

# BUCHANAN AVE.

## SANITARY SEWER REHABILITATION

### (PROJECT NO. 2014023)

## MSD OF BUNCOMBE COUNTY



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PL-5	SANITARY SEWER PLAN & PROFILE LINE "D"
D-1	SANITARY SEWER DETAILS

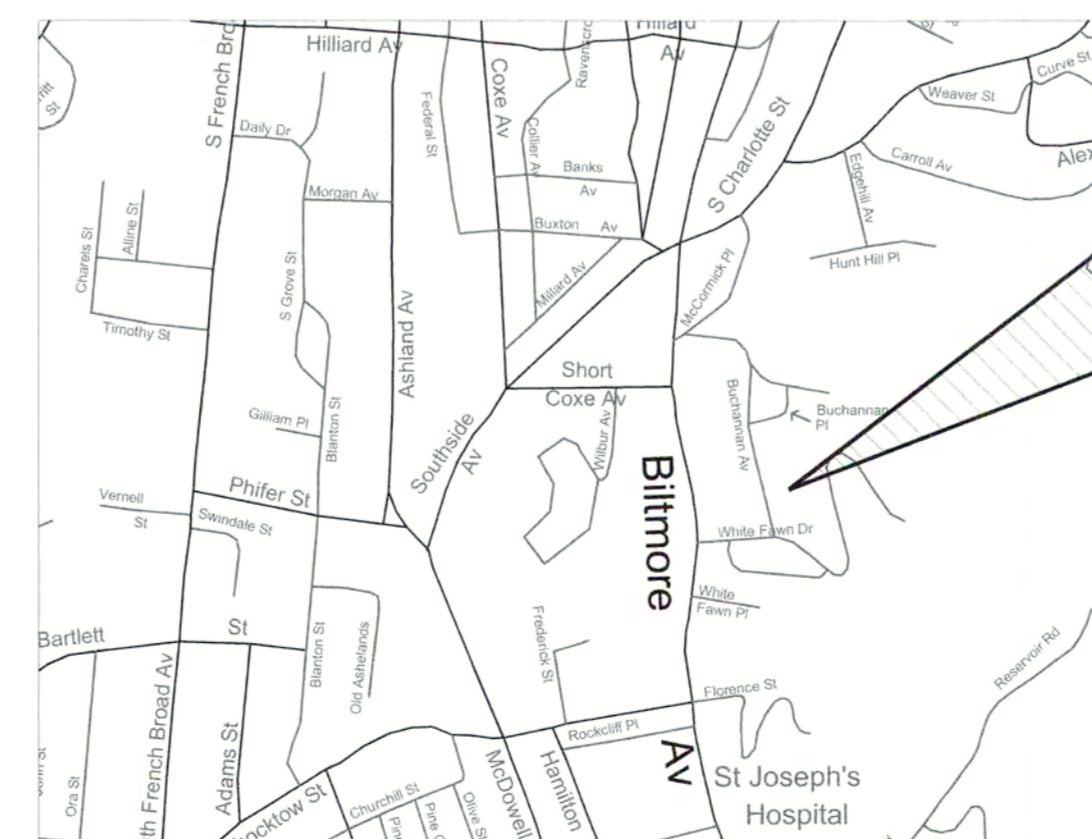


#### LEGEND

☒	FFE = FINISHED FLOOR ELEV.	⊠	PROPOSED ABANDON PLUG
△	CP = CALCULATED POINT	⊠	PROPOSED MANHOLE NUMBER
●	PK FIND = PK NAIL FOUND	⊠	PROPOSED ABANDON SEWER MANHOLE
●	EIP = EXISTING IRON PIN FOUND	⊠	CO = PROPOSED CLEANOUT
●	REBAR FOUND	⊠	EXISTING SANITARY SEWER MANHOLE
⊠	SIGN	⊠	EXISTING CLEANOUT
⊠	GAS METER	⊠	WV = WATER VALVE
⊠	TELEPHONE PEDESTAL	⊠	FH = FIRE HYDRANT
⊠	TRAVERSE	⊠	WM = WATER METER
⊠	SHRUB	⊠	UTILITY POLE
⊠	TREE	⊠	GUY WIRE
		⊠	ELECTRICAL JUNCTION BOX
		⊠	ELECTRIC MANHOLE
		⊠	LIGHT POLE
		⊠	CURB INLET
		⊠	STORM MANHOLE
		⊠	CATCH BASIN

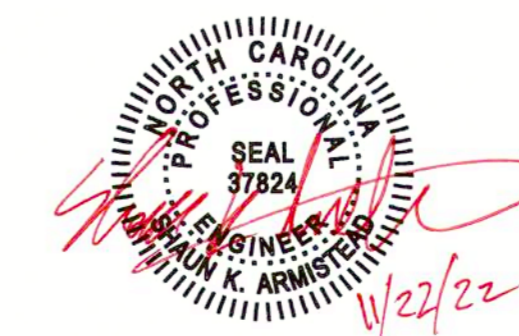
#### GENERAL NOTES:

- ALL WORK ON THIS PROJECT SHALL COMPLY WITH THE CURRENT STANDARD DETAILS AND SPECIFICATIONS OF THE METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY. SPECIAL CONDITIONS AND SPECIAL PROVISIONS MAY APPLY TO THIS PROJECT - SEE SPECIFICATIONS.
- ALL WORK SHALL COMPLY WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS, AS MAY BE APPLICABLE TO THIS PROJECT AND THE WORK DONE HEREUNDER.
- WHERE FEDERAL, STATE, OR LOCAL LAWS REQUIRE THAT A PERMIT BE ISSUED AND OBTAINED FOR WORK DONE UNDER THIS PROJECT, ALL WORK PERFORMED BY THE CONTRACTOR SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE TERMS AND CONDITIONS SET FORTH IN THE PERMIT.
- ANY MODIFICATIONS TO THESE CONSTRUCTION PLANS OR SPECIFICATIONS SHALL BE APPROVED BY THE MSD PROJECT ENGINEER.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO KEEP THE SEWER AND ALL OTHER UTILITIES IN SERVICE AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR REPAIRS OF ANY KIND FOR DAMAGES RESULTING FROM THE CONTRACTOR'S CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL LOCATE ALL SERVICES CURRENTLY SERVED BY THE EXISTING SEWER AND RECONNECT TO THE NEW SEWER, INSTALLING A CLEANOUT ASSEMBLY AS REQUIRED (SEE DETAIL).
- THE CONTRACTOR SHALL RESTORE ALL STREETS, PROPERTIES, AND IMPROVEMENTS TO AS GOOD OR BETTER CONDITION THAN EXISTED PRIOR TO CONSTRUCTION.
- PROPERTY LINES SHOWN ON PLANS ARE APPROXIMATE ONLY. PROPERTY MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE RESET BY A LICENSED NC PROFESSIONAL LAND SURVEYOR.
- DESIGN BASED ON SURVEY INFORMATION PROVIDED BY BANKSCREEK SURVEYING @ 828-779-4039.



VICINITY MAP

Scale: NTS



---	PROPOSED SANITARY SEWER LINE
---	EXISTING SANITARY SEWER LINE
---	EXISTING PERMANENT EASEMENT
---	PROPOSED PERMANENT EASEMENT
---	PROPOSED TEMPORARY EASEMENT
---	PROPOSED ASPHALT SURFACE REPAIR
---	PROPERTY LINE
---	RIGHT OF WAY LINE
---	EXISTING WATER LINE
---	EXISTING 24" WATER LINE
---	EXISTING GAS LINE
---	EXISTING OVER HEAD UTILITY LINE
---	EXISTING UNDERGROUND UTILITY
---	EXISTING TELEPHONE LINE
---	EXISTING STORM DRAINAGE PIPE
---	EXISTING FENCE LINE
---	DITCH LINE
---	TOE/TOP OF SLOPE
---	CONCRETE
---	GRAVEL AREA (RIP-RAP)
---	ASPHALT ROADWAY
---	ASPHALT DRIVE / PARKING LOT
---	EXISTING BUILDINGS
---	EXISTING MAJOR CONTOUR
---	EXISTING MINOR CONTOUR





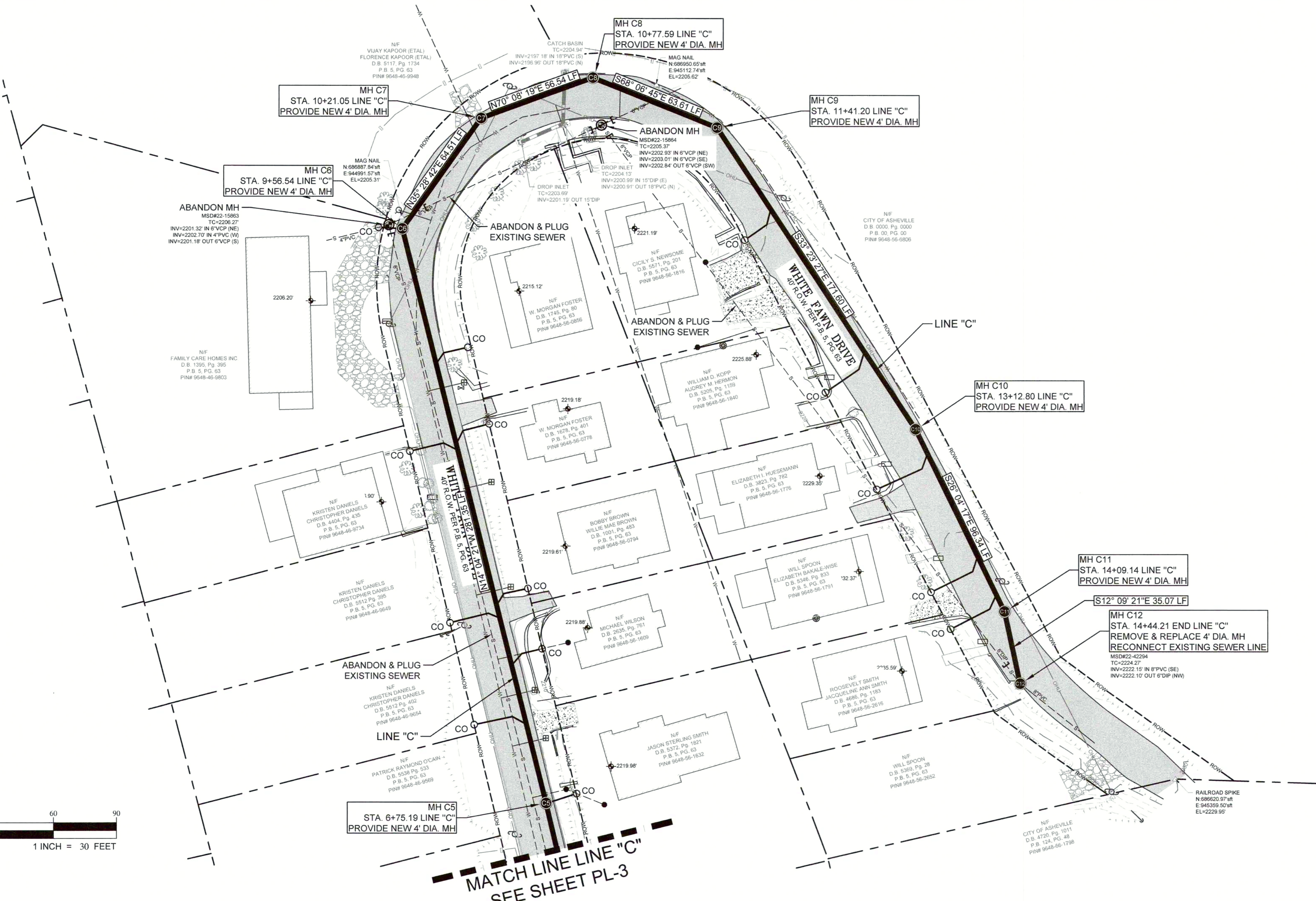
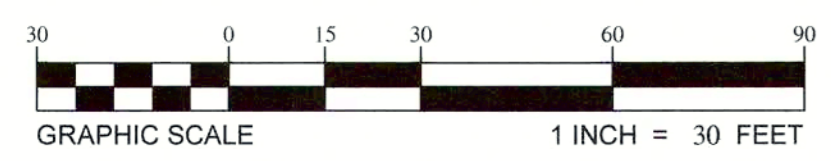




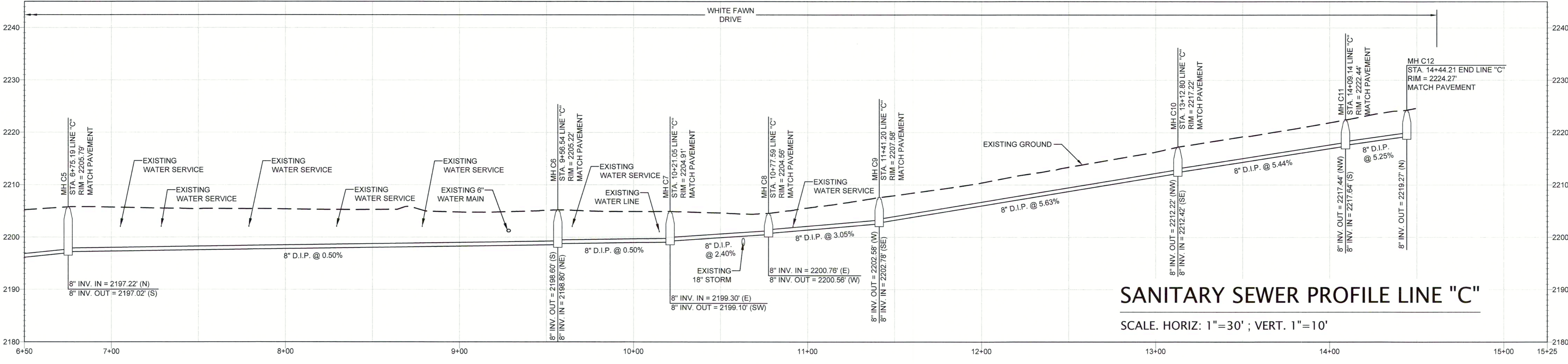








**SANITARY SEWER PLAN LINE "C"**  
SCALE: 1"=30'



**SANITARY SEWER PROFILE LINE "C"**  
SCALE: HORIZ: 1"=30' ; VERT. 1"=10'

N.C. GRID NORTH  
NAD83(2011B) NAVD88

Metropolitan Sewerage District  
of Buncombe County  
BUCHANAN AVE.  
Sanitary Sewer Plan & Profile  
Line "C"



NO.	DESCRIPTION	DATE

**MSD**

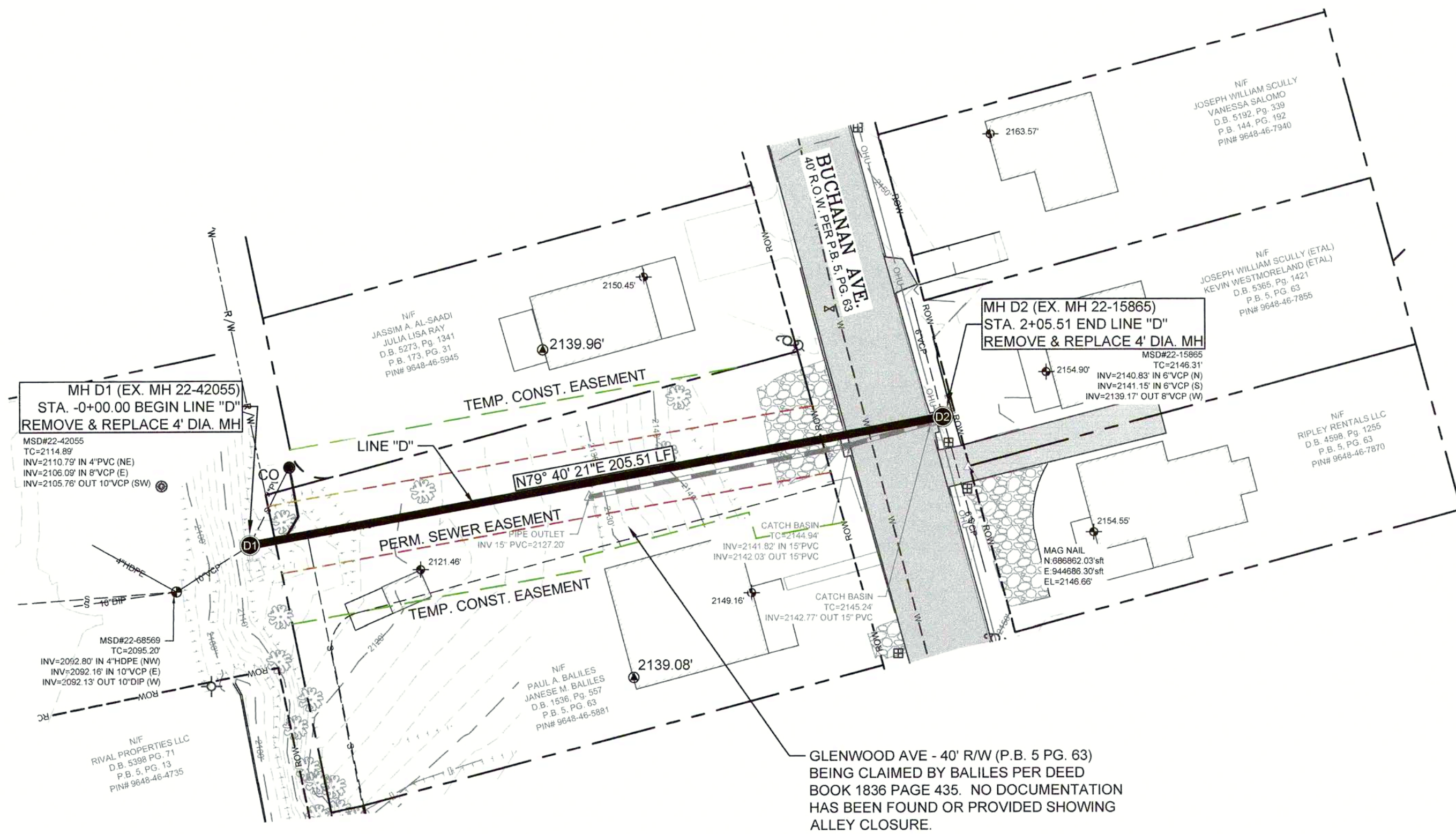
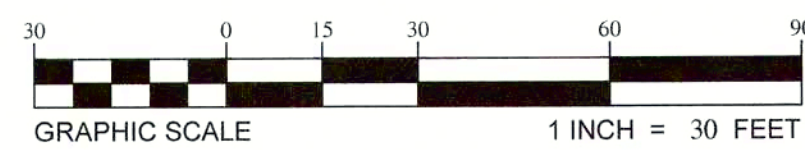
Metropolitan Sewerage District  
Buncombe County

Engineering Division

PL-4  
DRAWN: JDD  
DATE: 09/27/2018  
SCALE: 1"=30'  
CHECKED BY: KMA  
APPROVED: SKA

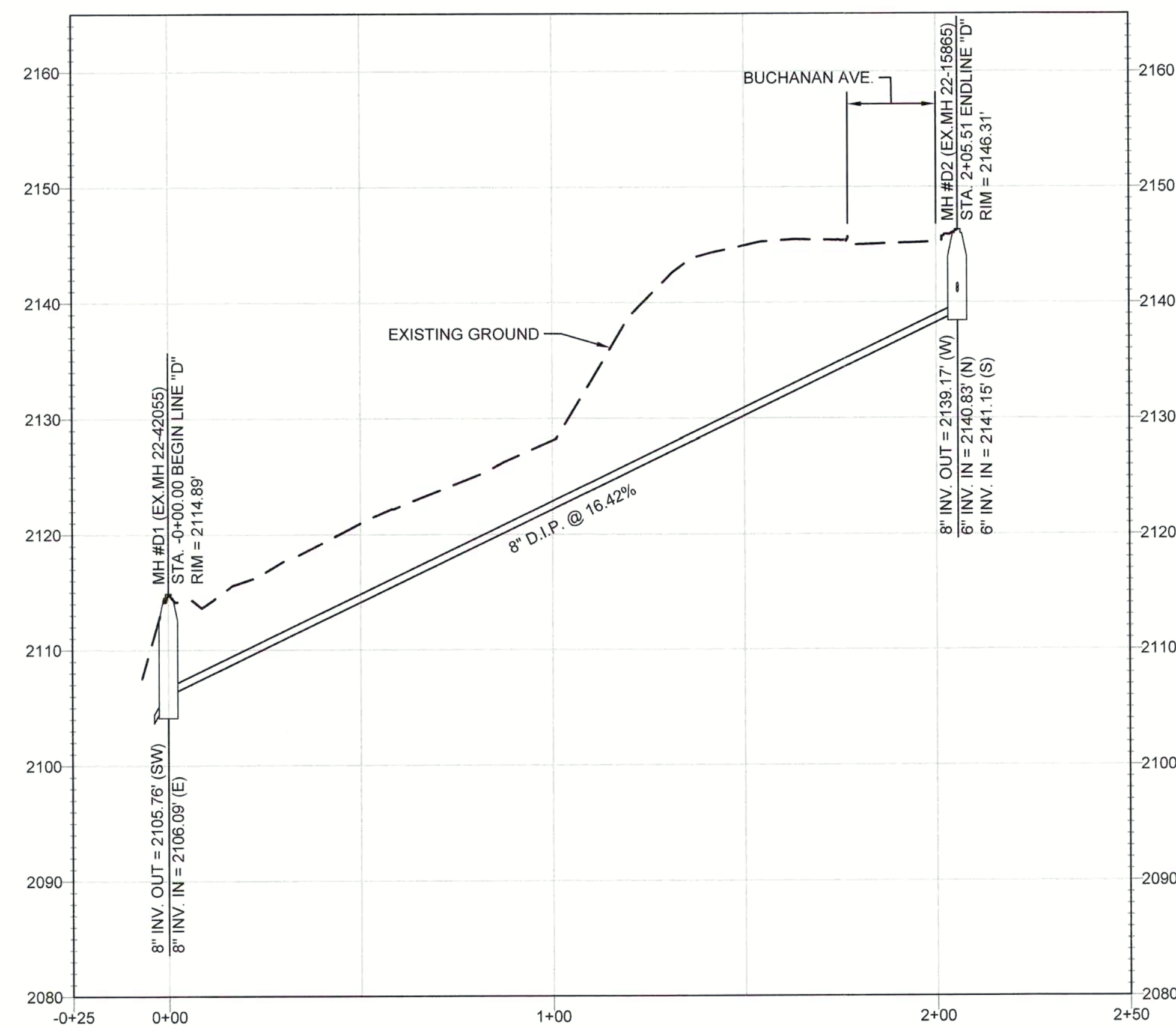


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### SANITARY SEWER PLAN LINE "D"

SCALE: 1"=30'



### SANITARY SEWER PROFILE LINE "D"

SCALE. HORIZ: 1"=30' ; VERT. 1"=10'

N.C. GRID NORTH  
 NAD83(2011B) NAVD88

Metropolitan Sewerage District  
 of Buncombe County  
 BUCHANAN AVE.  
 Sanitary Sewer Plan & Profile  
 Line "D"



No.	DESCRIPTION	DATE
1.	NOTE ADDED REGARDING GLENWOOD AVE. R/W	11-22-22

MSD

Engineering Division

DRAWN: JDO  
 CHECKED BY: KMA  
 APPROVED: SKA

DATE: 08/27/2018  
 SCALE: 1"=30'

PL-5



