANDHOLE FLUSH WITH GRADE. (TYP.) SEE DETAIL 7/E-3. 12"x12"x18"  
 ALL CONDUIT UNDER STREET SHALL BE CONCRETE ENCASED PER DETAIL 2/E-3. (TYP.)

CONTRACTOR TO PROVIDE DIRECT BURIAL PER DETAIL 6/E-3. (TYP.)  
 PROVIDE HANDHOLE FLUSH WITH GRADE. (TYP.) SEE DETAIL 7/E-3. 12"x12"x18"  
 ALL CONDUIT UNDER STREET SHALL BE CONCRETE ENCASED PER DETAIL 2/E-3. (TYP.)  
 GFCI RECEPTACLE WITH RTWIU COVER. MOUNT TO WALL.  
 GFCI RECEPTACLE WITH RTWIU COVER IN PLANTERS.

MOUNT UNDER EDGE OF SEAT BENCH. (TYP.)  
 UPLIGHT ON TREES (TYP.)  
 GFCI RECEPTACLE WITH RTWIU COVER IN PLANTERS.  
 MOUNT UNDER EDGE OF SEAT BENCH. (TYP.)  
 GFCI WITH RTWIU COVER IN PLANTERS.  
 AREA LIGHT IN PLAZA (TYP.)

**ELECTRICAL LEGEND**

---	DIRECT BURIAL UNDERGROUND CONDUIT & WIRE	— —	CIRCUIT BREAKER
—	NEW CONDUIT & WIRE	— —	CIRCUIT HOME RUN W/ ONE UNGROUNDED ONE NEUTRAL & ONE GROUNDING CONDUCTOR
▭	EXISTING EQUIPMENT	— —	SAFETY SWITCH
▨	NEW EQUIPMENT	— —	NEW STARTER DISCONNECT
▩	EXISTING EQUIPMENT TO BE REMOVED	— —	JUNCTION BOX
▧	WORK AREA	— —	EXISTING CONDUIT & WIRE TO BE REMOVED
▦	EXISTING EQUIPMENT TO BE RELOCATED	— —	L.S.O.S.
---	NEW WIRE AND CONDUIT	— —	LINE SIDE OF LOCAL SWITCH
---	EXISTING WIRE AND CONDUIT	— —	LIGHT
1	CONDUIT AND CABLE IDENTIFICATION	— —	MOTOR
△	LIGHTING FIXTURE IDENTIFICATION	— —	GROUND
△	EXISTING POLE MOUNTED TRANSFORMER	— —	G.C.
WP	RECEPTACLE	— —	GENERAL CONTRACTOR
GFCI	RECEPTACLE - WEATHERPROOF GROUND FAULT INTERRUPTING	— —	E.C.
⊙	PROPOSED MOTOR	— —	ELECTRICAL CONTRACTOR
⊙	GENERATOR RECEPTACLE	— —	PE
		— —	PHOTOTELECTRIC CONTROL
		— —	208 VOLT RECEPTACLE
		— —	RECEPTACLE WITH RAIN TIGHT WHILE IN USE COVER

**LIGHTING FIXTURE SCHEDULE**

- ALL FIXTURE TO BE FURNISHED W/ LAMPS (ALL FIXTURES TO BE UL LISTED)
- LED ROADWAY ARM LUMINAIRE, 4000K, ASYMMETRIC PHOTOMETRIC TYPE, BLACK POLYESTER POWDERCOAT. KING LUMINAIRE MADISON STYLE. PROVIDED & INSTALLED BY GREENVILLE UTILITIES.
  - LED POST TOP LUMINAIRE, 4000K, 7360 LUMENS, BLACK POLYESTER POWDER COAT STRAIGHT POLE HOLOPHANE WASHINGTON POSTLITE OR EQUAL. PROVIDED & INSTALLED BY GREENVILLE UTILITIES.
  - FURNISHED & INSTALLED BY CONTRACTOR. LED ROUND BACK FLOOD LIGHT. 2329 LUMENS, 28.2 WATT 230 VAC DIMMABLE LED DRIVER 4700K NEUTRAL WHITE. DIE-CAST ALUMINUM HOUSING. PROVIDE KIM CFL-27-LSKLV OR EQUAL BY ABS AND AAL. LIGHTS FOR PLANTING BEDS SHALL BE INSTALLED ON SEPARATE CIRCUIT & CONNECTED TO AN LED DIMMER.
  - FURNISHED & INSTALLED BY CONTRACTOR. LED LANTERN STYLE POST TOP LUMINAIRE. PROVIDE AS 4000° K COLOR TEMPERATURE (NEUTRAL WHITE) 64 LEDS HO FOR TYPE 5 DISTRIBUTION. 6890 LUMENS 108 WATTS. PROVIDE SPUN ALUMINUM TOP CAP DRIVER ENCLOSURE. PROVIDE AS 230 VAC INPUT. PROVIDE AS BLACK POLYESTER POWDER COAT FINISH. USE ARCHITECTURAL AREA LIGHTING (AAL) #PROL-T2-56LED-4K OR EQUAL BY SELUX OR IGUZZINI. PROVIDE POLE AS 16 FOOT ROUND STRAIGHT ALUMINUM POLE WITH BLACK POLYESTER POWDER COAT FINISH. USE AAL #PR4-4R12-125 OR EQUAL BY SELUX OR IGUZZINI.
  - FURNISHED & INSTALLED BY CONTRACTOR. LINEAR LED WALL WASHER & WALL GRAZER. SOLID ALUMINUM EXTRUSION IP66 RATED FOR USE IN WET LOCATIONS. ARCHITECTURAL CLASS ANODIZING. COOL BEAM NO HEAT OR UV GENERATED FROM LIGHT SOURCE. 59 INCH OVERALL LENGTH. CLEAR MATT COLOR 4000K DIMMABLE 120 VAC. WITH ADJUSTABLE MOUNTING BRACKET. USE GVA LIGHTING STR9 1500 CM 2.5W 4000K WB 120 VAC OR EQUAL BY H.E. WILLIAMS OR SELUX. LIGHTS SHALL BE INSTALLED ON SEPARATE CIRCUIT & CONNECTED TO AN LED DIMMER.

2/12/2015  
 NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER  
 SEAL C-0416  
 DIBBLE & PLEDGER, P.A.  
 RONALD E. PLEDGER

**2 ELECTRICAL SITE PLAN**  
 WEST 5TH STREET ROUNDABOUT 1" = 30'-0"

DESIGN BY:  
**DIBBLE & PLEDGER, P.A.**  
 222 WEST MAIN STREET, WASHINGTON N.C. 27889  
 PHONE: (252) 946-3320 FAX: (252) 946-9160  
 E-MAIL: info@dibbleandpledger.com

NO.	DATE	DESCRIPTION
1		



**Lighting Plan**  
 West Fifth Street Gateway Streetscape - Phase 2  
**CITY OF GREENVILLE**  
 NORTH CAROLINA  
 PITT COUNTY

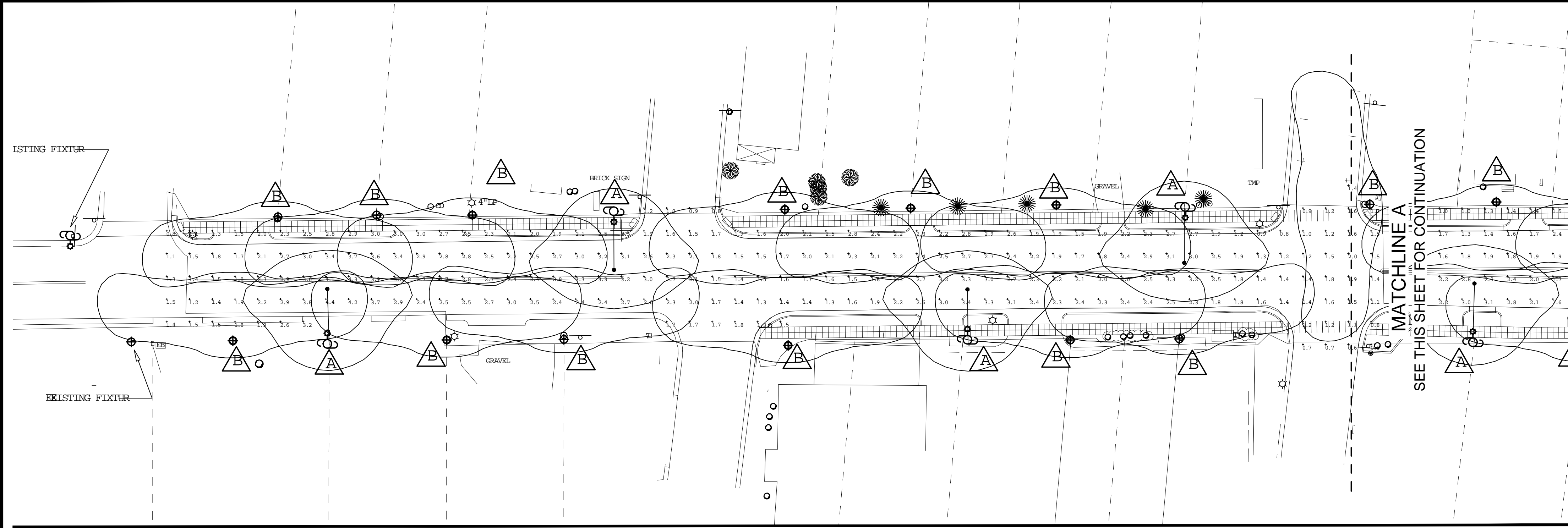
NC License #4834  
**Rivers & Associates, Inc.**  
 107 East Second Street  
 Greenville, NC 27838  
 (252) 752-4135  
 Since 1976  
 Engineers  
 Planners  
 Surveyors  
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SURVEY: DRAFT: WAW  
 DESIGN: REP. CHECK: REP.  
 PROJECT No. **2011107**  
 DRAWING No. **W-3571**  
 SCALE: AS SHOWN

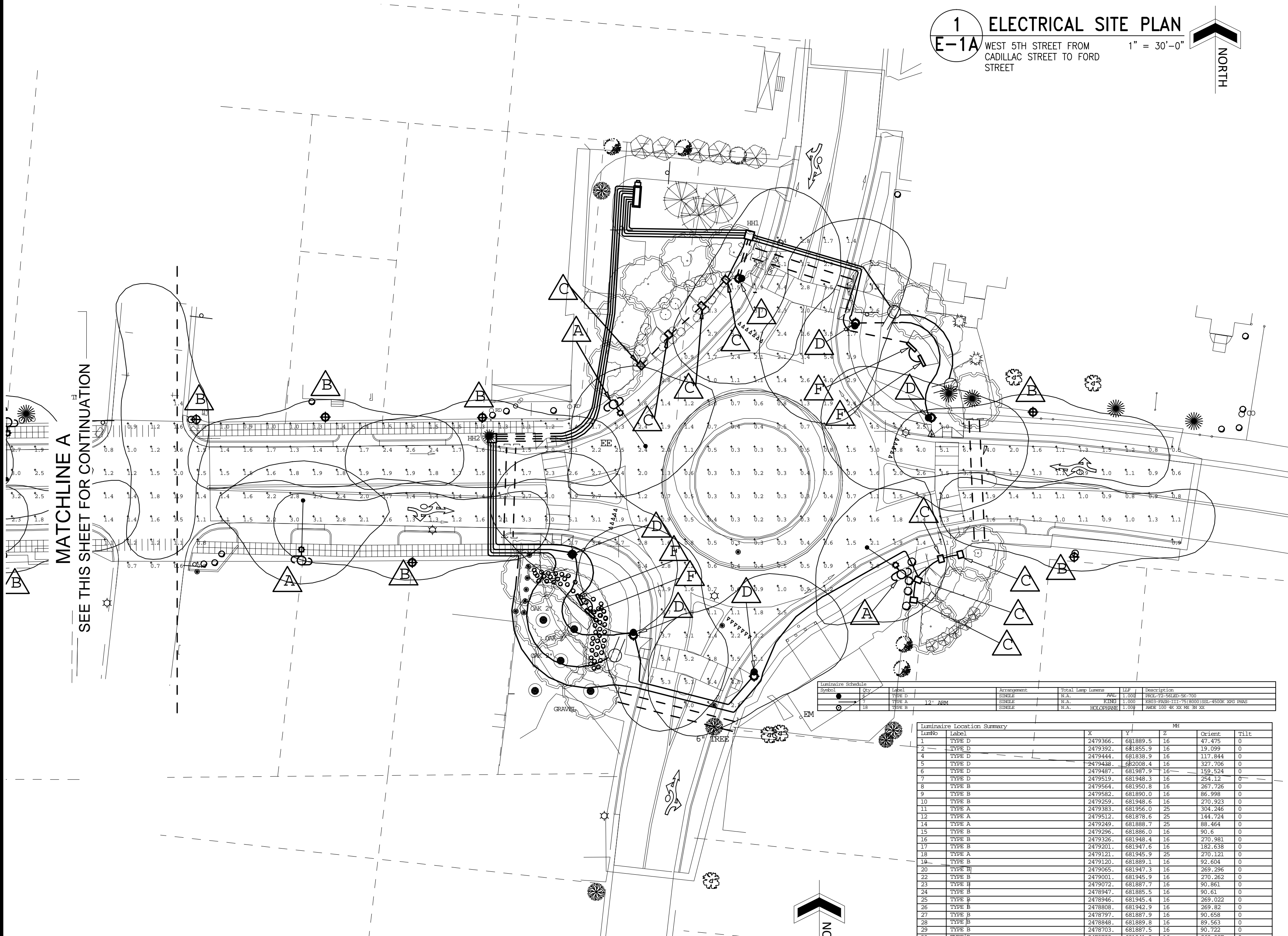
SHEET No. **E-1A** OF 3  
**E-1A**

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- COORDINATE LUG SIZES FOR ALL PANELBOARDS WITH CONDUIT AND CABLE SCHEDULE.
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- PROVIDE FOR A 12"x12" WITHOUT BOTTOM QUARTZITE JUNCTION BOX FLUSH WITH GRADE AS INDICATED. ROUTE NEW WIRING INTO HANDHOLE VIA BELOW GRADE JUNCTION BOX.



**1 ELECTRICAL SITE PLAN**  
**E-1A** WEST 5TH STREET FROM CADILLAC STREET TO FORD STREET 1" = 30'-0"



**2 ELECTRICAL SITE PLAN**  
**E-1A** WEST 5TH STREET ROUNDABOUT 1" = 30'-0"

**ELECTRICAL LEGEND**

- DIRECT BURIAL UNDERGROUND CONDUIT & WIRE
- NEW CONDUIT & WIRE
- EXISTING EQUIPMENT
- NEW EQUIPMENT
- ▨ EXISTING EQUIPMENT TO BE REMOVED
- ▩ WORK AREA
- ▧ EXISTING EQUIPMENT TO BE RELOCATED
- NEW WIRE AND CONDUIT
- EXISTING WIRE AND CONDUIT
- 1 CONDUIT AND CABLE IDENTIFICATION
- △ LIGHTING FIXTURE IDENTIFICATION
- △ EXISTING POLE MOUNTED TRANSFORMER
- WP RECEPTACLE
- GFCI RECEPTACLE - WEATHERPROOF
- PROPOSED MOTOR
- GENERATOR RECEPTACLE
- CIRCUIT BREAKER
- AH CIRCUIT HOME RUN W/ ONE UNGROUNDED ONE NEUTRAL & ONE GROUNDING CONDUCTOR
- SAFETY SWITCH
- NEW STARTER DISCONNECT
- JUNCTION BOX
- EXISTING CONDUIT & WIRE TO BE REMOVED
- L.S.O.S. LINE SIDE OF LOCAL SWITCH
- LIGHT
- MOTOR
- ⊥ GROUND
- G.C. GENERAL CONTRACTOR
- E.C. ELECTRICAL CONTRACTOR
- PE PHOTOELECTRIC CONTROL
- 208 VOLT RECEPTACLE
- RTWUC RECEPTACLE WITH RAIN TIGHT WHILE IN USE COVER

**LIGHTING FIXTURE SCHEDULE**

ALL FIXTURE TO BE FURNISHED W/ LAMPS (ALL FIXTURES TO BE UL LISTED)

- △ LED ROADWAY ARM LUMINAIRE, 4000K, ASYMMETRIC PHOTOMETRIC TYPE, BLACK POLYESTER POWDERCOAT, KING LUMINAIRE MADISON STYLE, PROVIDED & INSTALLED BY GREENVILLE UTILITIES.
- △ LED POST TOP LUMINAIRE, 4000K, 7360 LUMENS, BLACK POLYESTER POWDER COAT STRAIGHT POLE HOLOPHANE WASHINGTON POSTLITE OR EQUAL, PROVIDED & INSTALLED BY GREENVILLE UTILITIES.
- △ FURNISHED & INSTALLED BY CONTRACTOR, LED ROUND BACK FLOOD LIGHT, 2329 LUMENS, 28.2 WATT 230 VAC DIMMABLE LED DRIVER 4700K NEUTRAL WHITE, DIE-CAST ALUMINUM HOUSING. PROVIDE KIM CFL-27-L5KUV OR EQUAL BY ABS AND AAL. LIGHTS FOR PLANTING BEDS SHALL BE INSTALLED ON SEPARATE CIRCUIT & CONNECTED TO AN LED DIMMER.
- △ FURNISHED & INSTALLED BY CONTRACTOR, LED LANTERN STYLE POST TOP LUMINAIRE, PROVIDE AS 4000° K COLOR TEMPERATURE (NEUTRAL WHITE) 64 LEDS HO FOR TYPE 5 DISTRIBUTION, 6890 LUMENS 108 WATTS, PROVIDE SPUN ALUMINUM TOP CAP DRIVER ENCLOSURE, PROVIDE AS 230 VAC INPUT, PROVIDE AS BLACK POLYESTER POWDER COAT FINISH, USE ARCHITECTURAL AREA LIGHTING (AAL) #PROL-T2-56LED-4K OR EQUAL BY SELUX OR IGUZZINI, PROVIDE POLE AS 16 FOOT ROUND STRAIGHT ALUMINUM POLE WITH BLACK POLYESTER POWDER COAT FINISH, USE AAL #PR4-4R12-125 OR EQUAL BY SELUX OR IGUZZINI.
- △ FURNISHED & INSTALLED BY CONTRACTOR, LINEAR LED WALL WASHER & WALL GRAZER, SOLID ALUMINUM EXTRUSION IP66 RATED FOR USE IN WET LOCATIONS, ARCHITECTURAL CLASS ANODIZING, COOL BEAM NO HEAT OR UV GENERATED FROM LIGHT SOURCE, 59 INCH OVERALL LENGTH, CLEAR MATT COLOR 4000K DIMMABLE 120 VAC WITH ADJUSTABLE MOUNTING BRACKET, USE GVA LIGHTING STR9 1500 CM 2.5W 4000K WB 120 VAC OR EQUAL BY H.E. WILLIAMS OR SELUX. LIGHTS SHALL BE INSTALLED ON SEPARATE CIRCUIT & CONNECTED TO AN LED DIMMER.

Label	Quantity	Description
1	1	2479136-081889-5 16 47-475 0
2	1	2479132-081895-1 16 110-289 0
3	1	2479144-081838-3 16 117-844 0
4	1	2479148-082038-0 16 127-706 0
5	1	2479149-081897-7 16 132-244 0
6	1	2479151-081948-3 16 254-12 0
7	1	2479164-081963-1 16 267-236 0
8	1	2479182-081890-0 16 86-998 0
9	1	2479159-081948-0 16 270-303 0
10	1	2479183-081956-0 05 204-266 0
11	1	2479152-081878-0 25 144-724 0
12	1	2479245-081888-0 05 48-484 0
13	1	2479126-081948-0 16 270-303 0
14	1	2479126-081948-0 16 270-303 0
15	1	2479126-081948-0 16 270-303 0
16	1	2479126-081948-0 16 270-303 0
17	1	2479121-081948-0 25 270-225 0
18	1	2479120-081889-1 16 102-604 0
19	1	2479155-081947-3 16 269-296 0
20	1	2479155-081947-3 16 269-296 0
21	1	2479155-081947-3 16 269-296 0
22	1	2479155-081947-3 16 269-296 0
23	1	2479155-081947-3 16 269-296 0
24	1	2479155-081947-3 16 269-296 0
25	1	2479155-081947-3 16 269-296 0
26	1	2479155-081947-3 16 269-296 0
27	1	2479155-081947-3 16 269-296 0
28	1	2479155-081947-3 16 269-296 0
29	1	2479155-081947-3 16 269-296 0
30	1	2479155-081947-3 16 269-296 0
31	1	2479155-081947-3 16 269-296 0
32	1	2479155-081947-3 16 269-296 0
33	1	2479155-081947-3 16 269-296 0
34	1	2479155-081947-3 16 269-296 0
35	1	2479155-081947-3 16 269-296 0
36	1	2479155-081947-3 16 269-296 0
37	1	2479155-081947-3 16 269-296 0
38	1	2479155-081947-3 16 269-296 0
39	1	2479155-081947-3 16 269-296 0
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43	1	2479155-081947-3 16 269-296 0
44	1	2479155-081947-3 16 269-296 0
45	1	2479155-081947-3 16 269-296 0
46	1	2479155-081947-3 16 269-296 0
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48	1	2479155-081947-3 16 269-296 0
49	1	2479155-081947-3 16 269-296 0
50	1	2479155-081947-3 16 269-296 0

2/12/2015  
 NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER  
 SEAL C-0416  
 DIBBLE & PLEDGER, P.A.  
 RONALD E. PLEDGER

DESIGN BY:  
**DIBBLE & PLEDGER, P.A.**  
 222 WEST MAIN STREET, WASHINGTON, N.C. 27889  
 PHONE: (252) 946-3320 FAX: (252) 946-3160  
 E-MAIL: info@dbp.com



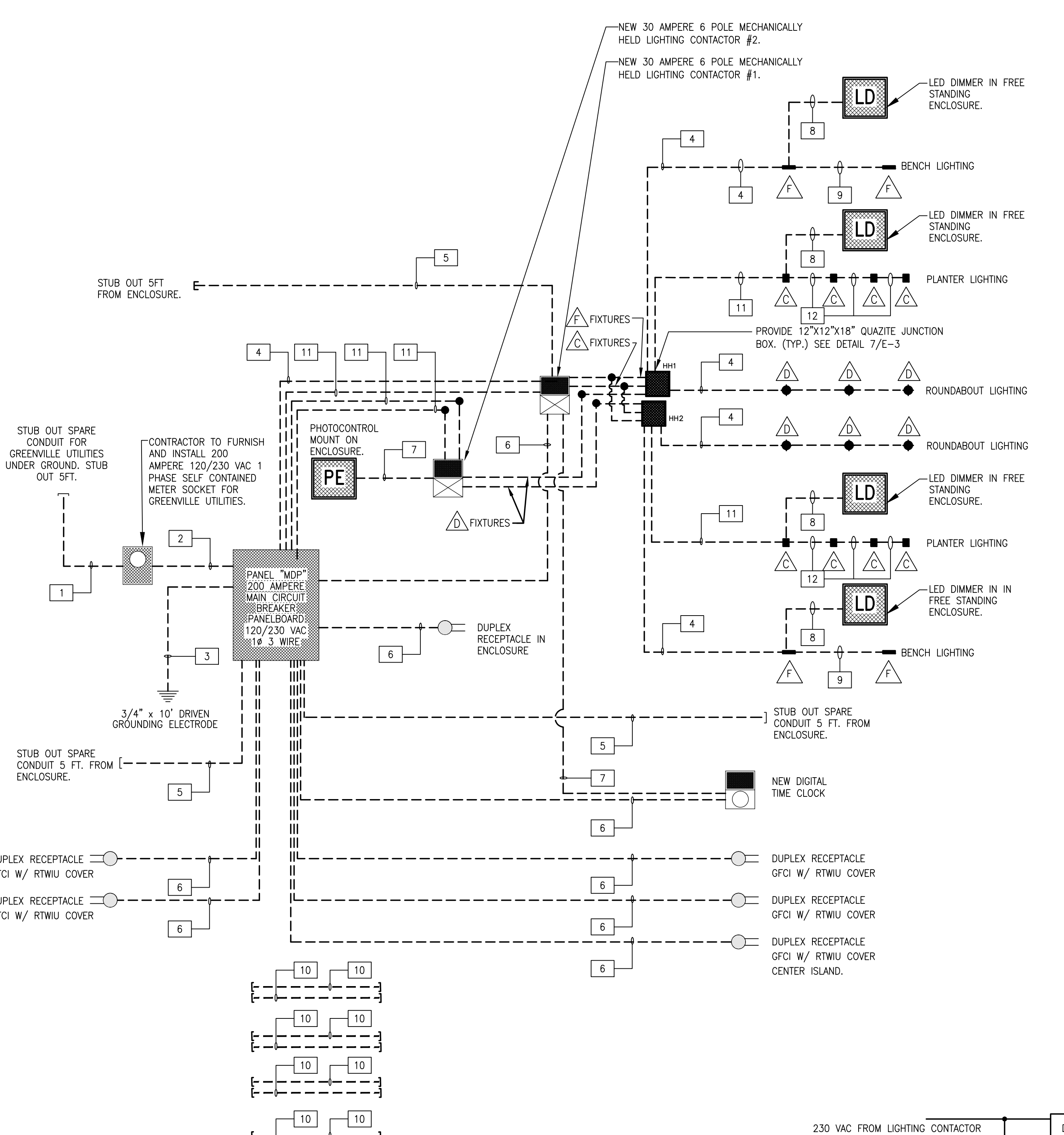
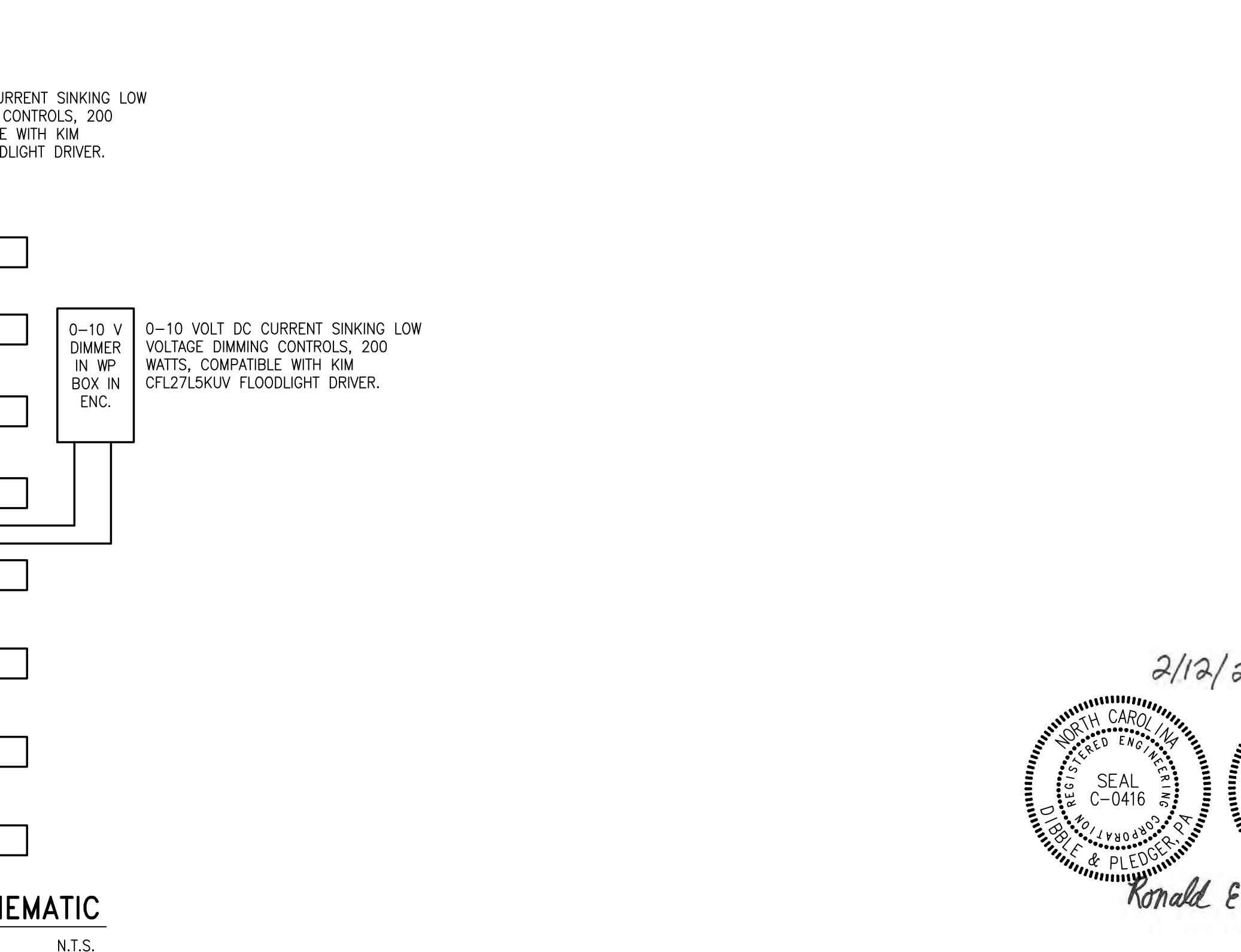
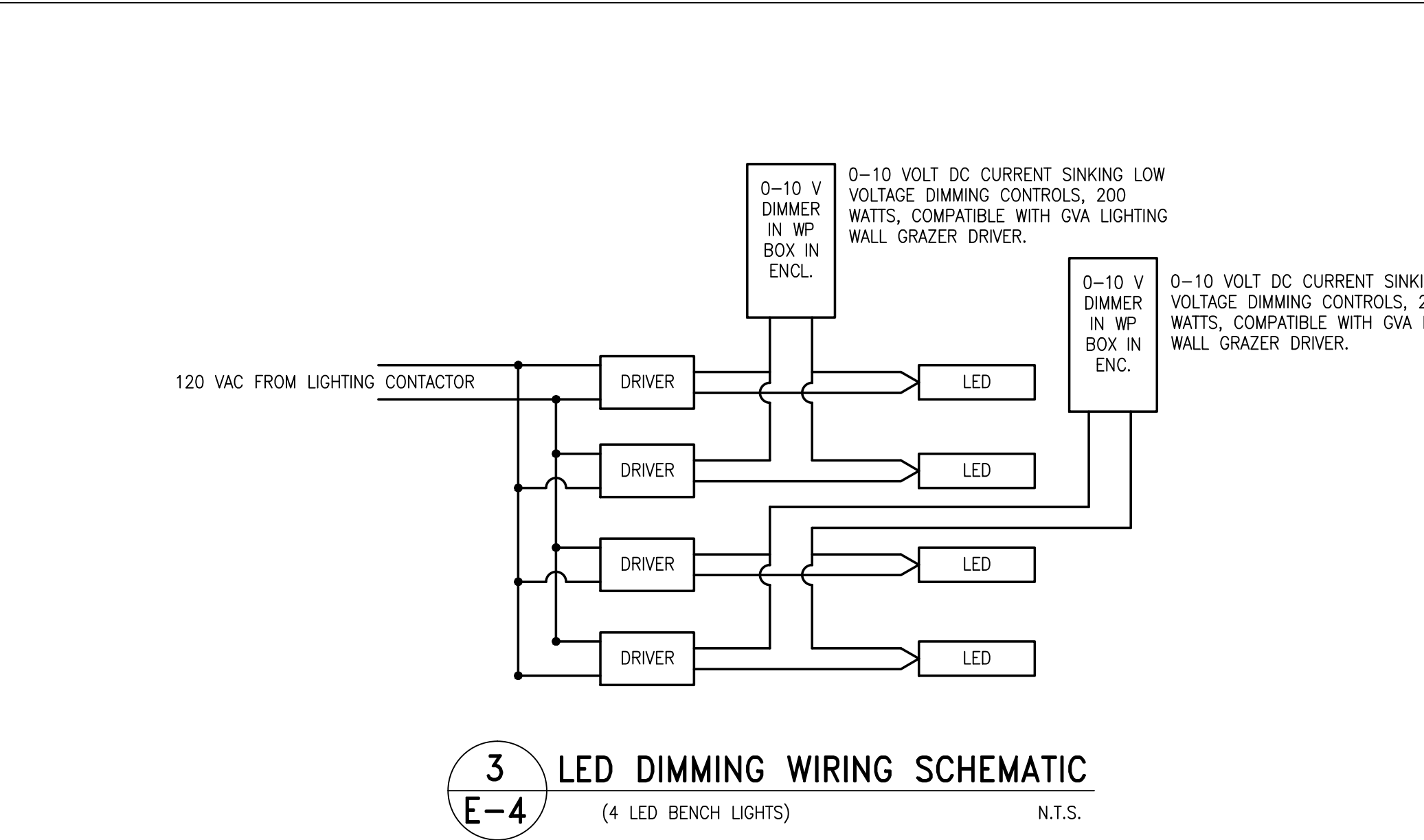
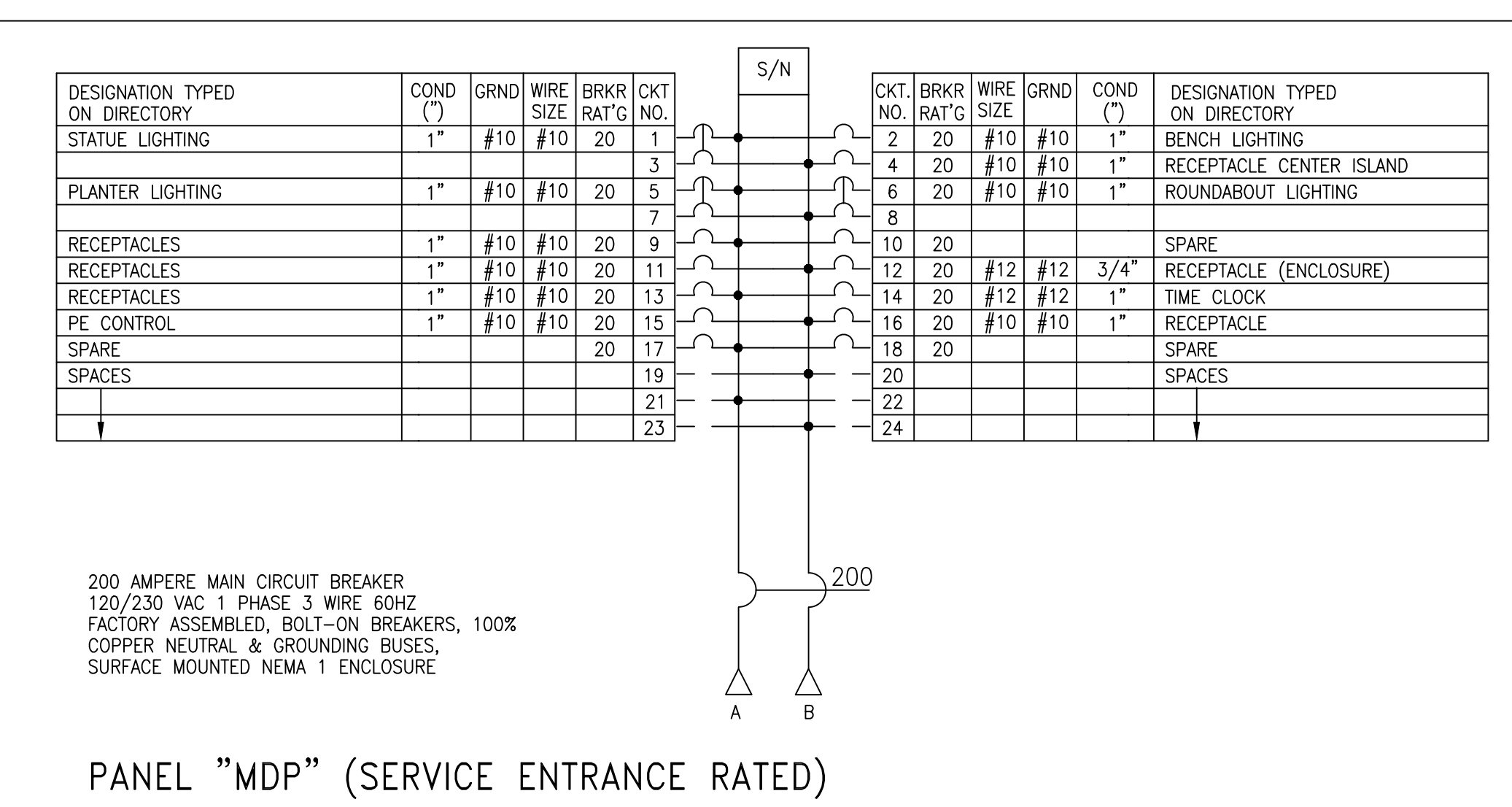
REVISIONS:		
NO.	DATE	DESCRIPTION



**ELECTRICAL ONE LINE DIAGRAM & SCHEDULES**  
 West Fifth Street Gateway Streetscape - Phase 2  
**CITY OF GREENVILLE**  
 NORTH CAROLINA  
 PITT COUNTY



NC License: F-4934	DESIGN BY: WAW
<b>Rivers &amp; Associates, Inc.</b>	DRAFT: WAW
107 East Second Street Greenville, NC 27838 (252) 792-4139	DESIGN: REP
Since 1916 Engineers Planners Surveyors Landscape Architects	CHECK: REP
	PROJECT No. <b>2011107</b>
	DRAWING No. <b>W-3571</b>
	SCALE: AS SHOWN
	SHEET No. <b>E-2</b> OF <b>3</b>

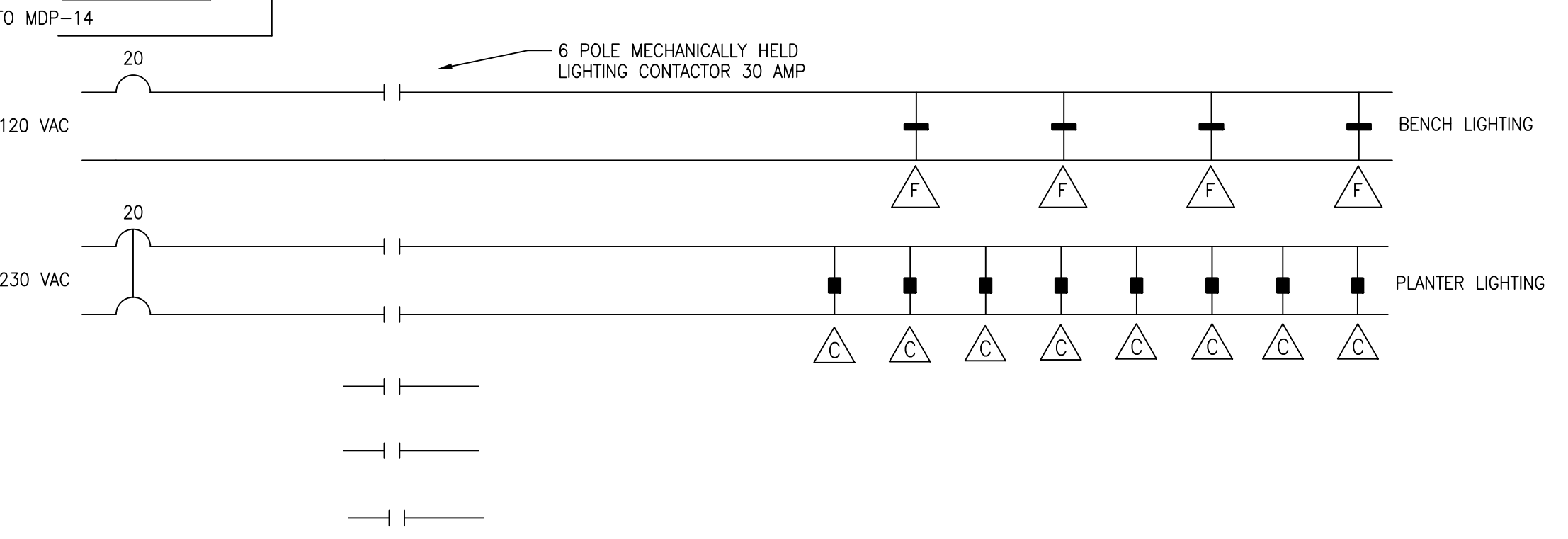
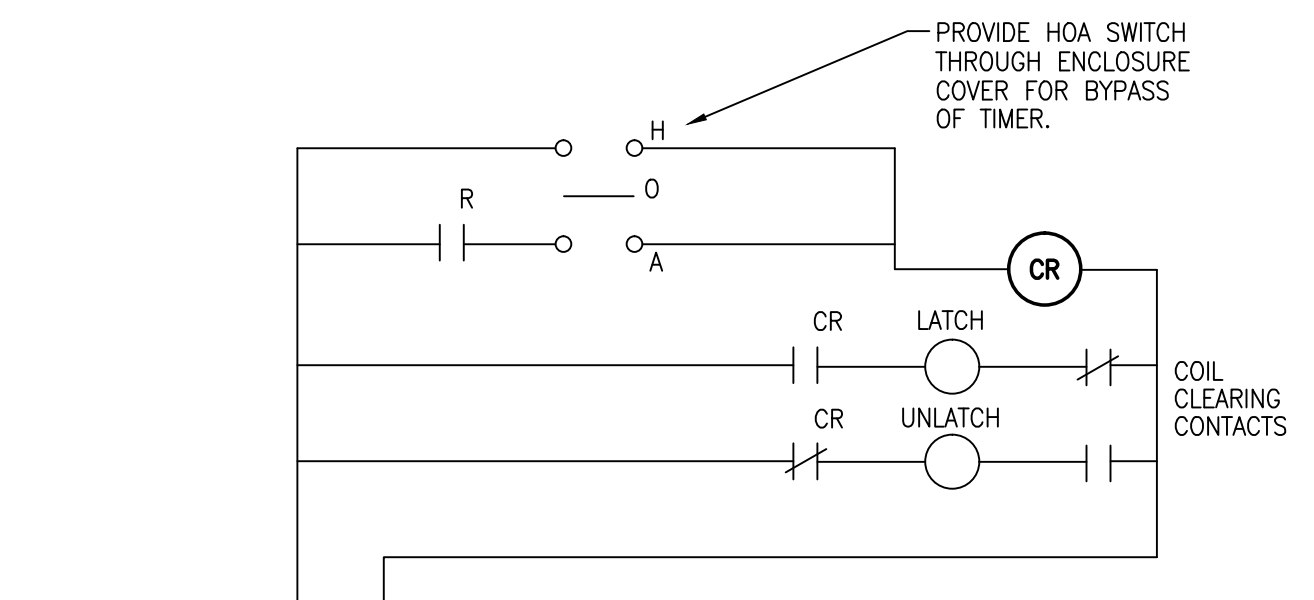
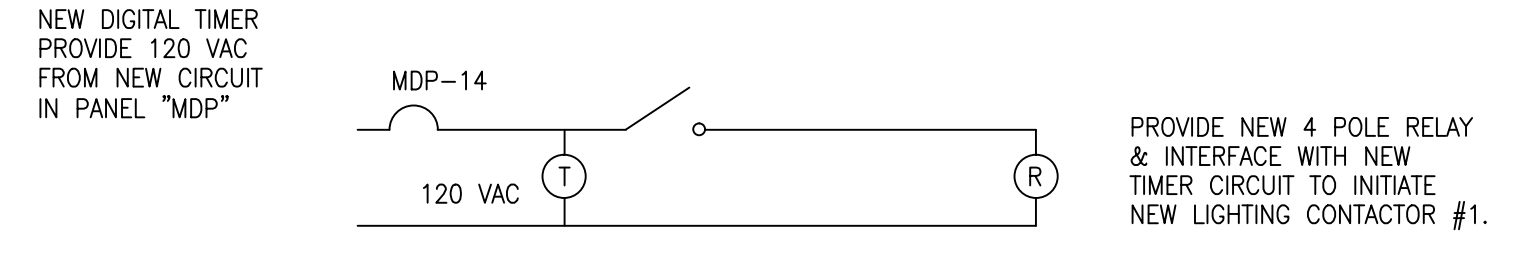


**1 ONE LINE DIAGRAM-POWER**  
 E-2 NTS

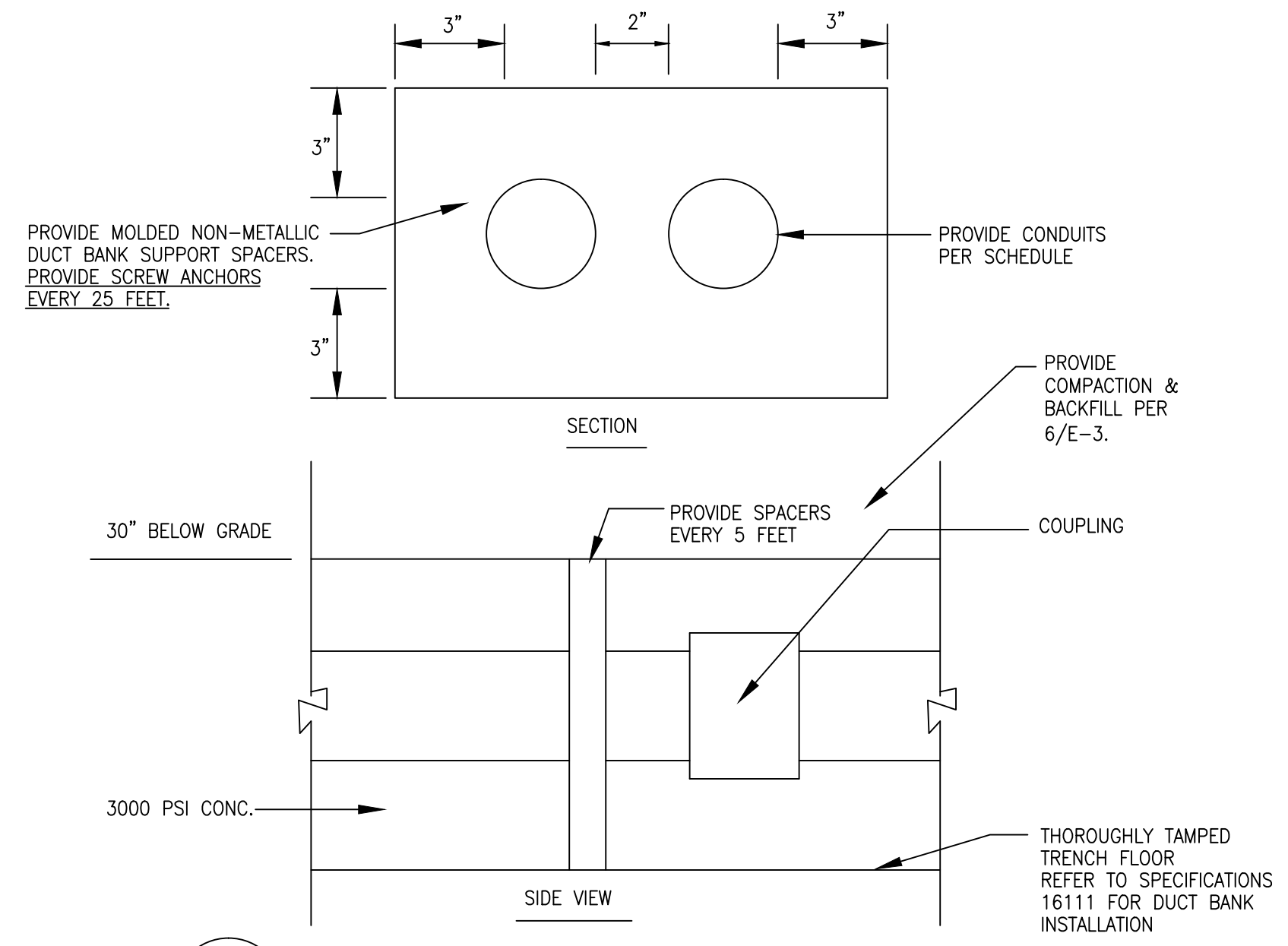
CONDUIT & CABLE SCHEDULE

1	4" SPARE CONDUIT FOR UTILITY.	7	2-#14 AWG. CU. THHN/THWN UNGROUNDED CONDUCTORS. 1-#14 AWG. CU. THHN/THWN NEUTRAL CONDUCTOR. 1-#14 AWG. CU. THHN/THWN GROUNDING CONDUCTOR. 3/4" CONDUIT.
2	2-3/0 AWG. CU. THHN/THWN UNGROUNDED CONDUCTORS. 1-3/0 AWG. CU. THHN/THWN NEUTRAL CONDUCTOR. 2" CONDUIT.	8	4-#14 AWG CU THHN/THWN UNGROUNDED CONDUCTORS 1-#14 AWG CU THHN/THWN GROUNDING CONDUCTOR 3/4" CONDUIT
3	#4 AWG. CU. THHN/THWN GROUNDING ELECTRODE CONDUCTOR. 3/4" CONDUIT.	9	1-#10 AWG CU THHN/THWN UNGROUNDED CONDUCTORS 1-#10 AWG CU THHN/THWN NEUTRAL CONDUCTOR 1-#10 AWG CU THHN/THWN GROUNDING CONDUCTOR 2-#14 AWG CU THHN/THWN UNGROUNDED CONDUCTORS 1" CONDUIT
4	1-#10 AWG CU THHN/THWN UNGROUNDED CONDUCTORS 1-#10 AWG CU THHN/THWN NEUTRAL CONDUCTOR 1-#10 AWG CU THHN/THWN GROUNDING CONDUCTOR 1" CONDUIT	10	2" SPARE CONDUIT FOR FUTURTE. PROVIDE PULL STRING, PLUG & CAP.
5	2" SPARE CONDUIT FOR FUTURE. PROVIDE PULL STRING, PLUG & CAP FOR FUTURE.	11	2-#10 AWG CU THHN/THWN UNGROUNDED CONDUCTORS 1-#10 AWG CU THHN/THWN GROUNDING CONDUCTOR 1" CONDUIT
6	1-#12 AWG. CU. THHN/THWN UNGROUNDED CONDUCTORS. 1-#12 AWG. CU. THHN/THWN NEUTRAL CONDUCTOR. 1-#12 AWG. CU. THHN/THWN GROUNDING CONDUCTOR. 3/4" CONDUIT.	12	2-#10 AWG CU THHN/THWN UNGROUNDED CONDUCTORS 1-#10 AWG CU THHN/THWN NEUTRAL CONDUCTOR 2-#14 AWG CU THHN/THWN UNGROUNDED CONDUCTORS 1" CONDUIT

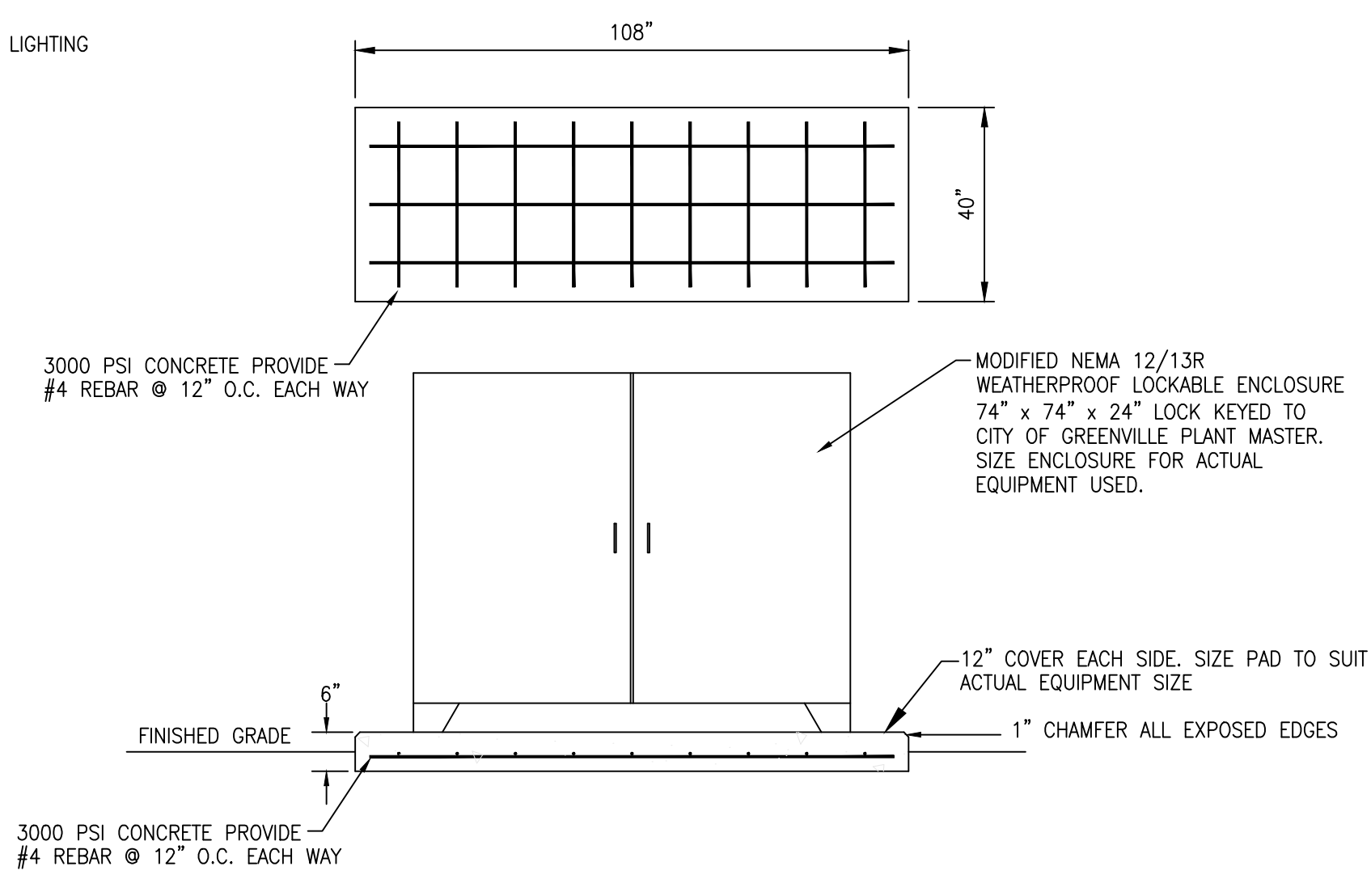
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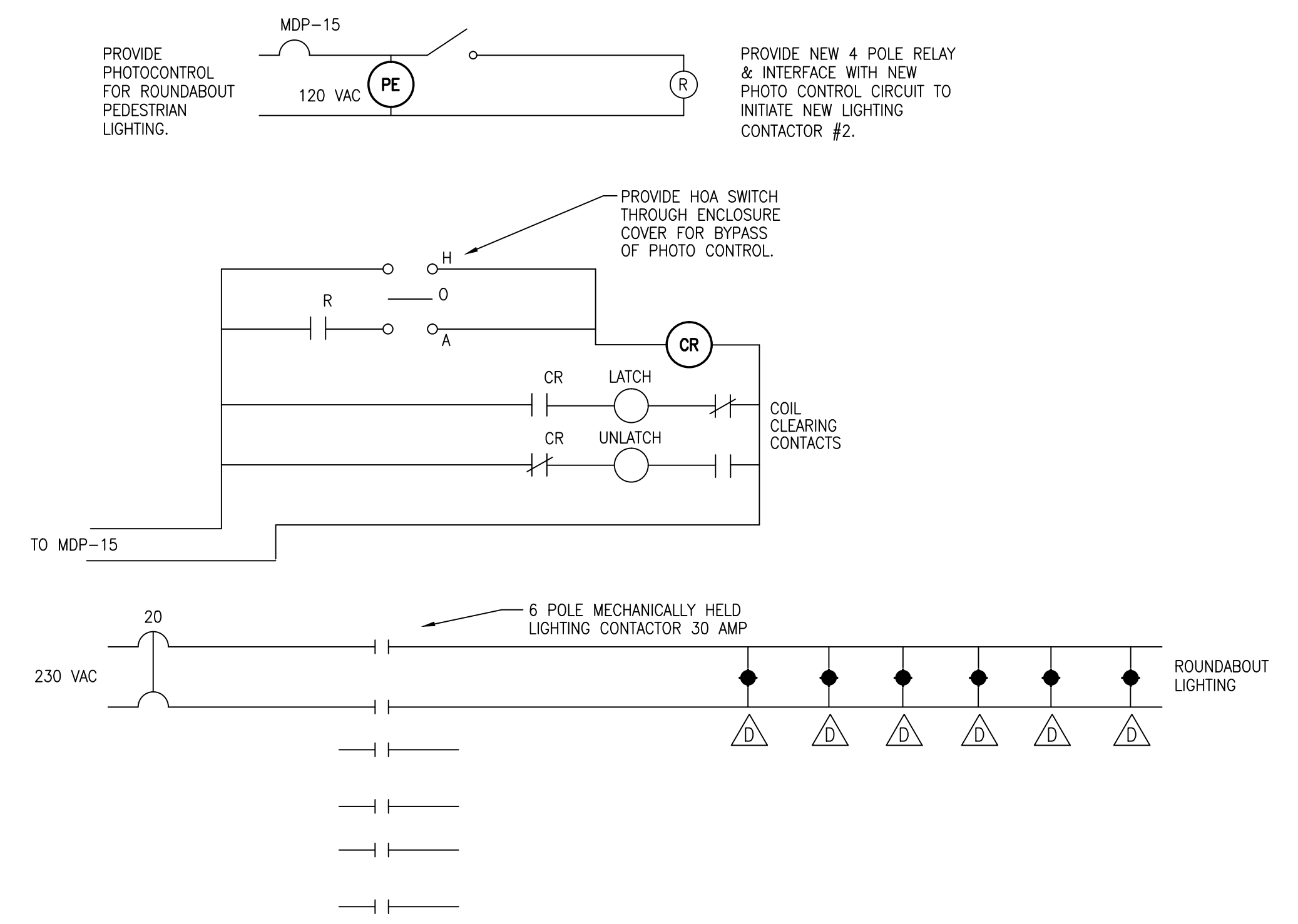
**1** NEW LIGHTING CONTACTOR #1 SCHEMATIC  
E-3 LIGHTING CONTACTOR SHALL BE UL LABELED. PROVIDE WIRING DIAGRAM. NTS  
GROUNDING CONDUCTORS NOT SHOWN FOR CLARITY.



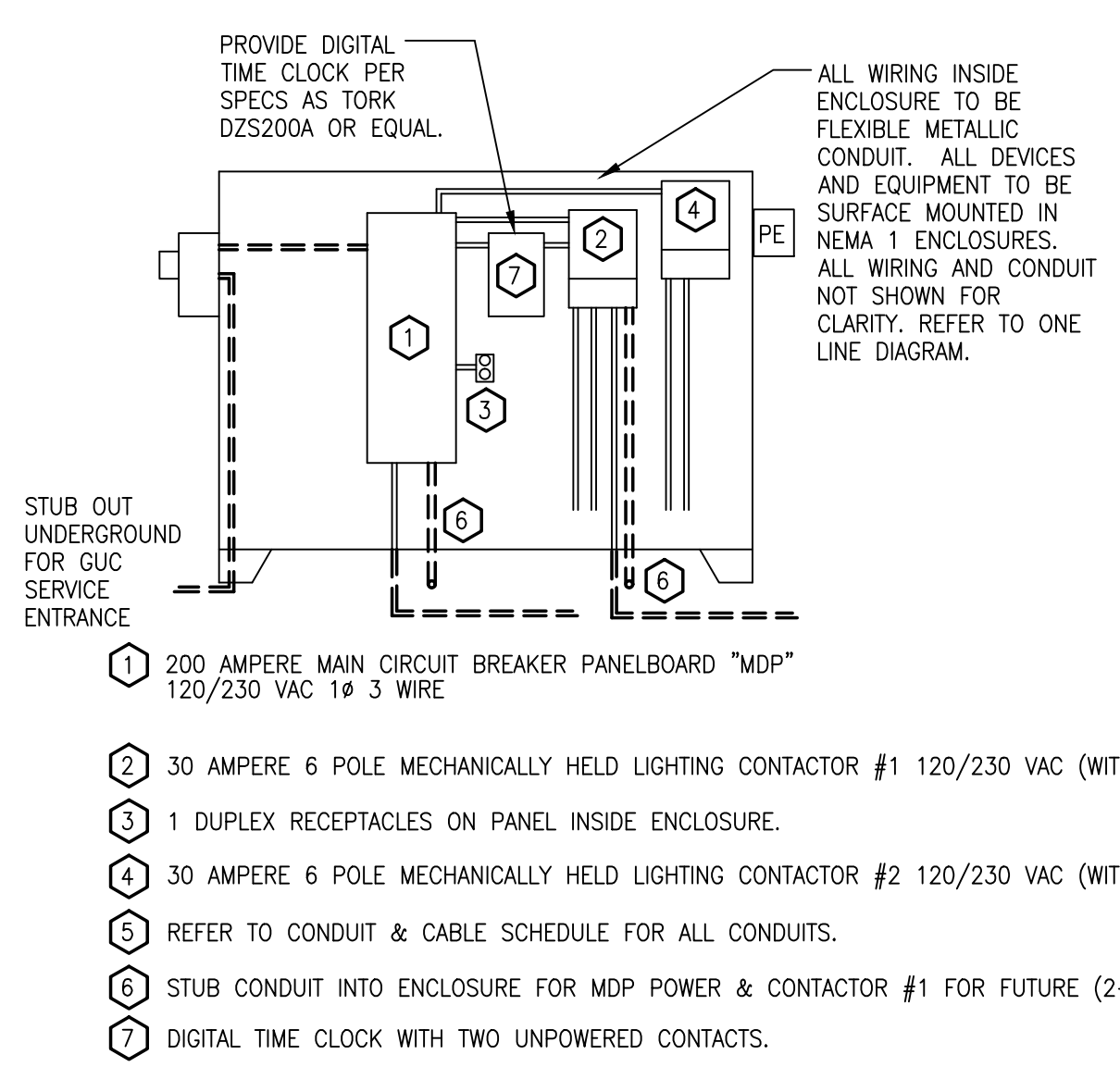
**2** CONCRETE ENCASED DUCTBANK DETAIL  
E-3 (TYPICAL SECTION) NTS



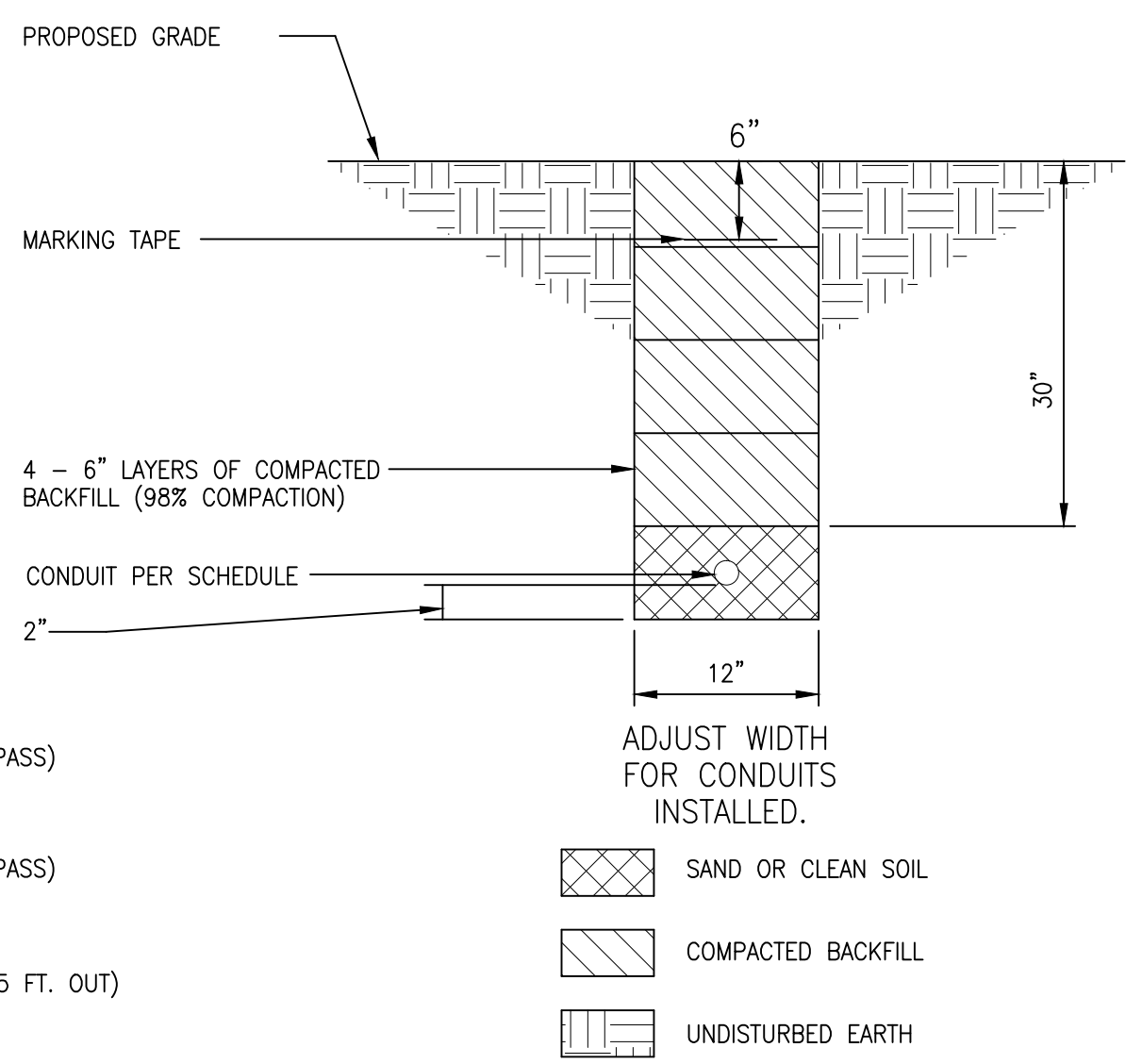
**3** "MDP" ENCLOSURE PAD - DETAIL  
E-3 NTS



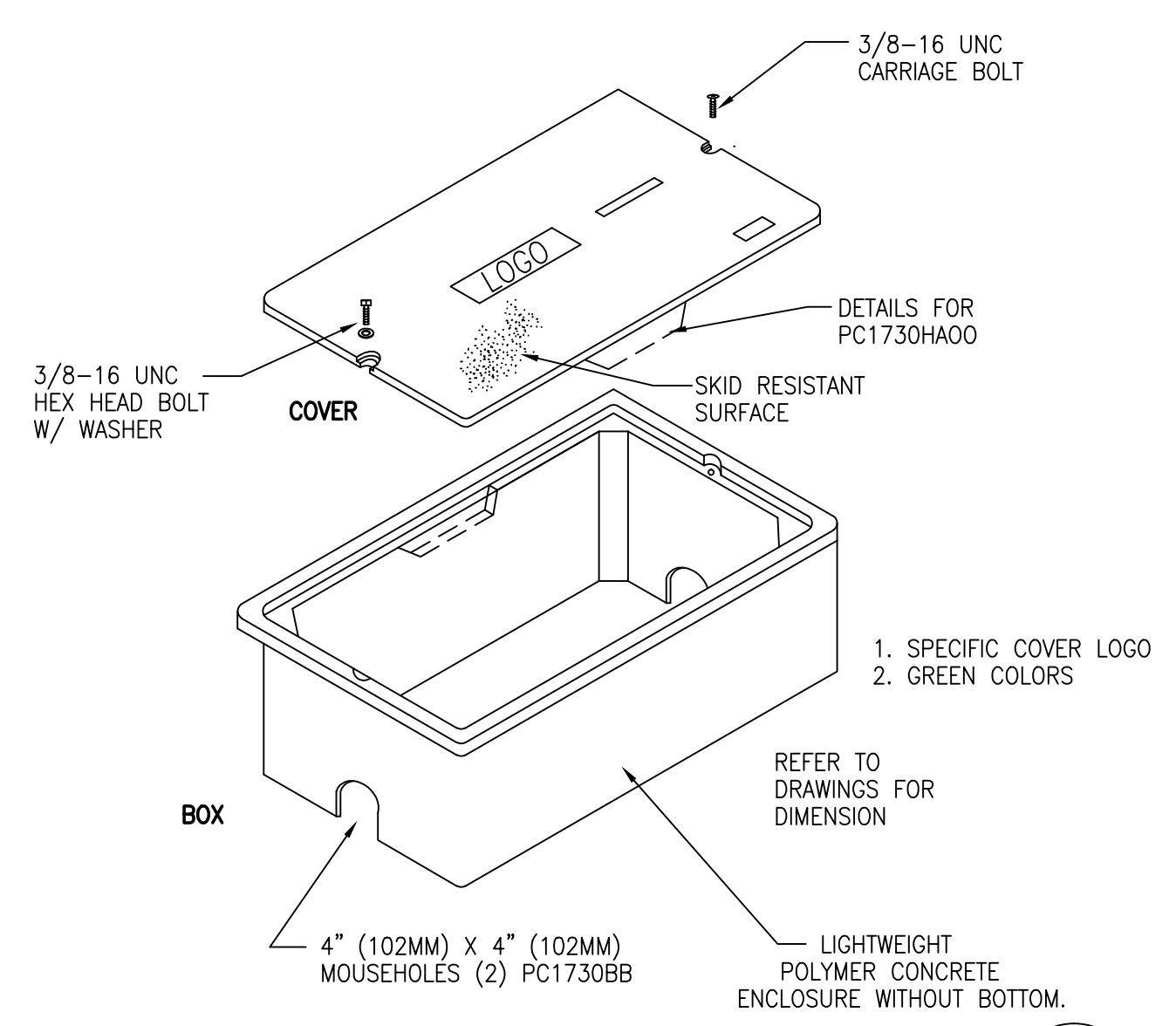
**4** NEW LIGHTING CONTACTOR #2 SCHEMATIC  
E-3 LIGHTING CONTACTOR SHALL BE UL LABELED. PROVIDE WIRING DIAGRAM. NTS  
GROUNDING CONDUCTORS NOT SHOWN FOR CLARITY.



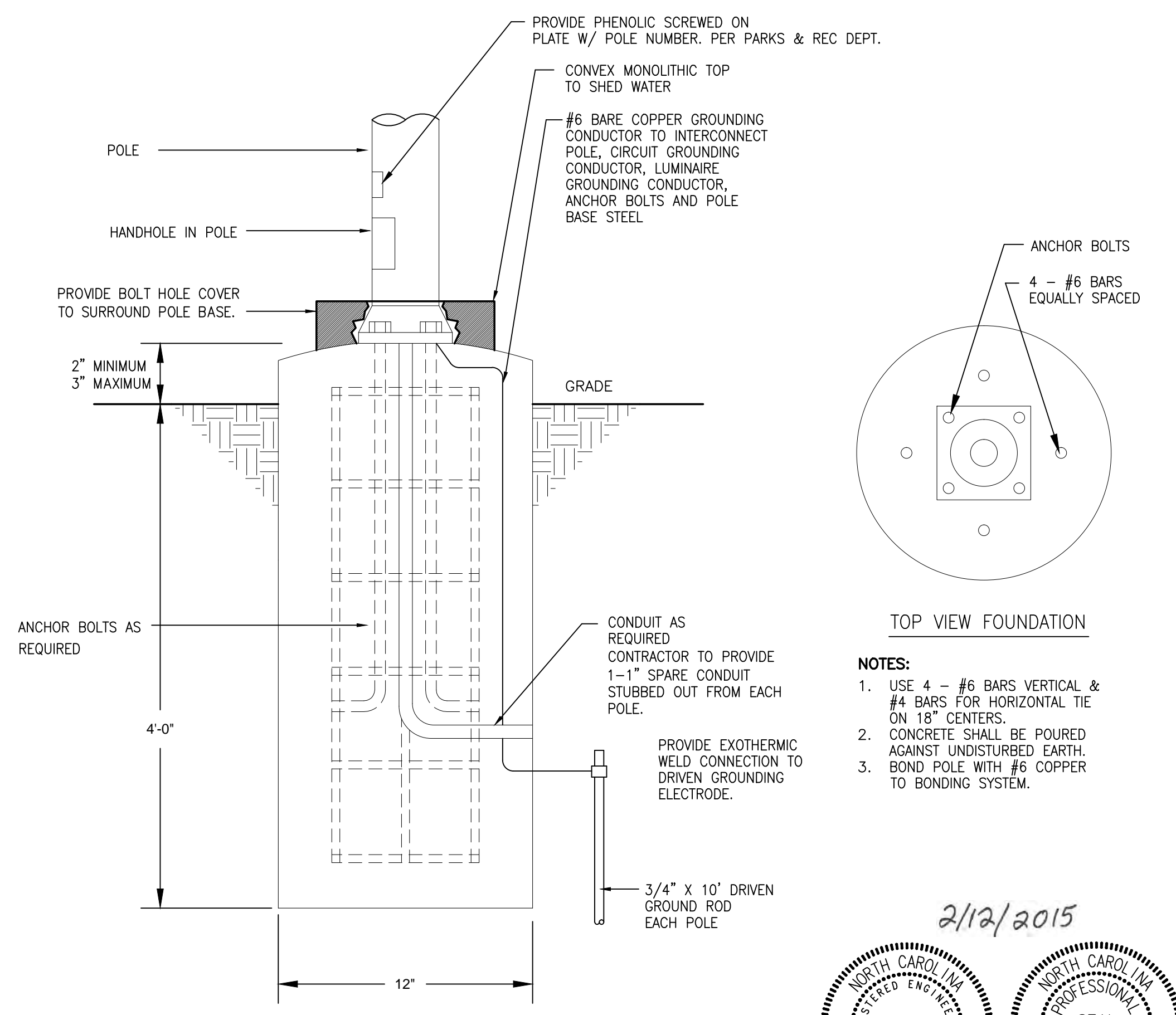
**5** "MDP" ENCLOSURE LAYOUT  
E-3 NTS



**6** TRENCH DETAIL (LIGHTING CIRCUITS)  
E-3 (USE SCH 80 PVC WHERE CONDUIT GOES UNDER ROADWAYS.) NTS  
(USE SCH 40 PVC ELSEWHERE - DIRECT BURIAL.)



**7** HAND HOLE DETAIL  
E-3 (POWER/SPARE) NTS



**8** ROUNDABOUT AREA LIGHTING FIXTURE "D" POLE ANCHOR DETAIL  
E-3 NTS

REVISIONS:

REV	DATE	DESCRIPTION
1		



ELECTRICAL DETAILS  
West Fifth Street Gateway Streetscape - Phase 2  
**CITY OF GREENVILLE**  
PITT COUNTY  
NORTH CAROLINA

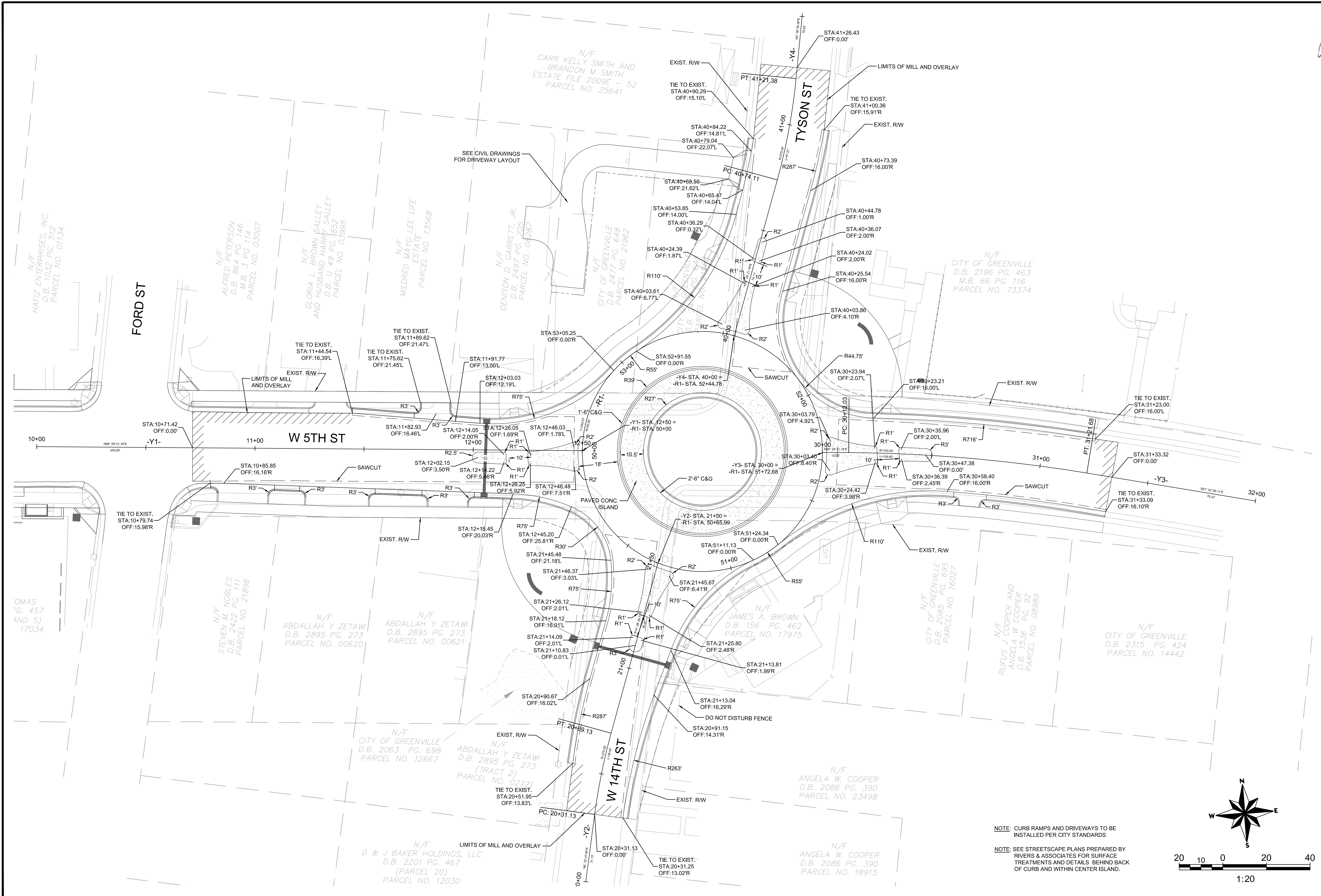
NC License: F-4934  
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Engineers  
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107 East Second Street  
Greenville, NC 27838  
(252) 792-4139

2/12/2015  
NORTH CAROLINA PROFESSIONAL ENGINEER  
SEAL C-0416  
DIBBLE & PLEDGER, P.A.  
Ronald E. Pledger

DESIGN BY:  
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E-Mail: info@dibbleandpledger.com

SURVEY	DRAFT: WAW
DESIGN: REP	CHECK: REP
PROJECT No.	<b>2011107</b>
DRAWING No.	<b>W-3571</b>
SCALE:	AS SHOWN
SHEET No.	E-3 OF 3

**E-3**



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**DAVENPORT**  
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 305 WEST FOURTH STREET, SUITE 2A  
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 www.davenport.com  
 336-744-1836  
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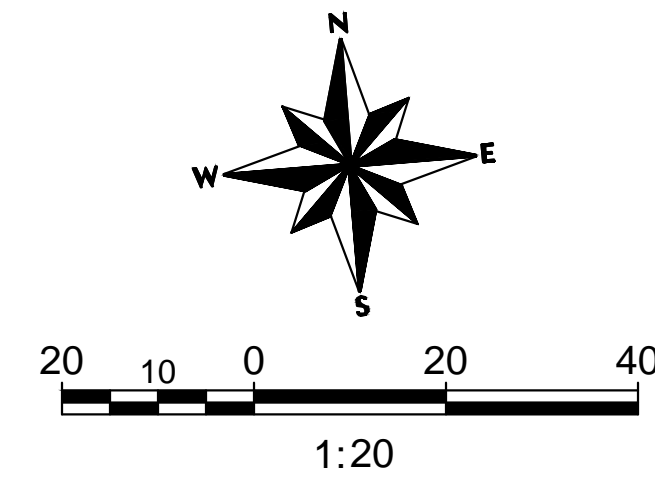
PROJECT:	11-232
DATE:	11/25/14
DESIGNED BY:	JCT
DRAWN BY:	JCT
CHECKED BY:	DRG
SCALE:	AS NOTED

NO.	DATE	REVISIONS	DESCRIPTION



**CITY OF GREENVILLE**  
 WEST FIFTH STREET/SCAPE  
 PHASE II PROJECT

PROJECT:  
 ROADWAY PLAN SHEET  
 SHEET NO.  
**RD-01**



NOTE: CURB RAMPS AND DRIVEWAYS TO BE INSTALLED PER CITY STANDARDS  
 NOTE: SEE STREETSCAPE PLANS PREPARED BY RIVERS & ASSOCIATES FOR SURFACE TREATMENTS AND DETAILS BEHIND BACK OF CURB AND WITHIN CENTER ISLAND.

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS, OR RESULT IN DUPLICATE, OR UNDESIRE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING OR REMOVAL OF DEVICES, AS DIRECTED BY THE ENGINEER OR NCDOT.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER OR NCDOT.

**PROJECT NOTES**

- A. DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

**LANE AND SHOULDER CLOSURE REQUIREMENTS**

- B. REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED, OR AS DIRECTED BY THE ENGINEER.
- C. WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.

- D. WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

- E. WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITH THE CLOSED TRAVEL LANE.

- F. DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

**PAVEMENT EDGE DROP OFF REQUIREMENTS**

- G. BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER.

- H. DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING , UNEVEN LANES, SIGNS (W8-11) 350 FEET IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

**SIGNING**

- I. INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- J. ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- K. INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 100 ft IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

**TRAFFIC BARRIER**

- L. INSTALL TEMPORARY BARRIER ACCORDING TO THE TRAFFIC CONTROL PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION, PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRAFFIC CONTROL PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE/RESET TEMPORARY BARRIER UNLESS OTHERWISE STATED IN THE TRAFFIC CONTROL PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

- M. PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED IMPACT ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS:

POSTED SPEED LIMIT	MINIMUM OFFSET
40 OR LESS	15 FT
45-50	20 FT
55	25 FT
60 MPH or HIGHER	30 FT

**TRAFFIC PATTERN ALTERATIONS**

- N. NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

**TRAFFIC CONTROL DEVICES**

- O. SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) , EXCEPT 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT. WHEN SKINNY DRUMS ARE ALLOWED, REFER TO SECTION 1180 OF STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES OR AS SHOWN IN THE PLANS.

- P. PLACE TYPE III BARRICADES, WITH , ROAD CLOSED, SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

- Q. PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES ( DRUMS, CONES OR SKINNY DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

- R. ONLY UNIFORMED POLICE OFFICERS SHALL DIRECT TRAFFIC THROUGH SIGNALIZED INTERSECTIONS. THE TRAFFIC SIGNAL MAY BE PUT INTO FLASHING OPERATION OR MAY REMAIN IN NORMAL OPERATION AT THE DISCRETION OF THE OFFICER.

OFFICERS SHALL BE PROPERLY ATTIRED AND SHALL DIRECT TRAFFIC WITH HAND MOTIONS. FLASHLIGHTS WITH RED CONES SHOULD BE USED AT NIGHT. OFFICERS MAY ALSO USE A WHISTLE TO SIGNAL WHEN THEY ARE CHANGING THE DIRECTION OT THE RIGHT OF WAY.

**PAVEMENT MARKING AND MARKERS**

- S. INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL	THERMO	NONE

- T. INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL	PAINT	NONE

- U. PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.

- V. TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

- W. REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

**TEMPORARY/FINAL SIGNS**

- X. NOTIFY THE ENGINEER TWO (2) MONTHS BEFORE A TRAFFIC SIGNAL INSTALLATION BY OTHERS IS REQUIRED.

**MISCELLANEOUS**

- Y. IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAYS TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION, AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) AND RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

**PHASING NOTES**

PHASE 1 (SEE SHEETS TC-02 AND TC-03 FOR DETAIL)  
CLOSE THE INTERSECTION OF W 5TH STREET AND TYSON STREET/W 14TH STREET AND INSTALL DETOUR SIGNING IN ACCORDANCE WITH THE PLANS.

- CONSTRUCT ASPHALT PAVEMENT, CURB & GUTTER, SIDEWALK, ETC. IN ACCORDANCE WITH THE PLANS.



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WINSTON-SALEM, NC 27101  
www.davenport.com  
336.744.1036  
NCELS FRM LICENSE NO. C3632



PROJECT:	11-232
DATE:	11/25/14
DESIGNED BY:	JGT
DRAWN BY:	JGT
CHECKED BY:	DRG
SCALE:	AS NOTED

NO.	DATE	DESCRIPTION

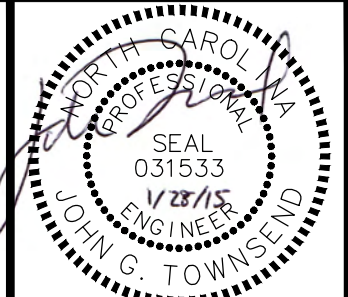


**CITY OF GREENVILLE**  
WEST FIFTH STREET/SCAPE  
PHASE II PROJECT

TITLE:  
TRAFFIC CONTROL PLAN

SHEET NO.  
TC-01





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PROJECT:	11-232
DATE:	11/25/14
DESIGNED BY:	JGT
DRAWN BY:	JGT
CHECKED BY:	DRG
SCALE:	AS NOTED

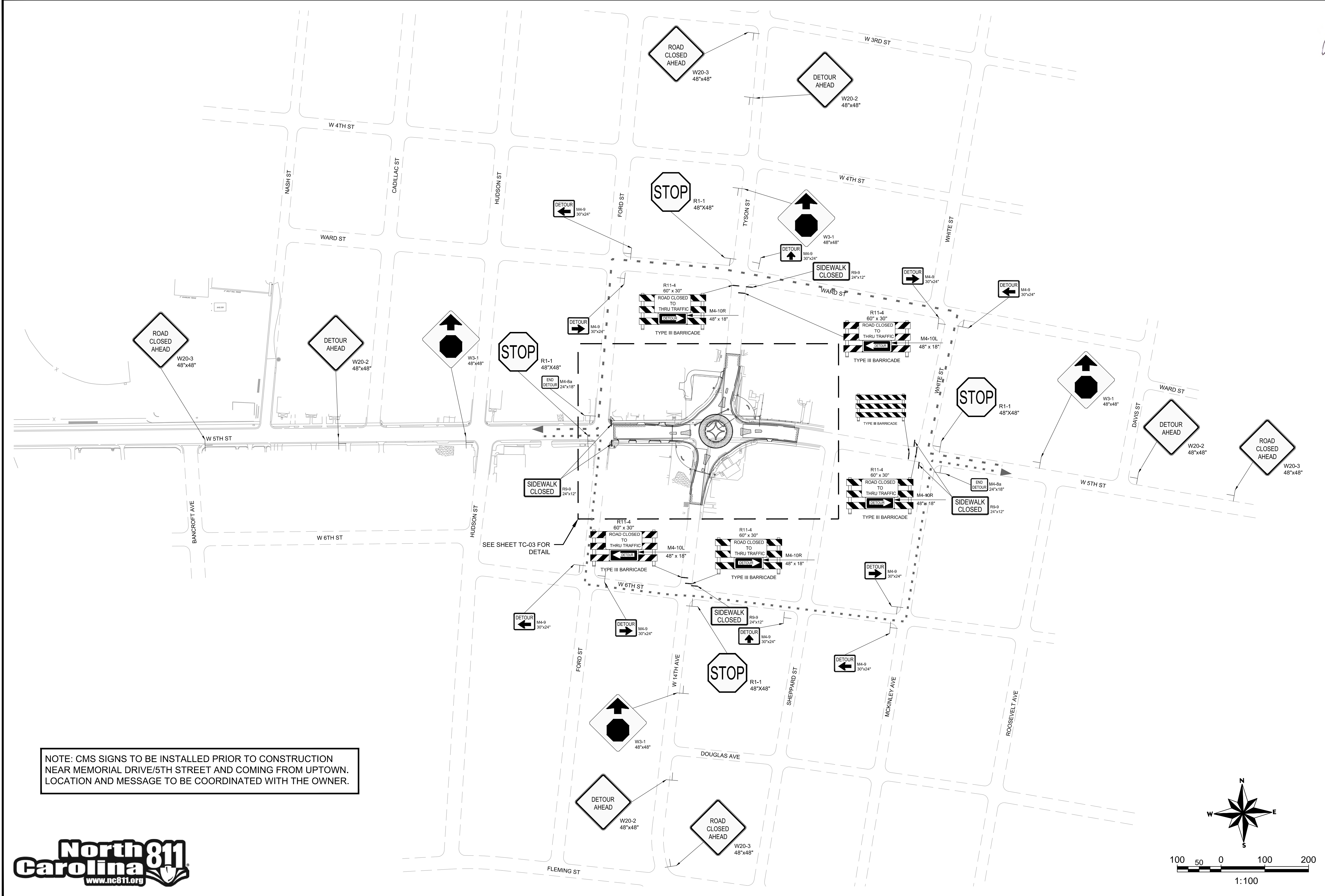
NO.	DATE	REVISIONS	DESCRIPTION



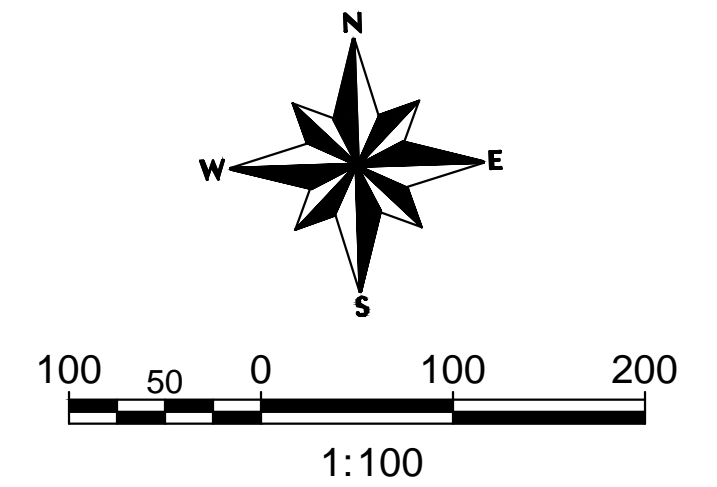
**CITY OF GREENVILLE**  
WEST FIFTH STREETSCAPE  
PHASE II PROJECT

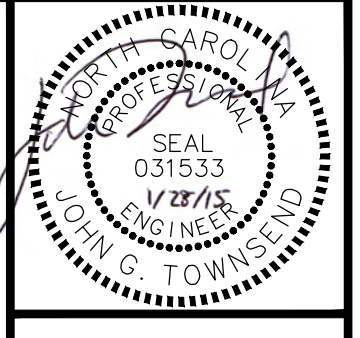
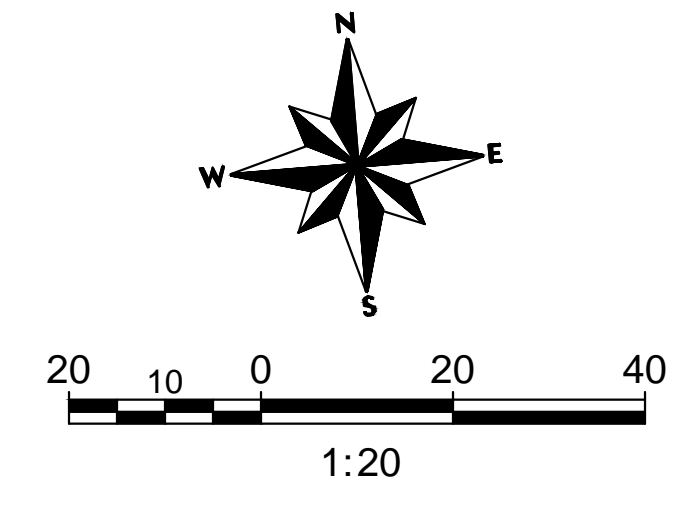
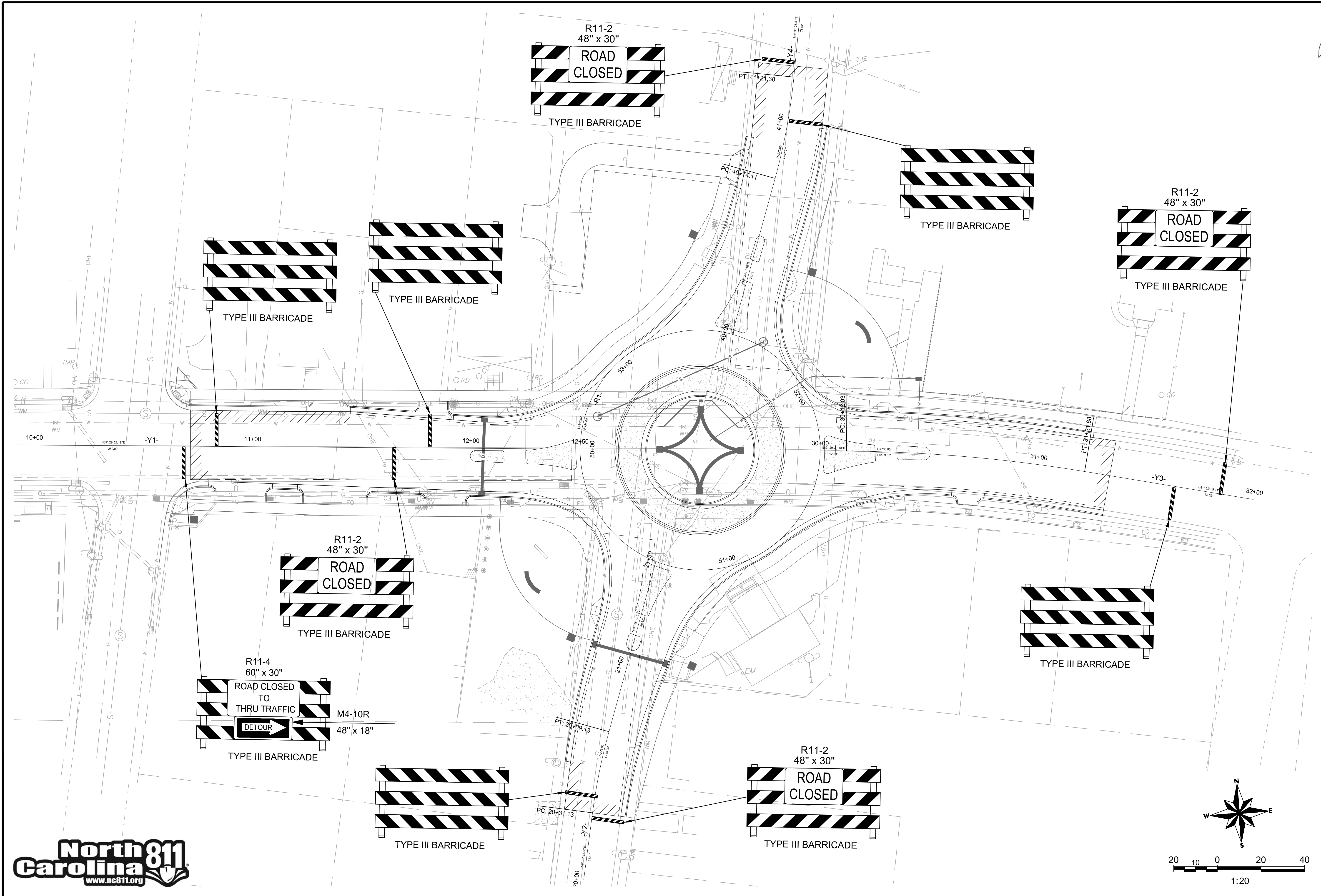
TITLE:  
**TRAFFIC CONTROL PLAN**

SHEET NO.  
**TC-02**



NOTE: CMS SIGNS TO BE INSTALLED PRIOR TO CONSTRUCTION NEAR MEMORIAL DRIVE/5TH STREET AND COMING FROM UPTOWN. LOCATION AND MESSAGE TO BE COORDINATED WITH THE OWNER.





FINAL

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PROJECT: 11-232  
 DATE: 11/25/14  
 DESIGNED BY: JGT  
 DRAWN BY: JGT  
 CHECKED BY: DRC  
 SCALE: AS NOTED

NO.	DATE	REVISIONS	DESCRIPTION



PROJECT: **CITY OF GREENVILLE**  
 WEST FIFTH STREETSCAPE  
 PHASE II PROJECT

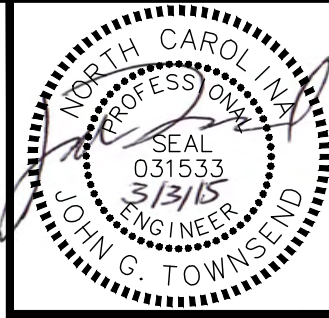
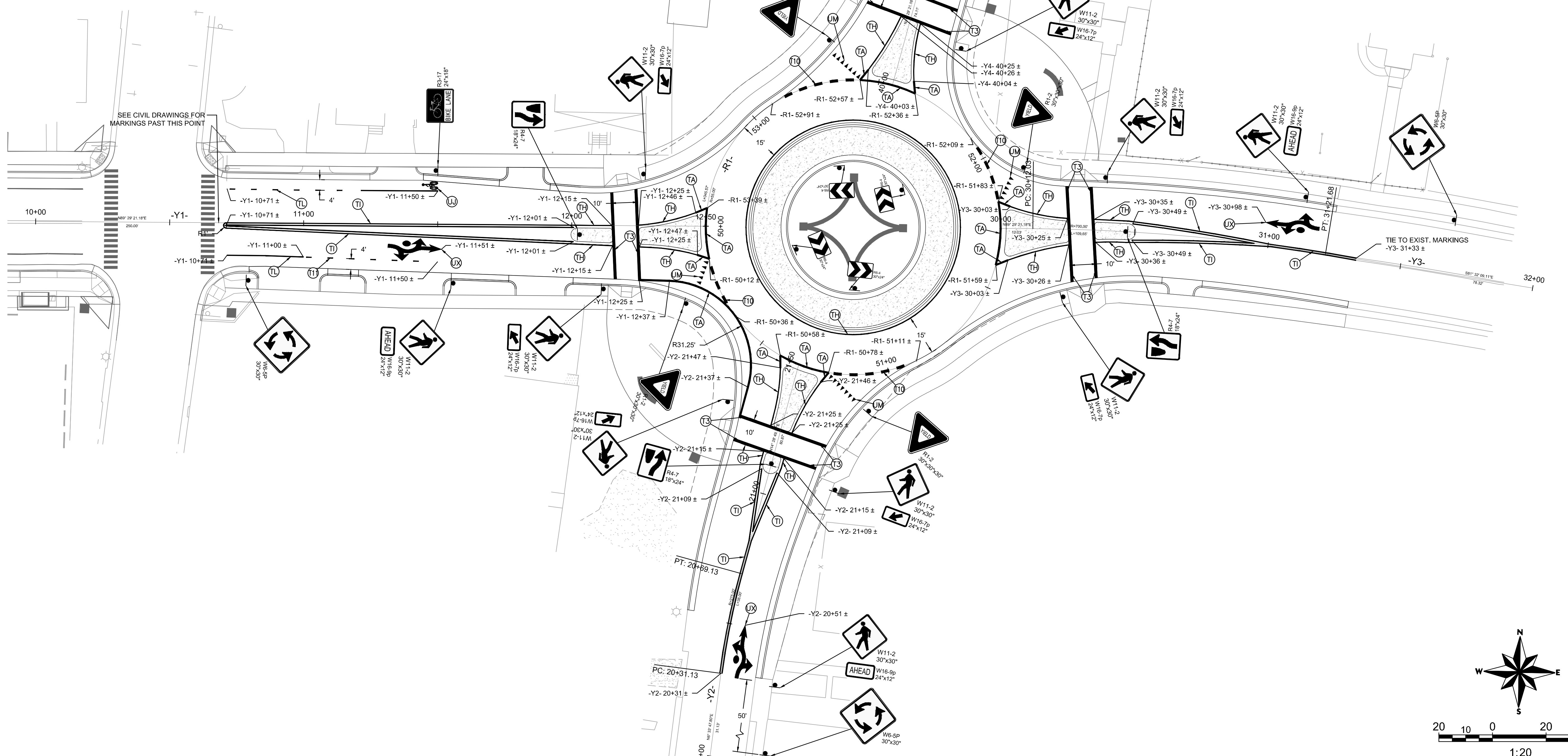
TITLE: **TRAFFIC CONTROL PLAN**

SHEET NO.  
**TC-03**

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**PAVEMENT MARKING LEGEND**

- T3 - THERMOPLASTIC - 120 MILS - WHITE CROSSWALK LINE (12")
- T10 - THERMOPLASTIC - 120 MILS - 3 FT.-3 FT./SP WHITE MINISKIP (12")
- T11 - THERMOPLASTIC - 90 MILS - 2 FT.-6 FT./SP WHITE MINISKIP (4")
- TA - THERMOPLASTIC - 120 MILS - WHITE EDGELINE (8")
- TH - THERMOPLASTIC - 120 MILS - YELLOW SOLID LANE LINE (4")
- TI - THERMOPLASTIC - 120 MILS - YELLOW DOUBLE CENTER (2 @ 4")
- TL - THERMOPLASTIC - 90 MILS - WHITE SOLID LANE LINE (4")
- UJ - THERMOPLASTIC - 90 MILS - BICYCLE SYMBOL
- UM - THERMOPLASTIC - 90 MILS - 12" YIELD LSHARK TEETH
- UX - THERMOPLASTIC - 90 MILS - 'FISH HOOK' TURN ARROW



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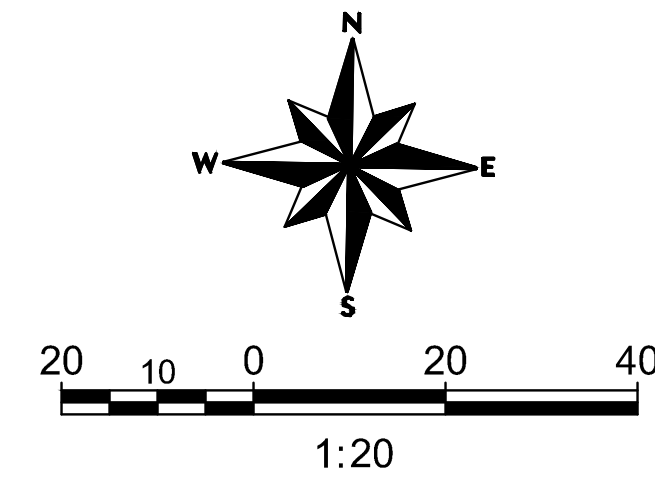
PROJECT: 11-232  
 DATE: 11/25/14  
 DESIGNED BY: JCT  
 DRAWN BY: JCT  
 CHECKED BY: DRC  
 SCALE: AS NOTED

NO.	DATE	REVISIONS	DESCRIPTION



**CITY OF GREENVILLE**  
 WEST FIFTH STREETSCAPE  
 PHASE II PROJECT

PROJECT: 11-232  
 TITLE: PAVEMENT MARKING AND SIGNING PLAN  
 SHEET NO. **PM-01**



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