



LE AN HURST ROAD

SANITARY SEWER REHABILITATION

(PROJECT NO. 2019027)

MSD OF BUNCOMBE COUNTY

INDEX OF DRAWINGS

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SEPARATION STATEMENT:

SEWER LINES SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN.

SEWER LINES CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE (CLEARANCE) OF 18 INCHES. THE CROSSING SHALL BE ARRANGED SUCH THAT THE SEWER JOINTS SHALL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN.

WHEN THIS VERTICAL DISTANCE IS NOT POSSIBLE TO OBTAIN, THE SEWER LINE SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE.

GENERAL NOTES:

- LENGTHS SHOWN ARE NOT ACTUAL PIPE LENGTHS BUT ARE DISTANCES STATION TO STATION. SLOPES SHOWN ON THE PROFILE ARE CALCULATED USING LENGTHS FROM INSIDE EDGES OF MANHOLE.
- 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: WES COLE LAND SURVEYING, PA (828) 251-7025.

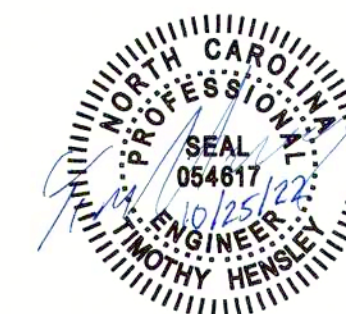
LEGEND

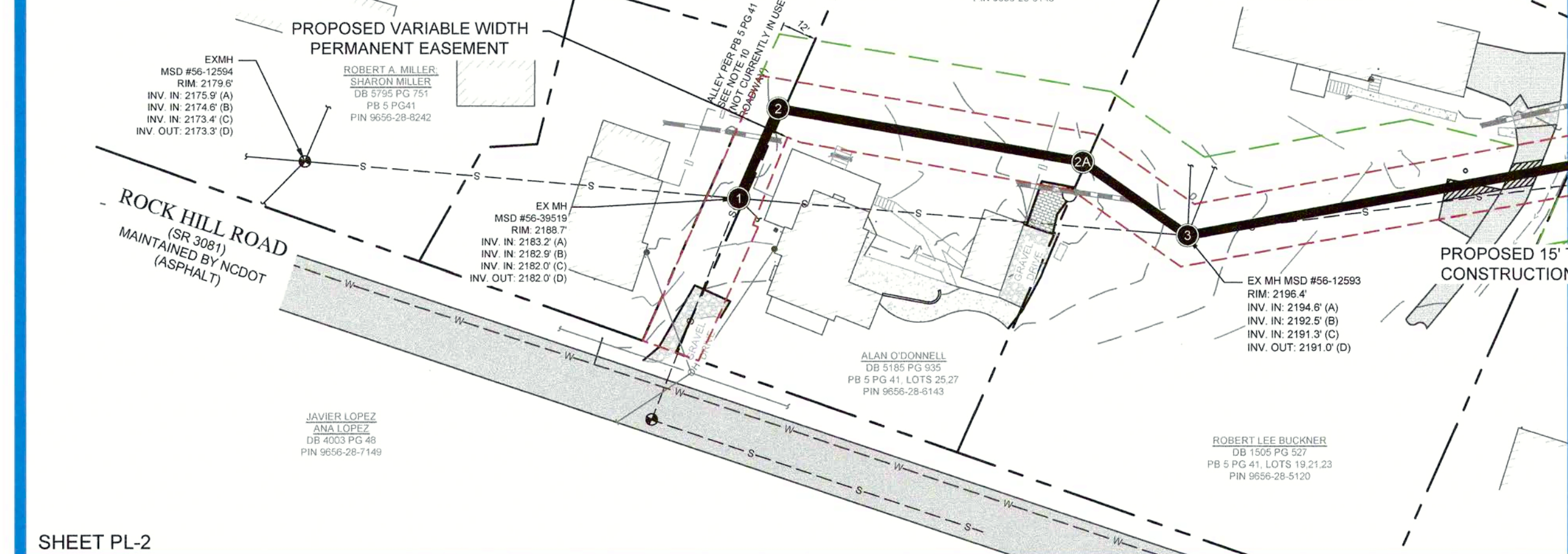
	CURB INLET		PROPOSED ABANDON SEWER PLUG
	STORM MANHOLE		PROPOSED MANHOLE NUMBER
	CATCH BASIN		PROPOSED ABANDON SEWER MANHOLE
	FFE = FINISHED FLOOR ELEV.		PROPOSED CLEANOUT
	CM = CONCRETE MONUMENT		EXISTING SANITARY SEWER MANHOLE
	CMRW = CONCRETE MONUMENT RIGHT OF WAY		EXISTING CLEANOUT
	DOT MON = DOT MONUMENT		SATELLITE DISH
	PK FIND = PK NAIL FOUND		WV = WATER VALVE
	EIP = EXISTING IRON PIN FOUND		ICV = IRRIGATION CONTROL VALVE
	REBAR FOUND		WELL
	SIGN		FH = FIRE HYDRANT
	GAS VALVE		WM = WATER METER
	GAS METER		SPIGOT
	TRAVERSE		UTILITY POLE
	SHRUB		GUY WIRE
	TREE		ELECTRICAL JUNCTION BOX
			ELECTRIC MANHOLE
			LIGHT POLE
	PROPOSED SEWER LINE (PIPE BURST)		
	PROPOSED SEWER LINE (DIG & REPLACE)		
	EXISTING SANITARY SEWER LINE		
	EXISTING PERMANENT EASEMENT		
	PROPOSED PERMANENT EASEMENT		
	PROPOSED TEMPORARY EASEMENT		
	PROPOSED SILT FENCE LINE		
	PROPOSED ASPHALT SURFACE REPAIR		
	PROPERTY LINE		
	RIGHT OF WAY LINE		
	EXISTING WATER LINE		
	EXISTING ROCK WALL LINE		
	EXISTING STREAM/CREEK		
	FEMA LINE (100 yr)		
	FEMA LINE (500 yr)		
	EXISTING GAS LINE		
	EXISTING OVER HEAD UTILITY LINE		
	EXISTING UNDERGROUND UTILITY		
	EXISTING STORM DRAINAGE PIPE		
	EXISTING FENCE LINE		
	DITCH LINE		
	TOE/TOP OF SLOPE		
	TREE LINE		
	SHRUB LINE		
	CONCRETE		
	GRAVEL AREA (RIP-RAP)		
	ASPHALT ROADWAY		
	EXISTING BUILDINGS		
	EXISTING MAJOR CONTOUR		
	EXISTING MINOR CONTOUR		



VICINITY MAP

Scale: NTS

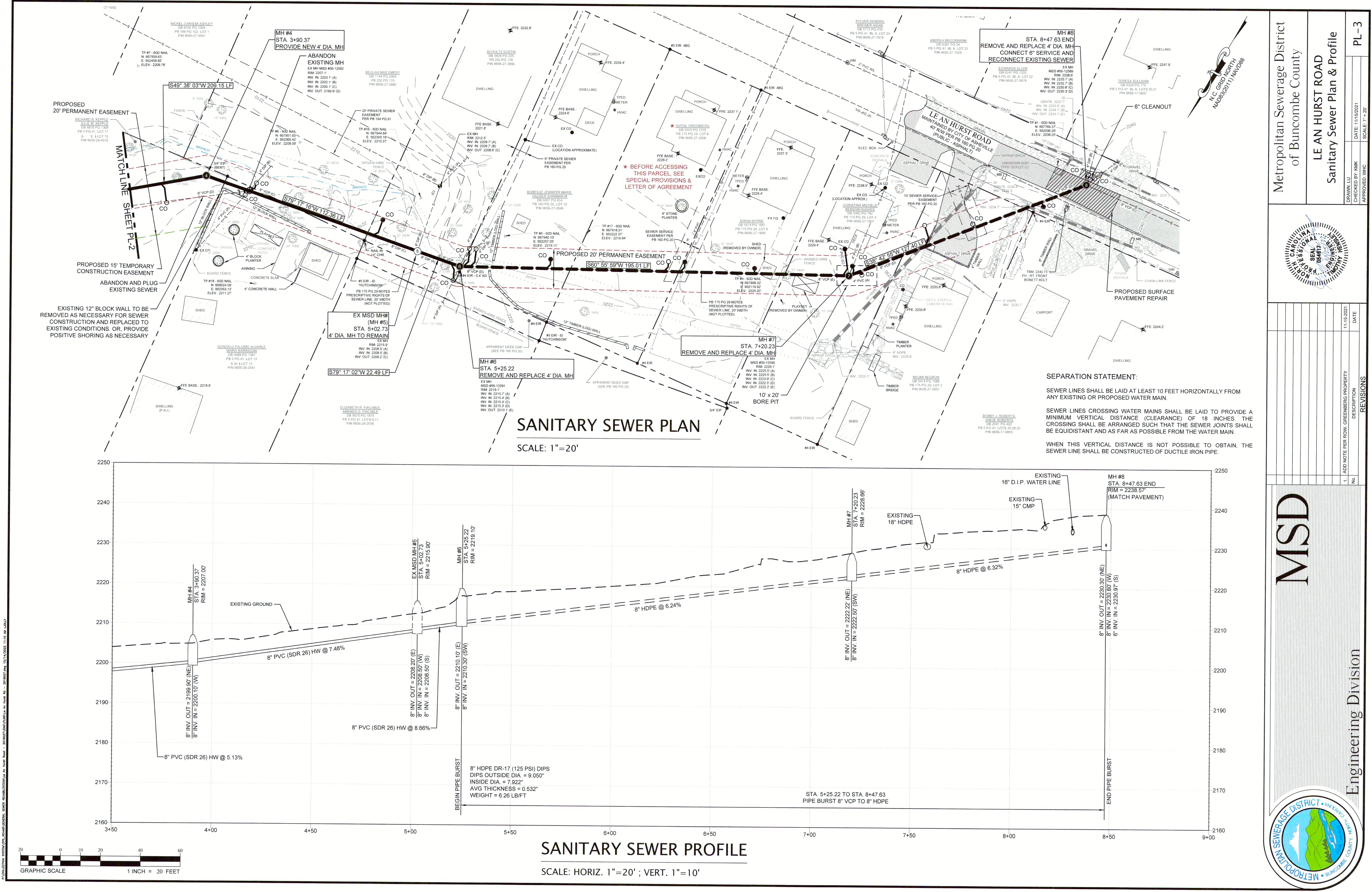




Engineering Division

Metropolitan Sewerage District of Buncombe County	LE AN HURST ROAD Overall Sanitary Sewer Plan		PL - 1
	DRAWN: LU CHECKED BY: KMK APPROVED: WHC	DATE: 07/27/2020 SCALE: 1" = 40'	

[illegible]



Metropolitan Sewerage District
of Buncombe County

LE AN HURST ROAD
Sanitary Sewer Plan & Profile

PL-3

CHECKED BY: JMK
APPROVED: WPC

DATE: 11/15/2021
SCALE: 1"=20'



REVISIONS	
No.	DATE
1.	ADD NOTE PER ROW GREENBERG PROPERTY

MSD

Engineering Division

Metropolitan Sewerage District • WNCDO PLANS
Buncombe County

