

A:\2018\182-461\CD00\DWG\182-461-CD01-CD00.dwg[EXPORT] LS(8/17/2018 - 5pm) - LP 8/17/2018 11:12 AM

- NOTES:
1. ALL ABOVE GRADE STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE DEMOLISHED AND REMOVED AS PART OF THIS CONTRACT. INCLUDING BUT NOT LIMITED TO: CURBING, SIDEWALK PAVEMENT, CLOTHESLINES, TREES, SHRUBS AND RETAINING WALLS NOT IDENTIFIED TO REMAIN.
  2. BUILDING AREAS ARE APPROXIMATE. CONTRACTOR SHOULD VERIFY.
  3. CONTRACTOR TO INSTALL PERIMETER SECURITY FENCING AROUND PROJECT AREA.
  4. BEFORE ANY STORMWATER INFRASTRUCTURE IS ABANDONED, CONTRACTOR SHALL CONTACT DAVID HAGERMAN (865-215-3215) TO COORDINATE ABANDONMENT OF STORMWATER INFRASTRUCTURE.



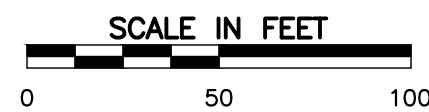
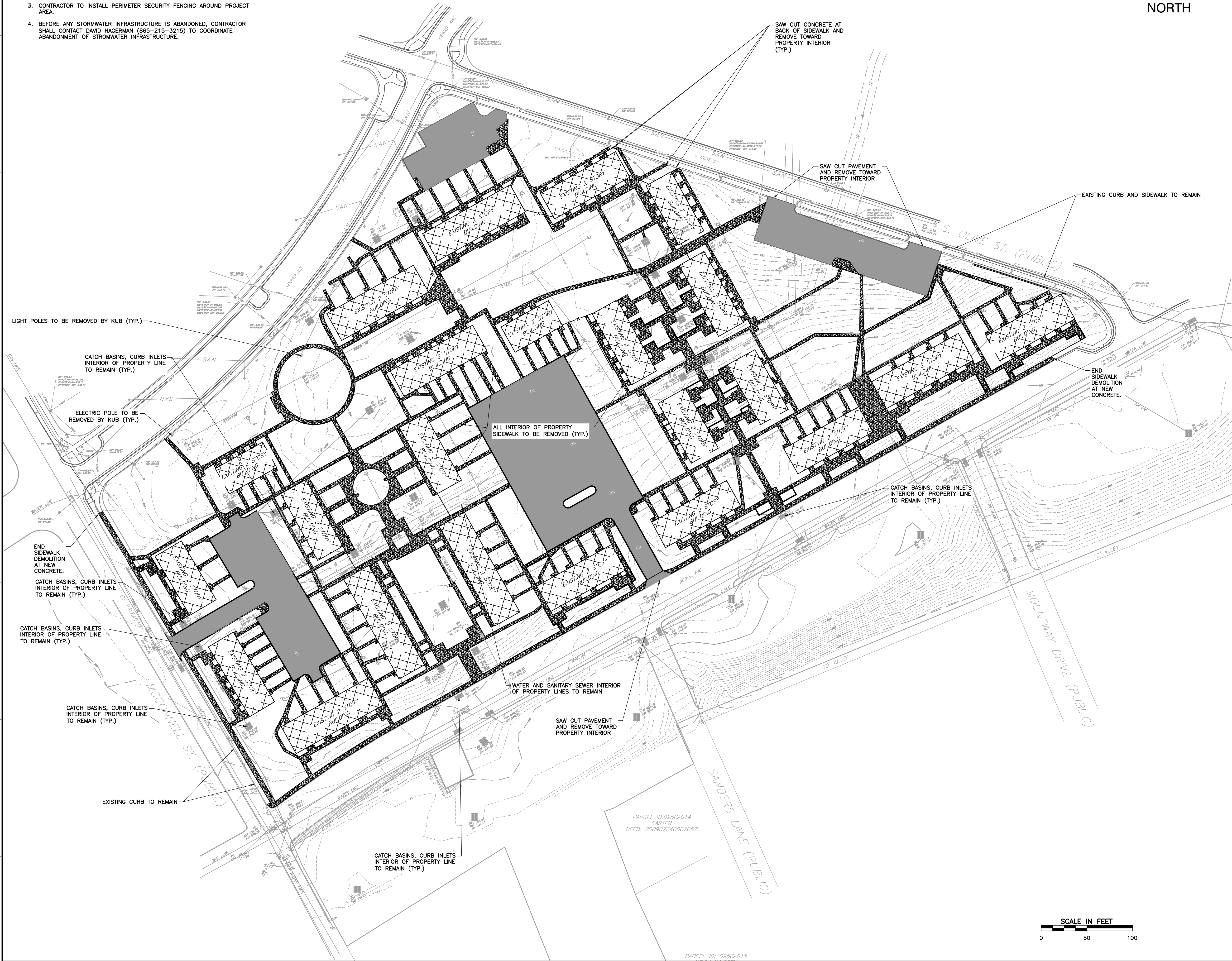
EXISTING LEGEND:

- EXISTING PROPERTY LINE/RIGHT-OF-WAY
- EXISTING EASEMENT
- SAN EXISTING SANITARY SEWER LINE
- CS EXISTING COMBINED SEWER LINE
- ST EXISTING STORM SEWER LINE
- UG-E EXISTING UNDERGROUND ELEC. LINE
- OH-E EXISTING OVERHEAD ELECTRIC
- ST EXISTING STORM SEWER LINE
- G EXISTING GAS LINE
- W EXISTING WATER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING STORM INLET
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING GAS VALVE

BUILDINGS TO BE REMOVED

PAVEMENT TO BE REMOVED

SIDEWALK TO BE REMOVED



DEMOLITION PLAN

KNOXVILLE'S COMMUNITY  
DEVELOPMENT CORPORATION  
FIVE POINTS PHASE 4  
INFRASTRUCTURE IMPROVEMENTS  
KNOXVILLE, KNOX COUNTY, TN

**Civil & Environmental Consultants, Inc.**  
2704 Cherokee Farm Way - Suite 101 - Knoxville, TN 37920  
Ph: 865.977.9997 - Fax: 865.977.9919  
www.cecinc.com

REVISION RECORD

NO.	DATE	DESCRIPTION

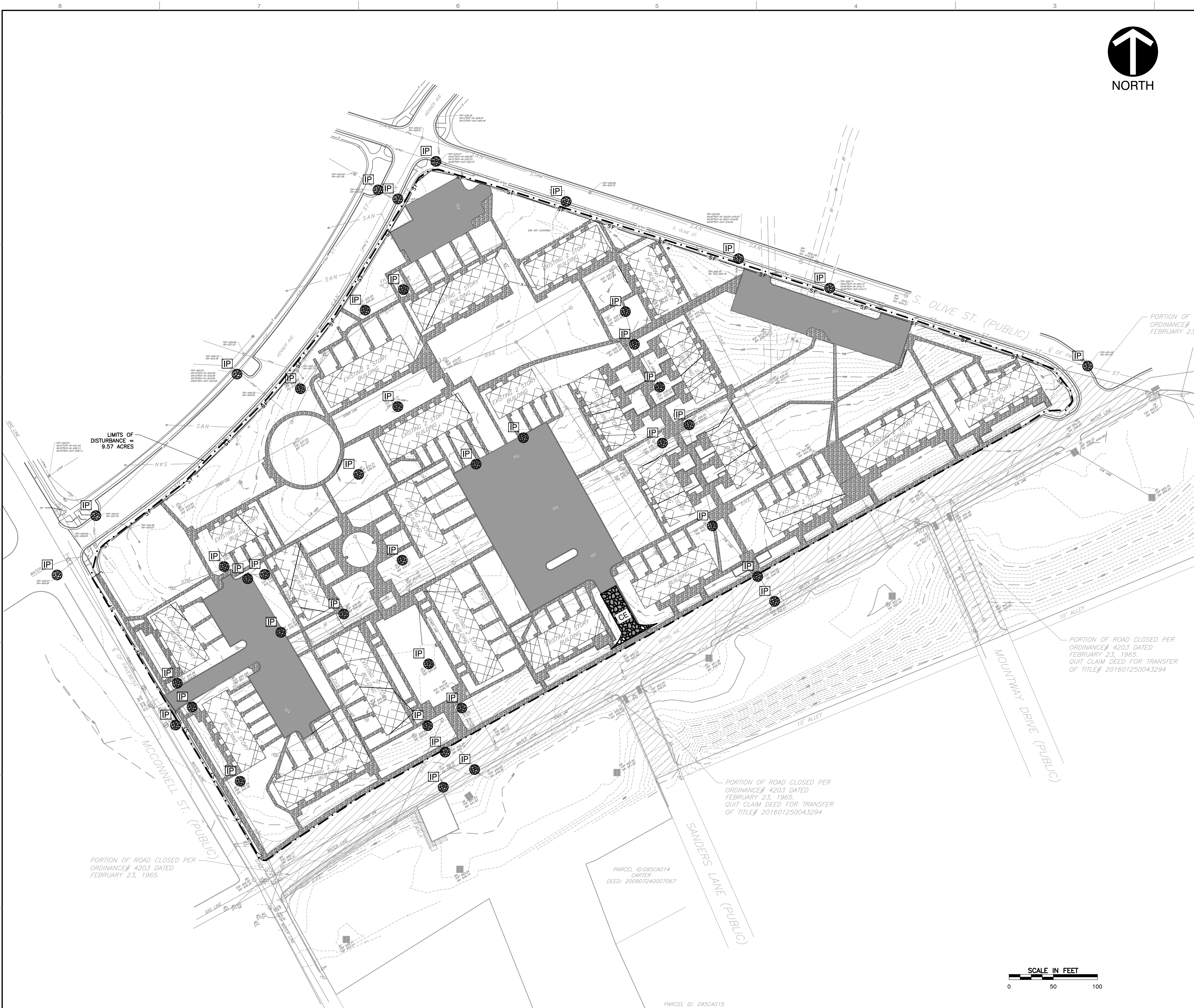
DRAWING NO.:

C100

DATE:	AUGUST 15, 2019	DRAWN BY:	CRJ
DWG SCALE:	AS SHOWN	CHECKED BY:	GHP
PROJECT NO:	182-461	APPROVED BY:	GHP



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**LEGEND:**

- LIMITS OF DISTURBANCE
- EXISTING PROPERTY LINE/RIGHT-OF-WAY
- SF --- SILT FENCE
- CS --- EXISTING COMBINED SEWER LINE
- ST --- EXISTING STORM SEWER LINE
- UG-E --- EXISTING UNDERGROUND ELEC. LINE
- OH-E --- EXISTING OVERHEAD ELECTRIC
- ST --- EXISTING STORM SEWER LINE
- G --- EXISTING GAS LINE
- W --- EXISTING WATER LINE
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING STORM INLET
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING GAS VALVE
- IP --- INLET PROTECTION
- CE --- CONSTRUCTION EXIT
- [Cross-hatched] BUILDINGS TO BE REMOVED

REVISION RECORD	
NO.	DATE

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**KNOXVILLE'S COMMUNITY DEVELOPMENT CORPORATION  
FIVE POINTS PHASE 4  
INFRASTRUCTURE IMPROVEMENTS  
KNOXVILLE, KNOX COUNTY, TN**

**INITIAL EROSION & SEDIMENTATION CONTROL PLAN**

DATE:	AUGUST 15, 2019	DRAWN BY:	CRJ
DWG SCALE:	AS SHOWN	CHECKED BY:	GHP
PROJECT NO:	182-461	APPROVED BY:	GHP

**Gregory Houston**  
REGISTERED ENGINEER  
AGRICULTURE  
COMMERCIAL  
NO. 112,229  
STATE OF TENNESSEE

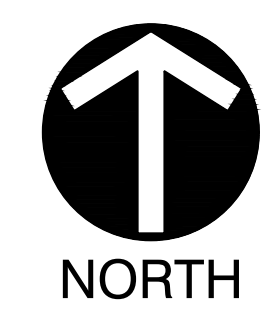
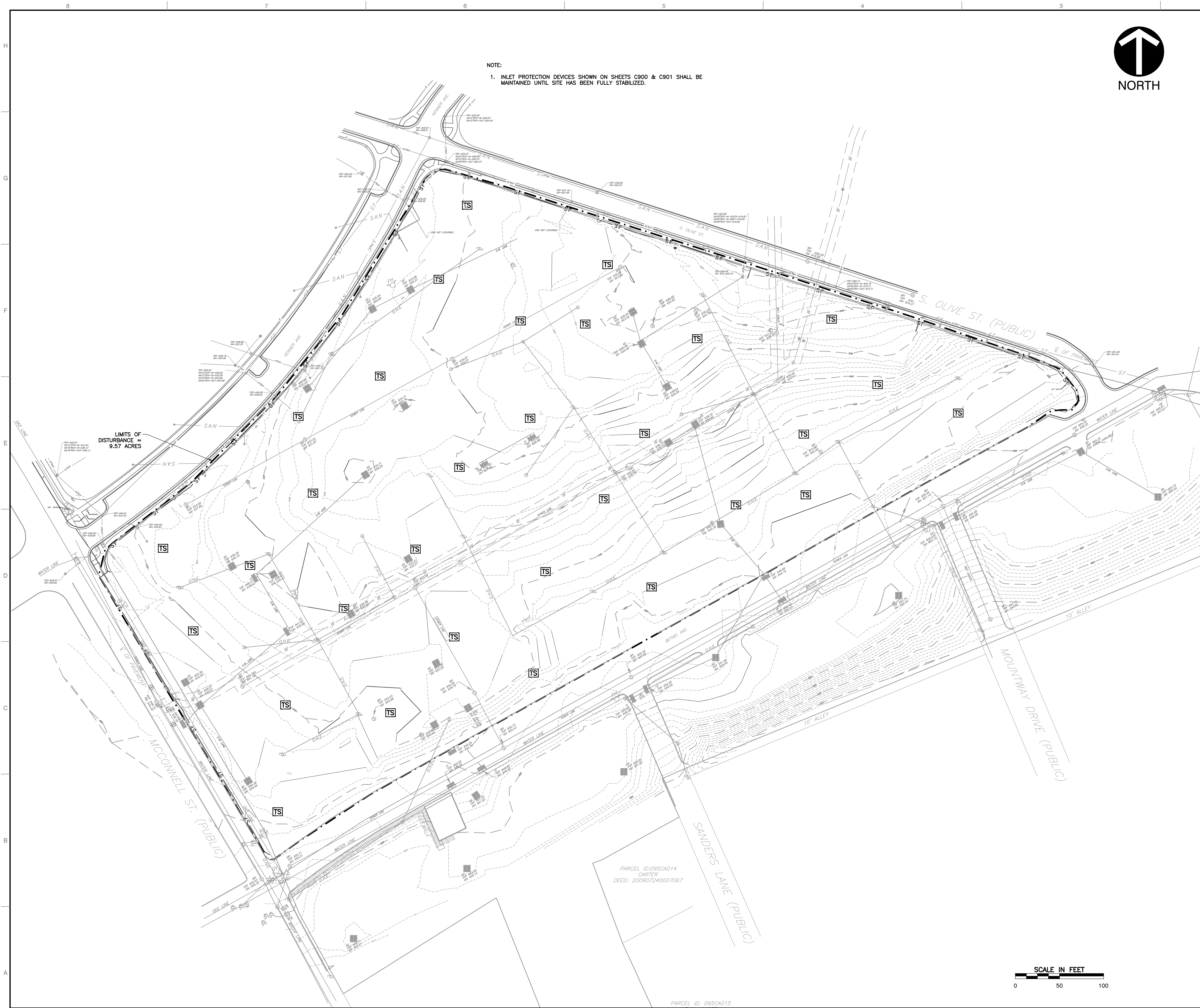
DRAWING NO. **C900**







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- LEGEND:**
- LIMITS OF DISTURBANCE
  - EXISTING PROPERTY LINE/RIGHT-OF-WAY
  - SF --- SILT FENCE
  - CS --- EXISTING COMBINED SEWER LINE
  - ST --- EXISTING STORM SEWER LINE
  - UG-E --- EXISTING UNDERGROUND ELEC. LINE
  - OH-E --- EXISTING OVERHEAD ELECTRIC
  - ST --- EXISTING STORM SEWER LINE
  - G --- EXISTING GAS LINE
  - W --- EXISTING WATER LINE
  - EXISTING POWER POLE
  - EXISTING LIGHT POLE
  - EXISTING STORM INLET
  - EXISTING WATER VALVE
  - EXISTING FIRE HYDRANT
  - EXISTING GAS VALVE
  - TS --- TEMPORARY SEEDING
  - PROPOSED CONTOUR AFTER DEMOLITION

REVISION RECORD	
NO	DATE

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**KNOXVILLE'S COMMUNITY DEVELOPMENT CORPORATION**  
**FIVE POINTS PHASE 4**  
**INFRASTRUCTURE IMPROVEMENTS**  
**KNOXVILLE, KNOX COUNTY, TN**

**FINAL EROSION & SEDIMENTATION CONTROL PLAN**

DATE:	AUGUST 15, 2018	DRAWN BY:	CRJ
DWG SCALE:	AS SHOWN	CHECKED BY:	GHP
PROJECT NO:	182-461	APPROVED BY:	GHP

**GREGORY HOUSTON**  
REGISTERED ENGINEER  
AGRICULTURE  
COMM. NO. 112,029  
STATE OF TENNESSEE

**C902**



SOURCE TDOT STANDARDS SPECIFICATIONS

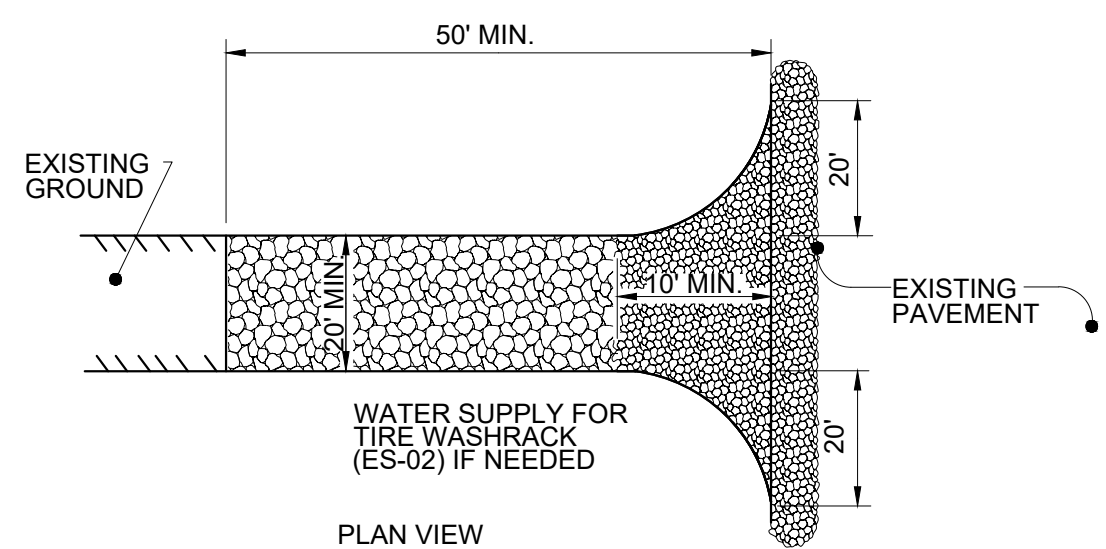


1. FILTER CLOTH SHALL MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATION FOR GEOTEXTILES AASHTO DESIGNATION: M288, SEDIMENT CONTROL, SELF SUPPORTED.
2. WOOD POSTS ARE TYPICALLY 2"x2" OAK AND OTHER HARD WOODS. A LARGER POST IS NECESSARY FOR SOFT WOODS (4"x4").
3. FASTENERS FOR WOOD POSTS SHOULD BE EITHER WIRE STAPLES OR NAILS. THERE SHALL BE A MINIMUM OF 5 FASTENERS FOR EACH WOOD POST. USE MINIMUM SIZE 17-GAUGE STAPLES WITH A MINIMUM EMBEDDED LENGTH OF 1 INCH INTO THE WOOD AND A MINIMUM WIDTH OF 3/4 INCH ACROSS. TYPICAL NAIL SIZE IS 1 INCH LONG WITH OVERSIZED NAIL HEAD. FABRIC SHALL NOT BE ATTACHED TO EXISTING TREES.
4. PLACE SILT FENCE AT LEAST 5 TO 7 FEET AWAY FROM STEEP OR LONG SLOPES TO IMPOUND STORMWATER RUNOFF.

SILT FENCE  
N.T.S

\* SF \* SF \*

SF



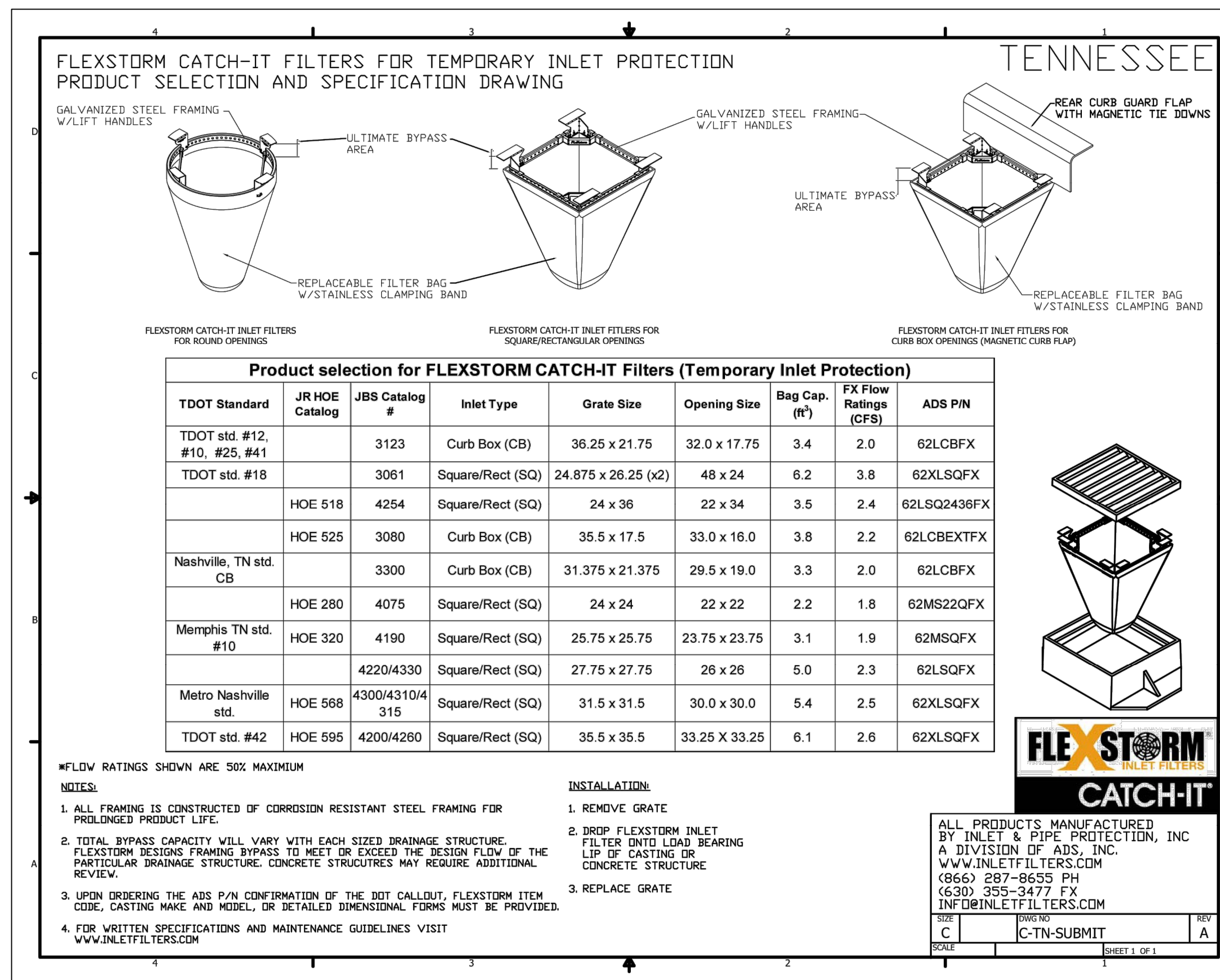
## CONSTRUCTION SPECIFICATIONS

1. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50 FEET.
2. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
3. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE INGRESS OR EGRESS OCCURS OR 20 FEET, WHICHEVER IS GREATER.
4. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
5. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
6. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIRS AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.

CONSTRUCTION EXIT DETAIL

N.T.S.

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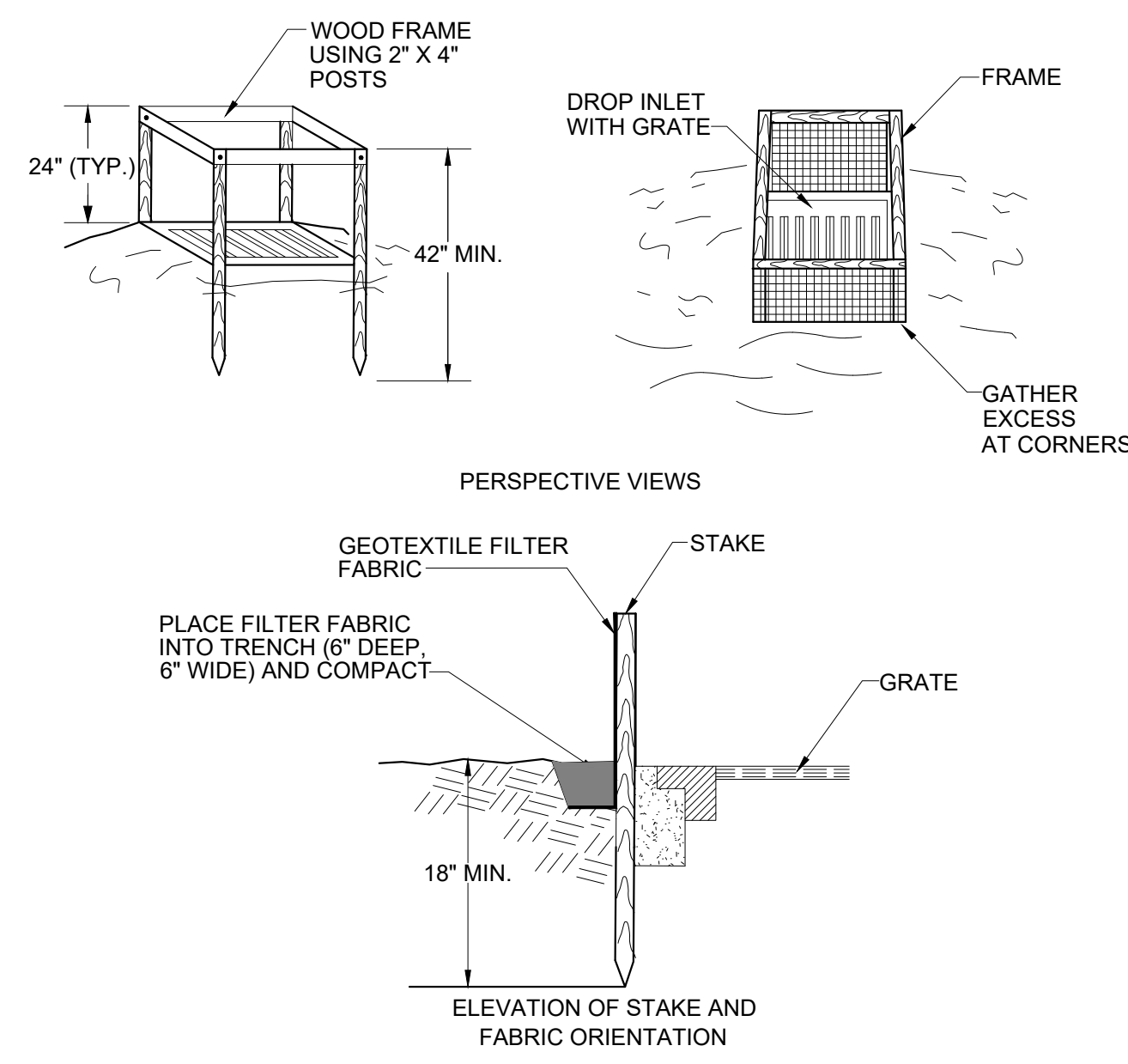


### ROADWAY STORM INLET INSERT DETAIL

N.T.S

**EROSION AND SEDIMENT CONTROL NOTES:**

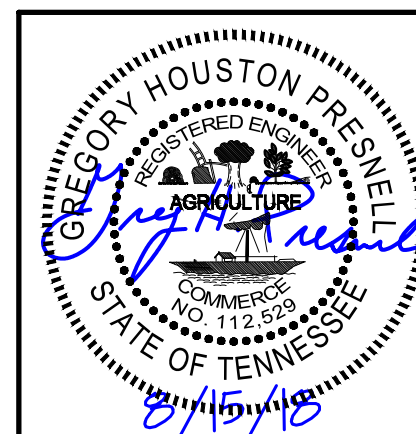
1. A SPECIFIC INDIVIDUAL SHALL BE DESIGNATED TO BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS ON PROJECT SITE. THIS INDIVIDUAL MUST HAVE COMPLETED THE "FUNDAMENTALS OF EROSION PREVENTION AND SEDIMENT CONTROL" COURSE OR AN EQUIVALENT COURSE.
2. REFER TO THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK FOR DESIGN CRITERIA AND GUIDELINES FOR EROSION CONTROL MEASURES.
3. CLEARING AND GRUBBING MUST BE HELD TO THE MINIMUM NECESSARY FOR GRADING AND EQUIPMENT OPERATION.
4. CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF CLEARED SURFACE AREA.
5. CONSTRUCTION STAGING AND PHASING IS CRITICAL TO REDUCING SEDIMENT RUNOFF FROM SITE.
6. EROSION CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATIONS BEGIN, AND MUST BE PROPERLY CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
7. ALL EROSION CONTROL MEASURES SHALL BE CHECKED TWICE WEEKLY AND AFTER EACH RAINFALL. CHECK DAILY DURING PROLONGED RAINFALL.
8. CONSTRUCTION DEBRIS MUST BE KEPT FROM ENTERING THE STORM MANAGEMENT SYSTEM.
9. STOCKPILED SOIL SHALL BE PROTECTED AND LOCATED FAR ENOUGH FROM STREAMS AND DRAINAGEWAYS SO THAT RUNOFF CANNOT CARRY SEDIMENT DOWNSTREAM.
10. VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 10 CALENDAR DAYS PRIOR TO GRADING.
11. TEMPORARY SOIL STABILIZATION WITH APPROPRIATE ANNUAL VEGETATION IS REQUIRED WHEN GRADING OPERATIONS ARE TEMPORARILY HALTED FOR OVER 14 DAYS AND ON SOIL STOCKPILES.
12. PERMANENT SOIL STABILIZATION WITH PERENNIAL VEGETATION IS REQUIRED WHEN GRADING OPERATIONS ARE COMPLETE AND/OR CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA. CONTRACTOR SHALL INSPECT THE SITE PERIODICALLY TO REPAIR AND RE-ESTABLISH VEGETATION TO DAMAGED AREAS.
13. STAKED AND ENTRENCHED SILT FENCE MUST BE INSTALLED ALONG THE BASE OF ALL FILLS AND CUTS, ON THE DOWNHILL SIDES OF STOCKPILED SOIL, AND ALONG STREAM BANKS IN CLEARED AREAS TO PREVENT EROSION INTO STREAMS. SILT FENCE MAY BE REMOVED AT THE BEGINNING OF THE WORK DAY, BUT MUST BE REPLACED AT THE END OF THE WORK DAY OR PRIOR TO FORECASTING RAIN EVENTS.
14. WHERE APPROPRIATE, SURFACE WATER FLOWING TOWARD CONSTRUCTION AREA SHALL BE DIVERTED AROUND THE CONSTRUCTION AREA USING DIKES, TO REDUCE EROSION POTENTIAL.
15. ALL ROCK SHALL BE CLEAN, HARD ROCK CONTAINING NO SAND, DUST, OR ORGANIC MATERIAL.
16. CONTRACTOR SHALL MAINTAIN SILT FENCES AND OTHER EROSION CONTROL DEVICES FOR THE DURATION OF THE PROJECT, TO ENSURE EFFECTIVENESS, UNTIL ACCEPTED
- BY THE OWNER, AT NO ADDITIONAL EXPENSE TO THE OWNER. IF CONSTRUCTION ACTIVITIES CEASE DUE TO WEATHER RELATED CAUSES, THEN THE CONTRACTOR WILL ENSURE THAT THE SITE IS PROPERLY STABILIZED AND ALL EROSION CONTROL DEVICES ARE MAINTAINED AND FUNCTIONAL DURING THOSE PERIODS OF INACTIVITY.
17. CONSTRUCTION EXIT -- CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION EXIT PRIOR TO ANY EARTHWORK OPERATIONS, CONSTRUCTION EXIT SHALL LOCATED AS SHOWN. CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD TO PUBLIC RIGHTS-OF-WAYS. ALL MATERIAL SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES OR SITE ONTO ADJACENT ROADWAYS SHALL BE REMOVED IMMEDIATELY FROM THE ROADWAY.
18. CONTRACTOR IS RESPONSIBLE FOR CLEANING OUT AND PROPER DISPOSAL OF ALL DEBRIS WITHIN THE STORM DRAINAGE STRUCTURES, INCLUDING SILT FROM FLUMES, PIPES, ECT., PRIOR TO COMPLETION OF THE PROJECT.
19. MEASURES SHOWN FOR SEDIMENT AND EROSION CONTROL REPRESENT THE MINIMUM ANTICIPATED. ADDITIONAL PROTECTION SHALL BE PROVIDED AS NECESSARY THAT WILL PREVENT SEDIMENT FROM LEAVING THE SITE DUE TO UNFORESEEN CONDITIONS OR ACCIDENTS.
20. THE GRADING CONTRACTOR AND BUILDING CONTRACTOR WILL REFRAIN FROM DOING ANY WORK OUTSIDE OF THE DELINEATED LIMITS OF DISTURBANCE.
21. ROADS SHALL BE STABILIZED BY APPLYING STONE ONCE SUBGRADE ELEVATION IS ACHIEVED.
22. ALL SILT FENCE IS TO BE TYPE A EXCEPT WHERE SPECIFIED DIFFERENTLY.
23. EROSION CONTROL MATTING TO BE JUTE MESH(OR APPROVED EQUAL) AND INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.



INTERNAL SITE SILT FENCE DROP INLET DETAIL

N.T.S.

IP



## EROSION CONTROL DETAILS AND NOTES

DRAWING NO.:

# C903

**HEL**

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**KNOXVILLE'S COMMUNITY  
DEVELOPMENT CORPORATION  
FIVE POINTS PHASE 4  
INFRASTRUCTURE IMPROVEMENTS**  
**KNOXVILLE, KNOX COUNTY, TN**

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