



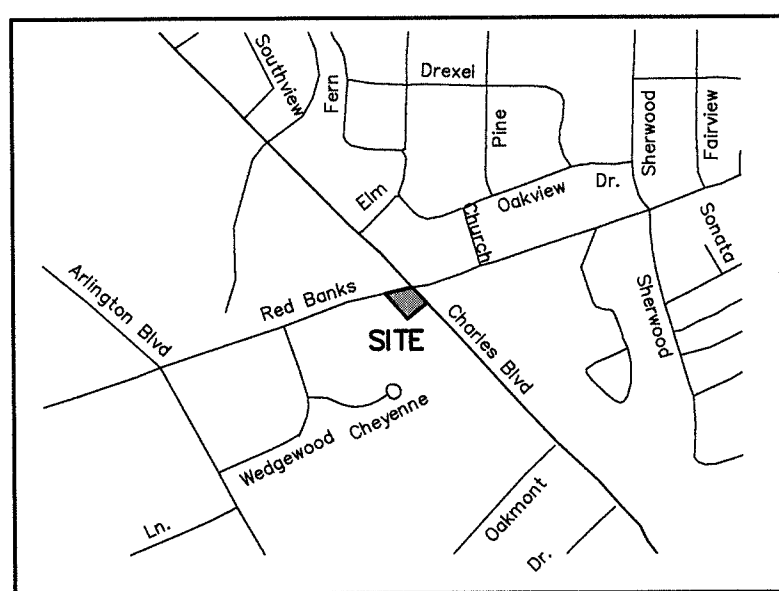
**CITY OF GREENVILLE**

**FIRE STATION NO. 3**

**CONCRETE PARKING LOT IMPROVEMENTS**

**TEG PROJECT NO. 20180024**  
**CITY OF GREENVILLE WORK ORDER NO. 2**

**ISSUE FOR BID**  
**May 10, 2018**



VICINITY MAP  
NOT TO SCALE



Engineering • Architecture  
Surveying • Technology

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NC Engineering License No. C-0206  
NC Architectural License No. 50213  
NC Landscape Architectural License No. C-427



Greenville  
NORTH  
CAROLINA



**SITE DATA:**

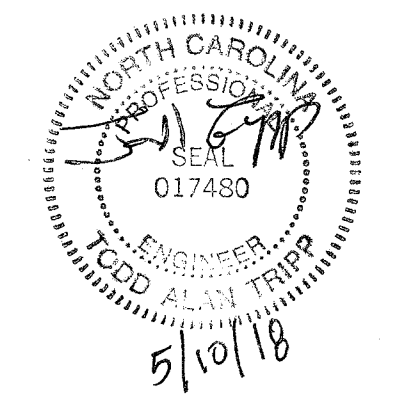
TOTAL ACREAGE.....1.13 AC.  
ZONING.....OR  
OWNER NAME.....CITY OF GREENVILLE  
PROPERTY ADDRESS.....2400 CHARLES BLVD.  
PROPERTY DESCRIPTION.....FIRE STATION #3  
PARCEL No.....33085  
PIN No.....4697710171  
DEED BOOK/ PAGE.....DB F53 PG 718  
MAP BOOK.....MB 25 PG 96  
MUNICIPALITY.....GREENVILLE  
TOWNSHIP.....WINTERVILLE  
NEIGHBORHOOD.....004040  
BUILDING TYPE/USE.....OFF CONST (OTHERMUNICIP)  
PARKING SPACES  
PROPOSED SPACES.....16  
IMPERVIOUS AREA  
PROPOSED (NO NET INCREASE).....0.00 AC.  
DISTURBED AREA.....0.32 AC.

**LEGEND**

COP = CONCRETE DUMPSTER PAD  
C&G = CURB & GUTTER  
C.J. = CONTROL JOINT  
COL = COLUMN  
CP = CONCRETE PAD  
CSW = CONCRETE SIDEWALK  
EX = EXISTING  
FFE = FINISH FLOOR ELEVATION  
FP = FLAG POLE  
SI = SIGN  
TYP. = TYPICAL

**SITE PLAN NOTES:**

1. ALL PARKING LOT/DRIVE DIMENSIONS, ANGLES AND RADII ARE TO BACK OF CURB WHERE APPLICABLE.
2. PARKING LOT SHALL BE STRIPED IN ACCORDANCE WITH THIS PLAN.
3. ALL REQUIRED IMPROVEMENTS SHALL CONFORM TO THE CITY OF GREENVILLE MANUAL OF STANDARD DESIGNS AND DETAILS (MS&D).
4. SITE SHALL MEET ALL RELATED ACCESSIBILITY REQUIREMENTS.
5. CONTRACTOR MUST NOTIFY ONE-CALL CENTER, INC. (NC ONE-CALL) (1-800-832-4949) AT LEAST 48 HOURS PRIOR TO THE START OF EXCAVATION OR TRENCHING TO HAVE ALL UNDERGROUND UTILITIES LOCATED.



REV	DATE	DESCRIPTION	BY	CHK	MSC	MSC
A	5/2/18	ISSUE FOR FINAL REVIEW	SLJ	TJH		
B	5/10/18	ISSUE FOR BID				

REG PROJECT NO: 20180024

CLIENT PROJECT NO: -

CITY OF GREENVILLE  
FIRE STATION NO. 3  
CONCRETE PARKING  
LOT IMPROVEMENTS

DRAWING TITLE

SITE PLAN

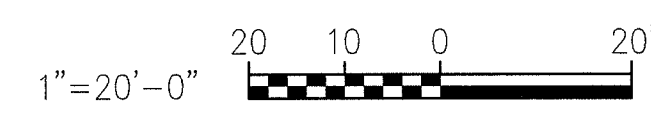
DRAWING NO:

C1.1

- NOTES:
- 1) THIS PROPERTY IS SUBJECT TO THE TAR/PAMLICO RIVER RIPARIAN BUFFER RULES.
  - 2) THE SURVEYOR MAKES NO GUARANTEE THAT THERE ARE NO OTHER EASEMENTS THAT MAY BENEFIT OR BURDEN THE SUBJECT PROPERTY.
  - 3) THIS PROPERTY IS LOCATED IN ZONE X AND IS NOT IN A SPECIAL FLOOD HAZARD AREA AS TAKEN FROM N.F.I.P. RATE MAP DATE 07/07/14 COMMUNITY PANEL NUMBER 3720468700K.
  - 4) SPOT ELEVATIONS & CONTOURS ESTABLISHED FROM LYNNDALE (NAVD 1988 ELEVATION = 74.69).
  - 5) PROPERTY LINES SHOWN AS DASHED REPRESENT LINES NOT SURVEYED.
  - 6) THE SURVEYOR DID NOT DELINEATE OR LOCATE ANY WETLANDS ON THE SUBJECT PROPERTY.
  - 7) SUBSURFACE UTILITIES SHOWN ARE THE APPROXIMATE LOCATION AS TAKEN FROM DRAWINGS PROVIDED BY GREENVILLE UTILITIES COMMISSION AND ABOVE GROUND EVIDENCE.

**CIVIL SHEETS**

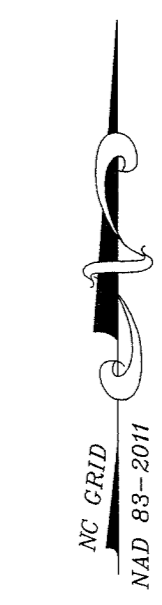
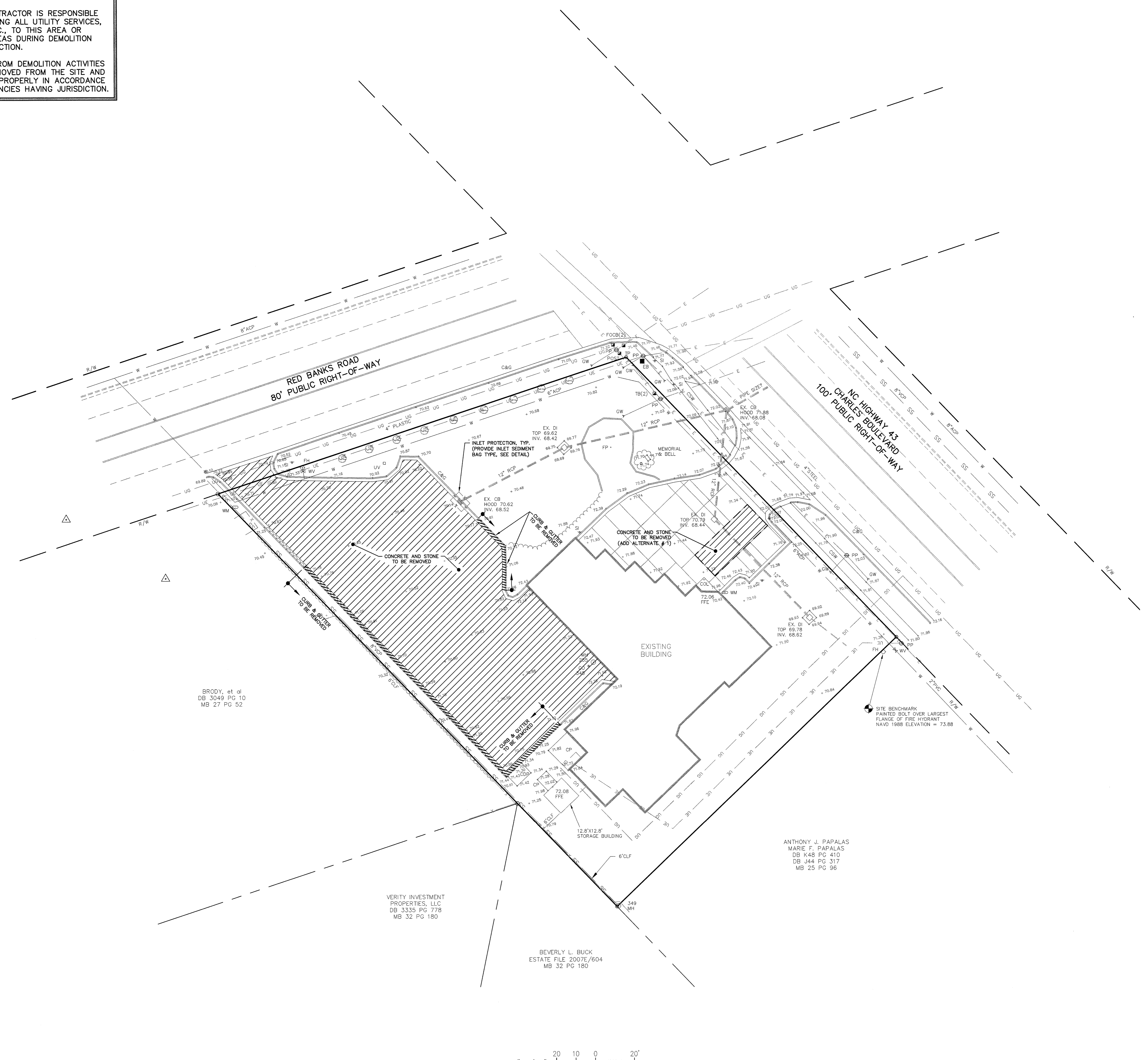
- C1.1 SITE PLAN
- C1.2 CURRENT CONDITIONS/  
DEMOLITION PLAN
- C2.1 GENERAL GRADING, DRAINAGE,  
EROSION & SEDIMENTATION  
CONTROL PLAN
- C3.1 GRADING, DRAINAGE, EROSION &  
SEDIMENTATION CONTROL AND  
PAVEMENT DETAILS



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NOTE:  
GENERAL CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL UTILITY SERVICES, DRAINAGE, ETC., TO THIS AREA OR ADJACENT AREAS DURING DEMOLITION AND CONSTRUCTION.

ALL DEBRIS FROM DEMOLITION ACTIVITIES SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY IN ACCORDANCE WITH ALL AGENCIES HAVING JURISDICTION.



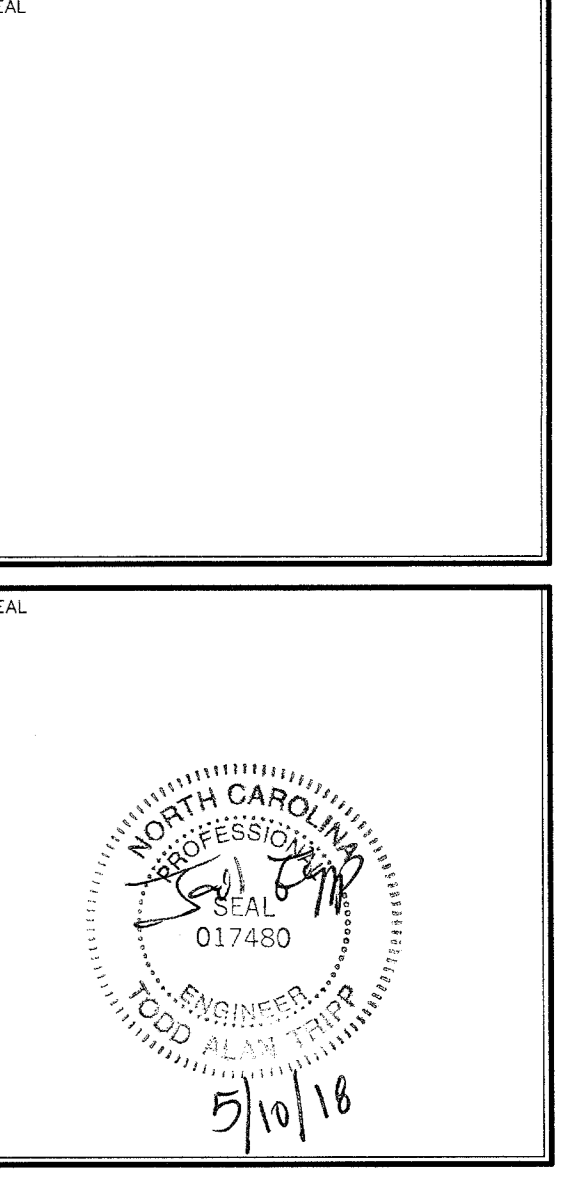
LEGEND

- ACP = ASBESTOS CONCRETE PIPE
- CB = CATCH BASIN
- CDP = CONCRETE DUMPSTER PAD
- C&G = CURB & GUTTER
- C.J. = CONTROL JOINT
- CLF = CHAIN LINK FENCE
- CO = CLEAN OUT
- COL = COLUMN
- CP = CONCRETE PAD
- CSW = CONCRETE SIDEWALK
- DI = DROP INLET
- EB = ELECTRIC BOX
- EX = EXISTING
- FPE = FINISH FLOOR ELEVATION
- FH = FIRE HYDRANT
- FDCB = FIBER OPTIC CABLE BOX
- FP = FLAG POLE
- GW = GUY WIRE
- INV. = INVERT
- M.E. = MATCH EXISTING
- MH = MANHOLE
- NO POINT SET
- OT = OAK TREE
- PCT = PECAN TREE
- PP = POWER POLE
- RCP = REINFORCED CONCRETE PIPE
- R/W = RIGHT-OF-WAY
- SI = SIGN
- TB/TP = TELEPHONE BOX/PEDESTAL
- TYP. = TYPICAL
- VCP = VITRIFIED CONCRETE PIPE
- WM = WATER METER
- WV = WATER VALVE
- YL = YARD LIGHT
- EXISTING CONTOUR
- EX SPOT ELEVATION
- OVERHEAD ELECTRIC
- COMMUNICATIONS LINE (INCLUDES TRAFFIC SIGNAL WIRES)
- T = TELEPHONE
- SS = SEWER LINE
- UG = EX. STORM DRAIN
- W = UNDERGROUND GAS
- W = WATER LINE
- UE = UNDERGROUND ELECTRIC
- IP = INLET PROTECTION

DEMOLITION LEGEND:

- CONCRETE TO BE REMOVED
- CURB & GUTTER TO BE REMOVED

- DEMOLITION NOTES:
- BACKFILL ALL REMOVED UTILITY TRENCHES, TREE REMOVAL, ETC. WITH SELECT FILL, COMPACTED TO 98% STANDARD PROCTOR.
  - CONTRACTOR IS RESPONSIBLE FOR CLEAN OUT OF EXISTING STORM DRAINAGE LOCATED WITHIN THE CONSTRUCTION LIMITS.
  - ALL CONCRETE AND ASPHALT REMOVED SHALL BE SAW CUT OR REMOVED TO NEXT EXPANSION JOINT.
  - PROVIDE TREE PROTECTION FENCING TO ALL EXISTING TREES WITHIN 10' OF CONSTRUCTION LIMITS.
  - ROOF DRAINAGE ON ALL ADJACENT BUILDINGS MUST BE MAINTAINED DURING CONSTRUCTION.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL STORM WATER DRAINAGE OUTFALLS DURING CONSTRUCTION. G.C. SHALL COORDINATE CONSTRUCTION OF PROPOSED MAIN DRAINAGE OUTFALL LINES PRIOR TO DEMOLITION OF EXISTING LINES.
  - NEW STORM DRAINAGE SHALL BE INSTALLED PRIOR TO DEMOLITION OF EXISTING STORM DRAINAGE, TO THE EXTENT POSSIBLE, TO PREVENT FLOODING OF EX. FACILITIES.
  - LOCATION OF WATER AND SEWER SERVICES ARE APPROXIMATE AND SHALL BE VERIFIED PRIOR TO ANY EXCAVATION OCCURRING ON SITE.
  - CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS FROM DAMAGE DURING CONSTRUCTION AND SHALL RESTORE ANY DAMAGED IMPROVEMENTS AT THE END OF CONSTRUCTION.



REV	DATE	DESCRIPTION	CHK	BY
A	5/2/18	ISSUE FOR FINAL REVIEW	MSC	SLJ
B	5/10/18	ISSUE FOR BID	MSC	TJH

REG. PROJECT NO. 20180024  
 CLIENT PROJECT NO. ---  
 PROJECT TITLE  
**CITY OF GREENVILLE  
 FIRE STATION NO. 3  
 CONCRETE PARKING  
 LOT IMPROVEMENTS**

DRAWING TITLE  
**CURRENT  
 CONDITIONS/  
 DEMOLITION PLAN**

DRAWING NO.  
**C1.2**

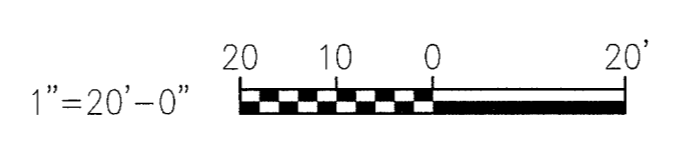
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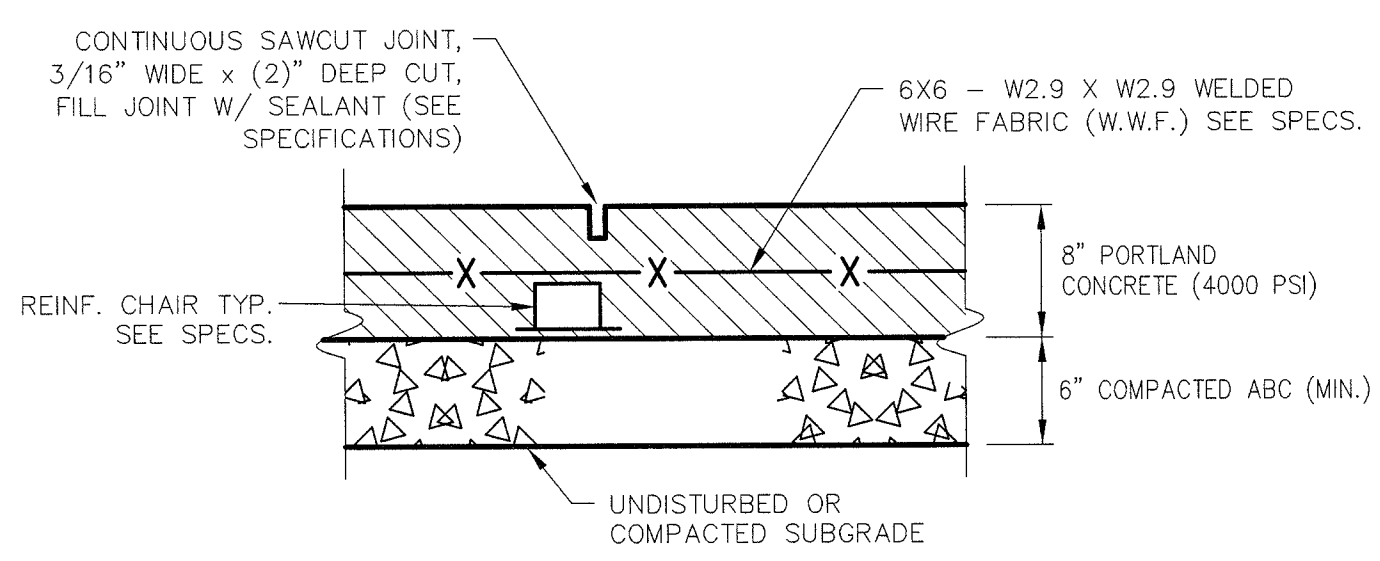
BRODY, et al  
 DB 3049 PG 10  
 MB 27 PG 52

VERITY INVESTMENT  
 PROPERTIES, LLC  
 DB 3335 PG 778  
 MB 32 PG 180

BEVERLY L. BUCK  
 ESTATE FILE 2007E/604  
 MB 32 PG 180

ANTHONY J. PAPALAS  
 MARIE F. PAPALAS  
 DB K48 PG 410  
 DB J44 PG 317  
 MB 25 PG 96





**NOTE:**  
WELDED WIRE FABRIC IN SHEETS SHALL BE USED ONLY,  
ROLLS NOT PERMITTED.

- NOTE:**
- LAP W.W.F. ONE FULL MESH PANEL & TIE SECURELY.
  - CONTROL JOINT IS TO BE USED WHERE SHOWN ON PLAN. USE A CONSTRUCTION JOINT AT ENDS OF POUR.

**1 REINFORCED CONCRETE PAVEMENT SECTION**  
C2.1 N.T.S.

**GRADING NOTES:**

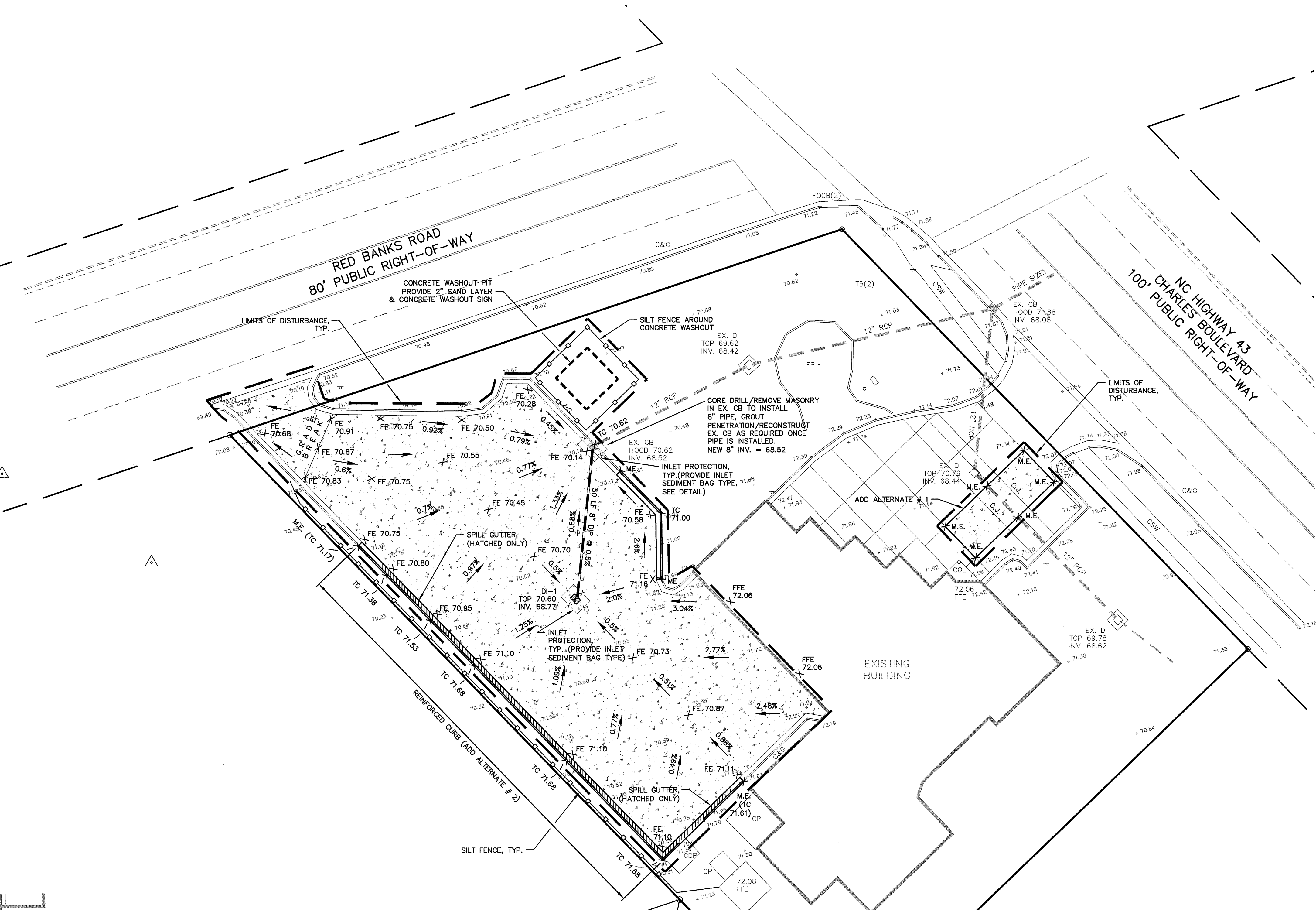
- PRIOR TO PLACING AGGREGATE BASE, IT IS RECOMMENDED THAT ALL PARKING AND DRIVEWAY AREAS BE ROLLED WITH A VIBRATORY ROLLER TO CONSOLIDATE LOOSE SOILS IN THE UPPER SUBGRADE. CONTRACTOR SHALL CONTACT THE ENGINEER AFTER AREAS HAVE BEEN ROLLED AND PRIOR TO PLACING AGGREGATE BASE.
- ALL AGGREGATE SHALL BE COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D998).
- CONCRETE PAVEMENT DESIGN SHALL BE 6" AGGREGATE BASE COURSE WITH 8" CONCRETE.
- ALL CULVERT CLEANOUT MUST BE DONE SUCH THAT THE SEDIMENT IS EITHER EXTRACTED OR BLOWN UPSTREAM FOR CLEANUP. UNDER NO CIRCUMSTANCES SHALL SEDIMENT BE BLOWN DOWNSTREAM.
- GRADING CONTRACTOR SHALL TEMPORARY SEED AND MULCH ALL DISTURBED AREAS IN ACCORDANCE WITH THE SPECIFICATIONS WITHIN 14 DAYS OF COMPLETION OF GRADING WORK. UPON COMPLETION OF THE PROJECT, THE GENERAL CONTRACTOR SHALL INSTALL PERMANENT SEEDING AS OUTLINED IN THE SPECIFICATIONS. ALL DRAINAGE PIPES SHALL BE CLEANED BY THE GENERAL CONTRACTOR TO REMOVE ANY SEDIMENTS THAT HAVE ACCUMULATED.

**EROSION CONTROL NOTES:**

- INSTALL INLET PROTECTION AROUND ALL CATCH BASINS, DROP INLETS OR INLET STRUCTURES WITHIN THE CONSTRUCTION/DISTURBED AREA.
- CONTRACTOR SHALL PROVIDE MEASURES TO CLEAN ANY SOILS OR SEDIMENT THAT IS TRACKED, PLACED, OR FLOWS ONTO EXISTING PAVEMENT SURFACES THAT ARE TO REMAIN.
- PROVIDE INLET SEDIMENT PROTECTION USING INLET SEDIMENT BAG AT CATCH BASINS AND DROP INLETS. ONCE CURBING AND STONE IS INSTALLED, PROTECTION SHOULD BE UTILIZED UNTIL SITE IS STABILIZED.

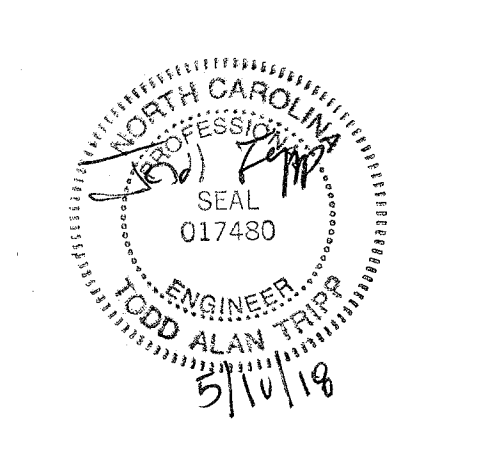
**MAINTENANCE PLAN:**

- ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND SEPARATION FOLLOWING EVERY 0.5" OVER 24-HOUR PERIOD RAINFALL EVENT, BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
- SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES 0.5 FT DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
- EMPTY INLET SEDIMENT BAG IF MORE THAN HALF FILLED WITH SEDIMENT AND DEBRIS, OR AS DIRECTED, REPLACE BAG IF TORN OR PUNCTURED TO >1/2" DIAMETER ON LOWER HALF OF BAG.



**SITE DATA:**  
TOTAL ACREAGE.....1.13 AC.  
IMPERVIOUS AREA.....0.00 AC.  
PROPOSED (NO NET INCREASE).....0.00 AC.  
DISTURBED AREA.....0.32 AC.

- LEGEND**
- CB = CATCH BASIN
  - CDP = CONCRETE DUMPSTER PAD
  - C&G = CURB & GUTTER
  - C.J. = CONTROL JOINT
  - CLF = CHAIN LINK FENCE
  - COL = COLUMN
  - CP = CONCRETE PAD
  - CSW = CONCRETE SIDEWALK
  - DI = DROP INLET
  - EX = EXISTING
  - FE = FINISHED ELEVATION
  - FFE = FINISH FLOOR ELEVATION
  - FP = FLAG POLE
  - INV. = INVERT
  - M.E. = MATCH EXISTING
  - = NO POINT SET
  - RCP = REINFORCED CONCRETE PIPE
  - R/W = RIGHT-OF-WAY
  - SI = SIGN
  - TC = TOP OF CURB
  - TYP. = TYPICAL
  - = EXISTING CONTOUR
  - = EX. SPOT ELEVATION
  - = EX. STORM DRAIN
  - = PROPOSED STORM DRAIN
  - = SILT FENCE
  - = LIMITS OF DISTURBANCE
  - = PROPOSED CONTOUR
  - = INLET PROTECTION

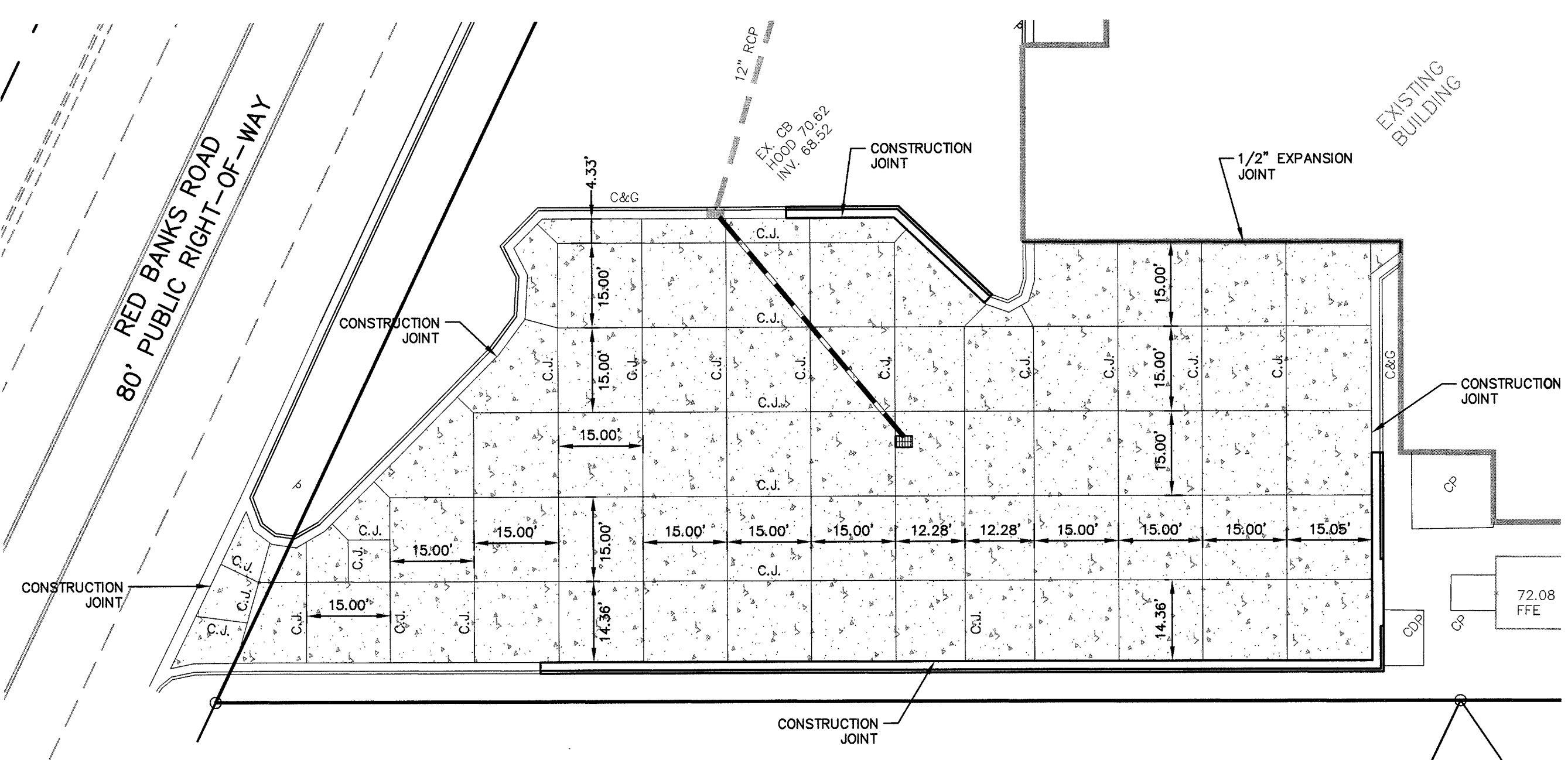


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A	5/2/18	ISSUE FOR FINAL REVIEW	SLJ	MSC
B	5/10/18	ISSUE FOR BID	TJH	MSC

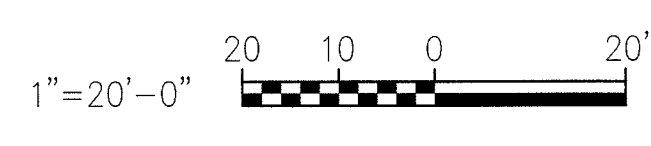
PROJECT NO. 20180024  
CLIENT PROJECT NO. ---  
PROJECT TITLE  
**CITY OF GREENVILLE  
FIRE STATION NO. 3  
CONCRETE PARKING  
LOT IMPROVEMENTS**  
DRAWING TITLE  
**GENERAL  
GRADING,  
DRAINAGE,  
EROSION &  
SEDIMENT  
CONTROL PLAN**

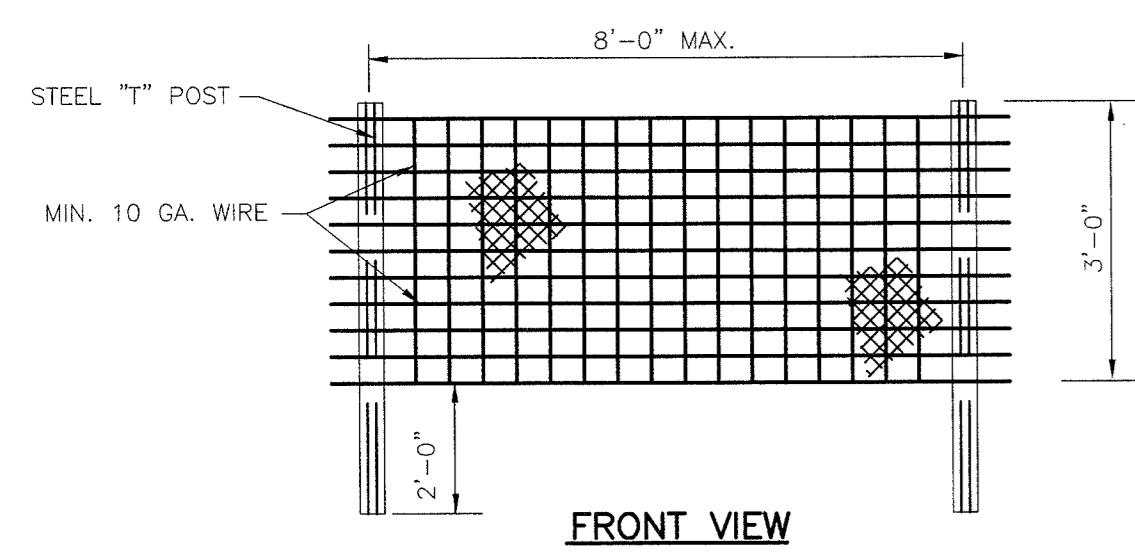
DRAWING NO.  
**C2.1**

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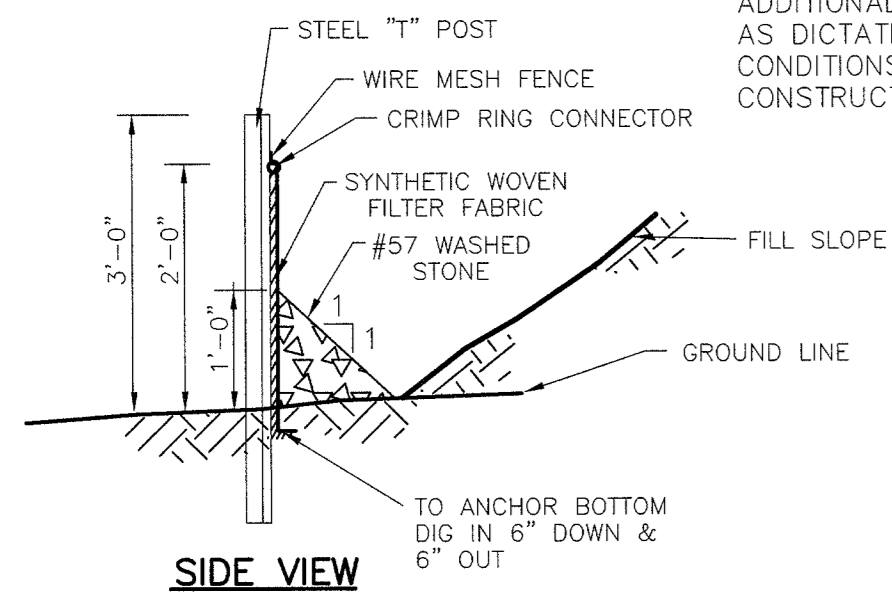
**CONTROL JOINT LAYOUT**  
SCALE: 1"=20'



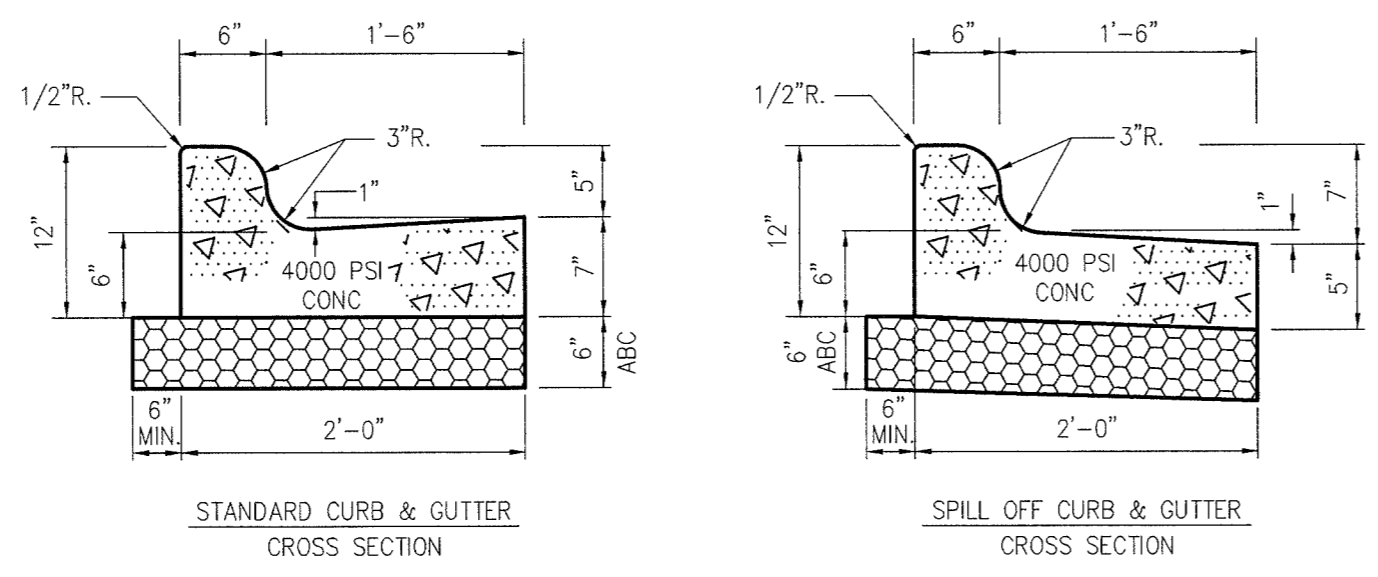


FRONT VIEW

NOTE:  
SEE SHEET C2.  
ENGINEER MAY REQUIRE  
ADDITIONAL SILTFENCE  
AS DICTATED BY SITE  
CONDITIONS DURING  
CONSTRUCTION.



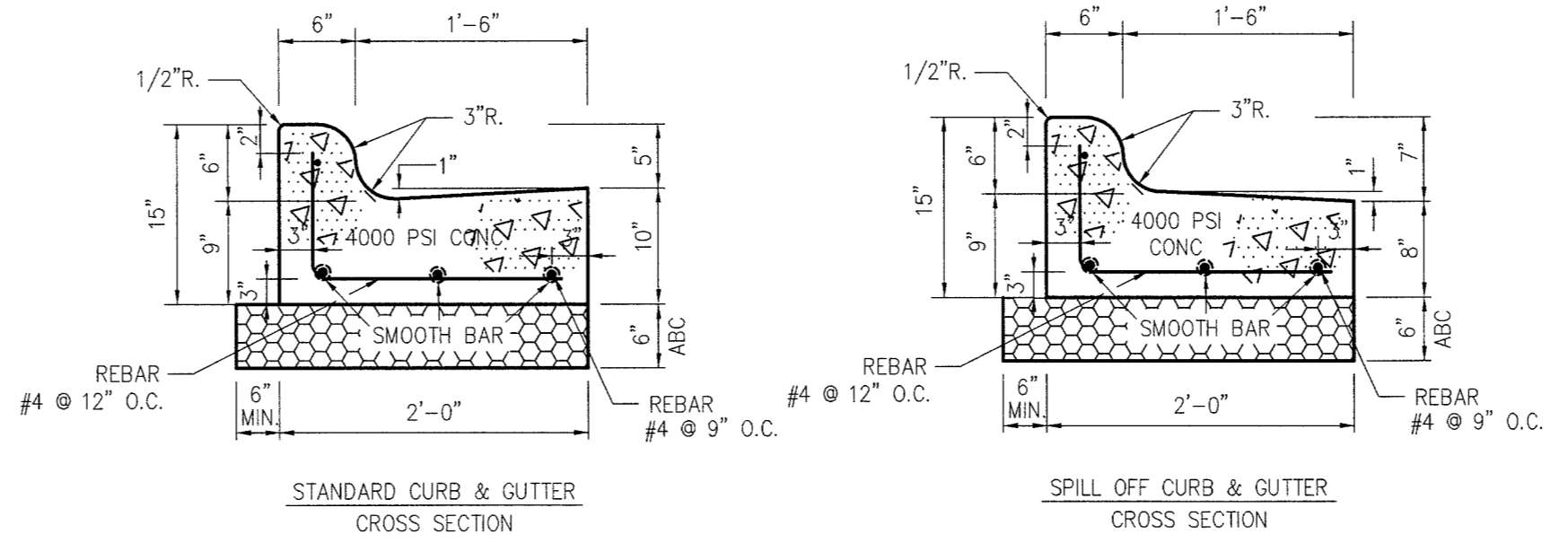
SIDE VIEW



STANDARD CURB & GUTTER  
CROSS SECTION

SPILL OFF CURB & GUTTER  
CROSS SECTION

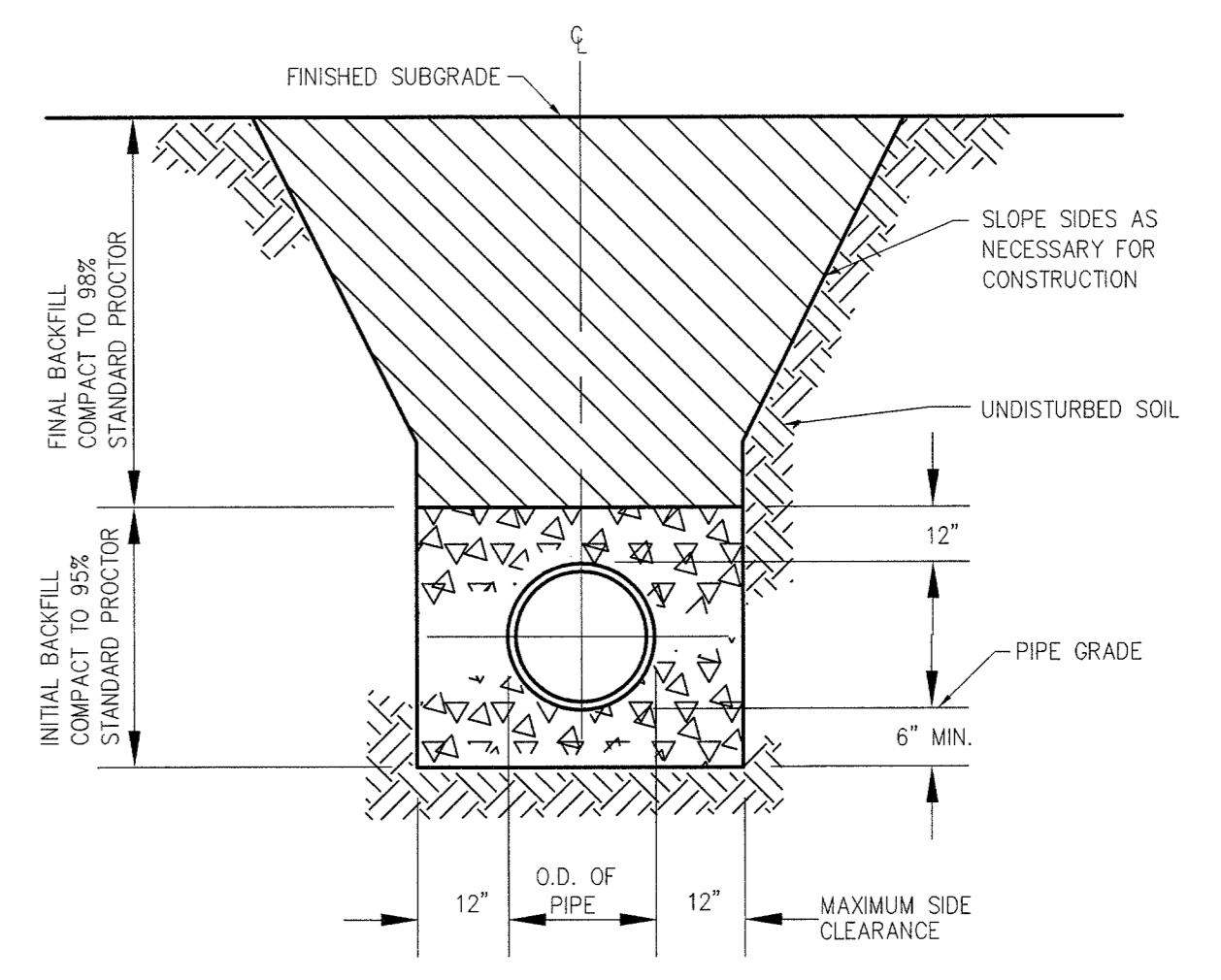
NOTE:  
USE "STANDARD TYPE" C&G UNLESS OTHERWISE NOTED ON PLANS.



STANDARD CURB & GUTTER  
CROSS SECTION

SPILL OFF CURB & GUTTER  
CROSS SECTION

NOTE:  
USE "STANDARD TYPE" C&G UNLESS OTHERWISE NOTED ON PLANS.



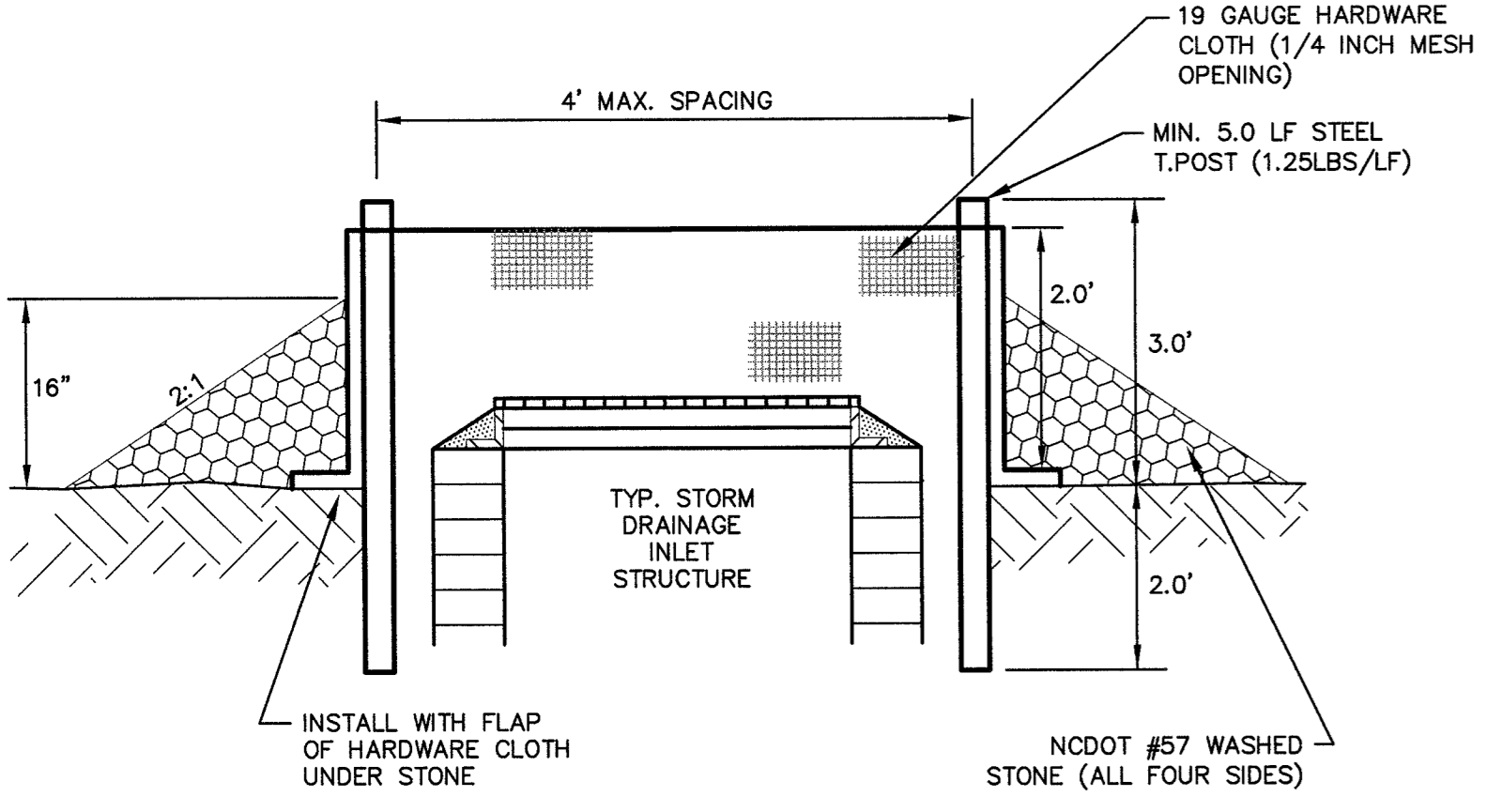
STORM DRAIN TRENCH DETAIL

1 SILT FENCE DETAIL  
C3.1 N.T.S.

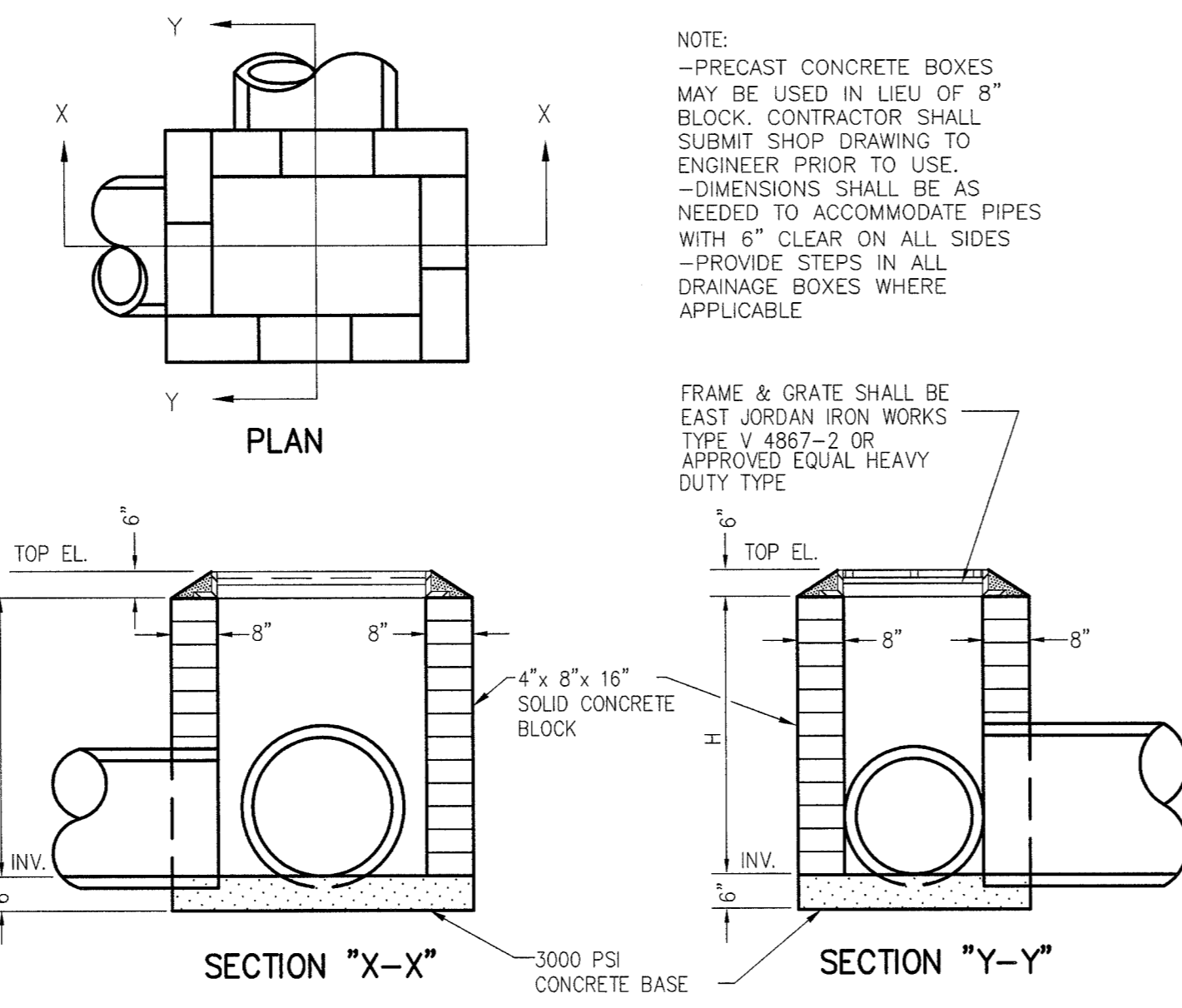
2 TYPICAL CURB & GUTTER DETAIL  
C3.1 N.T.S. (SPILL & STANDARD)

3 REINFORCED CURB & GUTTER DETAIL  
C3.1 N.T.S. (SPILL & STANDARD)

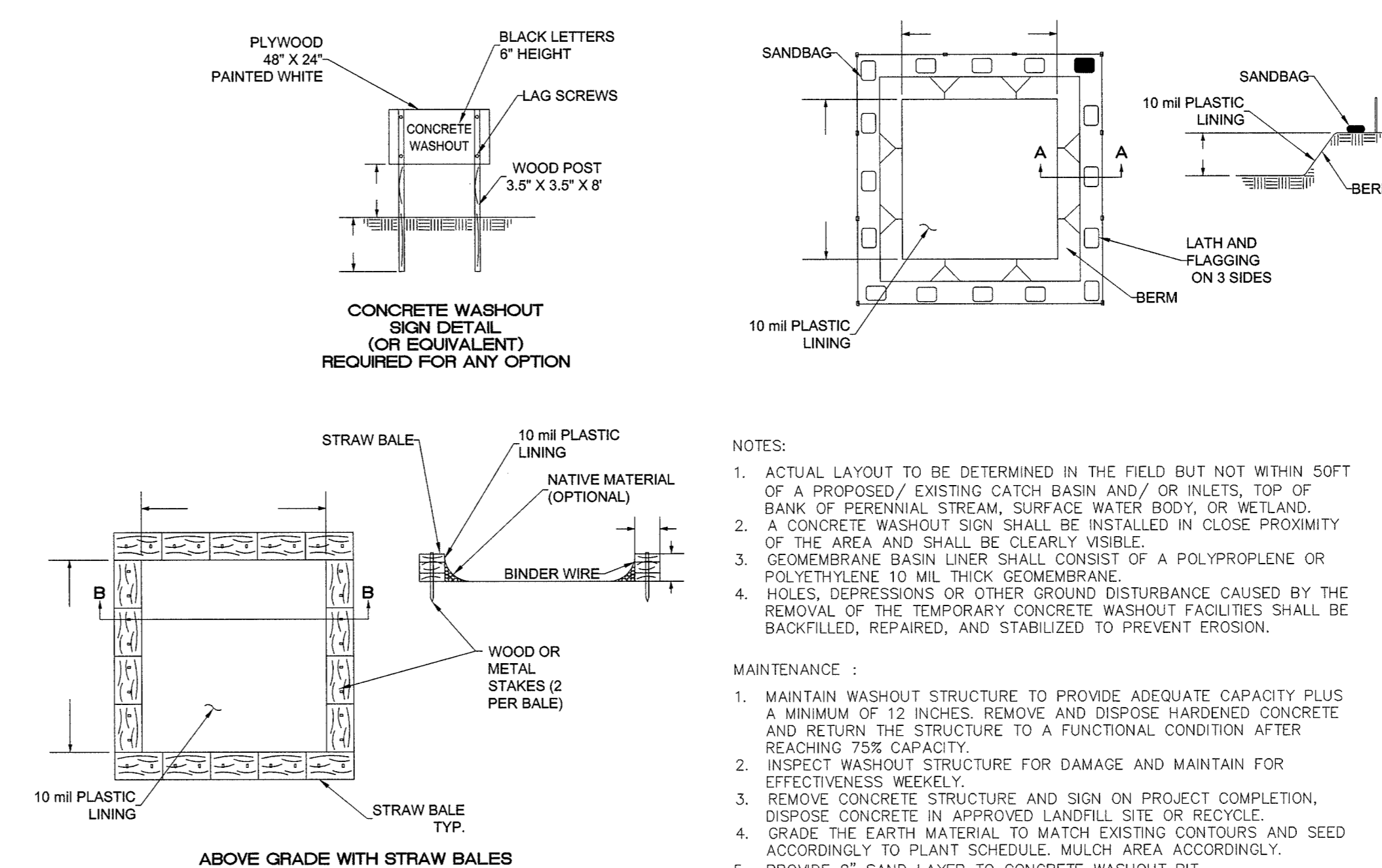
4 STORM DRAIN TRENCH DETAIL  
C3.1 N.T.S.



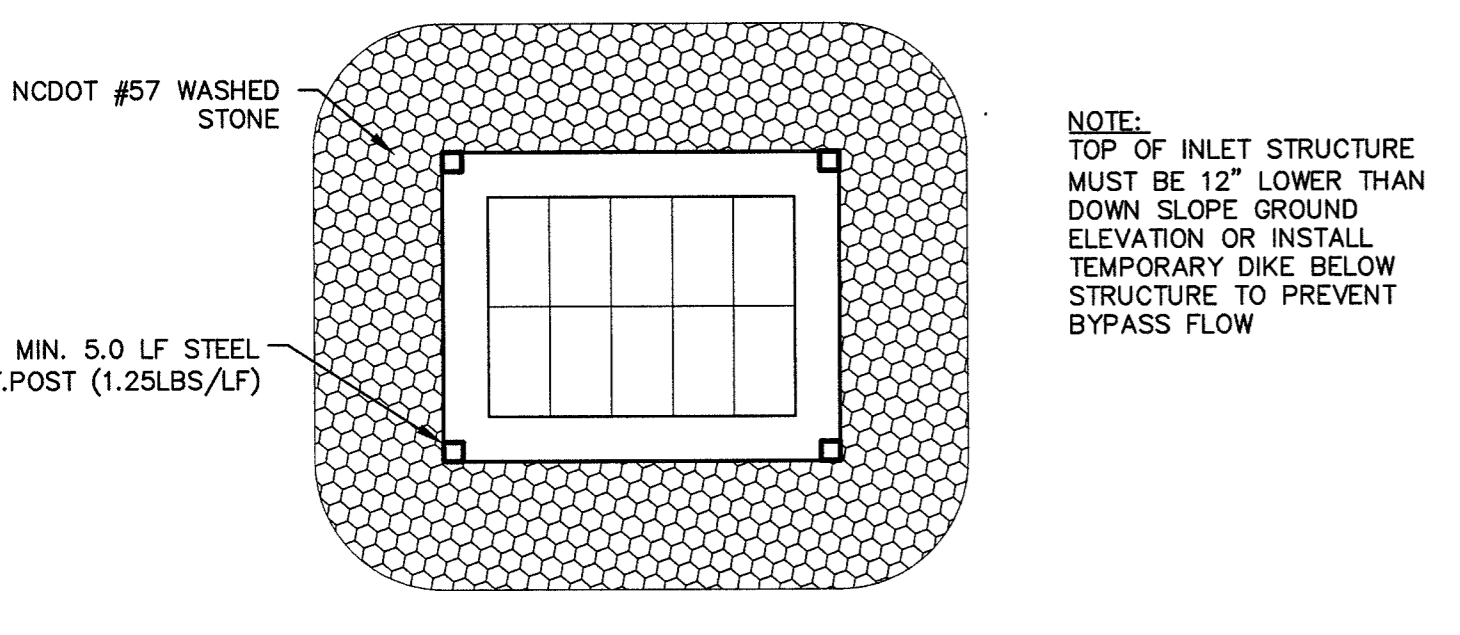
5 HARDWARE CLOTH & GRAVEL  
INLET PROTECTION  
C3.1 N.T.S.



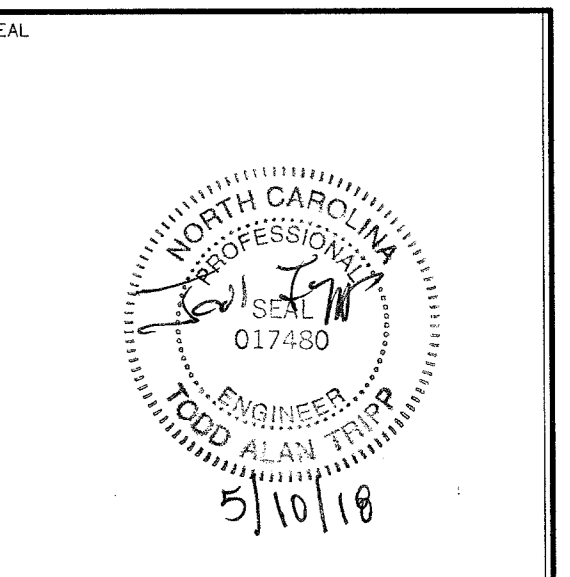
6 DROP INLET DETAIL  
C3.1 N.T.S.



7 CONCRETE WASHOUT DETAIL  
C3.1 N.T.S.



8 INLET SEDIMENT BAG DETAIL  
C3.1 N.T.S.



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TEC PROJECT NO.: 20180024  
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FIRE STATION NO. 3  
CONCRETE PARKING  
LOT IMPROVEMENTS**  
DRAWING TITLE:  
**GRADING,  
DRAINAGE,  
EROSION &  
SEDIMENTATION  
CONTROL & PVM.T.  
DETAILS**

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