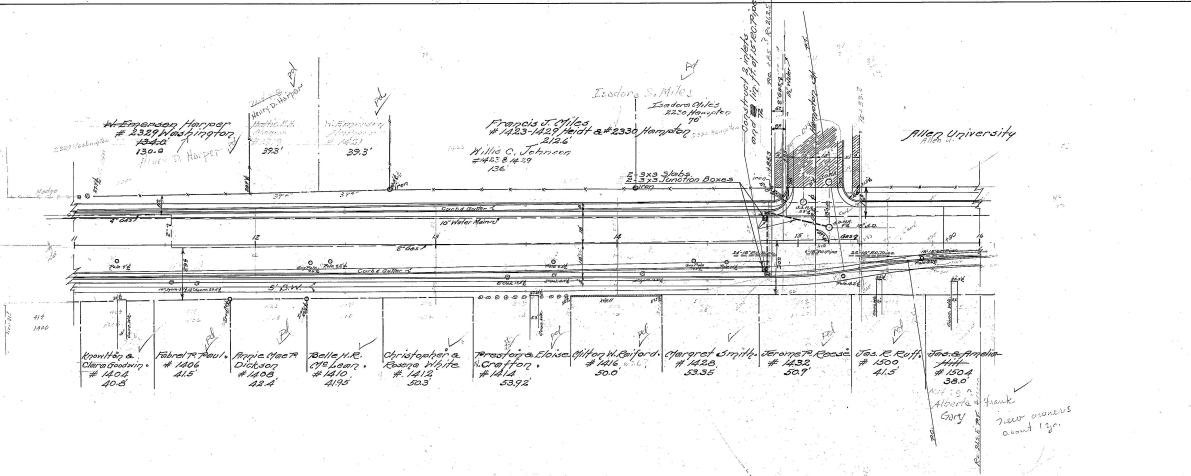


CITY OF COLUMBIA, S.C.
DEPARTMENT OF UTILITIES AND ENGINEERING

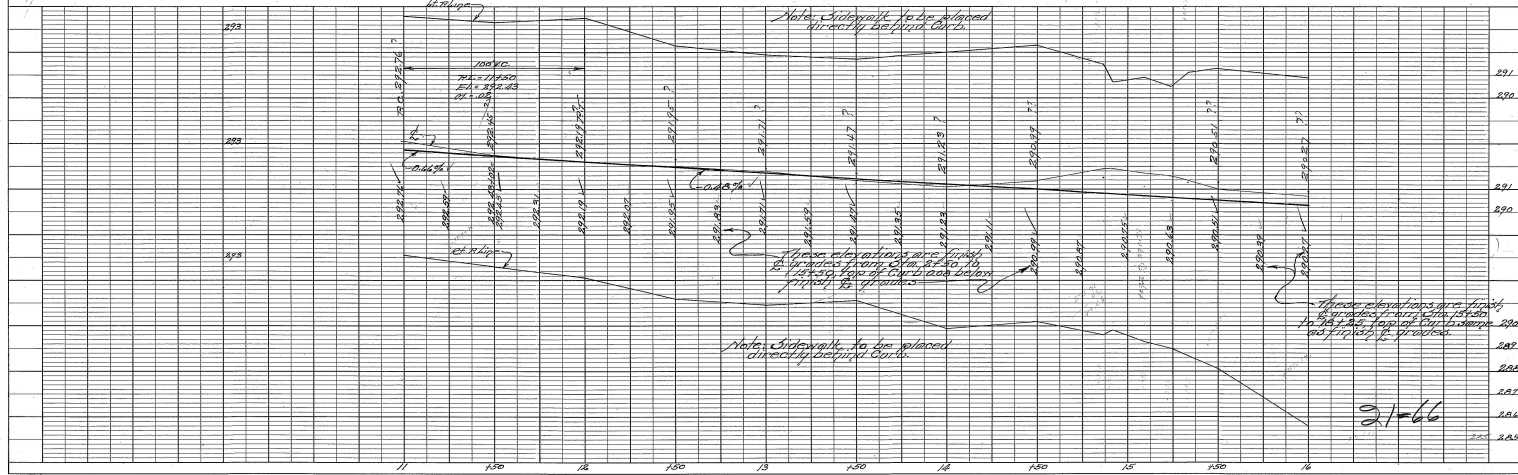
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AS TO ITS ACCURACY. ITS USE WITHOUT FIELD
VERIFICATION IS AT THE SOLE RISK OF THE USER

Head St. Washington to Hampton



PLAN	DATE	BY	CHKD.

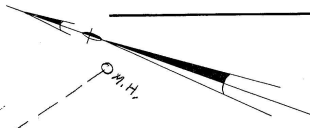
PROFILE	DATE	BY	CHKD.



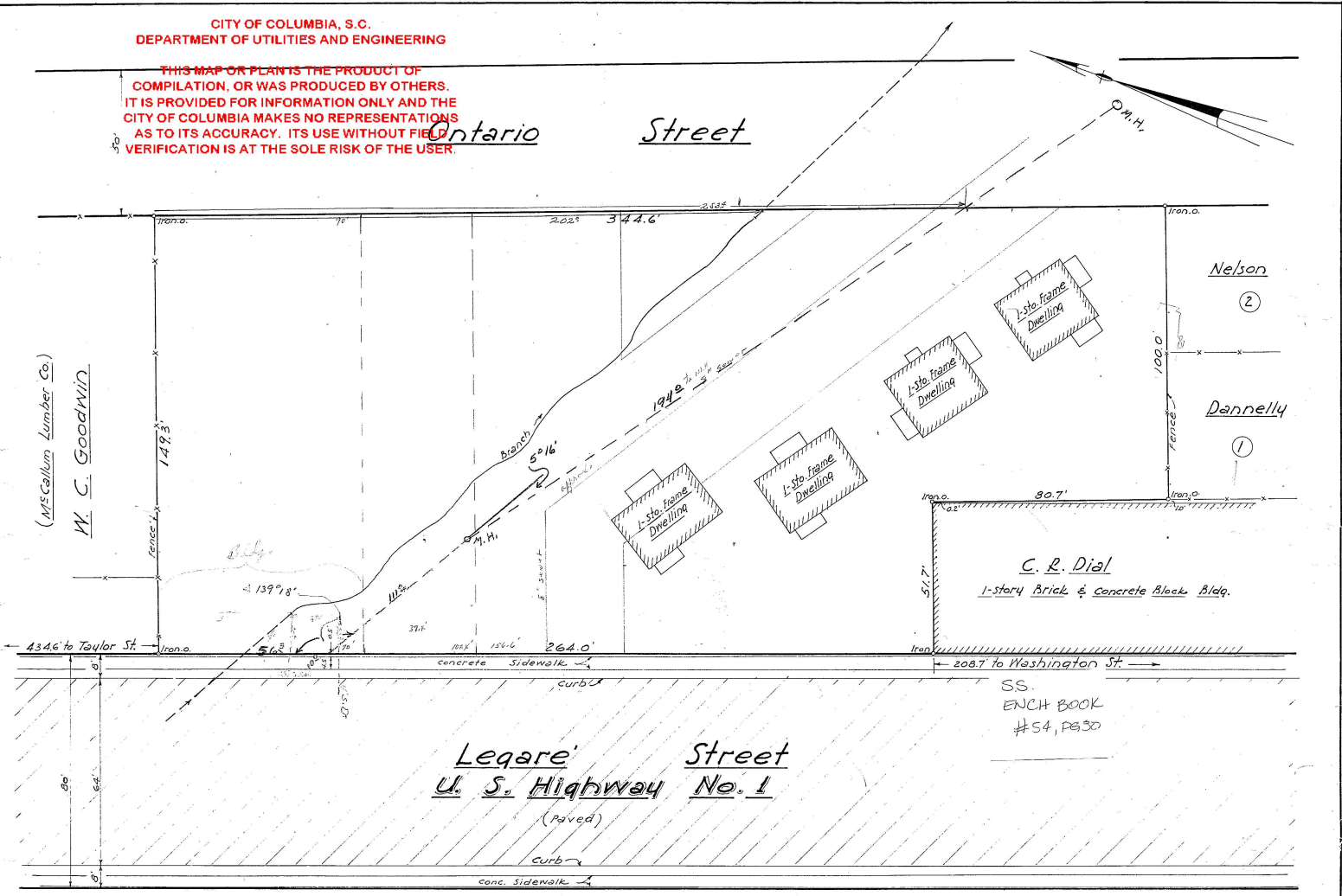
CITY OF COLUMBIA, S.C.
DEPARTMENT OF UTILITIES AND ENGINEERING

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Ontario Street



(M^cCallum Lumber Co.)
M. C. Goodwin



Legare Street
U. S. Highway No. 1

(Paved)

curb

conc. Sidewalk

C. R. Dial
1-story Brick & concrete Block Bldg.

SS.
ENCH BOOK
#54, PG 30

Plat prepared for
Julius L. McCallum & James L. Gibbs
Columbia, S.C.

Scale: 1"=20'

B. P. Barber & Assocs., Engineers - Columbia, S.C. - March 15, 1955

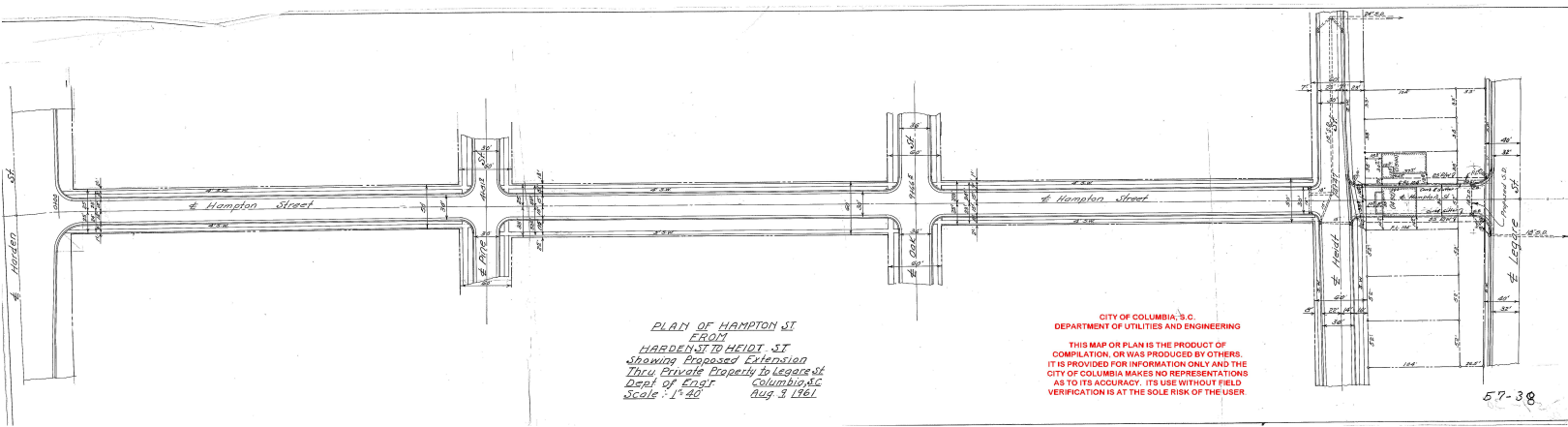


48-109

10003-E6

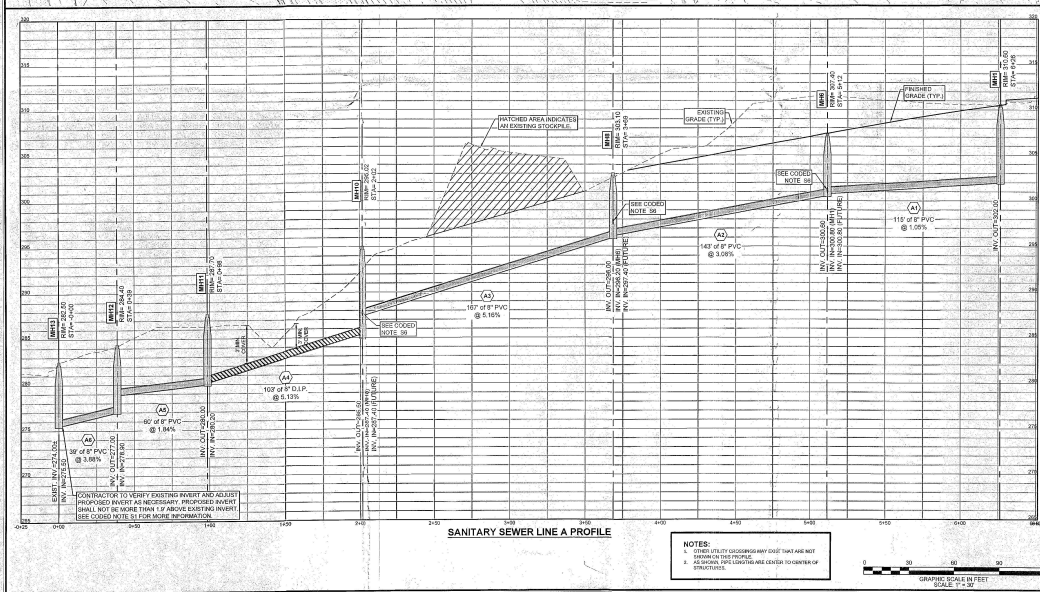
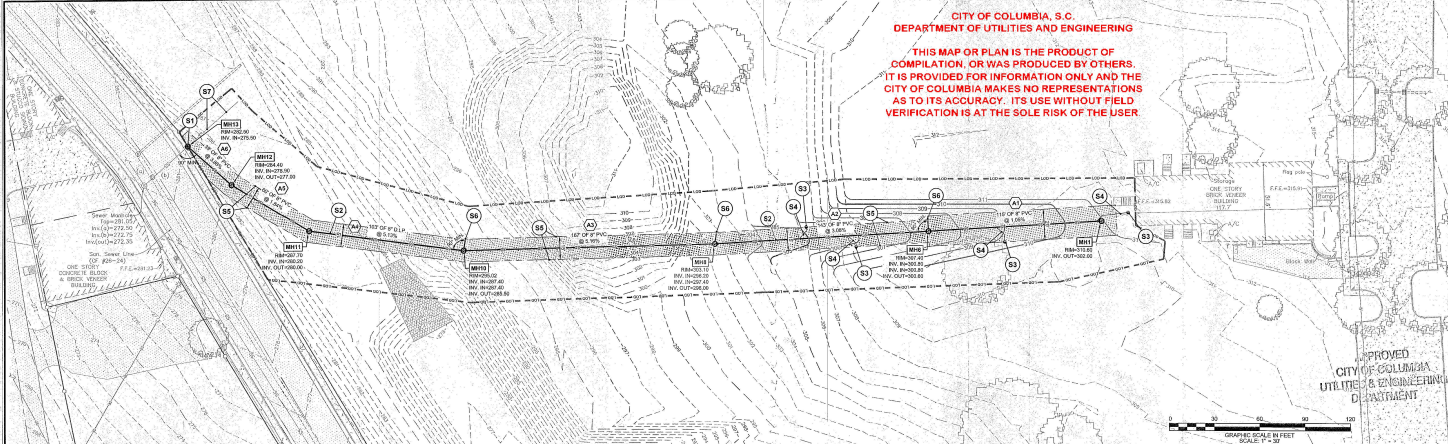
NB # 419-Pg. 3, NB # 335-Pg. 44
Ref. Plats # 1521-CI, # 7997-EI, # 5964-AI

LL-249T



PLAN OF HAMPTON ST
 FROM
 HARDEN ST TO HEIDI ST
 Showing Proposed Extension
 Thru Private Property To Legare St
 Dept of Eng. Columbia SC
 Scale: 1" = 40' Aug. 3, 1961

CITY OF COLUMBIA, S.C.
 DEPARTMENT OF UTILITIES AND ENGINEERING
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SANITARY SEWER LEGEND

—	EXISTING SANITARY SEWER MAIN
—	PROPOSED SANITARY SEWER SERVICE
—	PROPOSED SANITARY SEWER CLEANOUT
—	PROPOSED EXCLUSIVE CITY OF COLUMBIA SANITARY SEWER EASEMENT (SEE PLAN FOR DETAILS)
—	PROPOSED SANITARY SEWER MANHOLE
—	PROPOSED SANITARY SEWER DEBRIDEMENT
○	EXISTING SANITARY SEWER MANHOLE
○	EXISTING SANITARY SEWER CLEANOUT
○	PROPOSED EXCLUSIVE CITY OF COLUMBIA SANITARY SEWER EASEMENT (SEE PLAN FOR DETAILS)
○	PROPOSED SANITARY SEWER DEBRIDEMENT

- ### CODED NOTES
- 81 CONTRACTOR SHALL FURNISH AND INSTALL NEW SANITARY SEWER MANHOLE AT THIS LOCATION. SEE PROFILES FOR APPROXIMATE ELEVATION AT THE TOP IN LOCATION. CONTRACTOR SHALL VERIFY EXISTING INVERT PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY IF DISCREPANCIES ARE FOUND. CORRECT FOR EXISTING PIPE CONNECTION AND ABOUT WATERIGHT HEAD. CONTRACTOR SHALL FURNISH AND INSTALL NEW 36" PVC SANITARY SEWER GRAVITY MAIN, SEE SANITARY SEWER PROFILES FOR MORE INFORMATION.
 - 82 CONTRACTOR SHALL FURNISH AND INSTALL 18" OF 36" PVC SANITARY SEWER SERVICE (SEE AT THE MANHOLE) WITH CLEANOUTS AS SHOWN. MANHOLE 3" MINIMUM COVER ALONG ENTIRE LENGTH OF SERVICE. (TYPICAL) WHERE COVER IS LESS THAN 18" INSTALL EXISTING SERVICE WITH PROTECTIVE LINING.
 - 83 PROPOSED EXCLUSIVE SANITARY SEWER EASEMENT TO BE CONVEYED TO THE CITY OF COLUMBIA UPON COMPLETION OF CONSTRUCTION IN ACCORDANCE WITH THE CITY OF COLUMBIA. SEE PLAN FOR WORK.
 - 84 FUTURE STUB-OUT AND CONNECTION SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL NOT INSTALL THE STUB-OUT PER SE AS SHOWN. CONTRACTOR SHALL INSTALL THE PROPER INVERT IN THE MANHOLE AS THE ELEVATION SHOWN ON THE PROFILE TO ACCOMMODATE EACH FUTURE SEWER PIPE CONNECTION. THE MANHOLES WILL HAVE TO BE CORRECTED IN THE FUTURE FOR THE PIPE INSTALLATIONS ACCORDING TO THE CITY OF COLUMBIA. THE MANHOLE COVER AND STUB-OUTS ARE NOT INCLUDED IN THIS CONTRACT.
 - 85 CONTRACTOR SHALL MAINTAIN AND PROPERLY OPERATE EXISTING SANITARY SEWER LINE UPSTREAM OF NEW MANHOLE.

NOTE: THE ENGINEER HAS REVIEWED THE SUBMITTED PROFILES, BUT THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXISTING CONDITIONS AND THE PROPOSED CONDITIONS. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND THE PROPOSED CONDITIONS. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND THE PROPOSED CONDITIONS. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND THE PROPOSED CONDITIONS.

Palmetto Utility Protection Service, Inc.
South Carolina 811
 CALL 811
 CONTRACTOR SHALL CONTACT THE UNDERGROUND LOCATIONS DIVISION FOR INFORMATION ON SPECIFIC UTILITY LOCATIONS.

- ### REFERENCES
- SECONDARY & TOPOGRAPHIC MAP PREPARED FOR COLUMBIA POLICE AUTHORITY DEVELOPMENT, INC. GONZALES GARDENS BY COX AND DINKINS, INC. DATED AUGUST 18, 2016.
 - GENERAL PREPARED FOR FORNIE ROBERTS - GONZALES GARDENS GEMO, BY ASSOCIATED S & A, INC. DATED NOVEMBER 12, 2017.
 - PLAN PREPARED FOR FORNIE ROBERTS AUTHORITY OF THE CITY OF COLUMBIA, SOUTH CAROLINA, BY COX AND DINKINS, INC. DATED MARCH 14, 2016.
- ### GENERAL NOTES
- THE MAP NUMBERS WILL BE ASSIGNED TO THE SUBJECT PARCELS UPON APPROVAL AND RECORDING OF A NEW SECONDARY MAP.
 - TOTAL AREA OF ALL PARCELS ASSOCIATED WITH THIS LOP IS 12 ACRES.
 - STAKES OF THE SUBJECT PARCELS IS 1/4".
 - CONTOUR INTERVAL ELEVATIONS ARE ONE (1) FOOT. ELEVATIONS SHOWN ARE NAVD 83 DATUM.
 - THE LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE. THE LOCATION OF OTHER UNDERGROUND UTILITIES AND THEIR SERVICES ARE UNKNOWN. CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.
 - THE PROPERTY IS LOCATED WITHIN A FLOOD HAZARD AREA. PER FLOOD INSURANCE RATE MAP NUMBER 48020244L, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THAT THEY AND THEIR SUBCONTRACTORS HAVE THE CORRECTMOST UP-TO-DATE PLANS AVAILABLE.

CITY OF COLUMBIA, S.C.
DEPARTMENT OF UTILITIES AND ENGINEERING

COX AND DINKINS
 ENGINEERS - SURVEYORS
 1704 BELLE MELOUR
 COLUMBIA, SC 29205
 803-254-6118
 Email: cdc@coxanddinkins.com

REGISTERED PROFESSIONAL ENGINEER
 No. 14599

REGISTERED PROFESSIONAL ENGINEER
 No. 14599

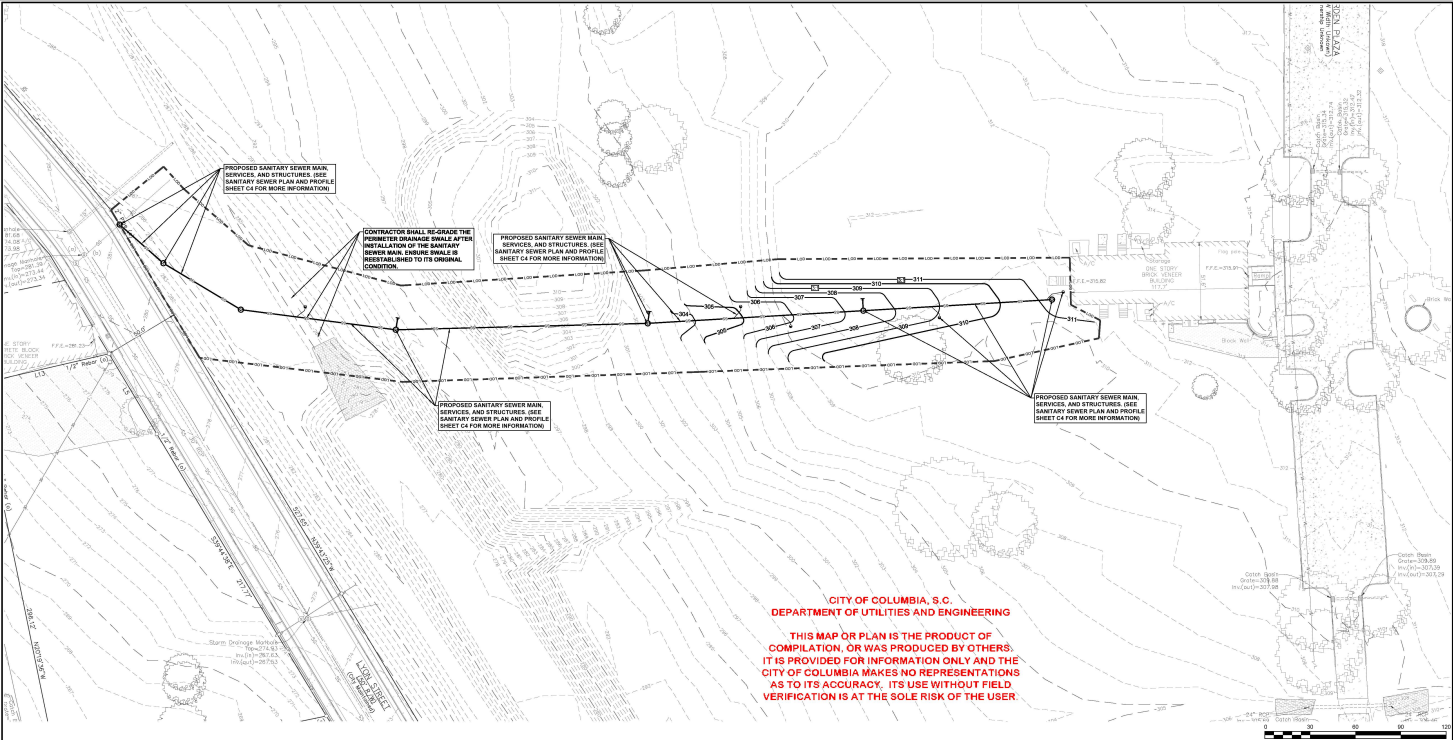
CERTIFICATE OF AUTHORIZATION
 STATE OF SOUTH CAROLINA
 DEPARTMENT OF REVENUE

GONZALES GARDENS COMMUNITY
BUILDING SANITARY SEWER
 LOCATED IN THE CITY OF COLUMBIA,
 RICHLAND COUNTY, SOUTH CAROLINA.

SANITARY SEWER PLAN AND PROFILE

PROJECT NO. 1141140-01-21.22.23 & 24
 SHEET NO. 66C-30
 DATE: 11/16/17
 DATE: 11/16/17
 DATE: 11/16/17
 DATE: 11/16/17

FILE 343-12A



TEMPORARY STABILIZATION NOTES:

1. TEMPORARY STABILIZATION IS REQUIRED ON ALL DISTURBED AREAS WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITY IS COMPLETE, UNLESS CONSTRUCTION ACTIVITY IS GOING TO REBUILT WITHIN 21 DAYS.
2. GRASSSEED ALL AREAS FOR THE TEMPORARY SEEDING SCHEDULE.
3. COVER SEEDS AREAS WITH AN APPROPRIATE MULCH TO PROVIDE PROTECTION FROM EROSION, WEATHER, AND/OR WINDSCUT. WHEN THE TEMPORARY VEGETATION DOES NOT GROW QUICKLY OR THICK ENOUGH TO PREVENT EROSION, RE-SEED AND REAPPLY MULCH AS SOON AS POSSIBLE.
4. KEEP SEEDS AREAS ADEQUATELY MOIST. IRRIGATE SEEDS AREAS IF NORMAL RAINFALL IS NOT ADEQUATE FOR THE SEEDING RATE AND DENSITY OF SEEDINGS. WATER SEEDS AREAS AT CONTROLLED RATES THAT ARE LESS THAN THE RATE AT WHICH THE SOIL CAN ABSORB WATER TO PREVENT RUNOFF. RUNOFF OF EXCESS WATER WASTES WATER AND CAN CAUSE EROSION.
5. RE-SEED AREAS WHERE SEEDING DOES NOT GROW QUICKLY, THICK ENOUGH OR ADEQUATELY TO PREVENT EROSION.

FINAL STABILIZATION NOTE:

TEMPORARY SEEDING WILL NOT BE ACCEPTED AS A FINAL STABILIZATION MEASURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT PERMANENT SEEDING IS APPLIED IN STRICT ACCORDANCE WITH PERMANENT SEEDING SCHEDULE OR PROTECTIVE PLAN AND THAT ALL SEEDS AND PROTECTIVE MEASURES ARE PROPERLY INSTALLED BY ANY AND ALL MEANS NECESSARY TO ESTABLISH VEGETATION AS REQUIRED TO ACHIEVE FINAL STABILIZATION, WHICH IS DEFINED BY 70% COVERAGE OVER 90% OF THE DISTURBED AREA.

**TOTAL DISTURBED AREA
1.0 ACRES**

GRADING LEGEND

---	EXISTING INDEX CONTOUR	---	PROPOSED INDEX CONTOUR
---	EXISTING INTERMEDIATE CONTOUR	---	PROPOSED INTERMEDIATE CONTOUR
---	CURRENT PHASE LIMITS OF DISTURBANCE	---	PROPOSED SANITARY SEWER MAIN & STRUCTURES

GRADING NOTES:

1. TO THE MAXIMUM EXTENT POSSIBLE, ALL SLOPES SHALL BE DIRECTED TOWARD THE PERIMETER DRAINAGE SWALES INSTALLED DURING THE GONZALES GARDEN DEMOLITION PHASE.
2. THE CONTRACTOR SHALL CONTROL DUST GENERATED FROM THE PROPOSED LAND DISTURBING ACTIVITIES BY USE OF A WATER OR OTHER MEASURES NECESSARY TO LIMIT DUST GENERATED FROM THE CONSTRUCTION SITE ACTIVITIES.

CONSTRUCTION SEQUENCE:

1. INTERSECT CONSTRUCTION ENTRANCE AND ALL OTHER EXISTING SEDIMENT AND EROSION CONTROL MEASURES. REPAIR AS NECESSARY AND REMOVE ANY ACCUMULATED SEDIMENT.
2. ROUGH GRADING OF THE SITE AS REQUIRED FOR THE SANITARY SEWER MAIN INSTALLATION.
3. TEMPORARILY ESTABLISH VEGETATION TO THE MAXIMUM EXTENT POSSIBLE ON ALL DISTURBED AREAS WITHIN 14 DAYS OF THE COMPLETION OF THE CONSTRUCTION. UNLESS OTHERWISE NOTED, THIS VEGETATION IS TO BE COMPLETED WITHIN 21 DAYS. SEE THE TEMPORARY SEEDING NOTES FOR MORE INFORMATION.
4. INSTALLATION OF THE SANITARY SEWER MAIN AND ALL ASSOCIATED APPURTENANCES.
5. RE-GRACE PERIMETER DRAINAGE SWALES IN THE AREA OF THE SANITARY SEWER MAIN INSTALLATION TO ITS ORIGINAL CONDITION AND BEGIN STABILIZATION OF THE SWALE.
6. FINISH ALL EXISTING MOVING OPERATIONS UTILITY INSTALLATION.
7. INTERSECT THE SEWER MAIN INSTALLED AS PART OF THE GONZALES GARDEN DEMOLITION PHASE AND CONTRACTOR SHALL REMOVE ALL EXISTING SANITARY SEWER MAINS AND STRUCTURES AS NECESSARY TO COORDINATE WITH THE OTHERS AND THE GONZALES GARDEN DEMOLITION PHASE CONTRACTOR FOR SEWER REMOVAL, IF NECESSARY.
8. BEGIN PERMANENT FINAL STABILIZATION OF ALL DISTURBED AREAS WITHIN THE LIMITS OF DISTURBANCE SHOWN ON THESE PLANS.
9. SUBMIT NOTICE OF TERMINATION TO THE CITY OF COLUMBIA FOR PROJECT CLOSOUT.

NOTE:

INFORMATION REGARDING THE REVISED MEASUREMENTS AND DIMENSIONS OF THE SANITARY SEWER MAINS AND STRUCTURES SHOWN ON THIS PLAN HAVE BEEN PROVIDED TO THE CITY OF COLUMBIA FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION AND SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS ASSOCIATED WITH THE CORRECTION OF ANY INFORMATION THAT IS FOUND TO BE INACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF COLUMBIA AND ANY OTHER AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF COLUMBIA AND ANY OTHER AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF COLUMBIA AND ANY OTHER AGENCIES.

REFERENCES:

1. BOUNDARY TOPOGRAPHIC MAP PREPARED FOR COLUMBIA HOUSING AUTHORITY DEVELOPMENTS, INC. GONZALES GARDENS, BY COX AND DINKINS, INC. DATED AUGUST 18, 2016.
2. DRAWING PREPARED FOR HOUSING AUTHORITY OF THE CITY OF COLUMBIA, SOUTH CAROLINA, BY COX AND DINKINS, INC. DATED MARCH 18, 2016.

GENERAL NOTES:

1. TAX MAP NUMBERS WILL BE ASSIGNED TO THE SUBJECT PARCELS UPON APPROVAL AND RECORDING OF A NEW SUBDIVISION PLAT.
2. TOTAL AREA OF ALL PARCELS ASSOCIATED WITH THIS LCP IS 12.42 ACRES.
3. THE LOCATION OF ALL SUBJECT PARCELS IS AS SHOWN.
4. CONTOUR INTERVAL ELEVATIONS ARE ONE (1) FOOT. ELEVATIONS SHOWN ARE BASED ON DATUM.
5. THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE. THE LOCATION OF OTHER UNDERGROUND UTILITIES AND THEIR SERVICES ARE UNKNOWN. CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.
6. THIS PROJECT IS LOCATED IN FLOOD ZONE. REFER TO FLOOD PREVALENCE DATE MAP NUMBER 46970204AL FOR FLOOD ZONE INFORMATION.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THEY AND THEIR SUBCONTRACTORS HAVE THE CORRECT LATEST OR TO DATE PLANS AVAILABLE.

COX AND DINKINS
 ENGINEERS - SURVEYORS
 COX AND DINKINS, INC.
 724 BELLE LANE, SUITE 100
 COLUMBIA, SC 29205
 803.254.0218
 Fax: 803.750.0989
 Email: cdm@coxanddinkins.com

SOUTH CAROLINA
 PROFESSIONAL ENGINEER
 No. 14890
 STATE OF SOUTH CAROLINA
 REGISTERED PROFESSIONAL ENGINEER
 No. 12892

CITY OF COLUMBIA
 REGISTERED PROFESSIONAL ENGINEER
 No. 60024

CERTIFICATE OF AUTHORIZATION SEAL

REVISIONS

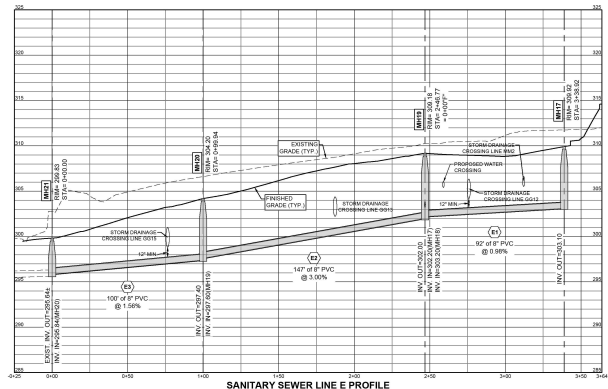
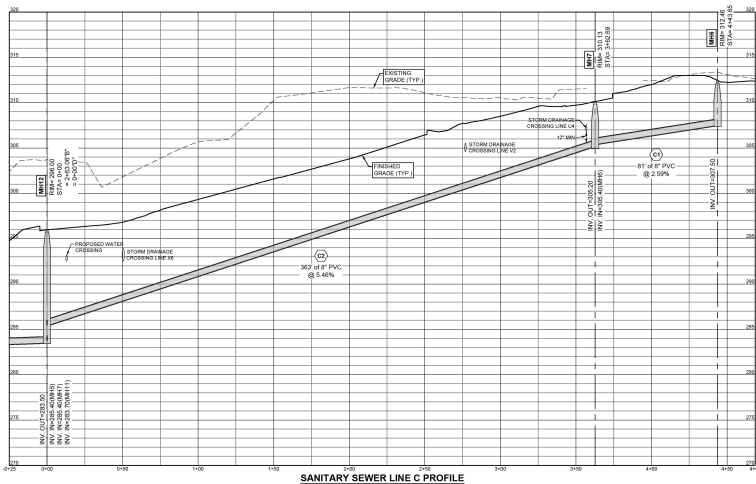
NO.	DATE	DESCRIPTION

APPROVED:
 COLUMBIA HOUSING AUTHORITY DEVELOPMENTS, INC.
 1917 HARDEN STREET
 COLUMBIA, SC 29204
 803.254.3886
 email: gbrator@chasc.org

PROJECT:
GONZALES GARDENS COMMUNITY BUILDING SANITARY SEWER
 LOCATED IN THE CITY OF COLUMBIA, RICHLAND COUNTY, SOUTH CAROLINA

GRADING AND STABILIZATION PHASE SWPP PLAN

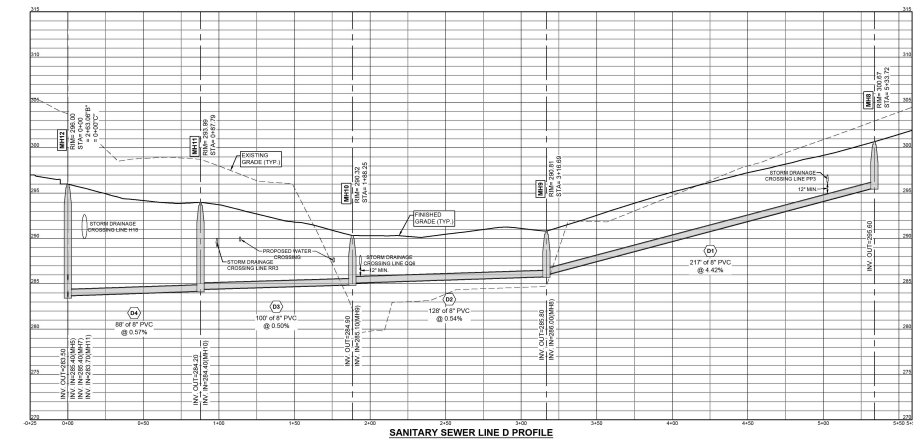
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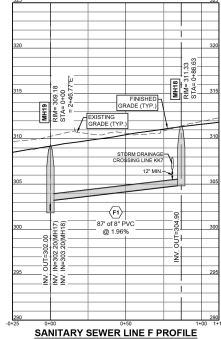
SANITARY SEWER LINE E PROFILE

CITY OF COLUMBIA, S.C.
 DEPARTMENT OF UTILITIES AND ENGINEERING

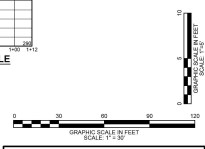
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SANITARY SEWER LINE D PROFILE




SANITARY SEWER LINE F PROFILE




NOTES:
 1. OTHER UTILITY CROSSINGS MAY EXIST THAT ARE NOT SHOWN ON THIS PROFILE.
 2. ALL SHOWN PIPE LENGTHS ARE CENTER TO CENTER OF STRUCTURES.



COX AND DINKINS
 ENGINEERS ARCHITECTS AND SURVEYORS
 724 BEL LINE BLVD
 COLUMBIA, SC 29205
 803.724.0100
 COXANDINKINS.COM



REGISTERED PROFESSIONAL ENGINEER
 No. 14890



CERTIFICATE OF AUTHORIZATION SEAL

REVISIONS	DATE

PROJECT: COLUMBIA HOUSING
 CINDY HERRERA
 SVP OF DEVELOPMENT
 1917 HARDEN STREET
 COLUMBIA, SC 29208

843-810-5073

email: cherrera@coxandinkins.com

cherrera@coxandinkins.com

THE OAKS AT ST. ANNA'S PARK
 LOCATED IN THE CITY OF COLUMBIA
 RICHLAND COUNTY, SOUTH CAROLINA

PROJECT NO: 33020
 DATE: 7/9/2021

SANITARY SEWER PROFILES

PRODUCT: TO BE ASSIGNED
 DRAWING: 48C-02C
 DATE: 7/9/2021
 SHEET NO: **C27** of **55**