

Miracle of Hickory Park Modification

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benesch

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Civil Engineer



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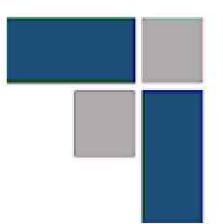
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Architect

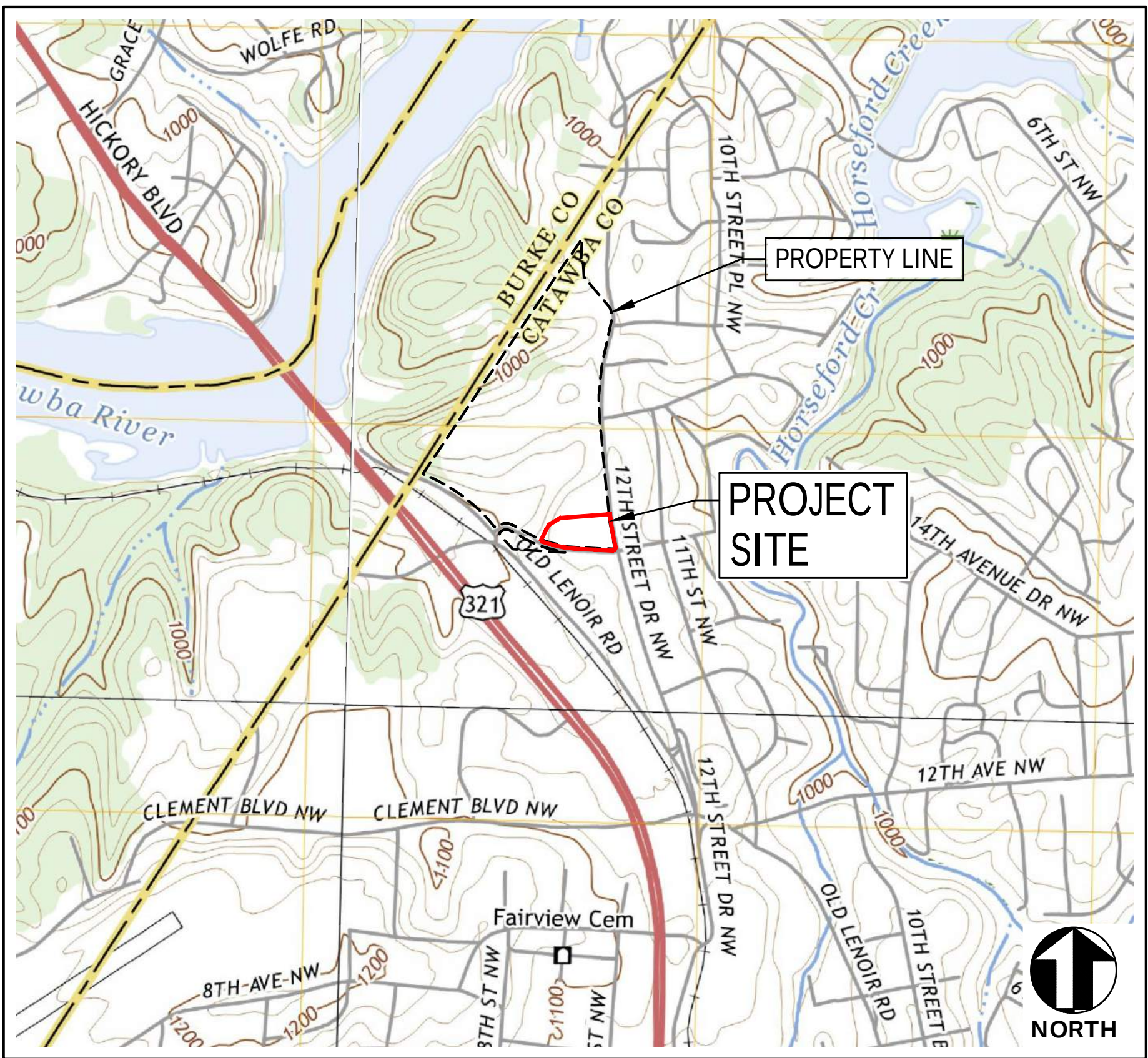


CBSA architects

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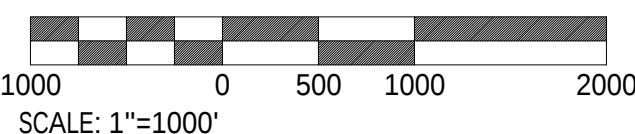
76 North Center Street
Hickory, NC 28601
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REFERENCE:
USGS 7.5-MINUTE TOPOGRAPHIC MAPS:
- BETHLEHEM, NC DATED 2022
- HICKORY, NC DATED 2022
- GRANITE FALLS, NC DATED 2022
- LONGVIEW, NC DATED 2022

Vicinity Map

SCALE: 1" = 1000'



Schedule of Drawings

SHEET NO.	TITLE
C000	COVER
BC1.0	PLATFORM APPENDIX B
BC1.1	RESTROOM APPENDIX B
A1.0	PLATFORM FLOOR PLAN FOUNDATION PLAN DETAILS
A1.1	RESTROOM FLOOR PLAN SCHEDULES
A2.0	RESTROOM SCHEDULES
A3.0	STAGE ELEVATIONS
A3.1	RESTROOM ELEVATIONS
S1	SURVEY
C100	EXISTING CONDITIONS AND DEMOLITION PLAN
C200	SITE PLAN
C300	EROSION AND SEDIMENT CONTROL NOTES
C301	EROSION AND SEDIMENT CONTROL PLAN
C302	GRADING AND DRAINAGE PLAN
C400	UTILITY PLAN
C500	DETAILS
C501	DETAILS
C502	DETAILS
P1	RESTROOM FLOOR PLAN PLUMBING, SPECIFICATIONS, SCHEDULES
E1	SPECIFICATIONS SCHEDULES APPENDIX B
E2	RESTROOM & STAGE FLOOR PLAN ELECTRICAL
E3	SITE PLAN ELECTRICAL

Revisions:

BID DOCUMENTS

Date of Issue: 07/17/2026 Set No.: _____

2018 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(Except 1 and 2 - Family Dwellings and Townhouses)

Name of Project: MIRACLE OF HICKORY PARK MODIFICATIONS
Address: 1515 12TH STREET DR NW HICKORY, NORTH CAROLINA Zip Code 28601
Proposed Use: PLATFORM & SHELTER
Owner or Authorized Agent: JON WOOD / BENESCH Phone: 704-943-3185 Email jwood@benesch.com
Owned By: City/County Private State
Code Enforcement Jurisdiction: City HICKORY County CATAWBA State

CONTACT MARTY BEAL / CBSA ARCHITECTS
DESIGNER FIRM NAME LICENSE # TELEPHONE # EMAIL
Architectural CBSA ARCHITECTS MARTY A. BEAL 5409 828-322-3403 mbeal@cbsa-architects.com
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Electrical BRITAIN ENGINEERING DON BRITTAIN 7883 828 328-1813 dbrittain@brittainengineering.com
Fire Alarm BRITAIN ENGINEERING DON BRITTAIN 7883 828 328-1813 dbrittain@brittainengineering.com
Plumbing BRITAIN ENGINEERING DON BRITTAIN 7883 828 328-1813 dbrittain@brittainengineering.com
Mechanical BRITAIN ENGINEERING DON BRITTAIN 7883 828 328-1813 dbrittain@brittainengineering.com
Sprinkler-Standpipe

Structural SEE PRECAST CONCRETE SHOP DRAWINGS
Retaining Wall >5' High
Pool Design

2018 NC BUILDING CODE: New Building Shell / Core 1st Time Interior Completions
Addition Phased Construction - Shell Core

2018 NC EXISTING BUILDING CODE: Prescriptive Alteration Level I Historic Property
Repair Alteration Level II Change of Use
Chapter 14 Alteration Level III

CONSTRUCTED: (Date) CURRENT OCCUPANCY(S) (CH. 3)
RENOVATED: (Date) PROPOSED OCCUPANCY(S) (CH. 3)

OCCUPANCY CATEGORY (Table 1604.5): Current: Proposed: --

BASIC BUILDING DATA:
Construction Type: I-A I-II-A I-II-B I-IV I-V-A
I-B I-II-B I-III-B I-V-B
Sprinklers No Partial Yes NFPA 13 NFPA 13R NFPA 13D
Standpipes: No Yes Class I II III Wet Dry
Primary Fire District: No Yes Flood Hazard Area No Yes
Special Inspections Required: No Yes

GROSS BUILDING AREA TABLE			
Floor	Existing (SQ FT)	New (SQ FT)	Sub-Total
Covered Porches	--	--	--
2nd Floor	--	--	--
1st Floor	--	424	424
Basement	--	--	--
TOTAL	--	424	424

ALLOWABLE AREA

Primary Occupancy Classification(s):
Assembly A-1 A-2 A-3 A-4 A-5
Business
Educational
Factory F-1 Moderate F-2 Low
Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
Institutional I-1 I-2 I-3 I-4
I-1 Condition 1 2
I-2 Condition 1 2
I-3 Condition 1 2 3 4 5
Mercantile
Residential R-1 R-2 R-3 R-4
Storage S-1 Moderate S-2 Low High Piled
Parking Garage Open Enclosed Repair Garage
Utility and Miscellaneous

Accessory Occupancy Classification(s): --

Incidental Uses (Table 509): --
This separation is not exempt as a Non-Separated Use (see exceptions).

Special Uses (Chapter 4 - List Code Sections): --

Special Provisions (Chapter 5 - List Code Sections): --

Mixed Occupancy: No Yes Separation: 0 Hr. Exception: 508.3.3

Actual Area of Occupancy - A2 + Actual Area of Occupancy - R1 + Actual Area of Occupancy - A3
Allowable Area of Occupancy - A2 + Allowable Area of Occupancy - R1 + Allowable Area of Occupancy - A3 ≤ 1

+ + = ≤ 1.00

STORY NO.	DESCRIPTION AND USE	(A) BUILDING AREA PER STORY (ACTUAL)	(B) TYPICAL 508.2 AREA	(C) AREA FOR FRONTAGE INCREASE	(D) ALLOWABLE AREA OR UNLIMITED
1	PLATFORM	424	UL	N/A	UL

- 1 Frontage area increases from Section 506.2 are computed thus:
- Perimeter which fronts a public way or open space having 20 feet minimum width = (F)
 - Total Building Perimeter = (P)
 - Ratio (F/P) = (F/P)
 - W = Minimum width of public way = (W)

- 2 Unlimited area applicable under conditions of Section 507.
3 Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
4 The maximum area of open parking garages must comply with 406.5.4. The maximum area of the air traffic control towers must comply with 412.3.1.
5 Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT			
	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	UL	9'-8"	--
Building Height in Stories (Table 504.4)	UL	1	--

1 Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	PROVIDED (W/REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Structural frame, including columns, girders, trusses							
Bearing walls							
Exterior							
North	>30'	0	0	--	--	--	--
East	>30'	0	0	--	--	--	--
West	>30'	0	0	--	--	--	--
South	>30'	0	0	--	--	--	--
Interior							
Nonbearing walls and partitions							
Exterior							
North	>30'	--	NA	--	--	--	--
East	>30'	--	NA	--	--	--	--
West	>30'	--	NA	--	--	--	--
South	>30'	--	NA	--	--	--	--
Interior walls and partitions							
Floor construction including supporting beams and joists							
		0	0				
Floor Ceiling Assembly			NA				
Columns Supporting Floors			NA				
Roof construction including supporting beams and joists							
		0	0				
Roof Ceiling Assembly			0				
Columns Supporting Roof			NA				
Shaft Enclosures- Exit			NA				
Shaft Enclosures- Other			NA				
Corridor Separation							
Occupancy / Fire Barrier Separation			NA				
Party / Fire Wall Separation			NA				
Smoke Barrier Separation			NA				
Tenant / Dwelling Unit / Sleeping Unit Separation			NA				
Incidental Use Separation			NA				

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

Fire Separation Distance (Feet) From Property Lines	Degree of Openings Protection (Table 705.5)	Allowable Area (%)	Actual Shown on Plans (%)
NA			
--	--	--	--
--	--	--	--

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: Yes No
Exit Signs: Yes No
Fire Alarm: Yes No
Smoke Detection Systems: Yes No
Carbon Monoxide Protection: Yes No

LIFE SAFETY PLAN REQUIREMENTS

Life safety Plan Sheet # A1.0

- Fire and / or smoke rated wall locations (Chapter 7)
Assumed and real property line locations (if not on site plan)
Exterior wall opening area with respect to distance to assumed property lines (705.8)
Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
Occupants loads for each area
Exit access travel distances (1017)
Common path of travel distances (Tables 1006.2.1 & 1006.3.2)
Dead end lengths (1020.4)
Clear exit widths for each exit door
Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
Actual occupant load for each exit door
A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
Location of doors with panic hardware (1010.1.10)
Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
Location of doors with electromagnetic egress locks (1010.1.9.9)
Location of doors equipped with hold open devices
Location of emergency escape windows (1030)
The square footage of each fire area (202)
The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE PARKING
(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED				TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 13' ACCESS AISLE	8' ACCESS AISLE		
-	9	2	0	2			4
-	-	-	-	-	-	-	-
TOTAL	-	9	2	0	2		4

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE	WATER CLOSETS			URINALS			LAVATORIES			SHOWERS / TUBS			DRINKING FOUNTAINS		
	MALE	FEMALE	UNSEX	MALE	FEMALE	UNSEX	MALE	FEMALE	UNSEX	MALE	FEMALE	UNSEX	REGULAR	ACCESSIBLE	
EXISTG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REQD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SEE MANUFACTURER'S SHOP DRAWINGS

ENERGY SUMMARY

ENERGY REQUIREMENTS:

The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: _____

Climate Zone: 3 4 5

Method of Compliance:

- ☐ Prescriptive (Energy Code)
☐ Performance (Energy Code)
☐ Prescriptive (ASHRAE 90.1)
☐ Performance (ASHRAE 90.1)

THERMAL ENVELOPE

Roof/Ceiling Assembly (each assembly) SEE SHOP DRAWING DETAILS
Description of assembly: U-0.0
U-Value of total assembly: U-0.0
R-Value of insulation: R-0.0
Skylights in each assembly: NA
U-Value of skylight: _____
total square footage of skylights in each assembly: _____

Exterior Walls (each assembly)
Description of assembly: SEE SHOP DRAWING DETAILS
U-Value of total assembly: U-0.0
R-Value of insulation: R-0.0
Openings (windows or doors with glazing)
U-Value of assembly: NA
Solar heat gain coefficient: NA
projection factor: NA
Door R-Values: NA

Walls below grade (each assembly)
Description of assembly: NA
U-Value of total assembly: _____
R-Value of insulation: _____

Floors over unconditioned space (each assembly)
Description of assembly: NA
U-Value of total assembly: _____
R-Value of insulation: _____

Floors slab on grade
Description of assembly: SEE SHOP DRAWING DETAILS
U-Value of total assembly: U-0.0
R-Value of insulation: R-0.0
Horizontal/vertical requirement: NA
Slab heated: NA

STRUCTURAL DESIGN

SEE MANUFACTURER'S SHOP DRAWINGS

DESIGN LOADS:

Importance Factors: Wind (I_w) --
Snow (I_s) --
Seismic (I_e) --

Live Loads: Roof -- psf
Mezzanine -- psf
Floor -- psf

Ground Snow Loads: -- psf

Wind Loads: Basic Wind Speed -- mph (ASCE-7)
Exposure Category --
Wind Base Shear (For MWRFS) V_x -- V_y --

SEISMIC DESIGN CATEGORY A B C D

Provide the following Seismic Design Parameters:
Occupancy Category (Table 1604.5) I II III IV
Spectral Response Acceleration S_s -- % S_t -- %
Site Classification (ASCE 7) A B C D E F
Data Source: Field Test Presumptive Historical Data

Basic structural system (check one)
☐ Bearing Wall ☐ Dual w/Special Moment Frame
☐ Building Frame ☐ Dual w/Intermediate R/C or Special Steel
☐ Moment Frame ☐ Inverted Pendulum
Seismic bBase Shear V_x -- V_y --

Analysis Procedure ☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic

Architectural, Mechanical, Components anchored? ☐ Yes ☐ No

LATERAL DESIGN CONTROL: Earthquake ☐ Wind ☐

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) -- psf
Presumptive Bearing capacity -- psf
Pile size, type, and capacity --

SEE MANUFACTURER'S SHOP DRAWINGS

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone
winter dry bulb: _____
summer dry bulb: _____

Interior design conditions
winter dry bulb: _____
summer dry bulb: _____
relative humidity: _____

Building heating load: _____

Building cooling load: _____

Mechanical Spacing Conditioning System

Unitary
description of unit: _____
heating efficiency: _____
cooling efficiency: _____
size category of unit: _____

Boiler
Size category, if oversized, state reason: _____

Chiller
Size category, if oversized, state reason: _____

List equipment efficiencies: _____

SEE MANUFACTURER'S SHOP DRAWINGS

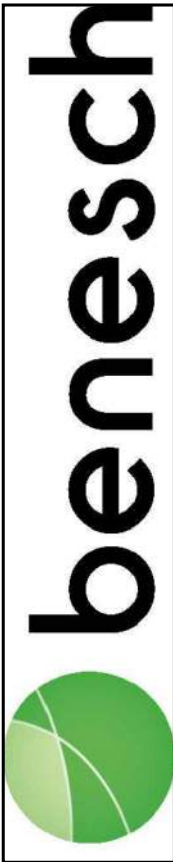
ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance:
Energy Code: ☐ Prescriptive ☐ Performance
ASHRAE 90.1: ☐ Prescriptive ☐ Performance

Lighting Schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs allowed (whole building or space by space)
total exterior wattage specified vs allowed

Additional Prescriptive Compliance
☐ 506.2.1 More Efficient Mechanical equipment
☐ 506.2.2 Reduced Lighting Power Density
☐ 506.2.3 Energy recovery Ventilation systems
☐ 506.2.4 Higher efficiency Service water Heating
☐ 506.2.5 On-Site Supply of Renewable energy
☐ 506.2.6 Automatic Daylighting Control Systems



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Seals:

Corp. NC license: F-1320

Miracle of Hickory Park
Modifications

1515 12th Street Dr NW
Hickory, North Carolina

Project no: 1726.500007.00

Date: 07.10.26

Revisions:

Sheet Title:

PLATFORM
APPENDIX B

Sheet No:

BC1.0

2018 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(Except 1 and 2 - Family Dwellings and Townhouses)

Name of Project: MIRACLE OF HICKORY PARK MODIFICATIONS
Address: 1515 12TH STREET DR NW HICKORY, NORTH CAROLINA Zip Code 28601
Proposed Use: PARK & RESTROOM
Owner or Authorized Agent: JON WOOD / BENESCH Phone: 704-943-3185 Email jwood@benesch.com
Owned By: ☐ City/County ☐ Private ☐ State
Code Enforcement Jurisdiction: ☒ City HICKORY ☒ County CATAWBA ☐ State

CONTACT MARTY BEAL / CBSA ARCHITECTS
DESIGNER FIRM NAME LICENSE # TELEPHONE # EMAIL
Architectural CBSA ARCHITECTS MARTY A. BEAL 5409 828-322-3403 mbeal@cbsa-architects.com
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Fire Alarm
Plumbing BRITAIN ENGINEERING DON BRITTAIN 7883 828 328-1813 dbrittain@brittainengineering.com
Mechanical BRITAIN ENGINEERING DON BRITTAIN 7883 828 328-1813 dbrittain@brittainengineering.com
Sprinkler-Standpipe

Structural SEE PRECAST CONCRETE SHOP DRAWINGS
Retaining Wall >5' High
Pool Design

2018 NC BUILDING CODE: ☒ New Building ☐ Shell / Core ☐ 1st Time Interior Completions
☐ Addition ☐ Phased Construction - Shell Core

2018 NC EXISTING BUILDING CODE: ☐ Prescriptive ☐ Alteration Level I ☐ Historic Property
(check all that apply) ☐ Repair ☐ Alteration Level II ☐ Change of Use
☐ Chapter 14 ☐ Alteration Level III

CONSTRUCTED: (Date) CURRENT OCCUPANCY(S) (CH. 3)
RENOVATED: (Date) PROPOSED OCCUPANCY(S) (CH. 3) --

OCCUPANCY CATEGORY (Table 1604.5): Current: Proposed: --

BASIC BUILDING DATA:
Construction Type: ☐ I-A ☐ II-A ☐ III-A ☐ IV ☐ V-A
(check all that apply) ☐ I-B ☒ II-B ☐ III-B ☐ V-B
Sprinklers ☒ No ☐ Partial ☐ Yes ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ☒ No ☐ Yes Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry
Primary Fire District: ☒ No ☐ Yes Flood Hazard Area: ☒ No ☐ Yes
Special Inspections Required: ☒ No ☐ Yes

GROSS BUILDING AREA TABLE

Floor	Existing (SQ FT)	New (SQ FT)	Sub-Total
Covered Porches	--	--	--
2nd Floor	--	--	--
1st Floor	--	130	130
Basement	--	--	--
TOTAL	--	130	130

ALLOWABLE AREA

Primary Occupancy Classification(s):
Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☒ A-5
Business ☐
Educational ☐
Factory ☐ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-1 Condition ☐ 1 ☐ 2
I-2 Condition ☐ 1 ☐ 2
I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
Mercantile ☐
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☒ S-2 Low ☐ High Piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐

Accessory Occupancy Classification(s): --

Incidental Uses (Table 509): --
This separation is not exempt as a Non-Separated Use (see exceptions).

Special Uses (Chapter 4 - List Code Sections): --

Special Provisions (Chapter 5 - List Code Sections): --

Mixed Occupancy: ☐ No ☒ Yes Separation: 0 Hr. Exception: 508.3.3

$$\frac{\text{Actual Area of Occupancy - A2}}{\text{Allowable Area of Occupancy - A2}} + \frac{\text{Actual Area of Occupancy - R1}}{\text{Allowable Area of Occupancy - R1}} + \frac{\text{Actual Area of Occupancy - A3}}{\text{Allowable Area of Occupancy - A3}} \leq 1$$

$$\text{---} + \text{---} + \text{---} = \text{---} \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BUILDING AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA	(C) AREA FOR FRONTAGE INCREASE	(D) ALLOWABLE AREA OR UNLIMITED
1	RESTROOM	130	26,000	N/A	26,000

- 1 Frontage area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (F)
b. Total Building Perimeter = (P)
c. Ratio (F/P) = (F/P)
d. W = Minimum width of public way = (W)

2 Unlimited area applicable under conditions of Section 507.

3 Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).

4 The maximum area of open parking garages must comply with 406.5.4. The maximum area of the air traffic control towers must comply with 412.3.1.

5 Frontage increase is based on the unspinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	UL	9'-8"	--
Building Height in Stories (Table 504.4)	UL	1	--

¹ Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	REQD	RATING PROVIDED (W/ REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Structural frame, including columns, girders, trusses							
Bearing walls							
Exterior							
North	>30'	0	0	--	--	--	--
East	>30'	0	0	--	--	--	--
West	>30'	0	0	--	--	--	--
South	>30'	0	0	--	--	--	--
Interior		0	0				
Nonbearing walls and partitions							
Exterior							
North	>30'	--	NA	--	--	--	--
East	>30'	--	NA	--	--	--	--
West	>30'	--	NA	--	--	--	--
South	>30'	--	NA	--	--	--	--
Interior walls and partitions		--	NA				
Floor construction Including supporting beams and joists		0	0				
Floor Ceiling Assembly		NA					
Columns Supporting Floors		NA					
Roof construction Including supporting beams and joists		0	0				
Roof Ceiling Assembly		0	0				
Columns Supporting Roof		NA					
Shaft Enclosures- Exit		NA					
Shaft Enclosures- Other		NA					
Corridor Separation		NA					
Occupancy / Fire Barrier Separation		NA					
Party / Fire Wall Separation		NA					
Smoke Barrier Separation		NA					
Tenant / Dwelling Unit / Sleeping Unit Separation		NA					
Incidental Use Separation		NA					

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

Fire Separation Distance (Feet) From Property Lines	Degree of Openings Protection (Table 705.5)	Allowable Area (%)	Actual Shown on Plans (%)
NA	--	--	--
--	--	--	--
--	--	--	--

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☒ Yes ☐ No
Exit Signs: ☐ Yes ☒ No
Fire Alarm: ☐ Yes ☒ No
Smoke Detection Systems: ☐ Yes ☒ No
Carbon Monoxide Protection: ☐ Yes ☒ No

LIFE SAFETY PLAN REQUIREMENTS

Life safety Plan Sheet # --

- ☐ Fire and / or smoke rated wall locations (Chapter 7)
☐ Assumed and real property line locations (if not on site plan)
☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
☐ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
☐ Occupants loads for each area
☐ Exit access travel distances (1017)
☐ Common path of travel distances (Tables 1006.2.1 & 1006.3.2)
☐ Dead end lengths (1020.4)
☐ Clear exit widths for each exit door
☐ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
☐ Actual occupant load for each exit door
☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
☐ Location of doors with panic hardware (1010.1.10)
☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
☐ Location of doors equipped with hold open devices
☐ Location of emergency escape windows (1030)
☐ The square footage of each fire area (202)
☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
☐ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE PARKING
(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	PROVIDED	# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
			REGULAR WITH 5' ACCESS AISLE	132" ACCESS AISLE	8' ACCESS AISLE	
-	-	9	2	0	2	4
-	-	-	-	-	-	-
TOTAL	-	9	2	0	2	4

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE	WATERCLOSETS		URINALS		LAVATORIES		SHOWERS/TUBS		DRINKING FOUNTAINS	
	MALE	FEMALE/UNISEX	MALE	FEMALE/UNISEX	MALE	FEMALE/UNISEX	REGULAR	ACCESSIBLE	REGULAR	ACCESSIBLE
EXIST'G	0	0	0	0	0	0	0	0	0	0
NEW	0	0	2	0	0	0	2	0	0	0
TOTAL	0	0	2	0	0	0	2	0	0	0
REQD	0	0	2	0	0	0	2	0	0	0

SEE MANUFACTURER'S SHOP DRAWINGS

ENERGY SUMMARY

ENERGY REQUIREMENTS:

The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: _____

Climate Zone: ☐ 3 ☒ 4 ☐ 5

Method of Compliance:

- ☐ Prescriptive (Energy Code)
☐ Performance (Energy Code)
☐ Prescriptive (ASHRAE 90.1)
☐ Performance (ASHRAE 90.1)

THERMAL ENVELOPE

Roof/ceiling Assembly (each assembly)

Description of assembly: SEE SHOP DRAWING DETAILS

U-Value of total assembly: U-0.0

R-Value of insulation: R-0.0

Skylights in each assembly: NA

U-Value of skylight: _____

total square footage of skylights in each assembly: _____

Exterior Walls (each assembly)

Description of assembly: SEE SHOP DRAWING DETAILS

U-Value of total assembly: U-0.0

R-Value of insulation: R-0.0

Openings (windows or doors with glazing)

U-Value of assembly: NA

Solar heat gain coefficient: NA

projection factor: NA

Door R-Values: NA

Walls below grade (each assembly)

Description of assembly: NA

U-Value of total assembly: _____

R-Value of insulation: _____

Floors over unconditioned space (each assembly)

Description of assembly: NA

U-Value of total assembly: _____

R-Value of insulation: _____

Floors slab on grade

Description of assembly: SEE SHOP DRAWING DETAILS

U-Value of total assembly: U-0.0

R-Value of insulation: R-0.0

Horizontal/vertical requirement: NA

Slab heated: NA

STRUCTURAL DESIGN

SEE MANUFACTURER'S SHOP DRAWINGS

DESIGN LOADS:

Importance Factors: Wind (I_w) --
Snow (I_s) --
Seismic (I_e) --
Live Loads: Roof -- psf
Mezzanine -- psf
Floor -- psf
Ground Snow Loads: -- psf
Wind Loads: Basic Wind Speed -- mph (ASCE-7)
Exposure Category --
Wind Base Shear (For MWRFSS) V_x -- V_y --

SEISMIC DESIGN CATEGORY ☐ A ☐ B ☐ C ☐ D

Provide the following Seismic Design Parameters:

Occupancy Category (Table 1604.5) ☐ I ☐ II ☐ III ☐ IV

Spectral Response Acceleration S_s -- %g S₁ -- %g

Site Classification (ASCE 7) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F

Data Source: ☐ Field Test ☐ Presumptive ☐ Historical Data

Basic structural system (check one)

- ☐ Bearing Wall ☐ Dual w/Special Moment Frame
☐ Building Frame ☐ Dual w/Intermediate R/C or Special Steel
☐ Moment Frame ☐ Inverted Pendulum
Siesmic bBase Shear V_x -- V_y --

Analysis Procedure ☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic

Architectural, Mechanical, Components anchored? ☐ Yes ☐ No

LATERAL DESIGN CONTROL: Earthquake ☐ Wind ☐

SOIL BEARING CAPACITIES:

Field Test (provide copy of test report) -- psf
Presumptive Bearing capacity -- psf
Pile size, type, and capacity



SEE MANUFACTURER'S SHOP DRAWINGS

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone

winter dry bulb: _____

summer dry bulb: _____

Interior design conditions

winter dry bulb: _____

summer dry bulb: _____

relative humidity: _____

Building heating load: _____

Building cooling load: _____

Mechanical Spacing Conditioning System

Unitary

description of unit: _____

heating efficiency: _____

cooling efficiency: _____

size category of unit: _____

Boiler

Size category. If oversized, state reason: _____

Chiller

Size category. If oversized, state reason: _____

List equipment efficiencies: _____

SEE MANUFACTURER'S SHOP DRAWINGS

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance:

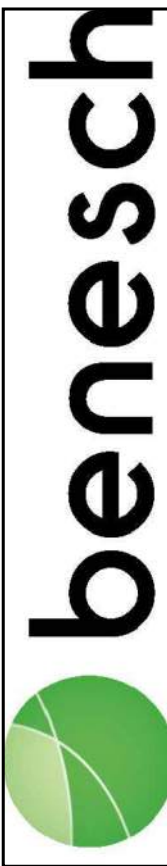
- Energy Code: ☐ Prescriptive ☐ Performance
ASHRAE 90.1: ☐ Prescriptive ☐ Performance

Lighting Schedule (each fixture type)

lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs allowed (whole building or space by space)
total exterior wattage specified vs allowed

Additional Prescriptive Compliance

- ☐ 506.2.1 More Efficient Mechanical equipment
☐ 506.2.2 Reduced Lighting Power Density
☐ 506.2.3 Energy recovery Ventilation systems
☐ 506.2.4 Higher efficiency Service water Heating
☐ 506.2.5 On-Site Supply of Renewable energy
☐ 506.2.6 Automatic Daylighting Control Systems



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Seals:

Corp. NC license: F-1320

Miracle of Hickory Park
Modifications
1515 12th Street Dr NW
Hickory, North Carolina

Project no: 1726.500007.00

Date: 07.10.26

Revisions:

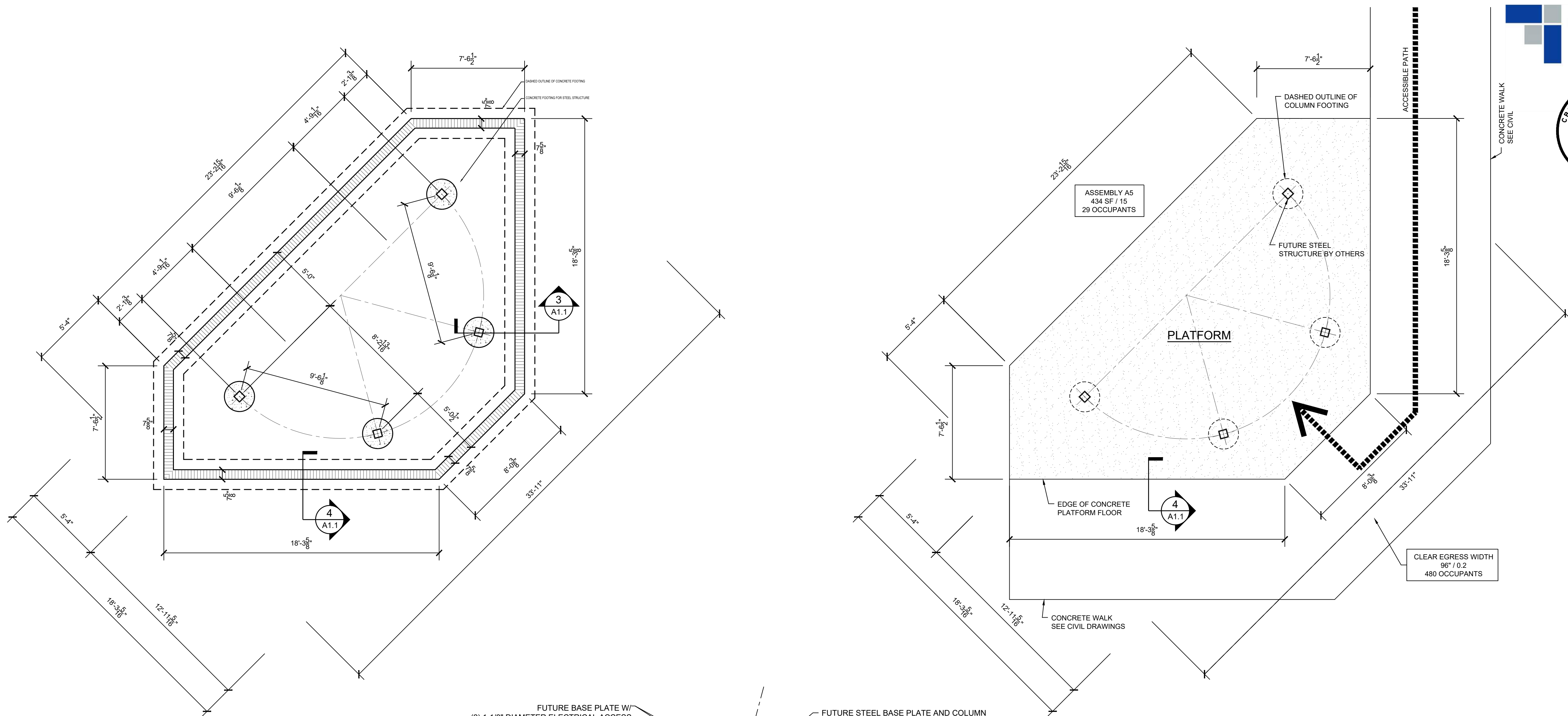
Sheet Title:

RESTROOM
APPENDIX B

Sheet No:

BC1.1

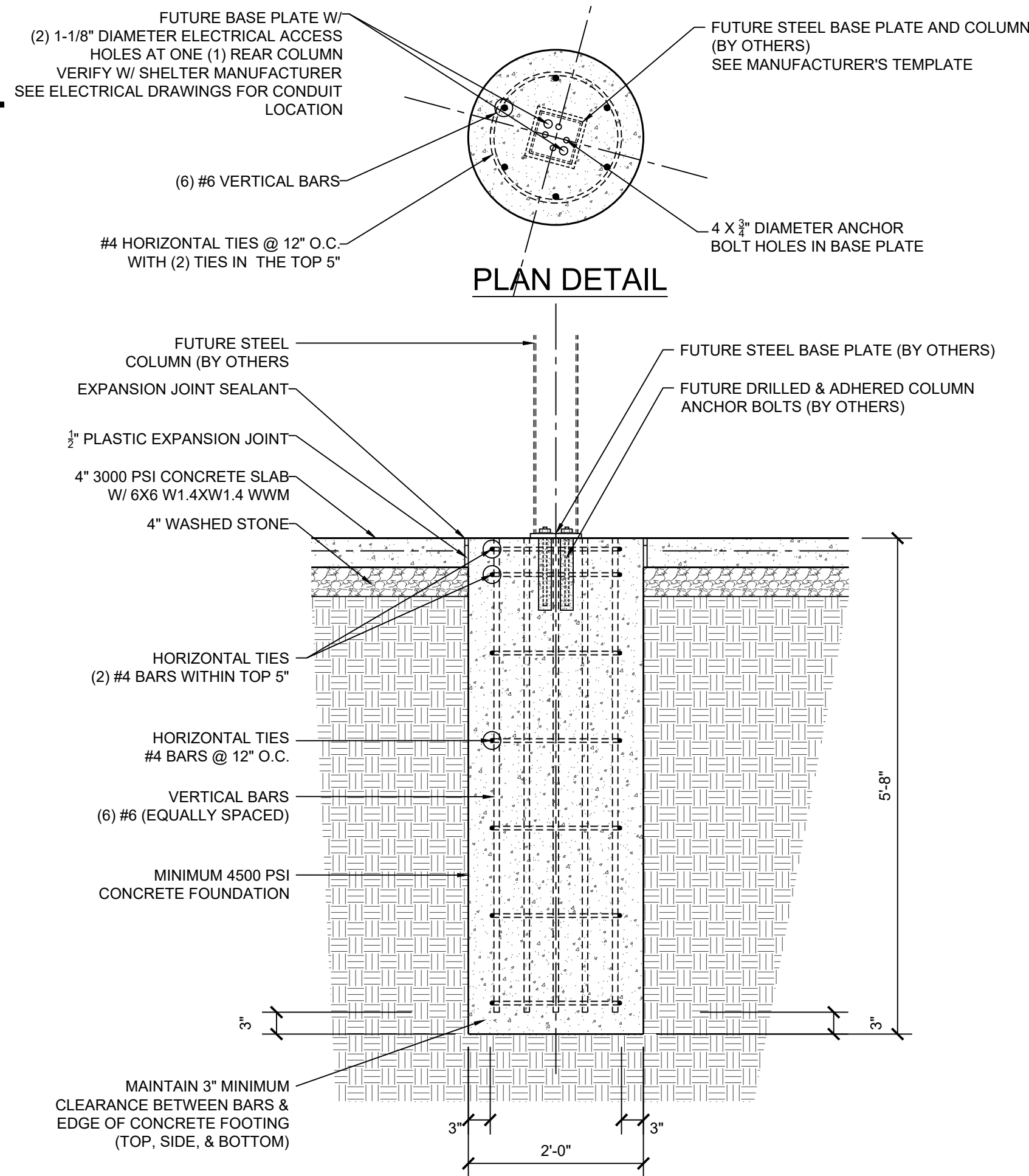
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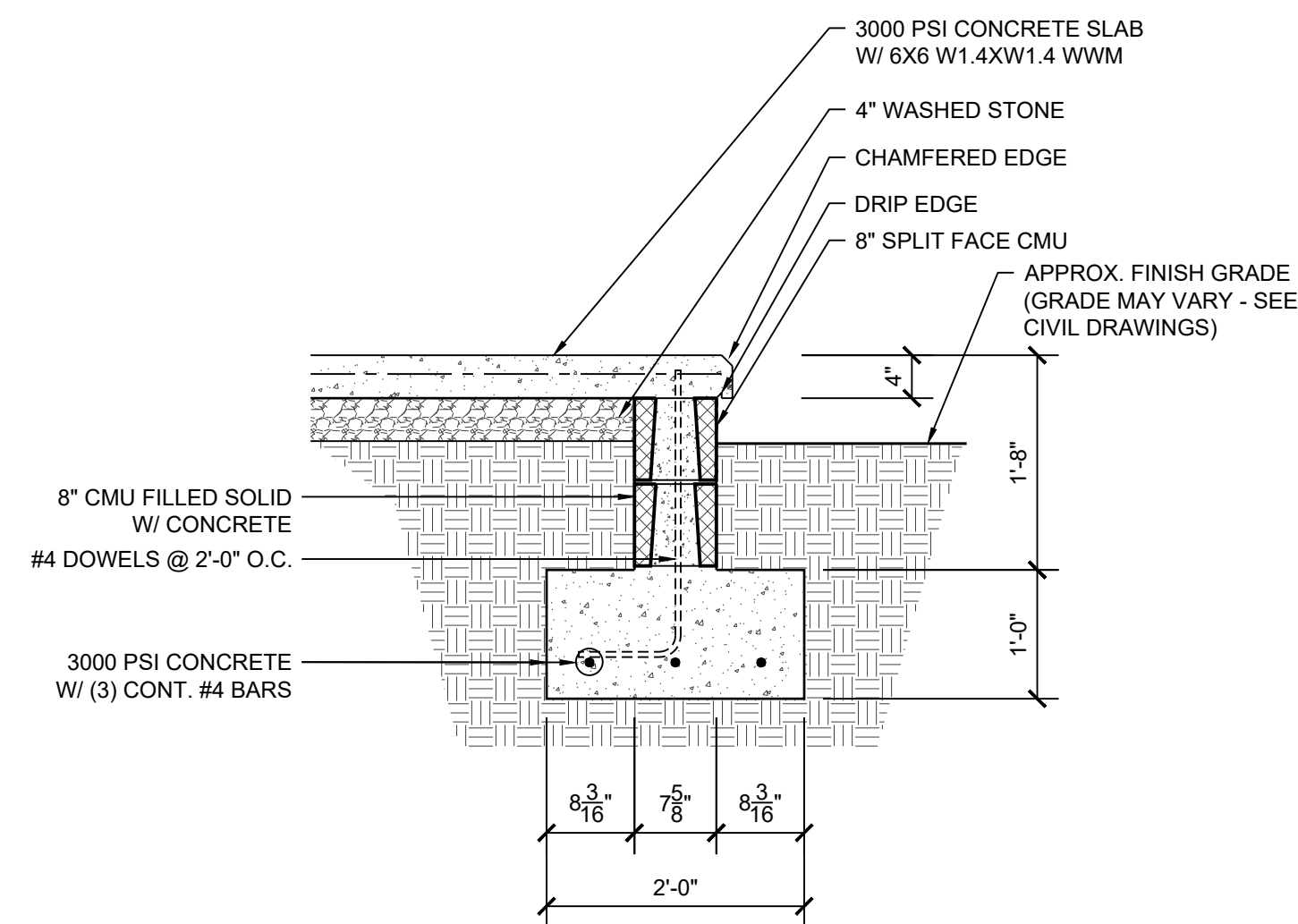
2 PLATFORM FOUNDATION PLAN
A1.1 SCALE: 1/4" = 1'-0"

1 PLATFORM FLOOR PLAN
A1.1 SCALE: 1/4" = 1'-0"

- FUTURE ANCHOR BOLT NOTES:**
- ANCHOR BOLTS SHALL BE INSTALLED IN FUTURE AND NOT PART OF THIS CONTRACT. FUTURE ANCHOR BOLTS TO BE DRILLED AND ADHERED INTO PLACE.
 - FUTURE ANCHOR BOLTS (BY OTHERS) TO BE EQUAL TO "HILTI" HIT-HY 200 (A OR R) V3 ADHESIVE WITH 1/2" HAS-E ROD WITH 6" EFFECTIVE EMBEDMENT.



3 COLUMN FOOTING DETAIL
A1.1 SCALE: 3/4" = 1'-0"



4 STAGE WALL DETAIL
A1.1 SCALE: 3/4" = 1'-0"

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Tel: 828.322.3403
CBSA PROJECT NO. 2025.003

DESIGNS, INC.
REGISTERED ARCHITECTURAL CORP.
51590
HICKORY, NC

MARTY ALLEN BEAL
REGISTERED ARCHITECT
5409
HICKORY, NC

07/10/26

benesch

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Miracle of Hickory Park Modifications

1515 12th Street Dr NW
Hickory, North Carolina

Project no: 1726.500007.00
Date: 07.10.26
Revisions:

Sheet Title:
**PLATFORM
FLOOR PLAN
FOUNDATION PLAN**

DETAILS
Sheet No:
A1.0

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DOOR, FRAME AND HARDWARE SCHEDULE

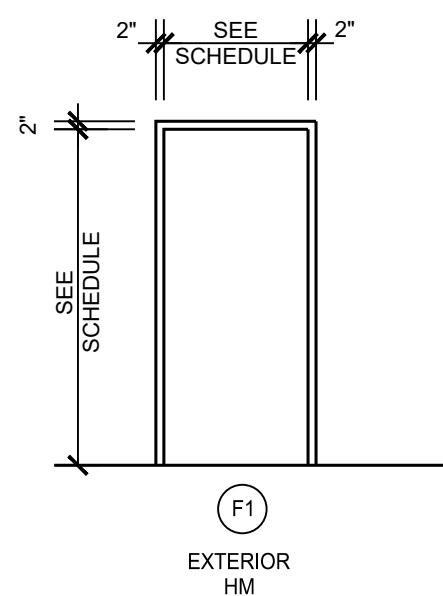
DOOR LEGEND:				HARDWARE LEGEND:				DOOR NOTES:				HARDWARE:			
TIG	TEMPERED INSULATED GLASS	ET	ENTRANCE	OFF	OFFICE	ST	STORAGE	①	GALVANIZED	②	--	M	MORTISE	C	CYLINDRICAL
TG	TEMPERED GLASS	ST	STORAGE	ST	STORAGE	ST	STORAGE	②	--	①	GALVANIZED	M	MORTISE	C	CYLINDRICAL
PR	PAIR	ST	STORAGE	ST	STORAGE	ST	STORAGE	②	--	②	--	M	MORTISE	C	CYLINDRICAL
HM	HOLLOW METAL - INSULATED	PV	PRIVACY	CR	CLASSROOM	PA	PASSAGE	②	--	②	--	M	MORTISE	C	CYLINDRICAL
SCWD	SOLID CORE WOOD DOOR	CR	CLASSROOM	PA	PASSAGE	ED	RIM TYPE EXIT DEVICE	②	--	②	--	M	MORTISE	C	CYLINDRICAL
DE	DOUBLE EGRESS	ED	RIM TYPE EXIT DEVICE	WD	WOOD DOOR	WD	WOOD DOOR	②	--	②	--	M	MORTISE	C	CYLINDRICAL
CG	CERAMIC FIRE RATED GLASS	WD	WOOD DOOR	WD	WOOD DOOR	WD	WOOD DOOR	②	--	②	--	M	MORTISE	C	CYLINDRICAL
EX	EXISTING	WD	WOOD DOOR	WD	WOOD DOOR	WD	WOOD DOOR	②	--	②	--	M	MORTISE	C	CYLINDRICAL
CO	CASED OPENING	WD	WOOD DOOR	WD	WOOD DOOR	WD	WOOD DOOR	②	--	②	--	M	MORTISE	C	CYLINDRICAL
HCWD	HOLLOW CORE WOOD DOOR	WD	WOOD DOOR	WD	WOOD DOOR	WD	WOOD DOOR	②	--	②	--	M	MORTISE	C	CYLINDRICAL
HCMD	HOLLOW CORE MOLDED DOOR	WD	WOOD DOOR	WD	WOOD DOOR	WD	WOOD DOOR	②	--	②	--	M	MORTISE	C	CYLINDRICAL
OPENING				DOORS				FRAMES				NOTES			
NUMBER	LABEL	TYPE	MATERIAL	SIZE	GLASS	NOTES	TYPE	MATERIAL	JAMB	HEAD	NOTES	NUMBER	LABEL	TYPE	MATERIAL
100	--	D1	HM	3'-0" X 6'-8"	--	①	F1	HM	--	--	①	M	--	--	100
101	--	D1	HM	3'-0" X 6'-8"	--	①	F1	HM	--	--	①	M	--	--	101
102	--	D1	HM	3'-0" X 6'-8"	--	①	F1	HM	--	--	①	M	--	--	102

GENERAL NOTES:

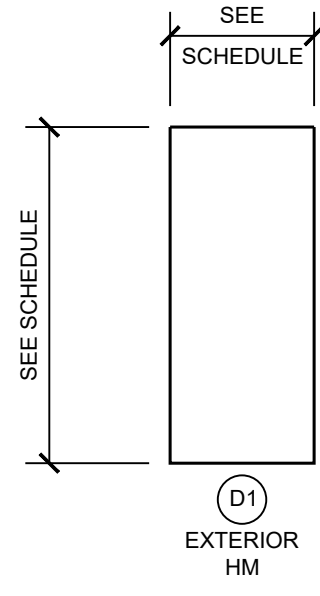
①
②
③
④

FINISH ROOM SCHEDULE

ABBREVIATIONS											
ACT 1	2' X 2' ACOUSTICAL TILE	CLR CONC	COLOR CONCRETE	MRGB	MAT	MOIST. & MOLD RESIST. GYP. BD.	RUBB	S	RUBBER - 4" COVED BASE	WD	WOOD WALL PANEL
ACT 2	2' X 2' ACOUSTICAL TILE	EP	EPOXY FLOOR	MT	P	WALK - OFF MAT	ST	SEALED	WALK - OFF MAT	MWP	METAL WALL PANEL
BB	BEAD BOARD	EXT	EPOXY FLOOR	MT	P	MARBLE TILE	ST	CRUSHED STONE	MARBLE TILE		
CPT #1	CARPET - ROLL	EXP	EXISTING	PL LAM	PL	PLASTIC LAMINATE	STL STRUC	STEEL STRUCTURE	PL LAM		
CPT #2	CARPET - MODULAR TILE	EXT - BRK	EXISTING BRICK	PLST	PLASTER	PLASTER	TERR	TERRAZZO	PLST		
CT	CERAMIC TILE	EXT - MAS	EXISTING MASONRY WALLS	POR T	PORCELAIN TILE	PORCELAIN TILE	TP	TEXTURED PAINT	POR T		
CT - S	CERAMIC TILE (SPECIAL SHAPE)	GB	GYPSUM BOARD	PLWD	PLYWOOD	PLYWOOD	VWC	VINYL WALL COVERING	GB		
CONC	CONCRETE - SEALED	LVP	LUXURY VINYL PLANK	PLWD	PLYWOOD	PLYWOOD	VCT	VINYL COMPOSITION TILE	LVP		
CMU	CONCRETE MASONRY			RSV	RESILIENT SHEET VINYL	RESILIENT SHEET VINYL	WC - (type)	WC - (type)	CMU		
FLOORS				WALLS				CEILING		NOTES	
NO.	SPACE	FLOOR	BASE	NORTH	SOUTH	EAST	WEST	MATERIAL	HEIGHT		NO.
	STORAGE	CONC	--	CONC	CONC	CONC	CONC	CONC	VARIES		100
	RESTROOM 1	CONC	--	CONC	CONC	CONC	CONC	CONC	VARIES		101
	RESTROOM 2	CONC	--	CONC	CONC	CONC	CONC	CONC	VARIES		102
GENERAL NOTES:											
INTERIOR WALLS TO BE FINISHED WHITE AND GRAY FLOOR.											
EXTERIOR ROCK WAINSCOT TO BE FINISHED NATURAL HONEY AND GREEN ROOF.											



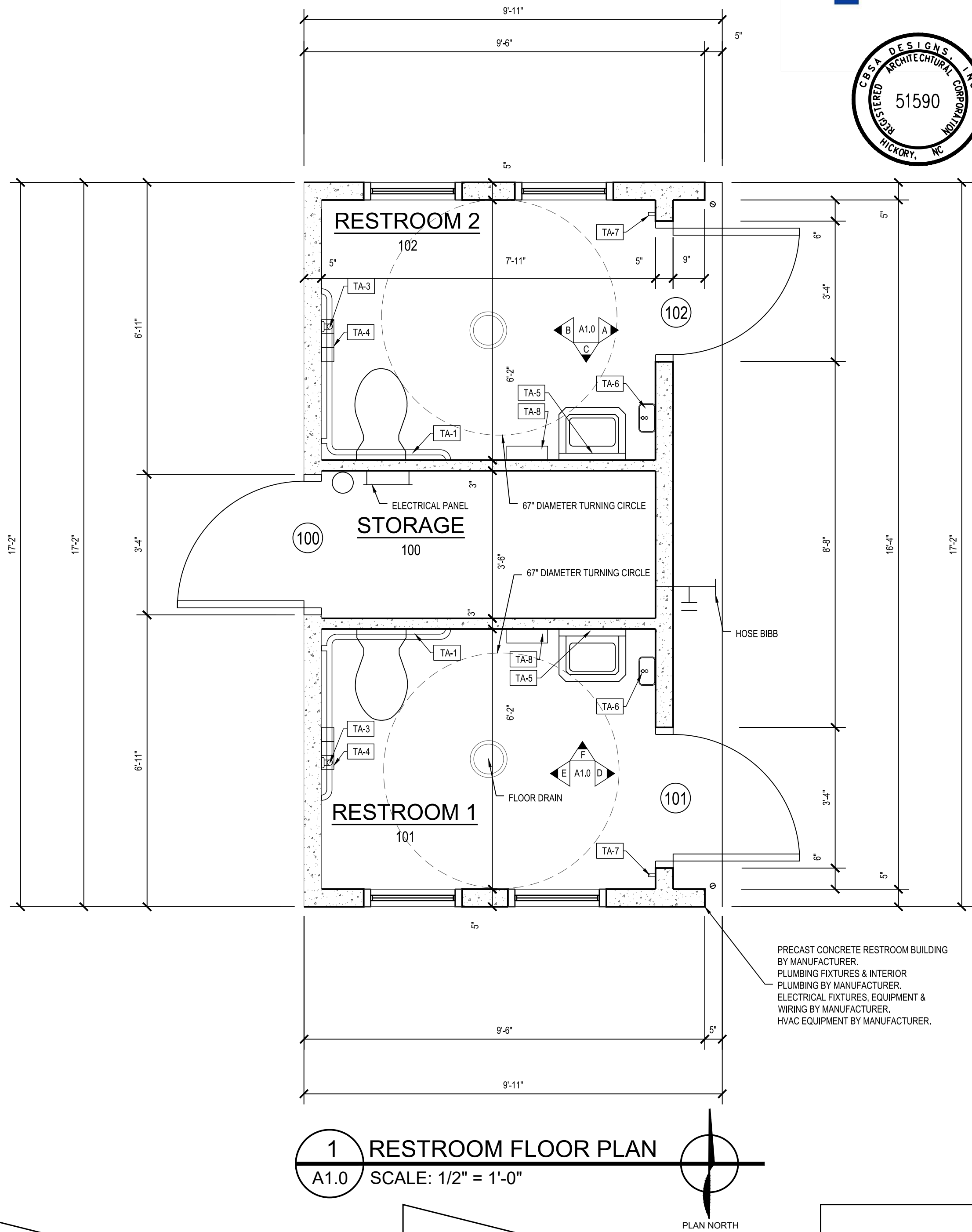
FRAME TYPES
NOT TO SCALE



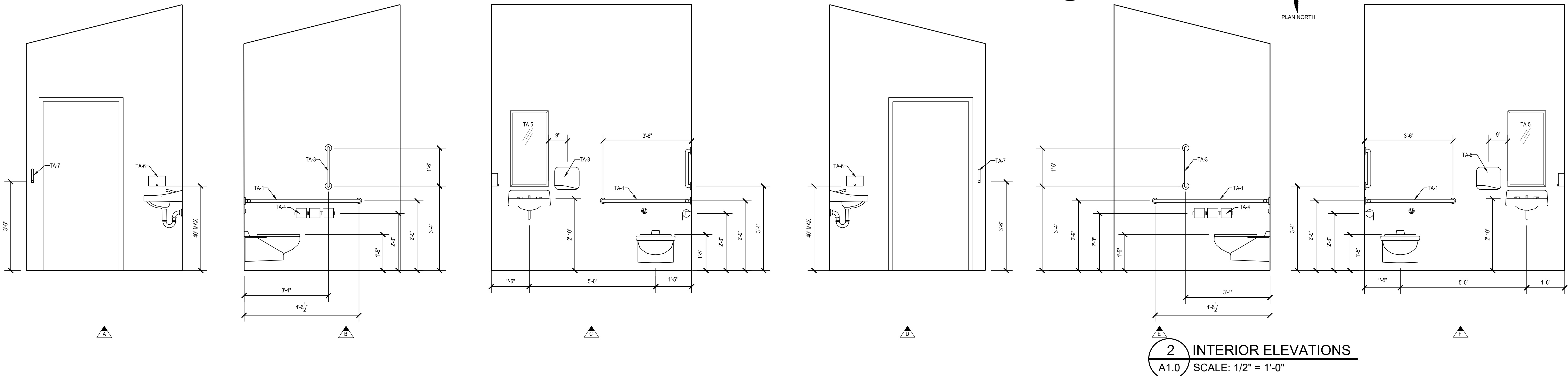
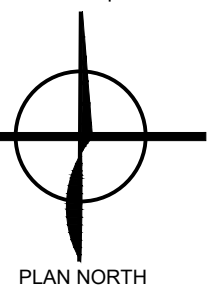
DOOR TYPES
NOT TO SCALE

TOILET ACCESSORY SCHEDULE

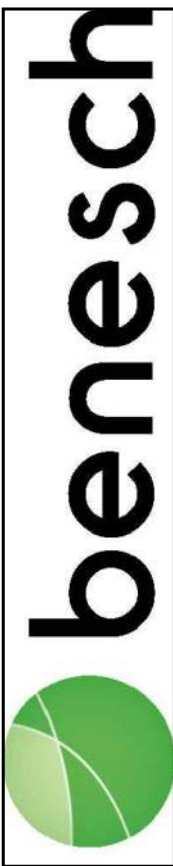
MARK	DESCRIPTION
TA-1	TWO-WALL HORIZONTAL GRAB BAR (42" X 54-1/2")
TA-2	NOT USED
TA-3	VERTICAL GRAB BAR (18")
TA-4	SURFACE MOUNT TOILET PAPER DISPENSER (3-ROLL)
TA-5	MIRROR
TA-6	SURFACE MOUNT SOAP DISPENSER
TA-7	SURFACE MOUNT COAT HOOK
TA-8	SURFACE MOUNT HAND DRYER (ELECTRIC)
NOTES:	
1. TOILET ACCESSORIES ARE TO BE PROVIDED AND INSTALLED BY THE PRECAST CONCRETE RESTROOM MANUFACTURER.	
2. SEE ELEVATIONS FOR TYPICAL MOUNTING HEIGHTS.	



1 RESTROOM FLOOR PLAN
A1.0 SCALE: 1/2" = 1'-0"



2 INTERIOR ELEVATIONS
A1.0 SCALE: 1/2" = 1'-0"



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Miracle of Hickory Park Modifications

1515 12th Street Dr NW
Hickory, North Carolina

Project no: 1726.500007.00

Date: 07.10.26

Revisions:

Sheet Title:

RESTROOM
FLOOR PLAN
SCHEDULES

Sheet No:

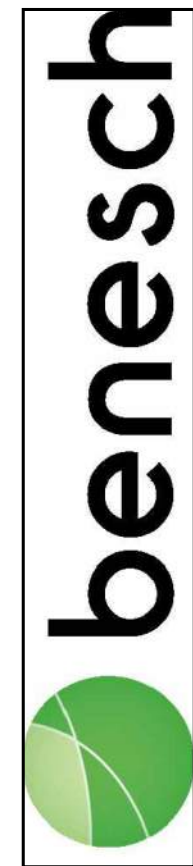
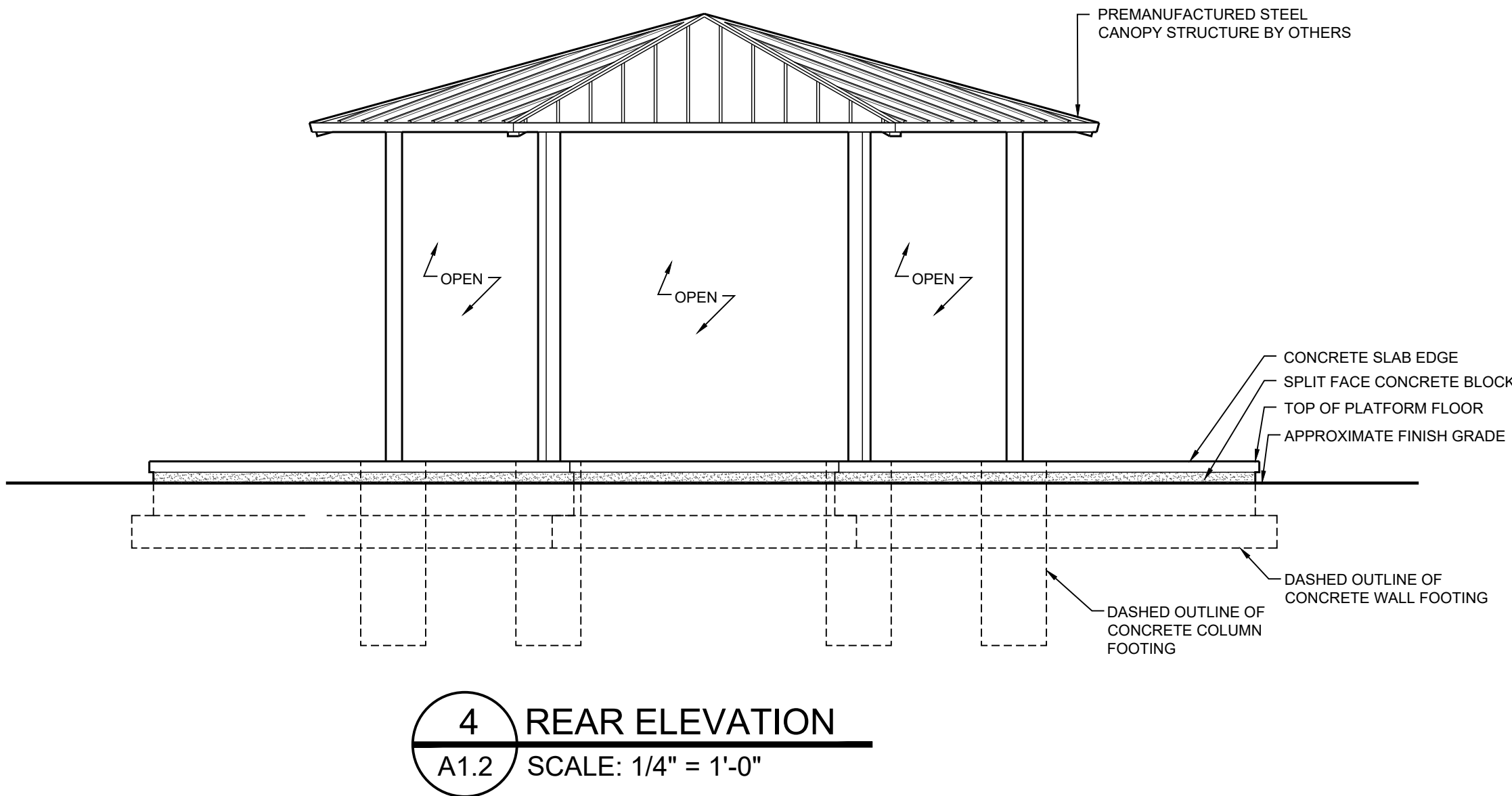
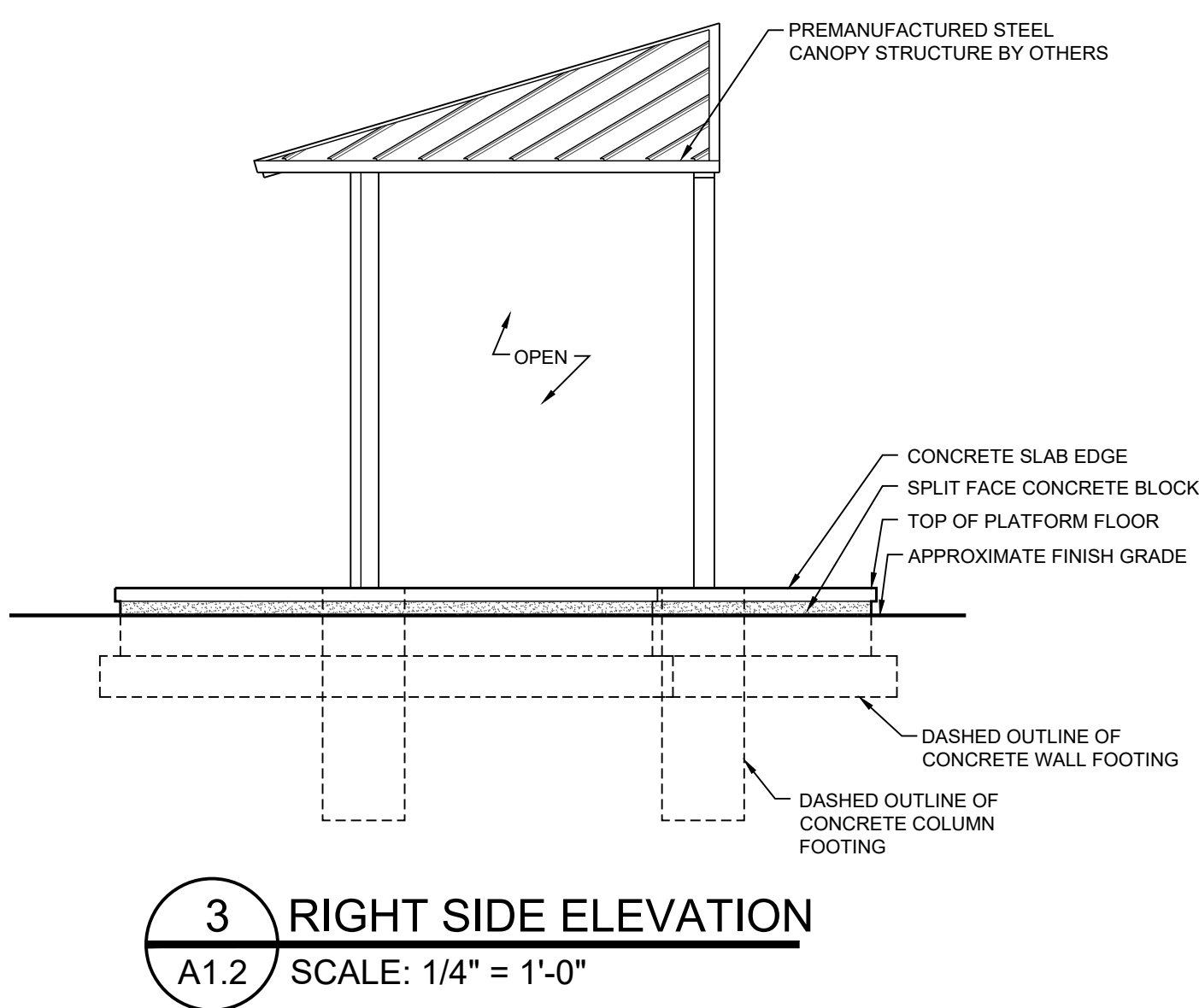
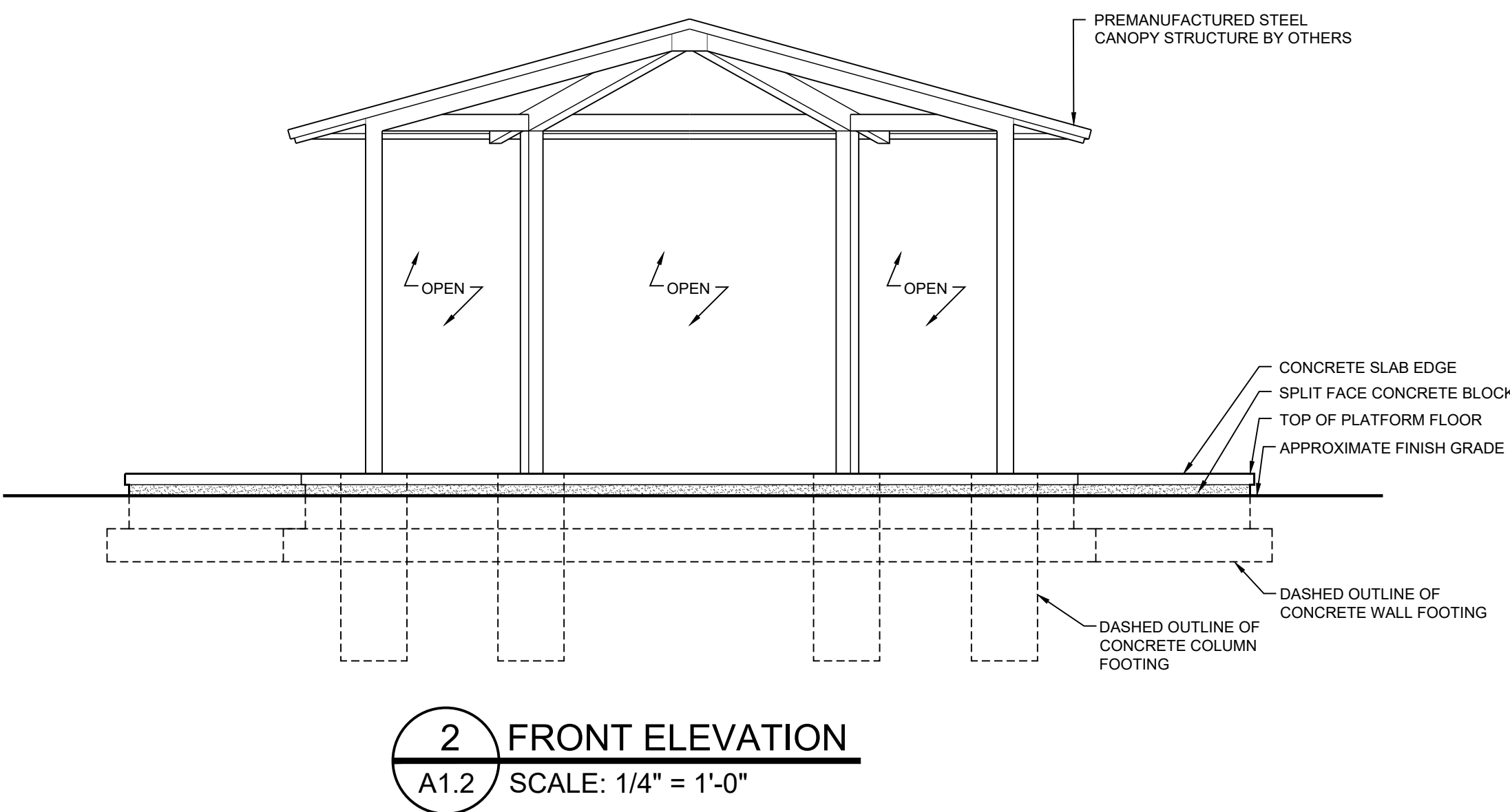
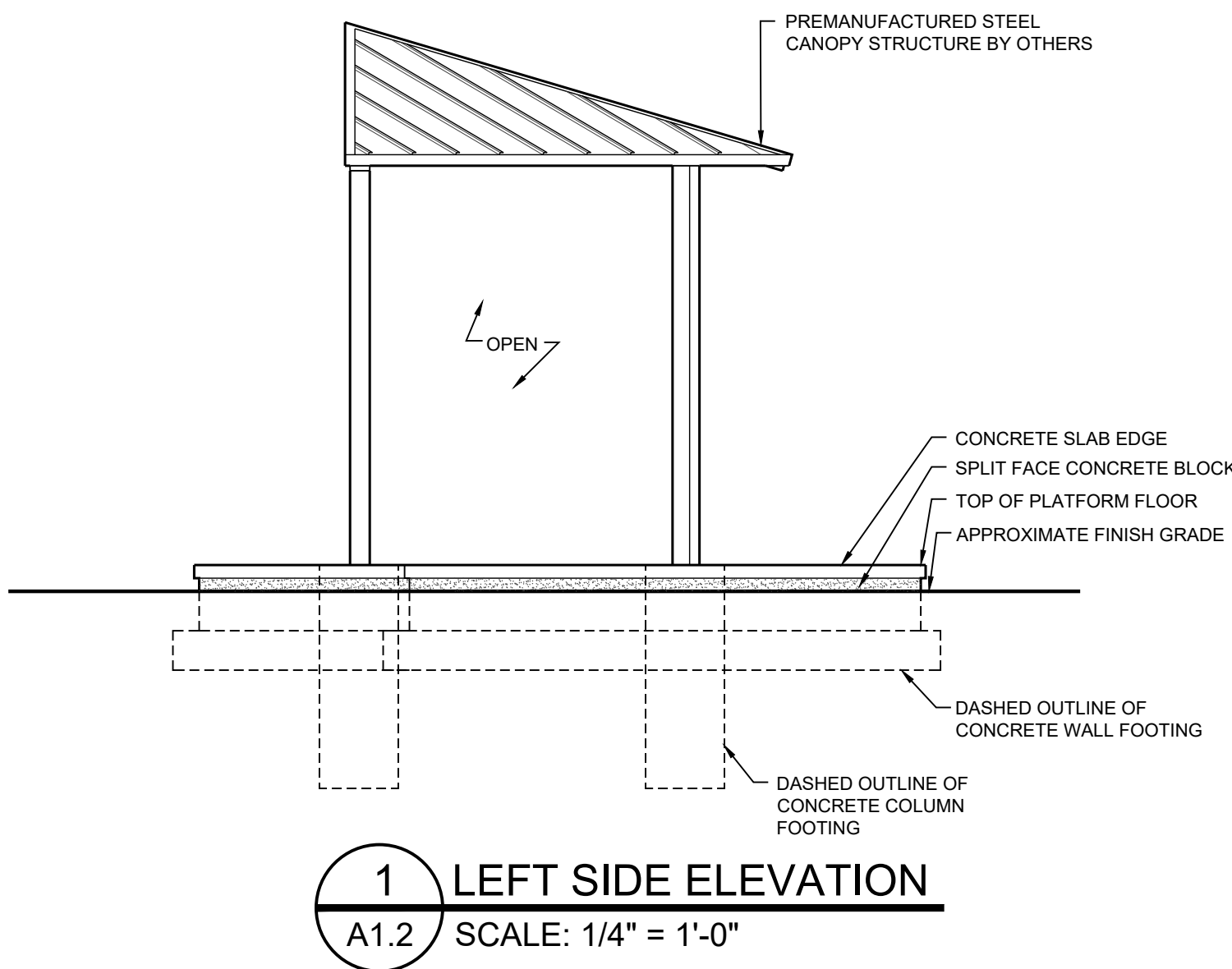
A1.1

	GENERAL NOTES:
①	
②	
③	
④	

INTERIOR WALLS TO BE FINISHED WHITE AND GRAY FLOOR.
EXTERIOR ROCK WAINSCOT TO BE FINISHED NATURAL HONEY AND GREEN ROOF.



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Miracle of Hickory Park Modifications

1515 12th Street Dr NW
Hickory, North Carolina

Project no: 1726.500007.00

Date: 07.10.26

Revisions:

Sheet Title:

STAGE
ELEVATIONS

Sheet No:

A3.0

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CBSA architects

P. O. Box 1239 | Hickory, NC 28603

Tel: 828.322.3403

CBSA PROJECT NO. 2025.003

CSA DESIGN

ARCHITECTURAL

REGISTERED

51590

HICKORY, NC

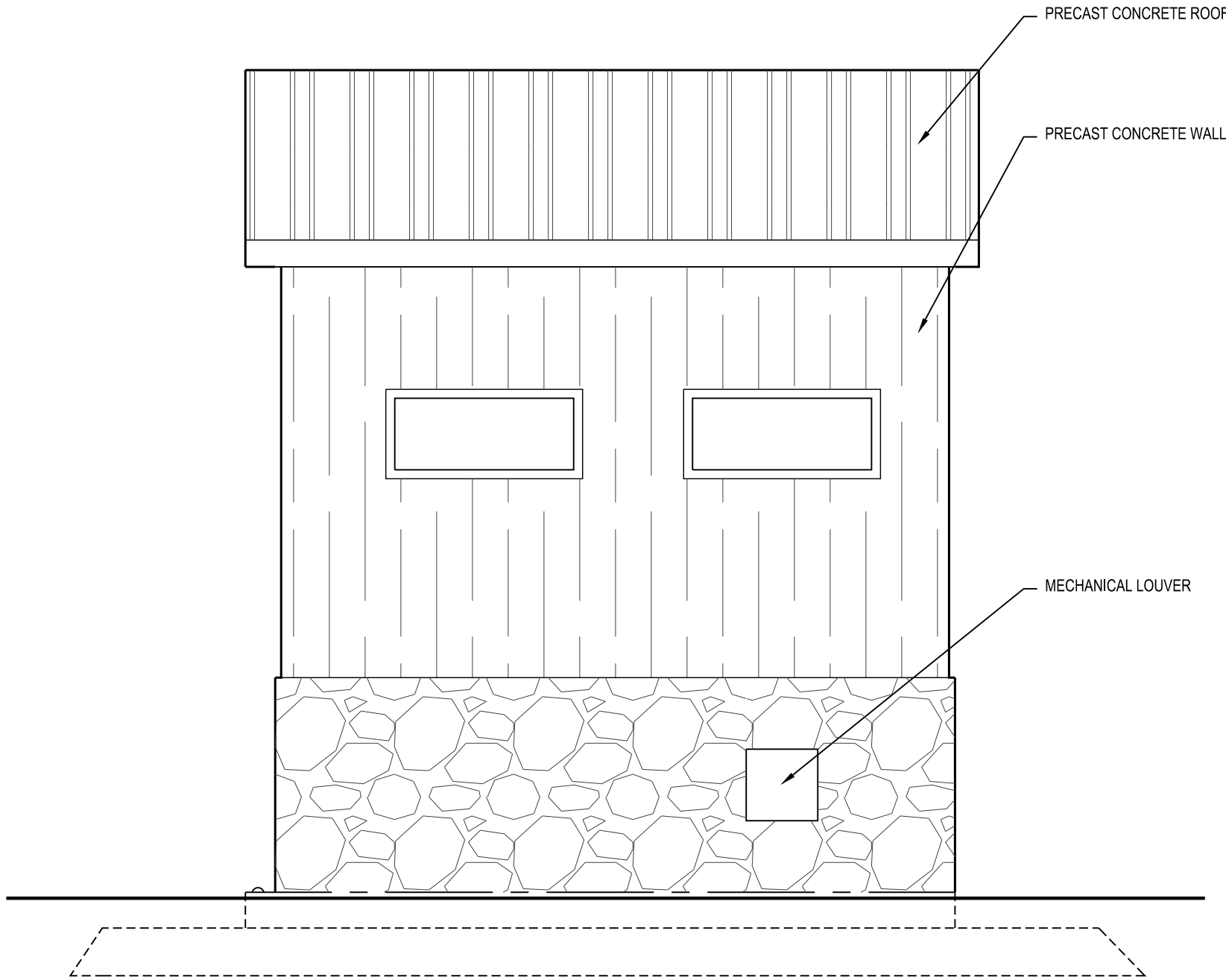
MATTY ALLEN BEAL

REGISTERED ARCHITECT

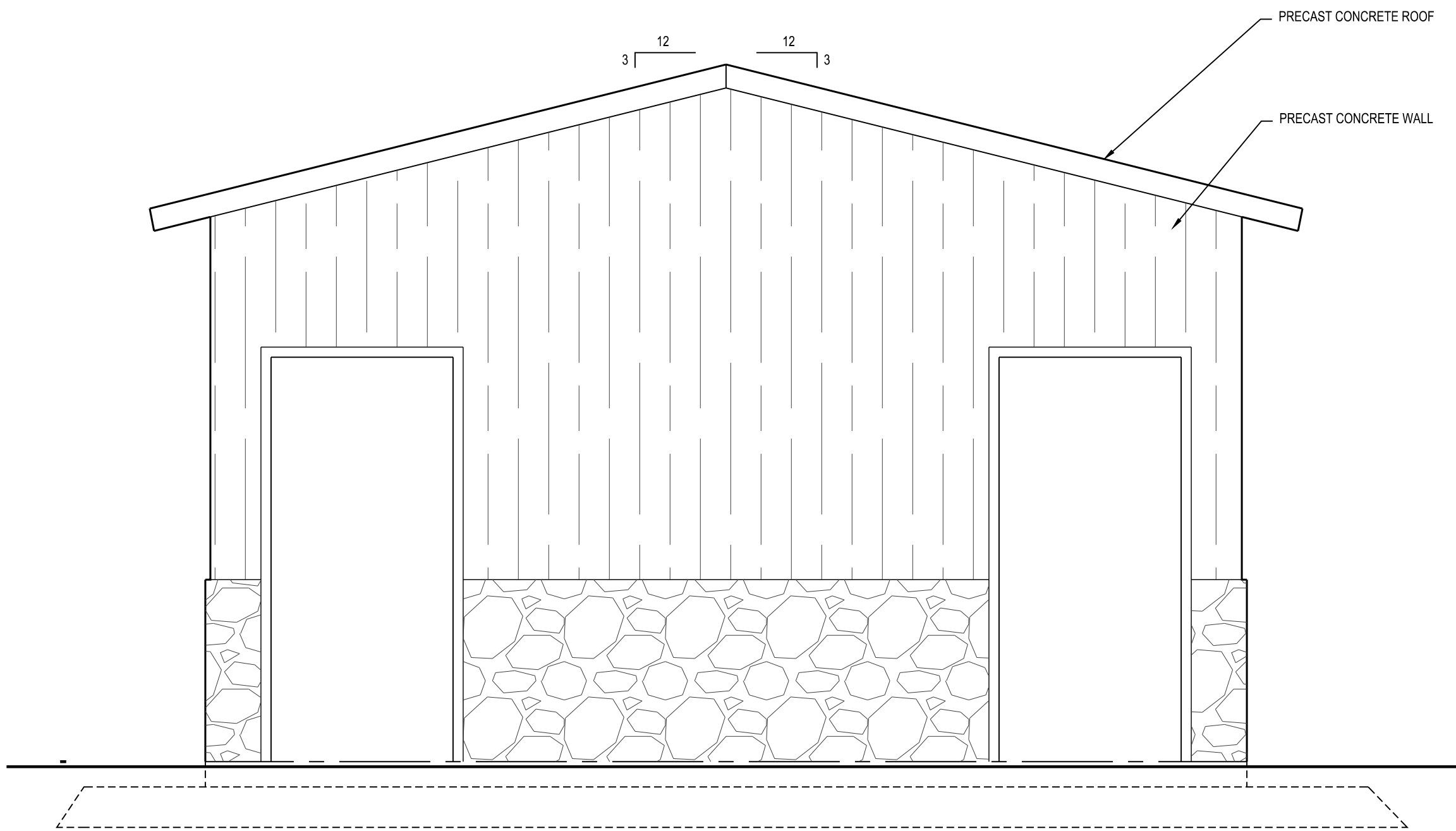
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HICKORY, NC

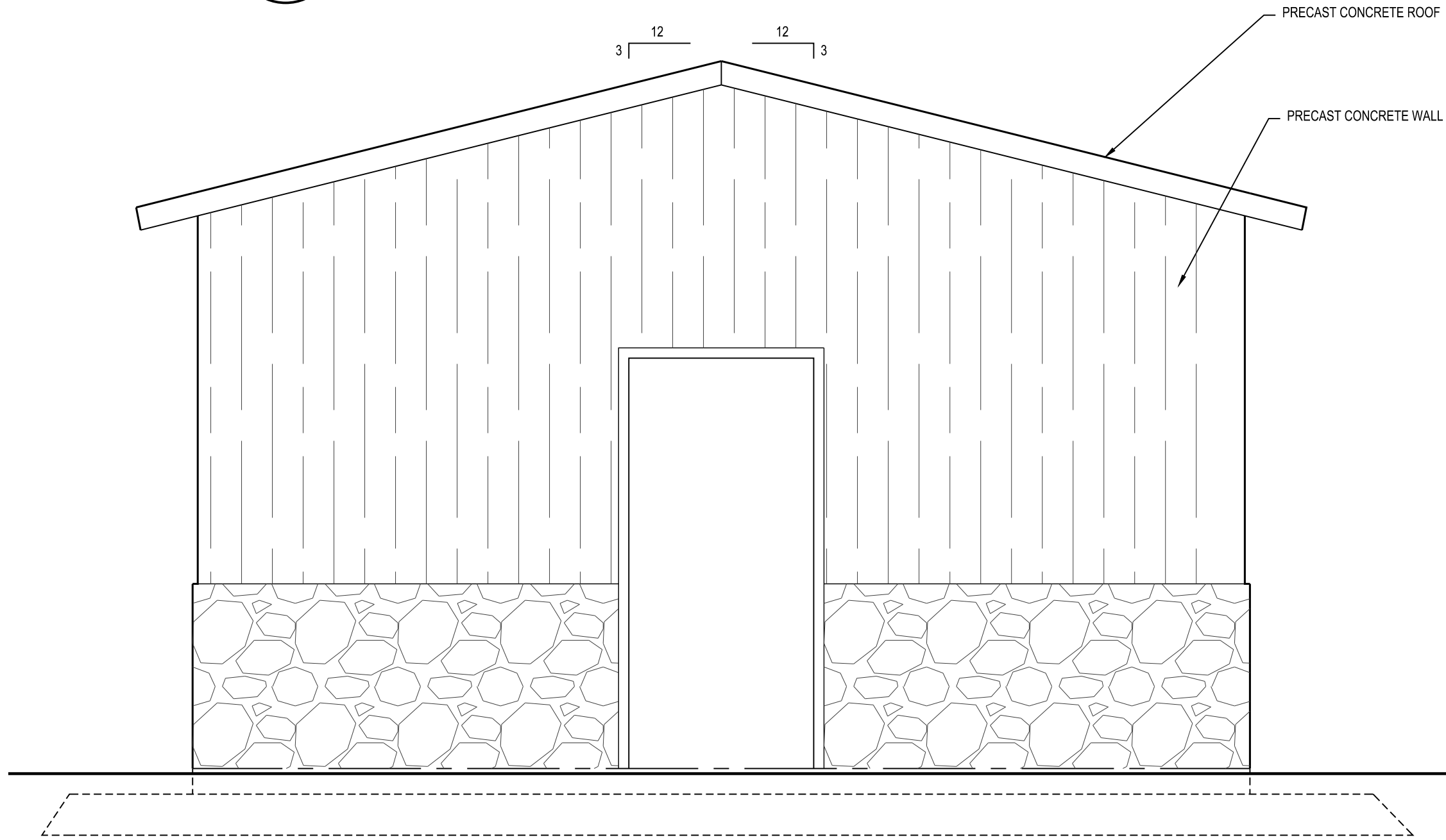
07/10/26



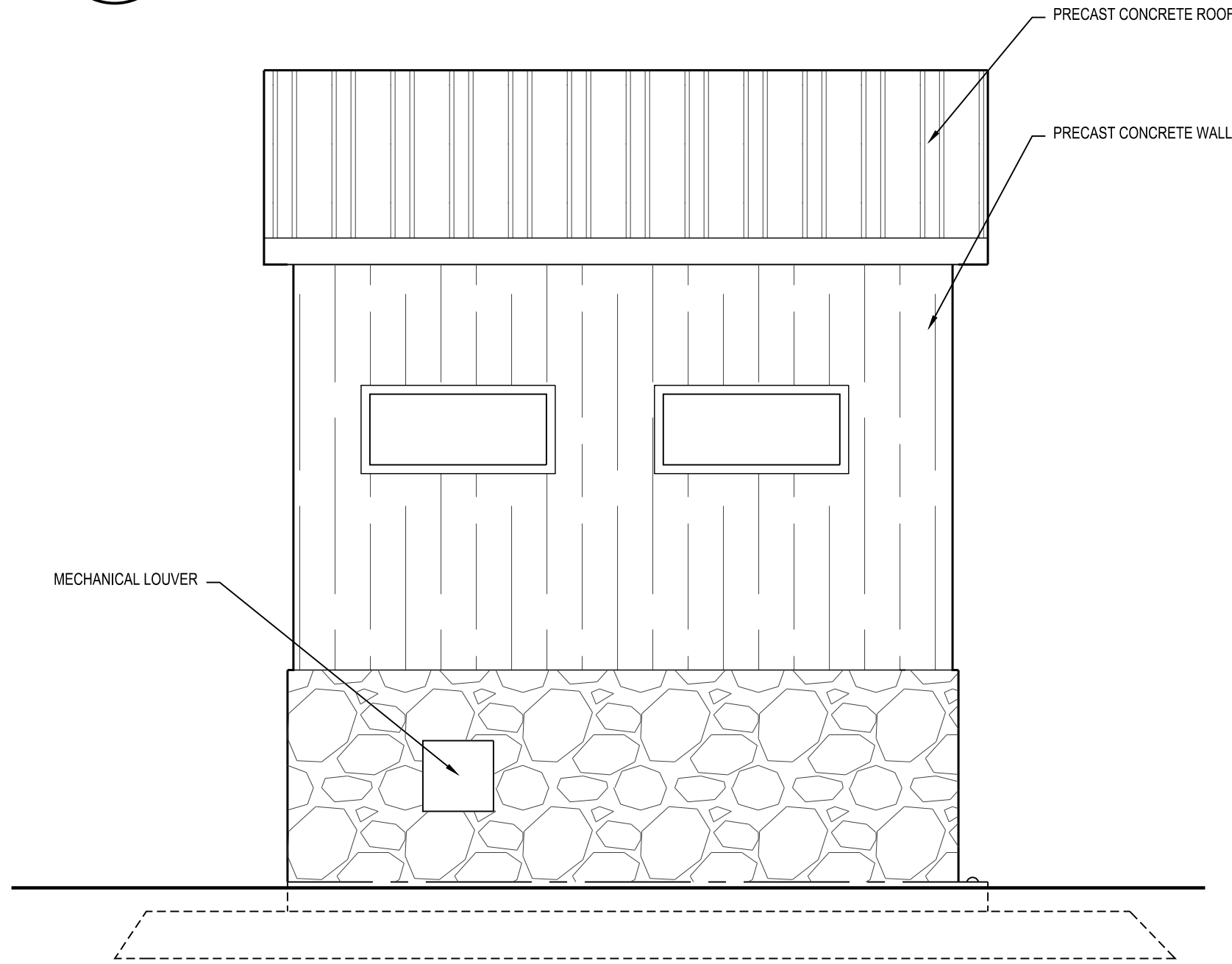
1 LEFT SIDE ELEVATION
A3.0 SCALE: 1/2" = 1'-0"



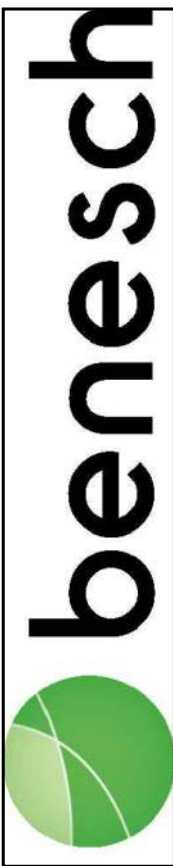
2 FRONT ELEVATION
A3.0 SCALE: 1/2" = 1'-0"



3 REAR ELEVATION
A3.0 SCALE: 1/2" = 1'-0"



4 RIGHT SIDE ELEVATION
A3.0 SCALE: 1/2" = 1'-0"



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Atlanta, GA 30328

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Miracle of Hickory Park Modifications

1515 12th Street Dr NW
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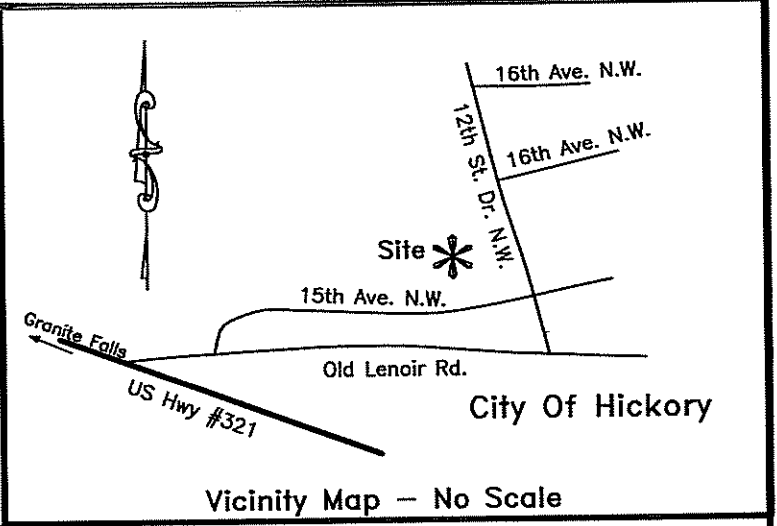
Revisions:

Sheet Title:

RESTROOM
ELEVATIONS

Sheet No:

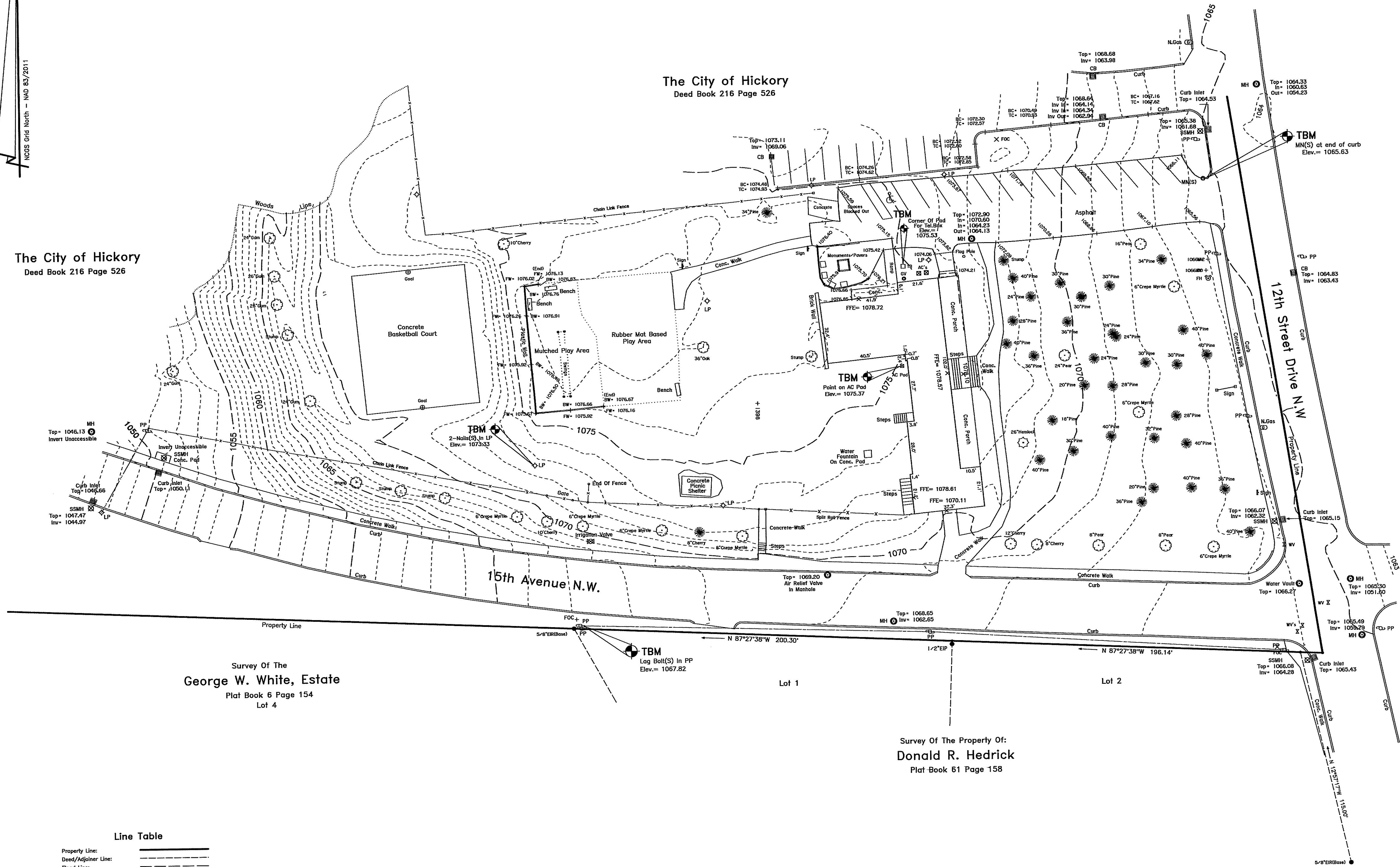
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NCS Grid North - NAD 83/2011

The City of Hickory
Deed Book 216 Page 526

The City of Hickory
Deed Book 216 Page 526



Survey Of The
George W. White, Estate
Plat Book 6 Page 154
Lot 4

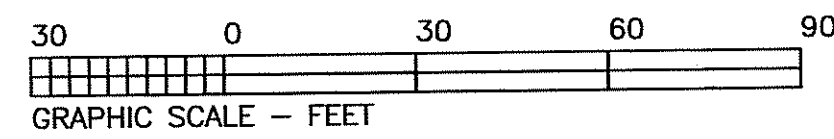
Survey Of The Property Of:
Donald R. Hedrick
Plat Book 61 Page 158

- Utility Legend**
- M.H. Manhole
 - F.H. Fire Hydrant
 - V.P. Vent Pipe
 - G.V. Gas Valve
 - W.M. Water Meter
 - H.H. Hose House
 - P.P. Power Pole
 - L.P. Lamp Pole
 - C.B. Catch Basin
 - W.V. Water Valve
 - T.P. Telephone Pole
 - T.B. Telephone Box
 - C.O. Clean Out
 - S.P. Service Pole
 - E.M. Electrical Meter
 - G.M. Gas Meter
 - M.W. Monitor Well
 - R.C.P. Reinforced Concrete Pipe
 - C.M.P. Corrugated Metal Pipe
 - F.O.C. Fiber Optic Cable
 - C.P.P. Corrugated Plastic Pipe

Line Table

Property Line:	---
Deed/Adjoiner Line:	---
Flood Line:	---
Power Line (Aerial):	---
Power Line (Underground):	---
Telephone (Underground):	---
Natural Gas Line:	---
Water Line:	---
Sewer Line:	---
Right Of Way Line:	---
Centerline:	---
Fiber Optic Line:	---
Fence (Type As Noted):	---

Flood Information
According To FIRM Map Panel H 3710279300K
The Property Shown (Is Not) Located
Within A 100 Year Flood Hazard Boundary.
Effective Date: 7/7/2009



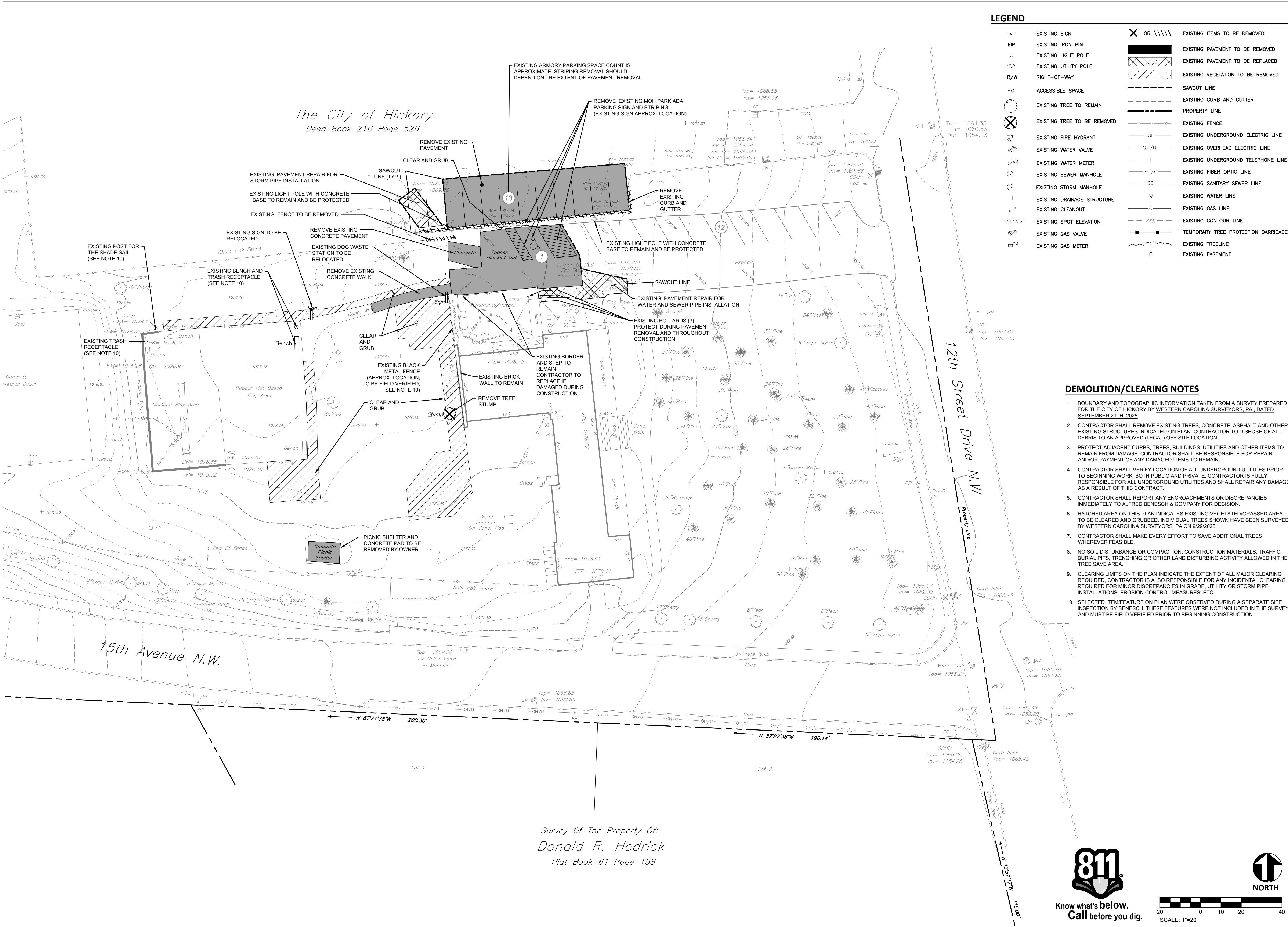
- Legend**
- Existing Iron Pipe
 - New Iron Pipe
 - P.K. Nail
 - Concrete Monument
 - New Iron Rod
 - Existing Iron Rod
 - Point
 - Railroad Spike
 - Feno Monument
 - Temporary Bench Mark
 - MAG Nail
 - Found
 - Set

- EIP
- NIP
- PK
- CM
- NIR
- EIR
- PL
- RRS
- FM
- TBM
- MN
- (F)
- (S)

I, R. Curtis Gaines, PLS., Certify That The
Map Shown Hereon Was Drawn Under My Super-
Vision From An Actual Topographic Survey
Made Under My Supervision; That The Survey
Was Performed To Class A Specifications.
This The 29th Day Of September
20 25
(PLS NO. L- 4588)

Western Carolina Surveyors, P.A. (License No. C-0338) 912 Wilkesboro Blvd. LENOIR, N.C. TELE. (828) 758-5353			
TITLE: Partial Topographic & Location Survey Of The Property: The City Of Hickory			
CLIENT: City Of Hickory	TOWNSHIP Hickory	COUNTY Catawba	STATE NC
DEED REF. BK. 216 PG. 526	TAX MAP NUMBER: 279307780912		LAYERS 21/34/ 38/42/59
APP. BY RCG	DRAWN BY LJC	DATE 9/29/2025	SCALE: 1"= 30' JOB No. 10866-A Fb: Data Coll. 1 of 1

Y:\North Carolina\TX&S\68\1726-500007.DWG_Hickory_Park_Mod\Eng_Docs\Drawings\1726-500007.DWG CD\1726-500007.DWG C100 - DEMOLITION PLAN.dwg



Miracle of Hickory Park Modifications

1515 12th Street Dr NW
Hickory, North Carolina

Project no: 1726.500007.00
Date: 07.17.26
Revisions:

Sheet Title:

EXISTING
CONDITIONS AND
DEMOLITION PLAN

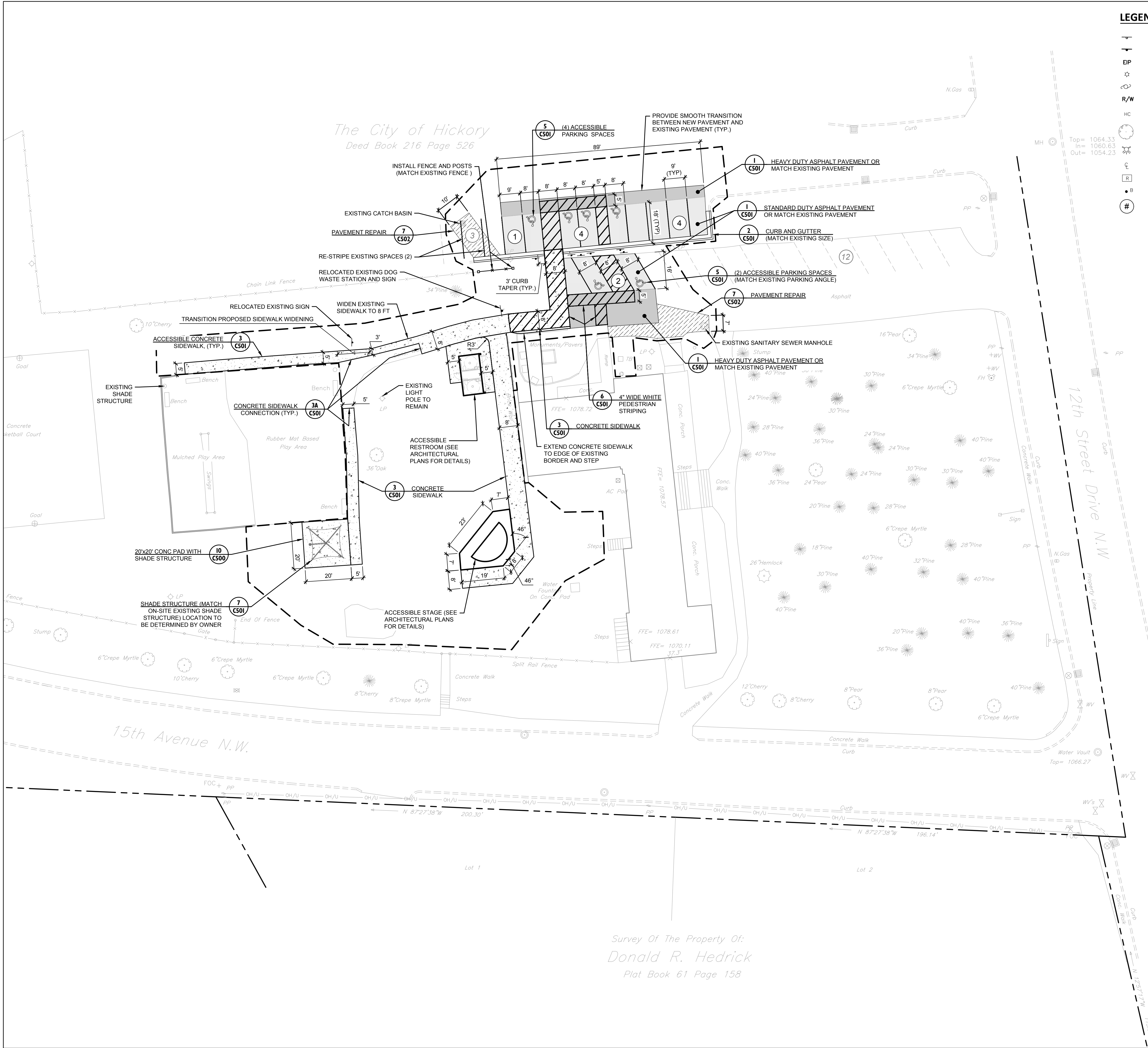
Sheet No:

C100

Seals:
7/23/2026
Corp. NC license: F-1320

benesch
Alfred Benesch & Company
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Y:\North Carolina\TX&S\68\1726-500007.00_Hickory_Park_Mod\Eng_Docs\Drawings\1726-500007.00-CD\1726-500007.00-CD SITE PLAN.dwg



LEGEND

	EXISTING SIGN		EXISTING CURB AND GUTTER
	PROPOSED SIGN		PROPOSED CURB AND GUTTER
	EXISTING IRON PIN		PROPOSED FLUSH CURB AND GUTTER
	EXISTING LIGHT POLE		PROPERTY LINE
	EXISTING UTILITY POLE		EXISTING EASEMENT
	RIGHT-OF-WAY		EXISTING FENCE
	ACCESSIBLE SPACE		PROPOSED FENCE
	EXISTING TREE TO REMAIN		EXISTING OVERHEAD UTILITY LINE
	EXISTING FIRE HYDRANT		EXISTING ASPHALT PAVEMENT
	CENTERLINE		PROPOSED STANDARD DUTY ASPHALT PAVEMENT
	ACCESSIBLE RAMP		PROPOSED HEAVY DUTY ASPHALT PAVEMENT
	PROPOSED BOLLARD		PROPOSED PAVEMENT REPAIR
	# PARKING COUNT		PROPOSED CONCRETE WALK

SITE NOTES

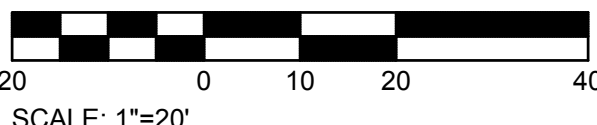
- DIMENSIONS AND COORDINATE POINTS ARE TO FACE OF CURB, EDGE OF PAVEMENT, OR CORNER OF BUILDING UNLESS OTHERWISE NOTED.
- ALL IMPROVEMENTS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE AND LOCAL STANDARDS.
- ANY DISCREPANCIES FOUND IN THE FIELD SHALL BE CALLED TO THE ATTENTION OF THE OWNER OR ENGINEER PRIOR TO PROCEEDING WITH WORK.
- PRIOR TO BEGINNING CONSTRUCTION, UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS (BOTH SITE AND BUILDING RELATED) INCLUDING BUT NOT LIMITED TO REGULATORY FEES, LICENSES, AND INSPECTIONS NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK.
- THE GENERAL CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES, AND RIGHT-OF-WAYS, PUBLIC AND PRIVATE, PRIOR TO WORKING IN THESE AREAS.
- GENERAL CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND THE PUBLIC SHALL BE PROTECTED FROM INJURY.
- USE CAUTION WHEN REPRODUCING COPIES OF THE CONSTRUCTION DRAWINGS. COPIES ARE SUBJECT TO DISTORTION AND INACCURACY IN THE SCALE OF DRAWINGS. VERIFY ANY DISCREPANCIES WITH BENESCH.
- ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION AS AMENDED.
- ALL PAVEMENT MARKINGS SHALL BE FOUR (4) INCHES WIDE UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS AS SHOWN ON THE PLANS.
- CONTRACTOR SHALL SAW-CUT EXISTING ASPHALT PAVEMENT AREAS TO TIE IN SMOOTHLY TO PROPOSED PAVEMENT AS INDICATED ON THE PLANS.
- REFER TO ARCHITECTURAL PLANS FOR ACTUAL BUILDING AND STAGE DIMENSIONS.
- THE ENGINEER WILL PROVIDE THE CONTRACTOR WITH AN ELECTRONIC FILE OF THESE DRAWINGS UPON REQUEST.
- CONTACT THE UTILITY COMPANY TO RELOCATE ANY EXISTING UTILITY POLES. ALL EXISTING FACILITIES WHICH CONFLICT WITH THE IMPROVEMENTS UNDER THE SCOPE OF THIS PROJECT MUST BE RELOCATED AT THE EXPENSE OF THE OWNER.
- STOP BEFORE YOU DIG. CALL 811. IT'S THE LAW.

SITE DATA

PROJECT	MIRACLE OF HICKORY PARK MODIFICATIONS
OWNER	CITY OF HICKORY
ADDRESS	1515 12TH STREET DR NW, HICKORY, NC
TAX ACREAGE	51.64 AC
TAX PARCEL NO.	279307780912
ZONING	PD (PLANNED DEVELOPMENT) R-3
JURISDICTION	CITY OF HICKORY (WATER QUALITY REVIEW); NCDEQ (EROSION CONTROL)
WATERSHED DISTRICT	LAKE HICKORY
FEMA	NOT WITHIN FLOOD ZONE
RIVER BASIN	CATAWBA
SETBACK	20' FRONT & REAR; 5' SIDE
MAXIMUM HEIGHT	40'
EXISTING PARKING:	26 SPACES
MOH PARK	12 REGULAR SPACES + 1 ADA SPACES = 13
ARMORY	13 REGULAR SPACES
PROPOSED PARKING:	26 SPACES
MOH PARK	12 REGULAR SPACES + 2 ADA SPACES = 14
ARMORY	8 REGULAR SPACES + 4 ADA SPACES = 12
UTILITY (WATER & SEWER)	CITY OF HICKORY
INCREASE IN IMPERVIOUS	2,786 SF
EXISTING IMPERVIOUS	418 SF (TO BE REMOVED)
PROPOSED IMPERVIOUS	2,368 SF
DISTURBED AREA	0.6 AC



Know what's below.
Call before you dig.



Seals:

Corp. NC license: F-1320

Miracle of Hickory Park Modifications

1515 12th Street Dr NW
Hickory, North Carolina

Project no: 1726.500007.00
Date: 07.17.26
Revisions:

Sheet Title:

SITE PLAN

Sheet No:

C200

EQUIPMENT AND VEHICLE MAINTENANCE	1. Maintain vehicles and equipment to prevent discharge of fluids. 2. Provide drip pans under any stored equipment. 3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project. 4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible). 5. Remove leaking vehicles and construction equipment from service until the problem has been corrected. 6. Bring used oils, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.
LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE	1. Never bury or burn waste. Place litter and debris in approved waste containers. 2. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacles) on site to store waste from storm drains, storm or wetland. 3. Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available. 4. Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas or sites do not drain directly to a storm drain, stream or wetland. 5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers. 6. Anchor all lightweight items in waste containers during times of high winds. 7. Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow. 8. Dispose waste off-site at an approved disposal facility. 9. On business days, clean up and dispose of waste in designated waste containers.
PAINT AND OTHER LIQUID WASTE	1. Do not dump paint and other liquid waste into storm drains, streams or wetlands. 2. Locate paint and other liquid waste away from storm drains inlets and surface water unless no other alternatives are reasonably available. 3. Contain liquid wastes in a controlled area. 4. Containment must be labeled, sized and placed appropriately for the needs of site. 5. Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER

SECTION A-A

BELOW GRADE WASHOUT STRUCTURE

SECTION B-B

Above Grade Washout Structure

Note:	Factual Location Determined In-Field.
1. The concrete washout structures shall be maintained when the liquid AND/OR solid reaches 75% of the structures capacity.	
2. Concrete washout structure needs to be clearly marked with orange NOTING device.	
NOTE:	Factual Location Determined In-Field.
1. The concrete washout structures shall be maintained WHEN THE LIQUID AND/OR SOLIDS REACHES 75% OF THE STRUCTURE CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.	
2. Concrete washout structure will need to be clearly marked with orange NOTING device.	

CONCRETE WASHOUTS

- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle/still, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot permit still fence.
- Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout must not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Liquid washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that other alternatives are reasonably favorable. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- Liquid washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Install all signs on sight directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- At the completion of the fill pit, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into the stormwater drains, ground water or surface water. If a spill occurs, clear area immediately.
- If you stockpile these materials on-site,

CONSTRUCTION SEQUENCE:

- A. SUBMIT NOTICE OF INTENT (NOI) TO CITY OF HICKORY.
- B. CONTACT EROSION CONTROL INSPECTOR TO INFORM HIM THAT CONSTRUCTION IS READY TO BEGIN.
- C. CONDUCT A PRE CONSTRUCTION ONSITE MEETING WITH THE OWNER, CONTRACTOR, AND EROSION CONTROL INSPECTOR.
- D. CLEARING ONLY AS NECESSARY, INSTALL SILT FENCE, TEMPORARY DIVERSION SWALES, AND EROSION CONTROL DEVICES AS SHOWN ON SHEET C301 FOR THE EROSION CONTROL PHASE. COMPLETE A SELF INSPECTION REPORT FOR THIS PHASE OF CONSTRUCTION (SEE SELF INSPECTION REQUIREMENTS, THIS SHEET).
- E. TEMP. SEED ALL NEW DENUDED AREAS FROM THE INSTALLATION OF ANY NEWLY INSTALLED EROSION CONTROL MEASURES.
- F. CLEAR REMAINING VEGETATION WITHIN PROJECT LIMITS IF NEEDED.
- G. BEGIN BRINGING SITE UP TO GRADE. INSTALL TEMPORARY INLET PROTECTION, EROSION CONTROL DEVICES & TEMPORARY DIVERSION SWALES AS NEEDED AS SITE IS CONSTRUCTED TO FINAL GRADE. INSTALL ADDITIONAL INLET PROTECTION AS NEEDED WHEN SITE IS BEING BROUGHT UP TO GRADE AND STORM DRAINAGE IS INSTALLED.
- H. COMPLETE SELF INSPECTION REPORT ONCE ALL EROSION CONTROL DEVICES AND BMPs HAVE BEEN INSTALLED AND STABILIZED. CHECK FOR DIMENSIONS SPECIFIED IN THE PLANS.
- I. CONSTRUCT ALL HARDSCAPING .
- J. SEE SEEDING SCHEDULE FOR SEED TYPE, DATES, AND RATES.
- K. COMPLETE ALL CONSTRUCTION WITHIN THESE PROJECT LIMITS. STABILIZE DENUDED AREAS IF THEY WILL REMAIN OPEN FOR MORE THAN 7 DAYS.
- L. EROSION CONTROL MEASURES (FENCES, DIVERSION DITCHES) DIRECTLY AFFECTED BY THIS CONTRACT SHALL BE MAINTAINED/REMOVED UNDER THIS CONTRACT. DEVICES SHALL BE MAINTAINED TO MAX. 50% CAPACITY UNTIL AREAS THEY SERVE ARE FULLY STABILIZED.
- M. PROVIDE PERMANENT GRASSING FOR ALL DISTURBED AREAS.
- N. CONTACT CITY OF HICKORY FOR PERMISSION TO REMOVE EROSION CONTROL DEVICES.
- O. REMOVE ALL EROSION CONTROL DEVICES. SPREAD AND SEED ACCUMULATED SEDIMENT .
- P. SUBMIT NOTICE OF TERMINATION (NOT) TO CITY OF HICKORY.
- Q. CONSTRUCT ALL HARDSCAPING NOT INSTALLED WHILE THE EROSION CONTROL DEVICES WERE IN PLACE.
- R. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE N.C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL , U.S. DEPT. OF AGRICULTURE, AND THE SCS EROSION CONTROL ORDNANCE .
- S. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES TO MINIMIZE EROSION. THE CONTRACTOR SHALL MAINTAIN CLOSE CONTACT WITH THE CITY OF HICKORY SO THAT PERIODIC INSPECTIONS CAN BE CONDUCTED AT APPROPRIATE STAGES OF CONSTRUCTION.
- T. ESTIMATED TIME BEFORE FINAL STABILIZATION IS 6 MONTHS.

SELF INSPECTION REQUIREMENTS

1. SELF-INSPECTIONS WILL BE PERFORMED IN ACCORDANCE WITH THE NPDES GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES NCG010000.
2. ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES, INCLUDING SEDIMENTATION CONTROL BASINS, SEDIMENTATION TRAPS, SEDIMENTATION PONDS, ROCK DAMS, TEMPORARY DIVERSIONS, TEMPORARY SLOPE DRAINS, ROCK CHECK DAMS, SEDIMENT FENCE OR BARRIERS, ALL FORMS OF SILT PROTECTION, STORM DRAINAGE FACILITIES, EROSION DISSIPATORS, STABILIZATION METHODS OF OPEN CHANNELS, AND GROUND COVER SHALL BE INSPECTED BY THE GENERAL CONTRACTOR.
3. THE DIMENSIONS OF THE BASINS SHALL BE CHECKED AND COMPARED TO THE DIMENSIONS ON THE APPROVED SEDIMENTATION AND EROSION CONTROL PLAN. NOTIFY BENESCHI IF THE DIMENSIONS OF ANY OF THE EROSION CONTROL MEASURES DEViate FROM THE PLANS.
4. A "SELF-INSPECTION REPORT FORM FOR LAND DISTURBING ACTIVITY" (AS REQUIRED BY NCGS 113A-54.11) IS AVAILABLE ON THE NCDEQ WEBSITE OR PROVIDED WITHIN THE PROJECT MANUAL. ALTERNATIVELY THE OWNER OR DESIGNER MAY REQUEST THAT BENESCHI INSPECTIONS MAY MAKE NOTATIONS ON THE COPY OF THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN THAT IS KEPT ON THE PROJECT SITE. DOCUMENTATION SHALL BE ACCOMPLISHED BY INITIATING AND DATING EACH MEASURE OR PRACTICE SHOWN ON A COPY OF THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN OR BY COMPLETING, DATING AND SIGNING AN INSPECTION REPORT THAT LISTS EACH MEASURE, PRACTICE OR DEVICE SHOWN ON THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN. ALL DOCUMENTATION AND/or REPAIR/REPAIR INSPECTIONS MUST BE MADE AVAILABLE ON THE SITE.
5. THE SELF-INSPECTION REPORT IS TO BE COMPLETED AFTER EACH PHASE OF THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS COMPLETE. THESE PHASES APPLY FOR THIS PROJECT:
 - 5.1. INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROL MEASURES;
 - 5.2. CLEARING AND GRUBBING OF EXISTING GROUND COVER;
 - 5.3. COMPLETION OF ANY PHASE OF GRADING OF SLOPES OR FILLS;
 - 5.4. INSTALLATION OF STORM DRAINAGE FACILITIES;
 - 5.5. COMPLETION OF CONSTRUCTION OR DEVELOPMENT;
 - 5.6. ESTABLISHMENT OF PERMANENT GROUND COVER SUFFICIENT TO RESTRAIN EROSION.

EROSION CONTROL NOTES:

1. SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:
 - 1A. ALL PERIMETER DIKES, SWALES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
 - 1B. ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
 - 1C. CONDITIONS - IN MEETING THE STABILIZATION REQUIREMENTS ABOVE, THE FOLLOWING CONDITIONS OR EXCEPTIONS SHALL APPLY:
 - 1D. EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE.
 - 1E. ALL SLOPES 50' IN LENGTH OR GREATER SHALL APPLY THE GROUND COVER WITHIN 7 DAYS EXCEPT WHEN THE SLOPE IS FLATTER THAN 4:1. SLOPES LESS THAN 50' SHALL APPLY GROUND COVER WITHIN 14 DAYS EXCEPT WHEN SLOPES ARE STEEPER THAN 3:1. THE 7 DAY REQUIREMENT APPLIES.
 - 1F. ANY SLOPED AREA FLATTER THAN 4:1 SHALL BE EXEMPT FROM THE 7 DAY GROUND COVER REQUIREMENT.
 - 1G. SLOPES 10' OR LESS IN LENGTH SHALL BE EXEMPT FROM THE 7 DAY GROUND COVER REQUIREMENT EXCEPT WHEN THE SLOPE IS STEEPER THAN 2:1.
 - 1H. ALTHOUGH STABILIZATION IS USUALLY SPECIFIED AS GROUND COVER, OTHER METHODS, SUCH AS CHEMICAL STABILIZATION, MAY BE ALLOWED ON A CASE-BY-CASE BASIS.
2. FOR PORTIONS OF PROJECTS WITHIN THE SEDIMENT CONTROL COMMISSION-DEFINED HIGH QUALITY WATER ZONE (15A NSCAC 04A. 0105), STABILIZATION WITH GROUND COVER SHALL BE ACHIEVED AS SOON AS PRACTICABLE BUT IN ANY EVENT ON ALL AREAS OF THE SITE WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACT.
3. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF NCDCEP STAFF. ANY LAND-DISTURBING ACTIVITY >1 ACRE REQUIRES COMPLIANCE WITH ALL CONDITIONS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (PERMIT NO.NC6010000), ANY PERMIT NONCOMPLIANCE IS A VIOLATION OF THE CLEAN WATER ACT AND MAY REQUIRE ENFORCEMENT ACTION BY NCDCEP.
4. DISTURBED AREAS DRAINING GREATER THAN ONE ACRE MUST HAVE AN EROSION CONTROL MEASURE THAT DRAINS FROM THE WATER SURFACE ELEVATION.
5. REQUIRED ARMY CORPS 404 PERMIT AND WATER QUALITY 401 CERTIFICATION MUST BE OBTAINED FOR STREAM DISTURBANCES OVER 150 LINEAR FEET.
6. ANY BORROW OR WASTE MATERIAL SHALL BE TAKEN/PLACED ON A SITE THAT HAS AN ACTIVE APPROVED GRADING PERMIT. IF THIS IS NOT OBTAINABLE, THEN CONTRACTOR MAY SUBMIT PLAN FOR APPROVAL TO NCDCEP PRIOR TO ANY OFF-SITE BORROW/WASTE AREAS BEING DENUDED AND ANY GRADING OPERATIONS STARTING ON THIS SITE.

benesch

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Seals ☐ Signed by: Morgan Woolner

237651184 OF CASE

NOI PROFESSIONAL SEAL
053444
ENGINEER
MORGAN R. WOOLNER
04/25/2026

Corp. NC license: F-1320

GROUND COVER & MATERIALS HANDLING

Effective:
April 1, 2024

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING		
SECTION A - SELF-INSPECTION		
Self-inspections are required during normal business hours in accordance with the table below. When adverse weather conditions prevent the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal or greater magnitude than 1.0 inch occurs outside of normal business hours, the inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.		
Inspection Location	Frequency (during normal business hours)	Inspection records must include:
Rain gauge maintained in working order	Daily	Daily rainfall amounts. If no daily rain gauges or observations are made during weekend or holiday periods, rain individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (this will determine if a site inspection is needed). Days on which no precipitation was recorded shall be recorded as "Zero." The permittee may use other rain-monitoring device approved by the Division.
E&S Measures	At least once per calendar days and within 24 hours of a rain event ± 1.0 inch in 24 hours.	1. Identification of the measures inspected 2. Date and Time of inspection 3. Name of the person performing the inspection 4. Name of the employee who the measures were operating properly 5. Description of maintenance needs for the measures 6. Detection, Evidence, and date of corrective actions taken
Stormwater discharge outlets(SDOs)	At least once per calendar days and within 24 hours of a rain event ± 1.0 inch in 24 hours.	1. Identification of the discharge outfalls inspected 2. Date and Time of the inspection 3. Name of the person performing the inspection 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration 5. Indication of visible sediment or debris disturbing water flow 6. Description, Evidence, and date corrective actions taken
Perimeter of Site	At least once per calendar days and within 24 hours of a rain event ± 1.0 inch in 24 hours.	If visible Sedimentation is found outside site limits, then record evidence of sedimentation: 1) Actions taken to clean up or stabilize sediment that has left the site limits 2) Description, Evidence and date of corrective actions taken 3) An explanation as to the actions taken to control future releases
Streams or Wetlands (if onsite or where accessible)	At least once per calendar days and within 24 hours of a rain event ± 1.0 inch in 24 hours.	If the stream or wetland has increased visible sedimentation or other visible erosion or disturbance from construction activity, then a record of the following shall be made: 1) Description, Evidence, and date of corrective actions taken 2) Reports of or reports to the appropriate division 3) Permit fee Paid (attach Item 2)(a) of this permit
(Gravel) Ground stabilization measures	After each phase of grading.	1. The phase of grading (installation of perimeter E&S measures, clearing and grubbing, installation of storm drainage facilities, construction of disturbing facility, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been installed and the required timeframe or assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING	
SECTION B. RECORDKEEPING	
1. E&S Plan Documentation	
The approved E&S plan as well as any recorded deviation shall be kept on the site. The approved E&S plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&S plan shall be kept on site and available for inspection at all times during normal business hours.	
Item to Document	Document Requirements
(a) Each E&S measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&S plan.	Initial and date each E&S measure on a copy of the approved E&S plan or complete, date and sign an inspection report that lists each E&S measure shown on the approved E&S plan. This documentation is required upon the initial installation of the E&S measures or if the E&S measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&S plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&S plan.	Initial and date a copy of the approved E&S plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&S measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&S measures.	Initial and date a copy of the approved E&S plan or complete, date and sign an inspection report to indicate the completion of the corrective action.
2. Additional Documentation to be Kept on Site	
In addition to the E&S plan documents above, site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:	
(a) This General Permit as well as the Certificate of Coverage, after it is received.	
(b) Records of inspections made during the previous twelve months. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if the permittee can provide equal access to the records as the hard-copy records.	
3. Documentation to be Retained for Three Years*	
*All data used to complete the e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 FRC 122.41]	

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING	
SECTION C: REPORTING	
1. Occurrences that Must Be Reported	
Permittees shall report the following occurrences:	
(a)	Visible sediment deposition in a stream or wetland.
(b)	Oil spills if: - They are 25 gallons or more. - They are less than 25 gallons but cannot be cleaned up within 24 hours. - They cause sheen on surface waters (regardless of volume), or - They are within 100 feet of surface waters (regardless of volume).
(c)	Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref. 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref. 40 CFR 302.4) or G.S. 142-215.85.
(d)	Anticipated bypasses and unanticipated bypasses.
(e)	Noncompliance with the conditions of this permit that may endanger health or the environment.
2. Reporting Timesframes and Other Requirements	
After a permittee becomes aware of an occurrence that must be reported, he/she contact the appropriate Division regional office within the timesframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800) 858-0368.	
Occurrence	Reporting Timeframe (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	- Within 24 hours, an oral or electronic notification. - Within 7 Calendar Days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division may waive the requirement for a written report on a case-by-case basis. - If the stream is named on the NC 302(d) list as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or conduct more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.
(b) Oil spills and releases of hazardous substances per item 1(b)-(c) above	Within 24 Hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Anticipated bypasses 140 CFR 122.41(m)(3)	A report at least ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses 140 CFR 122.41(m)(3)	- Within 24 Hours, an oral or electronic notification - Within 7 Calendar days, a report that includes an evaluation of the quality and effect of the bypass. - Within 24 Hours, an oral or electronic notification
(e) Noncompliance with the conditions of this permit that may endanger health or the environment 40 CFR 122.41(i)(7)	- Within 7 calendar days, a report that contains a description of the noncompliance, and its causes, the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate and prevent recurrence of the noncompliance. 140 CFR 122.41(i)(6). - Division staff may waive the requirement for a written report on a case-by-case basis.

PART II, SECTION G, ITEM (4)
DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

The following conditions shall apply to the drawdown of sediment basins for maintenance or close out:

- (a) Drawdowns shall be performed in a manner that does not cause erosion or sedimentation of the basin floor or walls. The drawdown shall be completed within a reasonable time frame, and the basin shall be returned to its original condition.
- (b) The drawdown shall be performed in a manner that does not cause damage to the basin structure or the surrounding environment.
- (c) The drawdown shall be performed in a manner that does not cause the release of pollutants or other harmful substances.
- (d) The drawdown shall be performed in a manner that does not cause the release of sediment or other debris.
- (e) The drawdown shall be performed in a manner that does not cause the release of oil or other hazardous materials.
- (f) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (g) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (h) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (i) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (j) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (k) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (l) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (m) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (n) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (o) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (p) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (q) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (r) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (s) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (t) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (u) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (v) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (w) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (x) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (y) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.
- (z) The drawdown shall be performed in a manner that does not cause the release of any other substances that may be harmful to the environment.

INSPECTION, RECORD KEEPING AND REPORTING

Effective:
April 1, 2024

MAINTENANCE PLAN:

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGN.
2. SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT BECOMES ABOUT 0.5 FEET DEEP AT THE FENCE.
3. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. THE ENGINEER MAY DIRECT THAT ADDITIONAL SILT FENCING OR EROSION CONTROL MATTING BE INSTALLED AT ANY TIME PRIOR TO FINAL ACCEPTANCE.
4. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS INCLUDED IN THESE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER IN WRITING.
5. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED ONCE THE ENTIRE SITE IS STABILIZED.
6. CONTACT PERSON RESPONSIBLE FOR EROSION CONTROL MAINTENANCE:

Miracle of Hickory Park Modifications

1515 12th Street Dr NW
Hickory, North Carolina

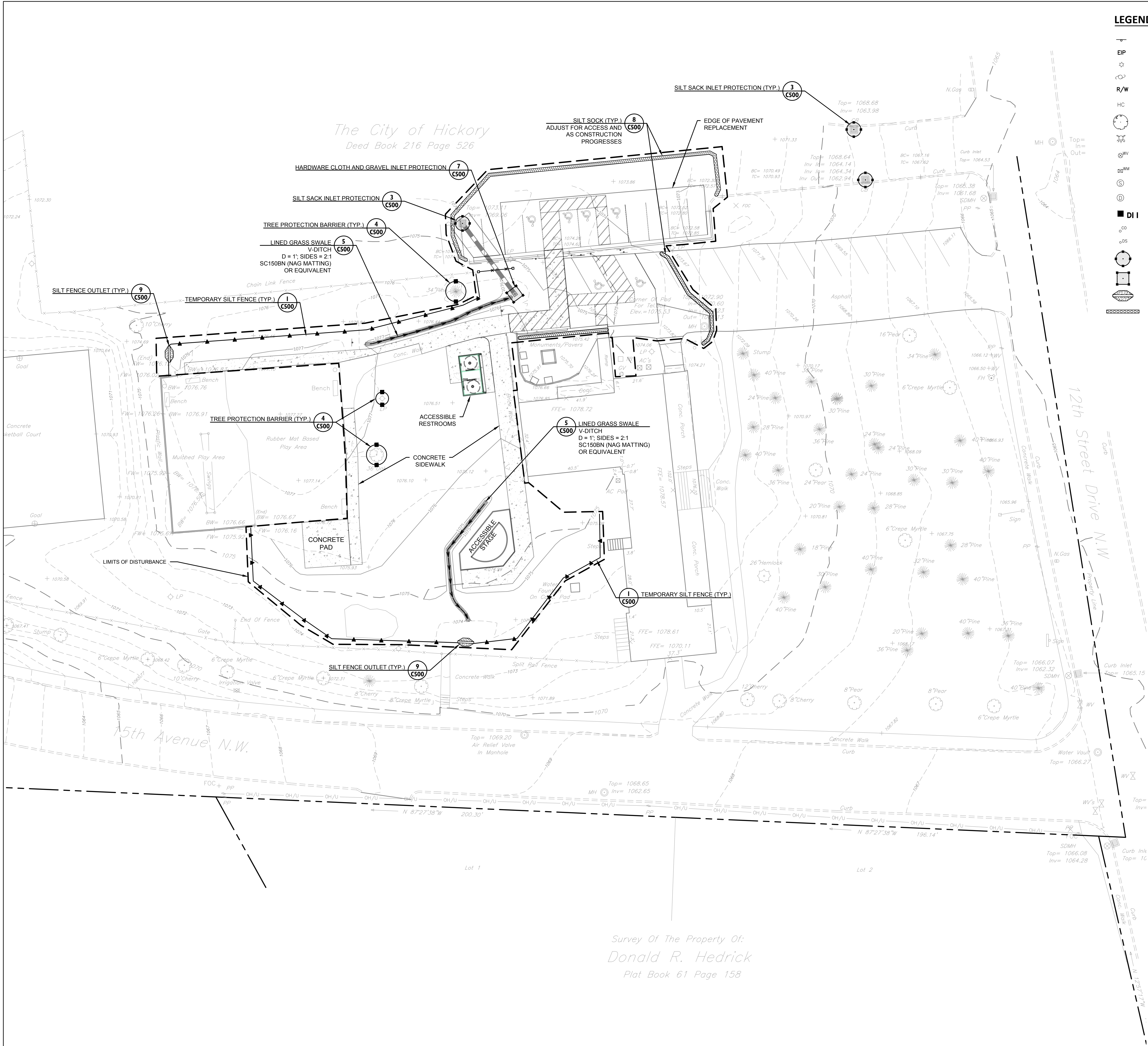
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Date: 07.17.26
Revisions:

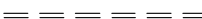
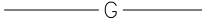
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EROSION AND SEDIMENT CONTROL NOTES

Sheet No:

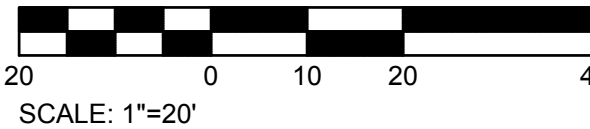
C300



	EXISTING SIGN		EXISTING CURB AND GUTTER
	EXISTING IRON PIN		PROPOSED CURB AND GUTTER
	EXISTING LIGHT POLE		PROPERTY LINE
	EXISTING UTILITY POLE		EXISTING FENCE
R/W	RIGHT-OF-WAY		EXISTING UNDERGROUND ELECTRIC LINE
	ACCESSIBLE SPACE		EXISTING OVERHEAD UTILITY LINE
	EXISTING TREE TO REMAIN		EXISTING UNDERGROUND TELEPHONE LINE
	EXISTING FIRE HYDRANT		EXISTING FIBER OPTIC LINE
	EXISTING WATER VALVE		EXISTING SANITARY SEWER LINE
	EXISTING WATER METER		EXISTING WATER LINE
	EXISTING SEWER MANHOLE		EXISTING GAS LINE
	EXISTING STORM MANHOLE		EXISTING CONTOUR LINE
	PROPOSED DRAINAGE STRUCTURE		PROPOSED CONTOUR LINE
	EXISTING CLEANOUT		TEMPORARY TREE PROTECTION BARRICADE
	EXISTING DOWNSPOUT		EXISTING STORM DRAINAGE PIPE
	TEMPORARY SILT SACK		PROPOSED STORM DRAINAGE PIPE
	TEMPORARY INLET PROTECTION		EXISTING TREE LINE
	TEMPORARY ROCK CHECK DAM		EXISTING GAS VALVE
	TEMPORARY SILT SOCK		EXISTING GAS METER
			TEMPORARY SILT FENCE
			STONE OPENING IN TEMPORARY SILT FENCE
			TEMPORARY TREE PROTECTION BARRICADE
			LIMITS OF GRADING/CONSTRUCTION
			LINED GRASS SWALE
			GRASS SWALE



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Atlanta, Georgia 30328
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P 704.521.9880



Seals — Signed by: *Morgan Woolner*

2025-2026

NOT FOR PROFESSIONAL USE

SEAL
053444

ENGINEER

MORGAN R. WOOLNER

05252026

Corp. NC license: F31320

Miracle of Hickory Park Modifications

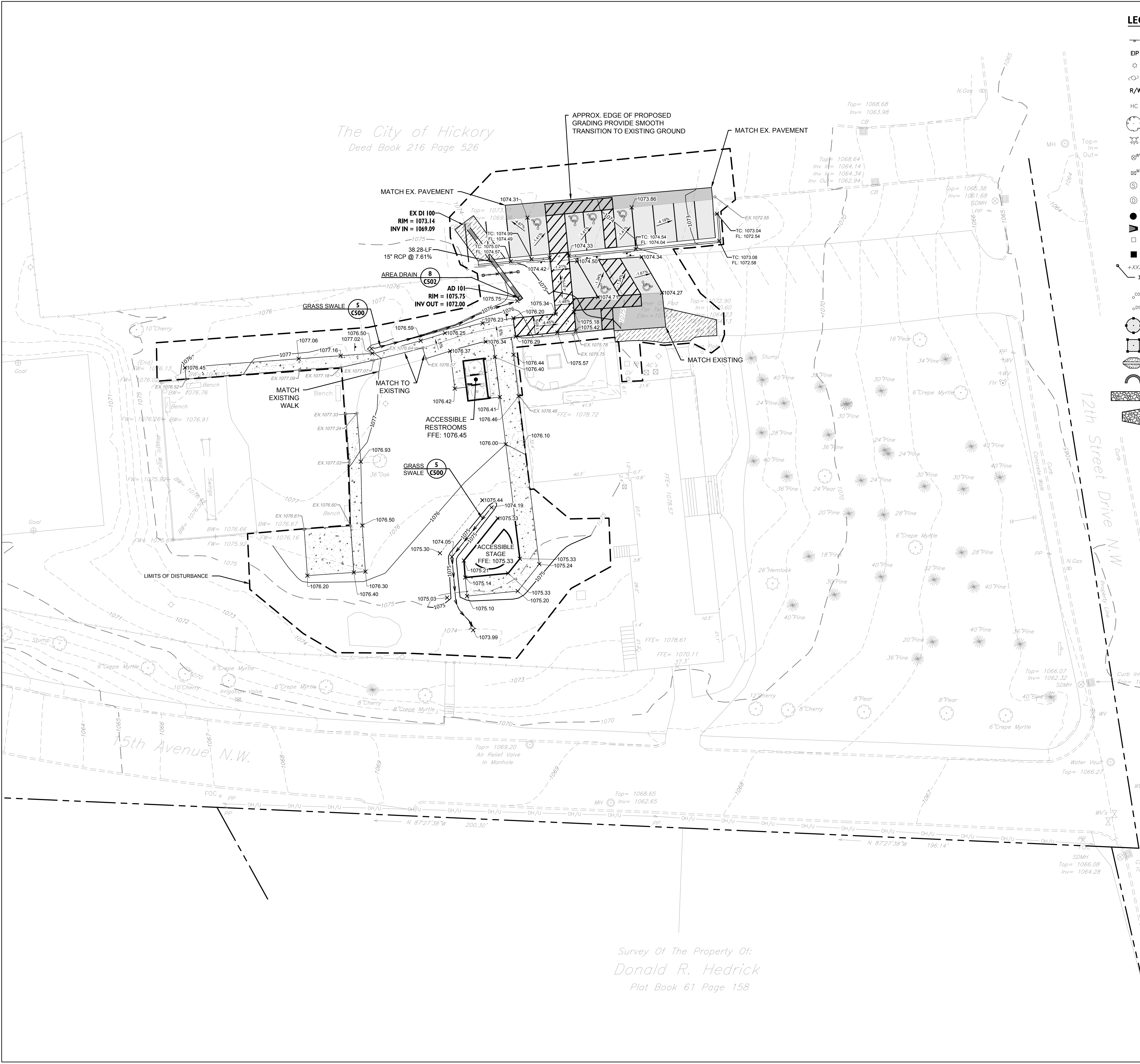
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Date: 07.17.26
Revisions:

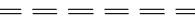
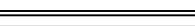
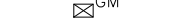
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**EROSION AND
SEDIMENT CONTROL
PLAN**

Sheet No:

C301



LEGEND			
	EXISTING SIGN		EXISTING CURB AND GUTTER
	EXISTING IRON PIN		PROPOSED CURB AND GUTTER
	EXISTING LIGHT POLE		PROPERTY LINE
	EXISTING UTILITY POLE		EXISTING FENCE
	RIGHT-OF-WAY		EXISTING UNDERGROUND ELECTRIC LINE
	ACCESSIBLE SPACE		EXISTING OVERHEAD UTILITY LINE
	EXISTING TREE TO REMAIN		EXISTING UNDERGROUND TELEPHONE LINE
	EXISTING FIRE HYDRANT		EXISTING FIBER OPTIC LINE
	EXISTING WATER VALVE		EXISTING SANITARY SEWER LINE
	EXISTING WATER METER		EXISTING WATER LINE
	EXISTING SEWER MANHOLE		EXISTING GAS LINE
	EXISTING STORM MANHOLE		EXISTING CONTOUR LINE
	PROPOSED STORM MANHOLE		PROPOSED CONTOUR LINE
	PROPOSED FLARED END SECTION		TEMPORARY TREE PROTECTION BARRICADE
	EXISTING DRAINAGE STRUCTURE		EXISTING STORM DRAINAGE PIPE
	PROPOSED DRAINAGE STRUCTURE		PROPOSED STORM DRAINAGE PIPE
	EXISTING SPOT ELEVATION		PROPOSED ROOF DRAIN PIPE
	PROPOSED SPOT ELEVATION		EXISTING TREE LINE
	EXISTING CLEANOUT		EXISTING GAS VALVE
	EXISTING DOWNSPOUT		EXISTING GAS METER
	TEMPORARY SILT SACK		TEMPORARY SILT FENCE
	TEMPORARY INLET PROTECTION		STONE OPENING IN TEMPORARY SILT FENCE
	TEMPORARY ROCK CHECK DAM		TEMPORARY TREE PROTECTION BARRICADE
	TEMPORARY FILTER BERM BASIN		LIMITS OF GRADING/CONSTRUCTION
			LINED GRASS SWALE
			GRASS SWALE

GRADING AND DRAINAGE NOTES

- EARTHWORK QUANTITIES HAVE NOT BEEN ESTIMATED AND SITE AS SHOWN IS NOT ASSUMED TO REPRESENT A BALANCED CUT/FILL CONDITION.
- CONTRACTOR SHALL PERFORM HIS OWN ESTIMATES AND SHALL PROVIDE ALL EARTHWORK NECESSARY TO ACHIEVE THE DESIGN GRADE, INCLUDING ANY OFFSITE BORROW OR SPOILS REQUIRED.
- ROOF LEADERS SHALL BE SCH 40 PVC. MINIMUM COVER SHALL BE 18". MINIMUM SLOPE SHALL BE 1%. PROVIDE CLEANOUTS AT ALL CONNECTIONS WITH BUILDING DRAIN AND WHERE INDICATED. REFER TO ARCHITECTURAL DWGS. FOR THE EXACT LOCATION OF ROOF DRAINS AT THE BUILDING.
- CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE IN ALL GRADED AREAS, INCLUDING PAVING, LAWN AND LANDSCAPE AREAS.
- THE CONTRACTOR SHALL IMMEDIATELY REPORT TO OWNER ANY DISCREPANCIES FOUND BETWEEN ACTUAL FIELD CONDITIONS AND CONSTRUCTION DOCUMENTS AND SHALL WAIT FOR INSTRUCTION PRIOR TO PROCEEDING.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK, BOTH PUBLIC AND PRIVATE. CONTRACTOR IS FULLY RESPONSIBLE FOR ALL UNDERGROUND UTILITIES AND SHALL REPAIR ANY DAMAGE AS A RESULT OF THIS CONTRACT.
- CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING GRADE.
- THE PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN IN DRIVES, PARKING LOTS AND SIDEWALKS ARE FINISHED ELEVATIONS INCLUDING ASPHALT. REFER TO PAVEMENT CROSS SECTION DATA TO ESTABLISH CORRECT SUBBASE OR AGGREGATE BASE COURSE ELEVATIONS TO BE COMPLETED UNDER THIS CONTRACT.
- PROPOSED SPOT ELEVATIONS SHOWN REFER TO BOTTOM OF CURB UNLESS OTHERWISE NOTED ON PLAN.
- PIPE LENGTHS SHOWN ARE THE ENGINEER'S ESTIMATE USED TO COMPUTE PIPE SLOPES AND INVERTS AND SHALL NOT BE CONSTRUED BY THE CONTRACTOR TO REPRESENT THE ACTUAL QUANTITY OF PIPE REQUIRED.
- CROSS SLOPE OF SIDEWALKS SHALL BE 2% (MAX).
- SLOPES SHALL BE GRADED NO STEEPER THAN 2:1
- NO DISTURBANCE OR COMPACTION, CONSTRUCTION MATERIALS, TRAFFIC, BURIAL PITS, TRENCHING OR OTHER LAND DISTURBING ACTIVITY ALLOWED IN THE TREE PROTECTION ZONE. TREE BARRICADES MUST BE INSTALLED BEFORE ANY DEMOLITION, GRADING OR CONSTRUCTION BEGINS, AND NOT REMOVED UNTIL FINAL INSPECTION.
- NO GRUBBING WITHIN TREE PROTECTION ZONE. LEAVE SOIL AND LEAF LITTER UNDISTURBED. SUPPLEMENT WITH 1-2 INCHES OF MULCH. RE-SEED WITH GRASS ONLY IN DISTURBED/GRADED AREAS.
- BRUSH, VINES AND SMALL TREES (<8 IN. DIA., OR AS SMALL AS 2 IN. CALIPER) MAY BE HAND CLEARED ONLY CUT FLUSH WITH GROUND SURFACE. EXISTING TREES MAY BE LIMBED UP 6 FEET (AT LEAST 2/3 OF THE BRANCHES SHOULD BE LEFT) TO IMPROVE VISIBILITY.
- EXPOSED TREE ROOTS MUST BE CLEANLY CUT WITH A SHARP PRUNING TOOL; BACKFILL ASAP TO MINIMIZE EXPOSURE TO THE AIR.
- UNLESS OTHERWISE NOTED, THE PHYSICAL CONNECTION TO THE DOWNSPOUTS INSTALLED BY THE ROOFING CONTRACTOR BETWEEN THE SITE ROOF DRAIN PIPE A SHALL BE MADE BY THE SITE GRADING CONTRACTOR.
- IN ORDER TO ENSURE ADEQUATE DRAINAGE, FLOW LINES IN GUTTERS SHALL BE 0.50% MINIMUM.

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Seals

Signed by:
Professional Engineer
NO. 053444
SEAL
MORGAN R. WOOLNER
02/25/2026
Corp. NC license: F-1320

Miracle of Hickory Park
Modifications

1515 12th Street Dr NW
Hickory, North Carolina

Project no: 1726.500007.00
Date: 07.17.26
Revisions:

Sheet Title:

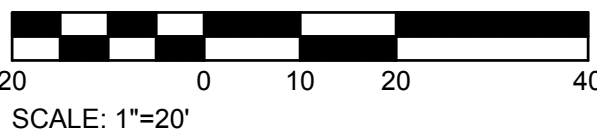
GRADING AND
DRAINAGE PLAN

Sheet No:

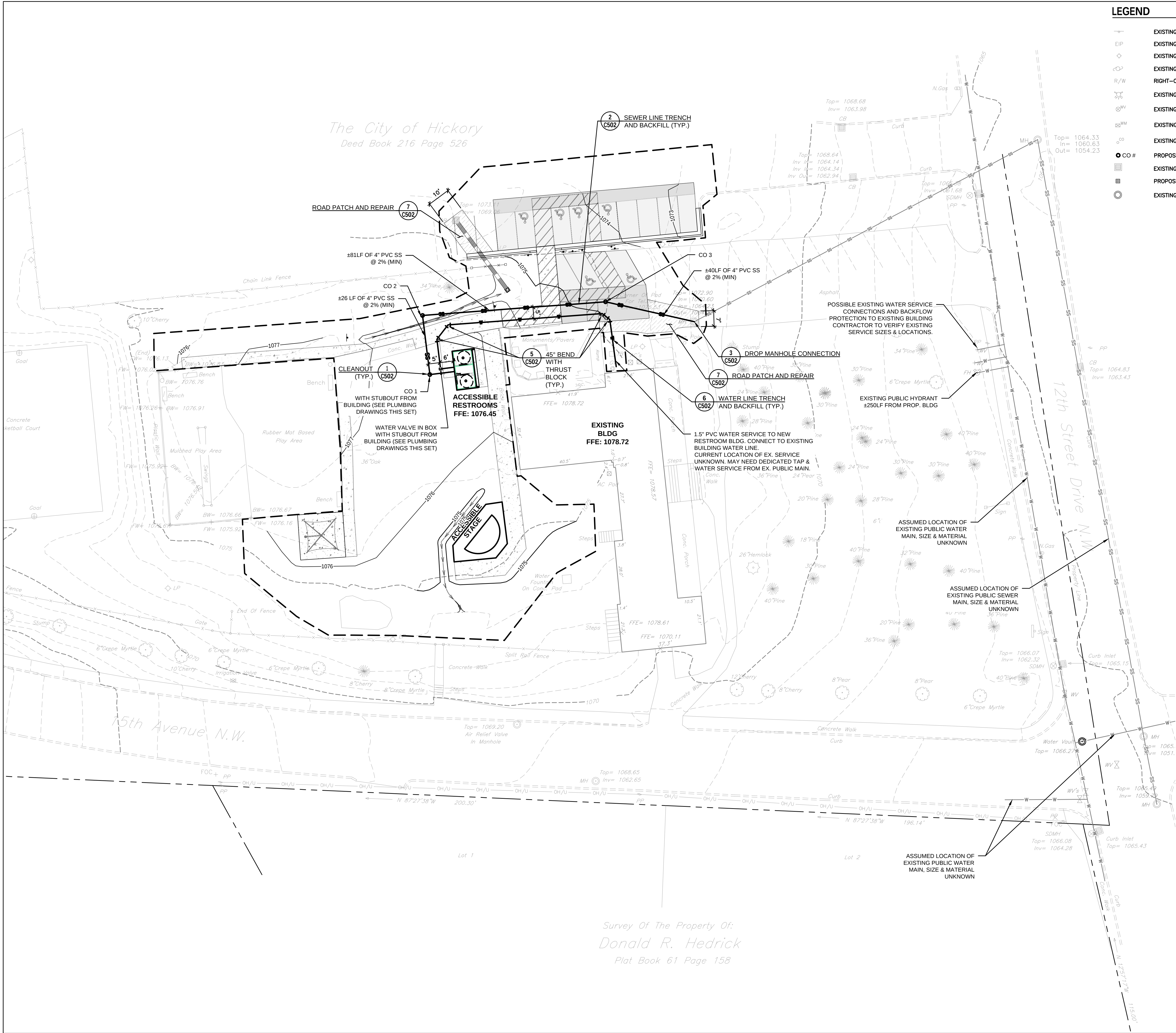
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LEGEND

	EXISTING SIGN		EXISTING CURB AND GUTTER
	EXISTING IRON PIN		PROPOSED CURB AND GUTTER
	EXISTING LIGHT POLE		PROPERTY LINE
	EXISTING UTILITY POLE		EXISTING FENCE
	RIGHT-OF-WAY		EXISTING UNDERGROUND ELECTRIC LINE
	EXISTING FIRE HYDRANT		EXISTING OVERHEAD ELECTRIC LINE
	EXISTING WATER VALVE		EXISTING UNDERGROUND TELEPHONE LINE
	EXISTING WATER METER		EXISTING SANITARY SEWER LINE
	EXISTING CLEANOUT		PROPOSED SANITARY SEWER LINE
	PROPOSED CLEANOUT		EXISTING WATER LINE
	EXISTING DRAINAGE STRUCTURE		PROPOSED WATER LINE
	PROPOSED DRAINAGE STRUCTURE		EXISTING CONTOUR LINE
	EXISTING SEWER MANHOLE		PROPOSED CONTOUR LINE
			EXISTING STORM DRAINAGE PIPE
			PROPOSED STORM DRAINAGE PIPE
			EXISTING GAS LINE
			PROPOSED GAS LINE
			EXISTING EASEMENT

UTILITY NOTES

- ALL UTILITY CONSTRUCTION (PRIVATE AND PUBLIC) SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODE REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES (STORM DRAINAGE, ELECTRIC, GAS, TELEPHONE, ETC.) PRIOR TO CONSTRUCTION. INFORMATION SHOWN ON THIS PLAN IS FOR REFERENCE ONLY AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY IF ANY DISCREPANCIES BETWEEN THE CONSTRUCTION PLANS AND ACTUAL FIELD CONDITIONS ARE FOUND.
- MINIMUM COVER FOR ALL SANITARY SEWER MAINS SHALL BE 3'-0". DUCTILE IRON PIPE SHALL BE SUBSTITUTED WHEN MINIMUM COVER CAN NOT BE MAINTAINED.
- THE STANDARD DEPTH OF COVER FOR WATER MAINS SHALL BE 3'-0" MIN. EXCEPT AT VALVE OR HYDRANT LOCATIONS, OR OTHER SPECIAL CONDITIONS.
- THE CONNECTION TO EXISTING WATER MAINS SHALL BE PERFORMED ONLY AFTER ALL PRESSURE TESTING AND CHLORINATION ARE SUCCESSFULLY COMPLETED AND THE LOCAL REVIEW AUTHORITY HAS APPROVED THE CONNECTION. THE CONTRACTOR SHALL AVOID DISRUPTION OF EXISTING SERVICE.
- REFER TO PLUMBING DRAWING SERIES FOR THE LOCATION OF WATER AND SANITARY SEWER SERVICE CONNECTIONS AT THE BUILDING.
- UNLESS OTHERWISE NOTED, THE PHYSICAL CONNECTION BETWEEN THE SITE UTILITY LINES AND THE PIPE INSTALLED BY THE PLUMBING CONTRACTOR SHALL BE MADE BY THE SITE UTILITY CONTRACTOR.
- PIPE LENGTHS SHOWN ON PLAN ARE THE ENGINEER'S ESTIMATE USED TO COMPUTE PIPE SLOPES AND INVERTS AND SHALL NOT BE CONSTRUED BY THE CONTRACTOR TO REPRESENT THE ACTUAL QUANTITY OF PIPE REQUIRED.
- IF WATER LINE CROSSES OVER SANITARY SEWER WITH LESS THAN 18 INCHES VERTICAL CLEARANCE BOTH PIPES SHALL BE DUCTILE IRON 10" EACH SIDE. IF WATER CROSSES UNDER THE SEWER REGARDLESS OF CLEARANCE, BOTH PIPES SHALL BE DUCTILE IRON 10" EACH SIDE. IF WATER LINE RUNS PARALLEL TO SEWER LINE WITH LESS THAN 18" VERTICAL CLEARANCE AND LESS THAN 10' SIDE CLEARANCE BOTH PIPES SHALL BE DUCTILE IRON.
- IF REQUIRED BY NUMBER 10 ABOVE, REPLACE EXISTING SEWER WITH DUCTILE IRON PIPE, CLASS 350 WORKING PRESSURE WITH GASKETED JOINTS, 10' EACH SIDE OF WATER MAIN.
- THERE SHALL BE NO TAPS, PIPING BRANCHES, UNAPPROVED BYPASS PIPING, HYDRANTS, FIRE DEPT. CONNECTION POINTS, OR OTHER WATER-USING APPURTENANCES CONNECTED TO THE SUPPLY LINE BETWEEN ANY WATER METER AND ITS CITY OF HICKORY REQUIRED BACKFLOW PREVENTER.
- EACH REQUIRED BPA IS REQUIRED TO BE TESTED BY A CITY OF HICKORY APPROVED CERTIFIED TESTER PRIOR TO PLACING THE WATER SYSTEM IN SERVICE.



Miracle of Hickory Park
Modifications

1515 12th Street Dr NW
Hickory, North Carolina

Project no: 1726.500007.00
Date: 07.17.26
Revisions:

Sheet Title:

UTILITY PLAN

Sheet No:

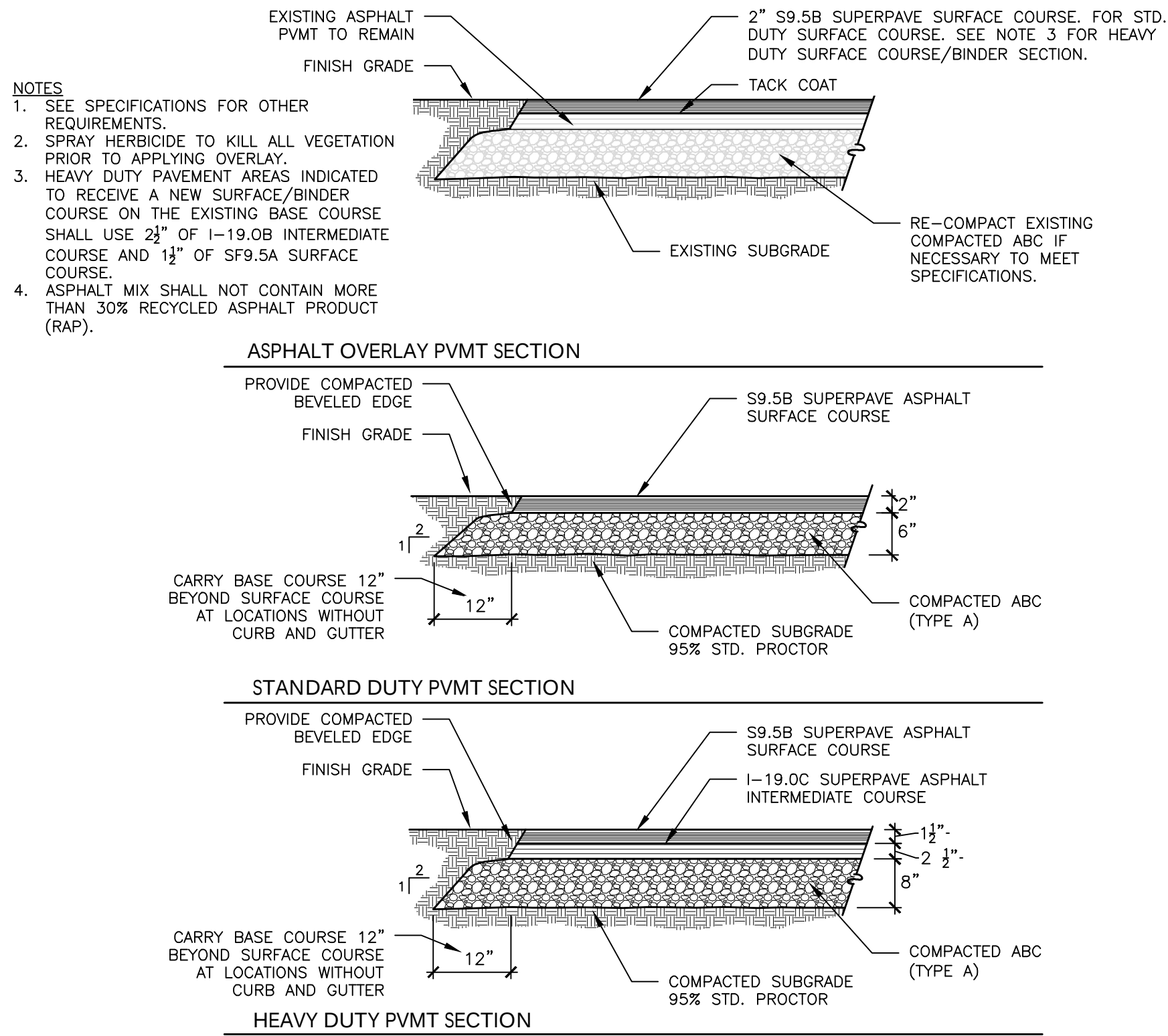
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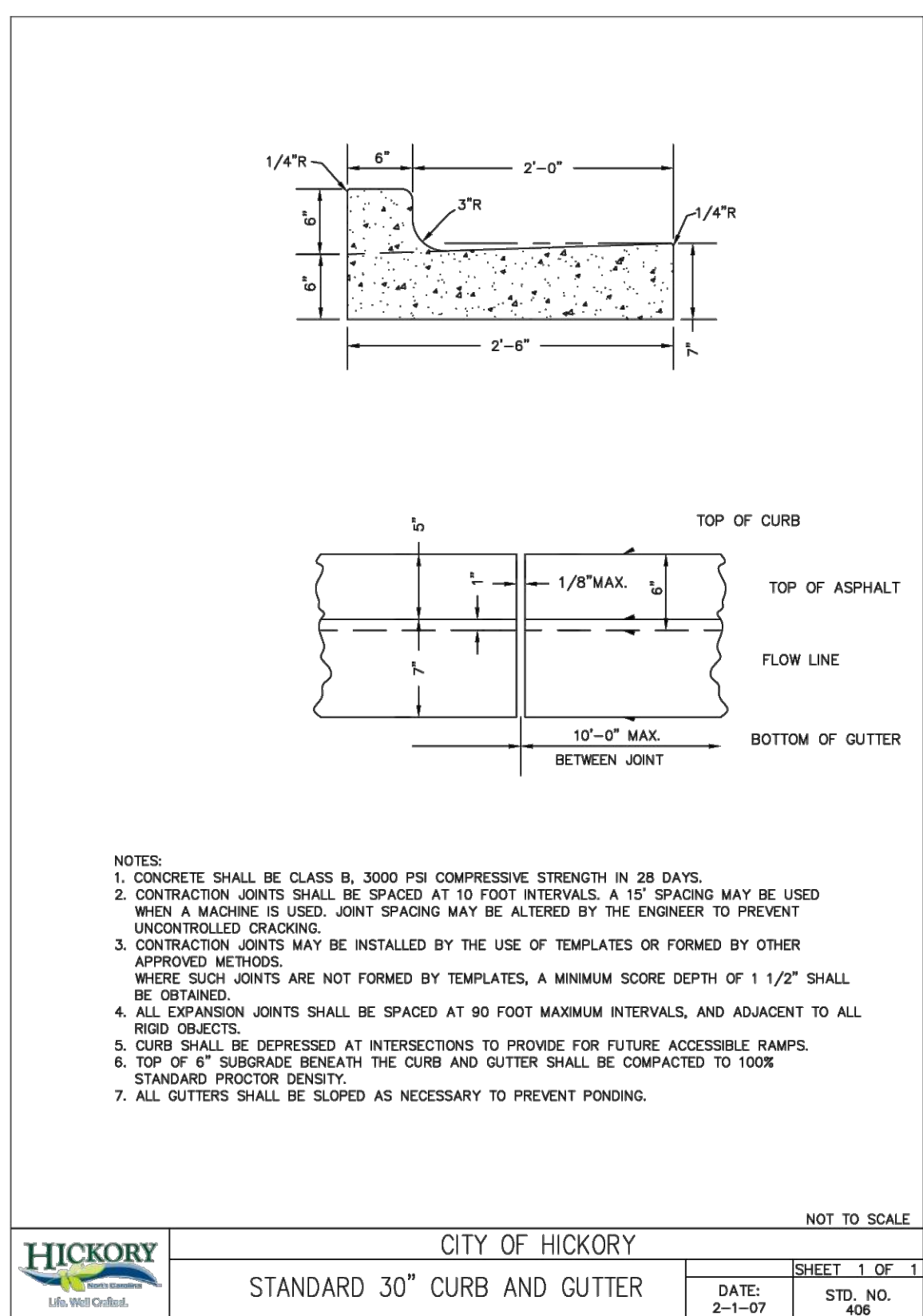
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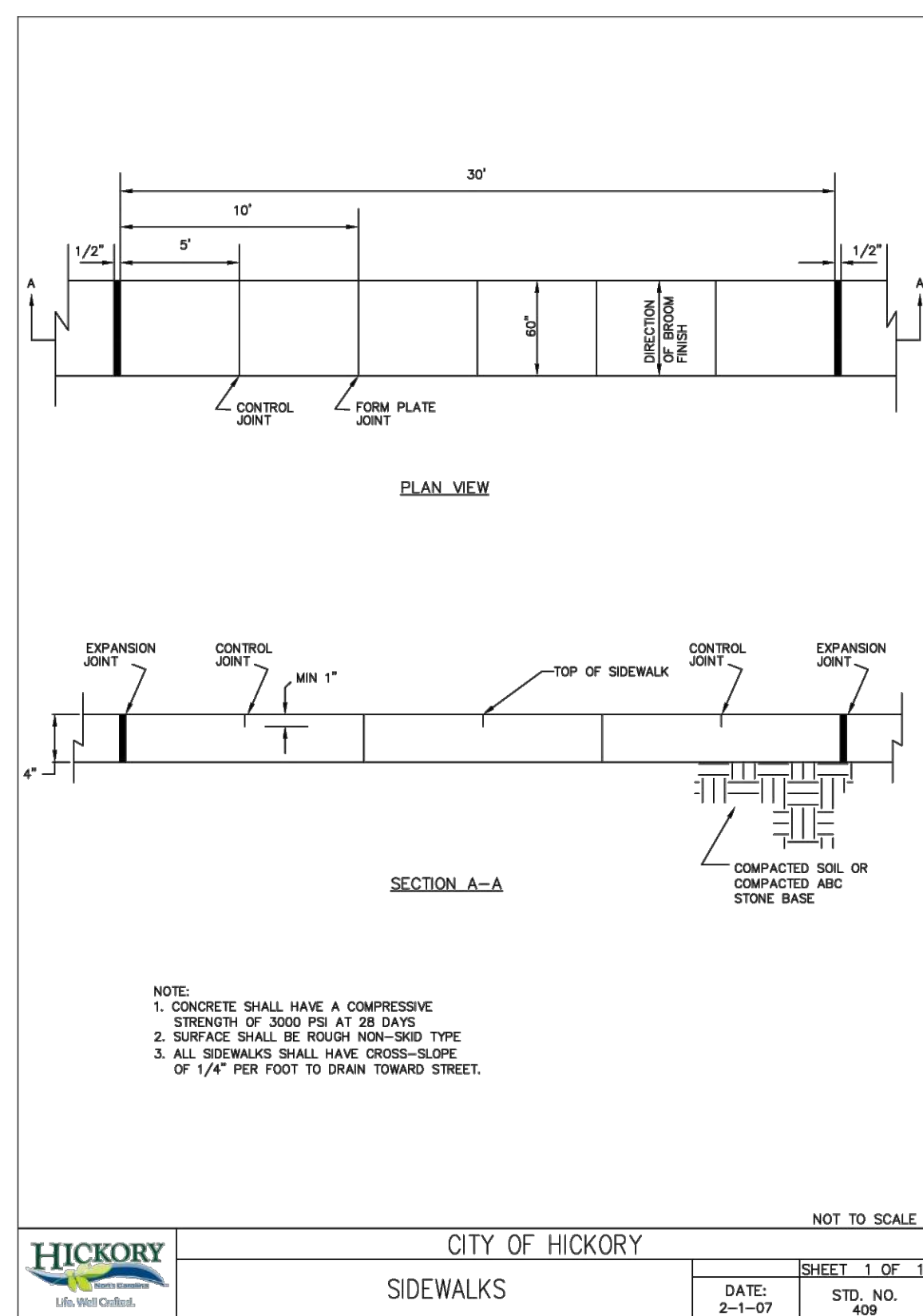
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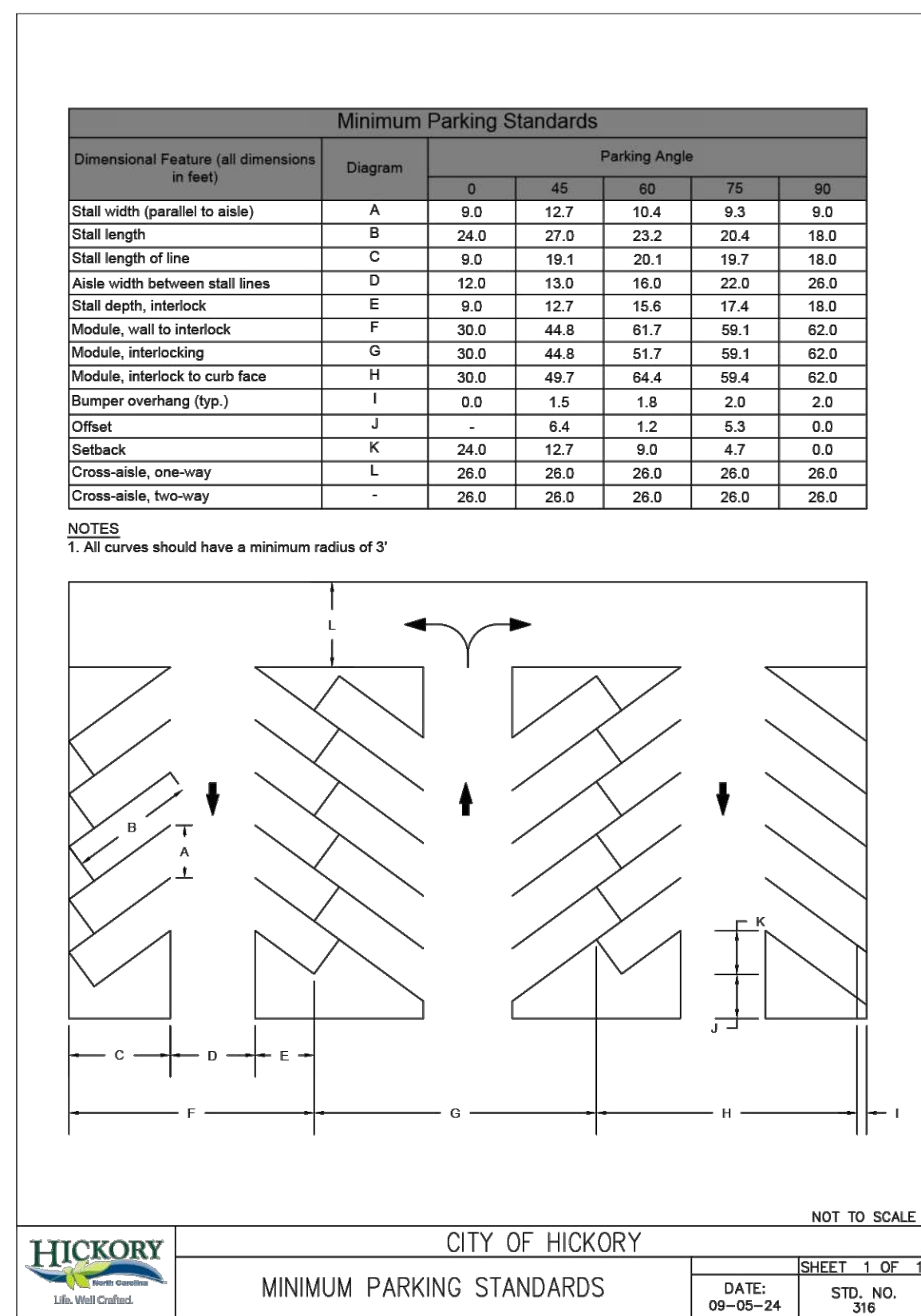
1 Asphalt Pavement Detail
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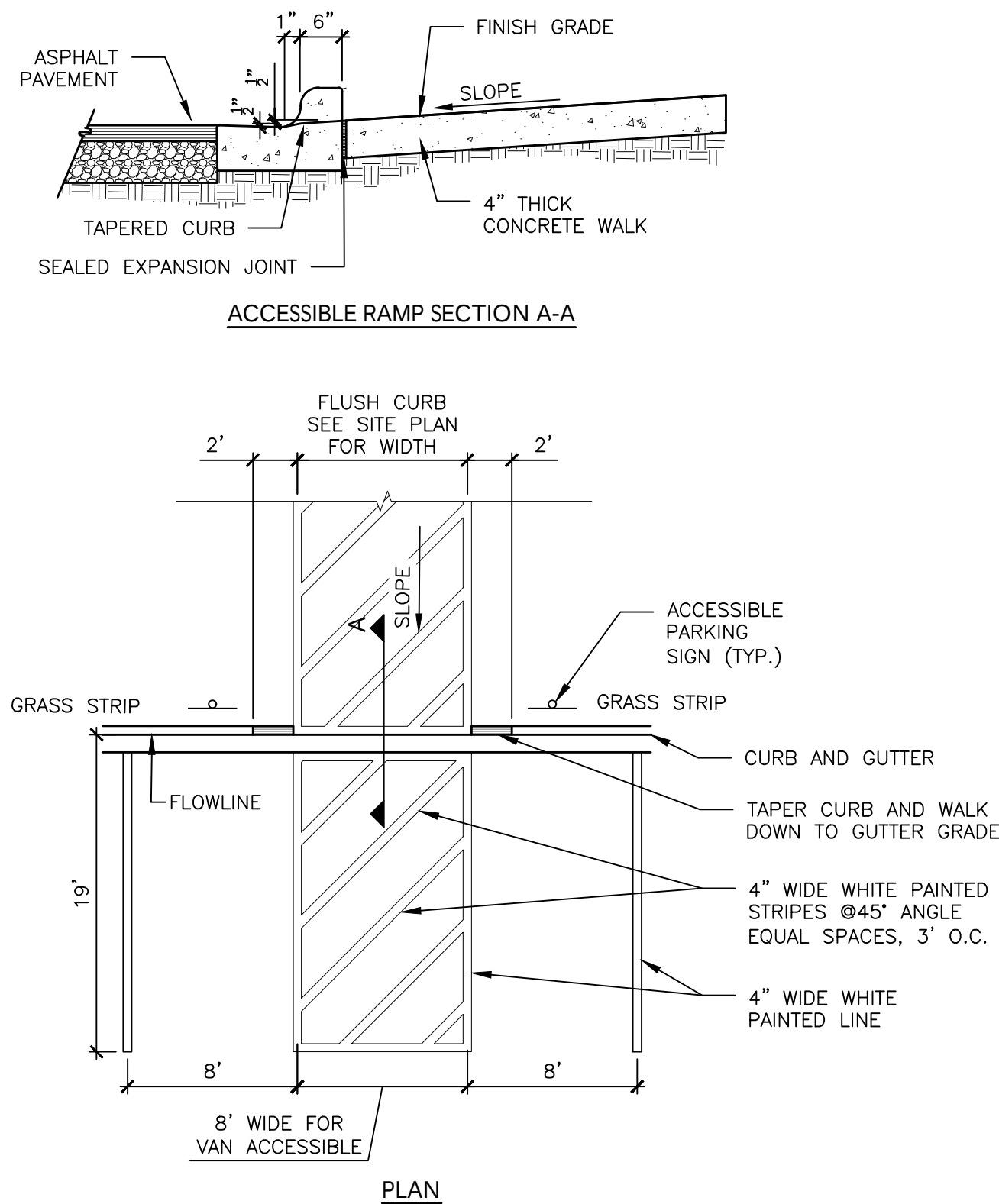
2 Curb and Gutter
City of Hickory STD. 406



3 Concrete Sidewalk Detail
City of Hickory STD. 409

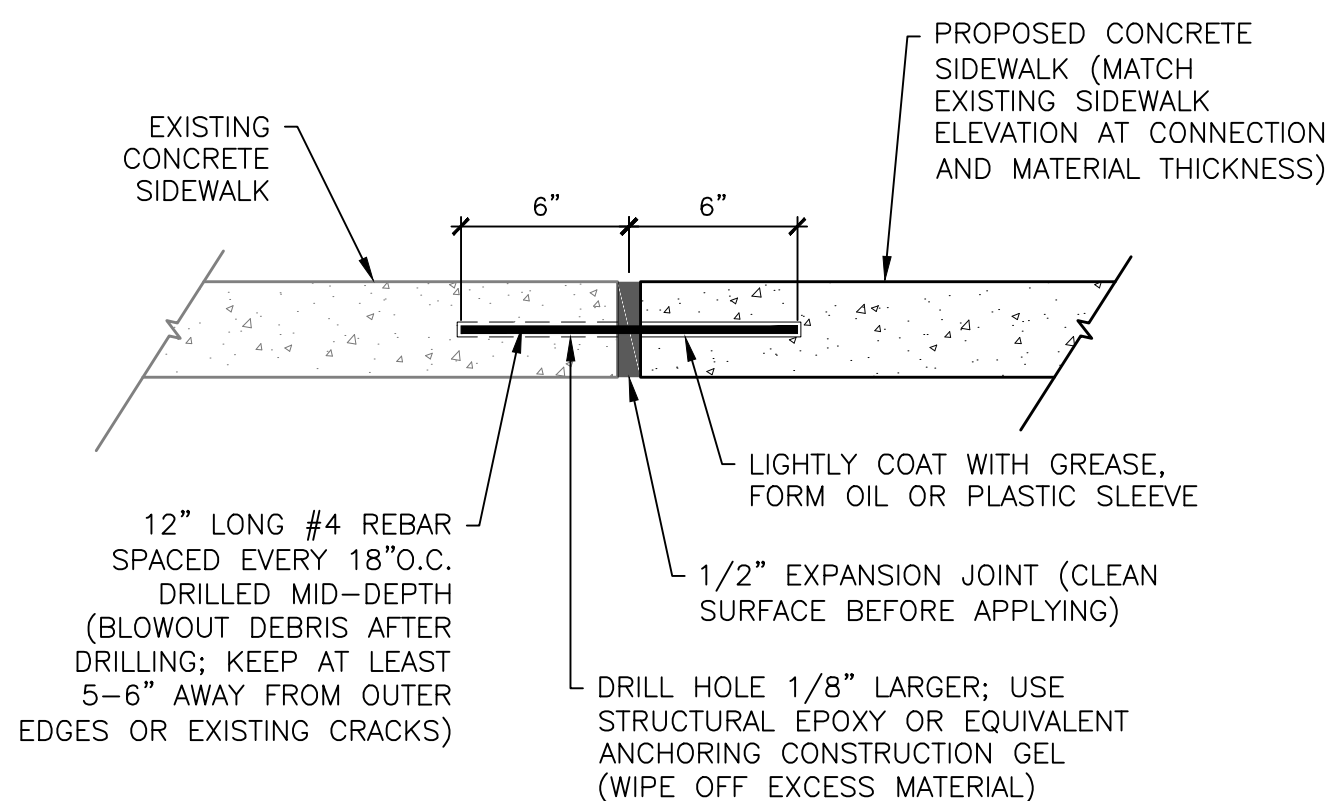
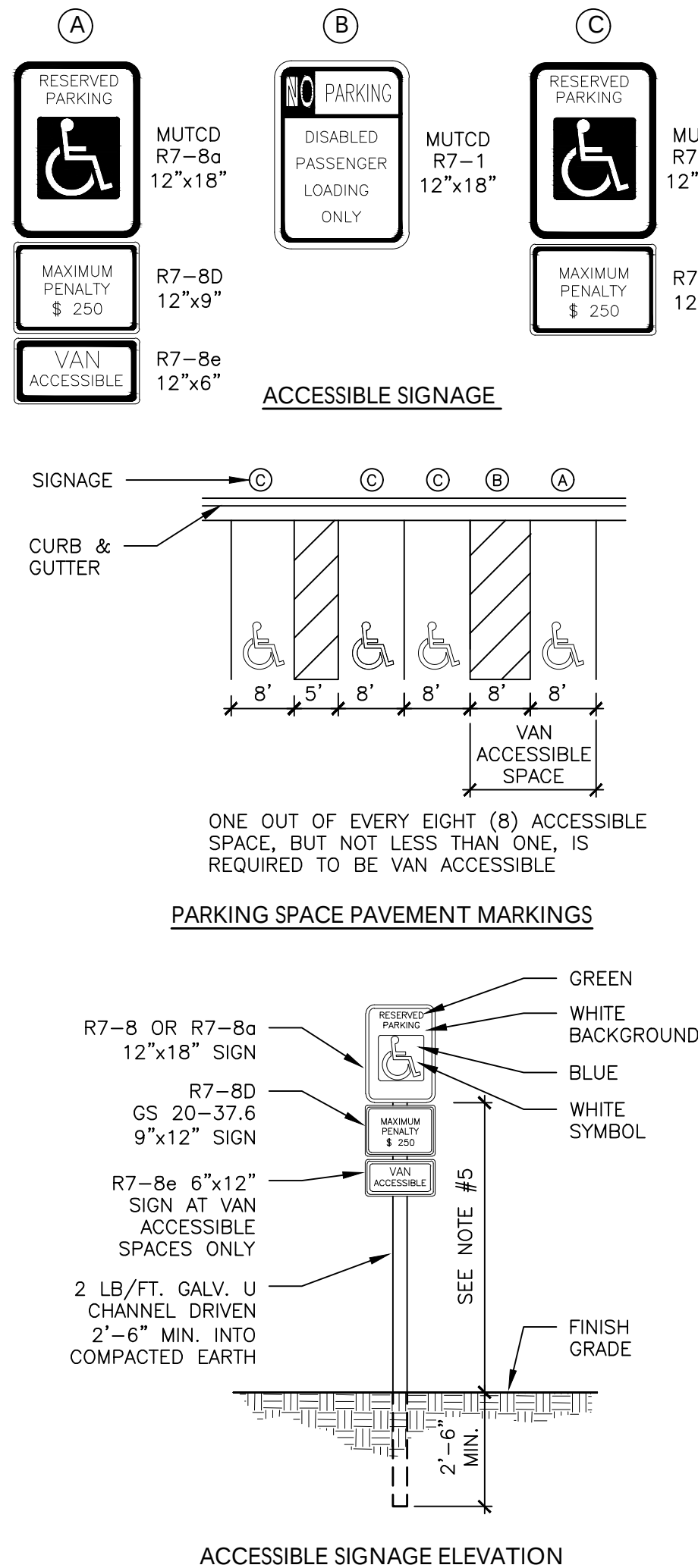


4 Parking Standards
City of Hickory STD. 316

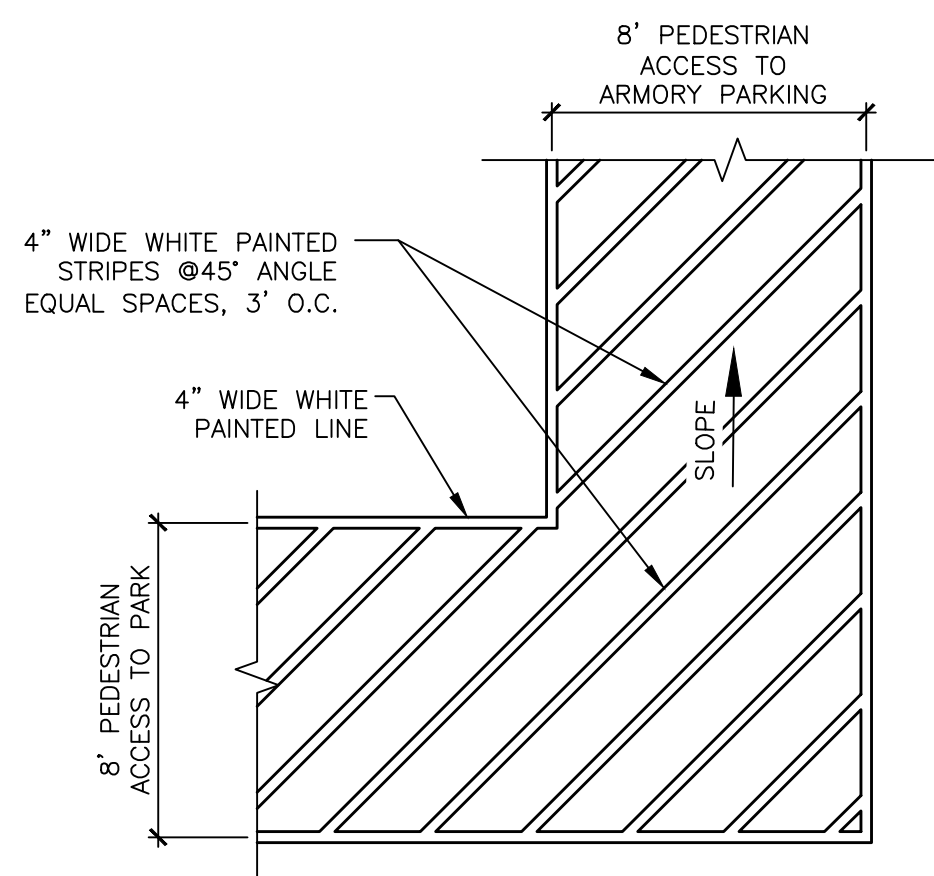


- NOTES**
- RAMP AND WING SLOPES SHALL NOT BE STEEPER THAN 1:12.
 - GUTTER FLOW LINE AND PLAN PROFILE SHALL BE MAINTAINED THROUGH THE RAMP AREA.
 - IF ACCESSIBLE ROUTE IS A RAISED SIDEWALK AREA, THEN RAMPS ARE REQUIRED AT LOADING ZONE AREA.
 - COORDINATE CONSTRUCTION TO COMPLY WITH LOCAL AND FEDERAL ADA STANDARDS.
 - ALL 12"x18" ACCESSIBLE SIGNS (R7-8a AND R7-1) SHALL BE MOUNTED AT 7 FEET FROM GRADE TO BOTTOM EDGE OF SIGN FACE (MUTCD). MOUNTING HEIGHT CAN BE REDUCED TO 5 FEET IF PLACED IN AN AREA BETWEEN SIDEWALK AND BUILDING FACE IN WHICH PEDESTRIANS ARE NOT EXPECTED TO USE.
 - REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD) U.S. DEPARTMENT OF TRANSPORTATION AND NORTH CAROLINA DEPARTMENT OF TRANSPORTATION SUPPLEMENT.
 - THE SURFACE OF THE RAMP SHALL BE FLUSH WITH THE FLOWLINE OF THE CURB AND GUTTER.

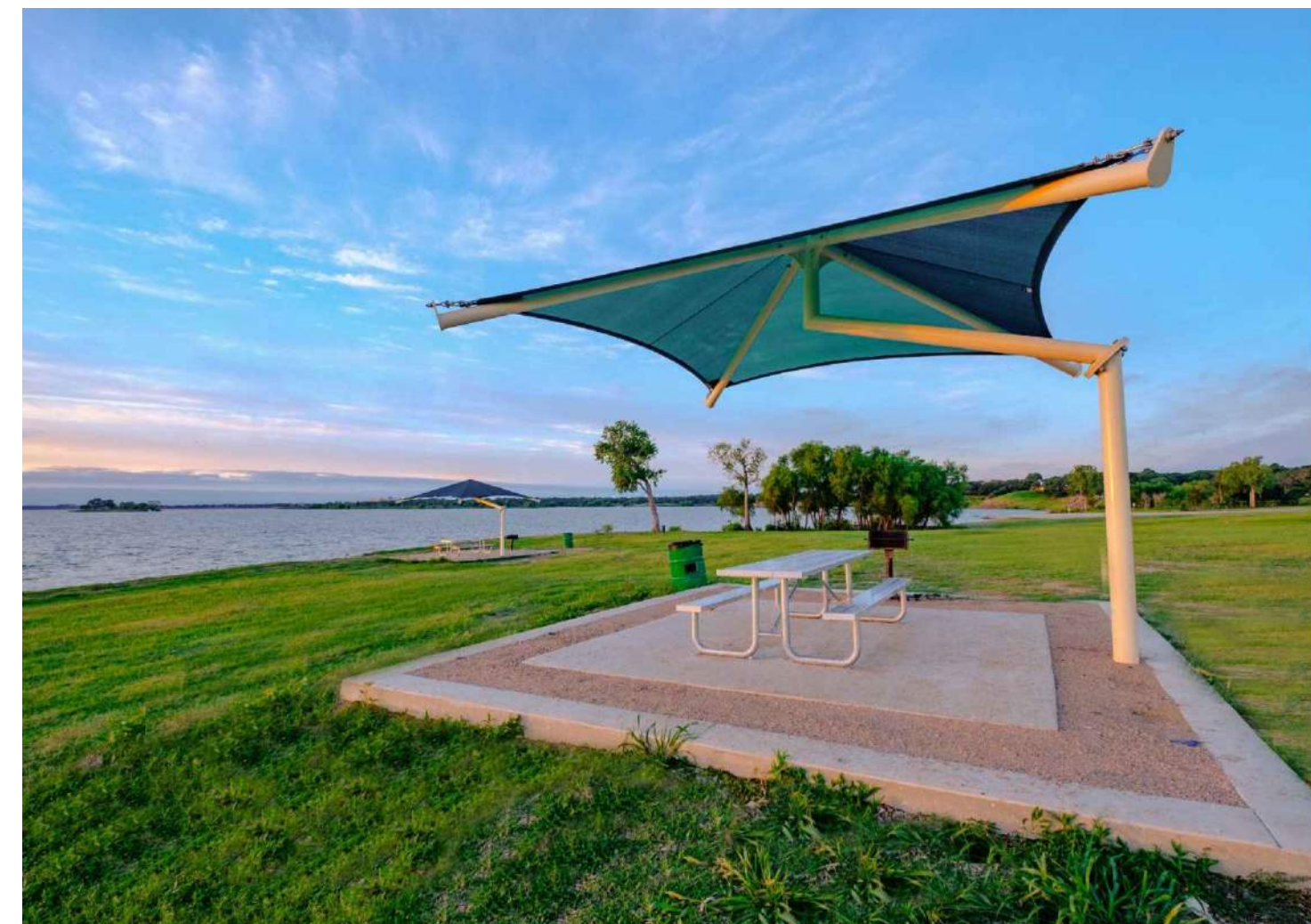
5 Accessible Parking/Signage/Striping Detail
N.T.S.



3A Concrete Sidewalk Connection
N.T.S.



6 Accessible Striping
N.T.S.



NOTE:

PREFERRED SHADE STRUCTURE: USASHADE SINGLE POST PYRAMID CANTILEVER SHADE STRUCTURE. IF OTHER STRUCTURE, IT SHALL MATCH ON-SITE SHADE STRUCTURE AND MUST BE APPROVED BY CITY OF HICKORY.

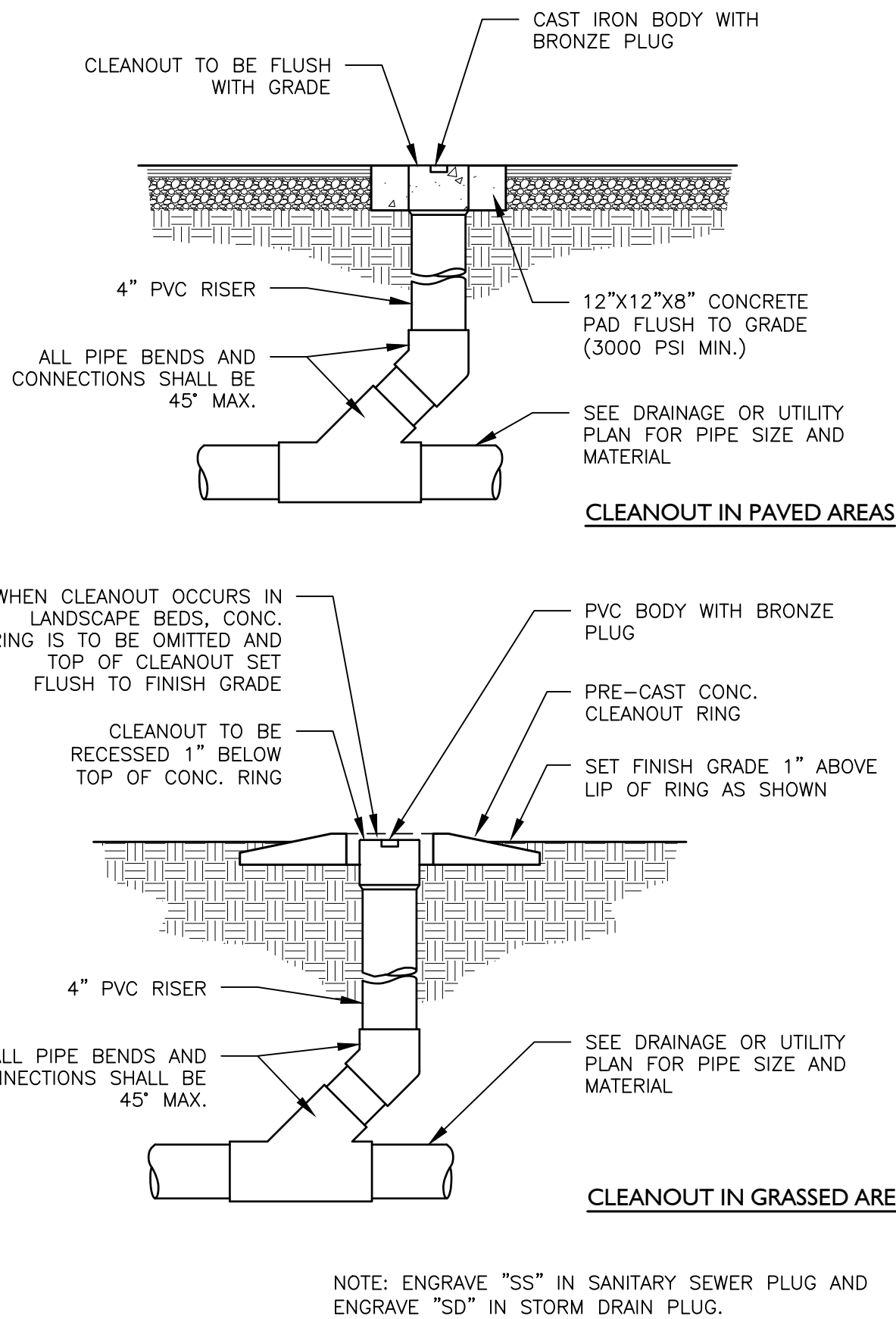
SINGLE POST PYRAMID CANTILEVER

10'x10' to 20'x20'
Ideal for spaces like walkways and pool side that need shade without column obstructions.

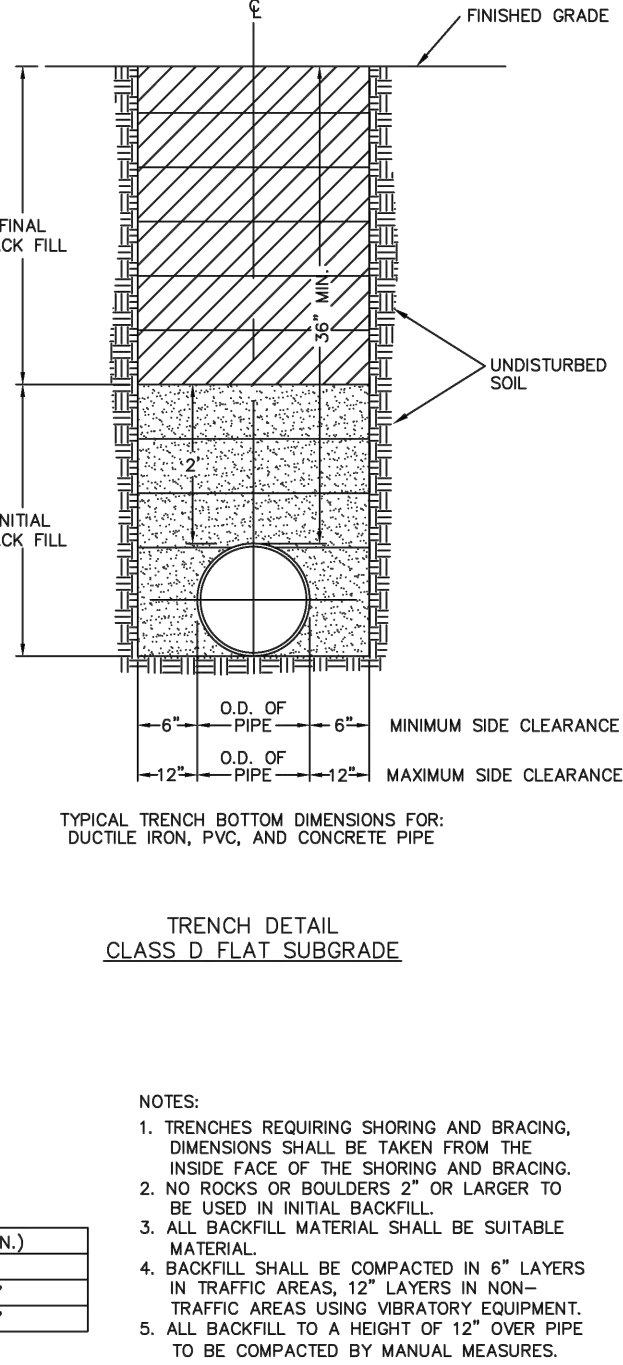


7 Shade Structure
N.T.S.

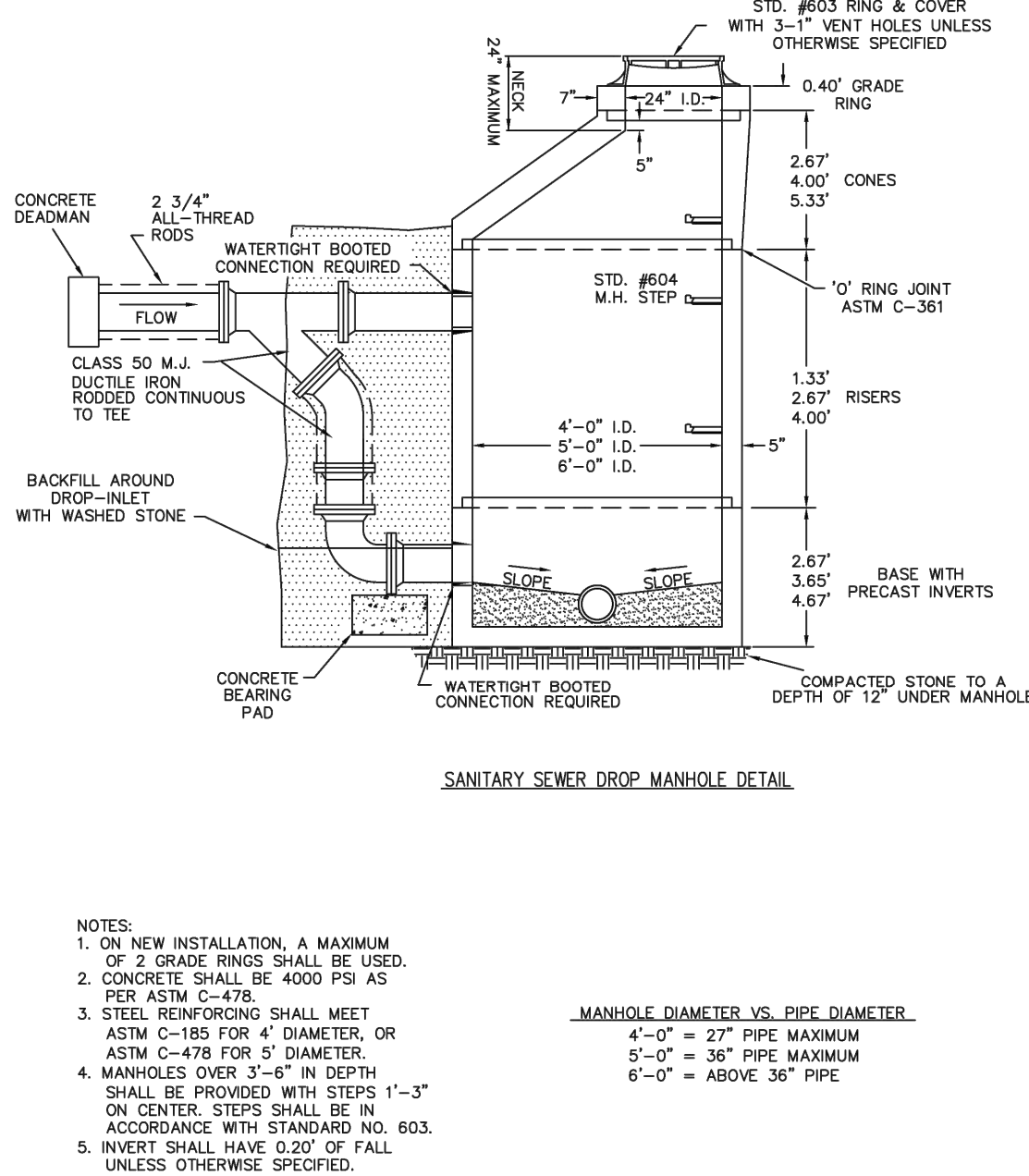
Y:\North Carolina\TXS-500\1735-500007.DWG, Hickory_Park_ModEng_Doc\Drawings\1735-500007.DWG, CD\1735-500007.DWG, C500 - DETAILS.dwg



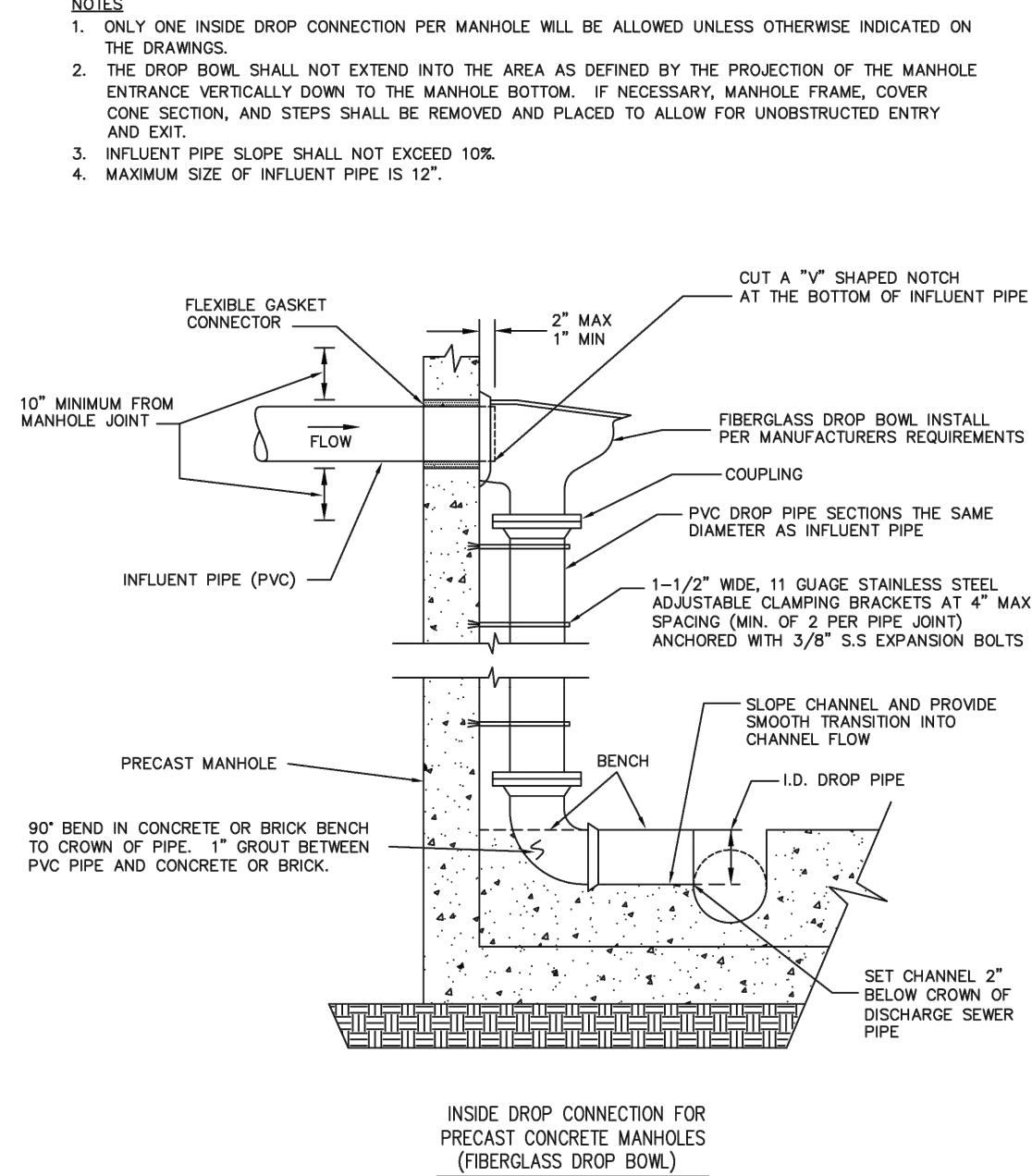
1 Cleanout
N.T.S.



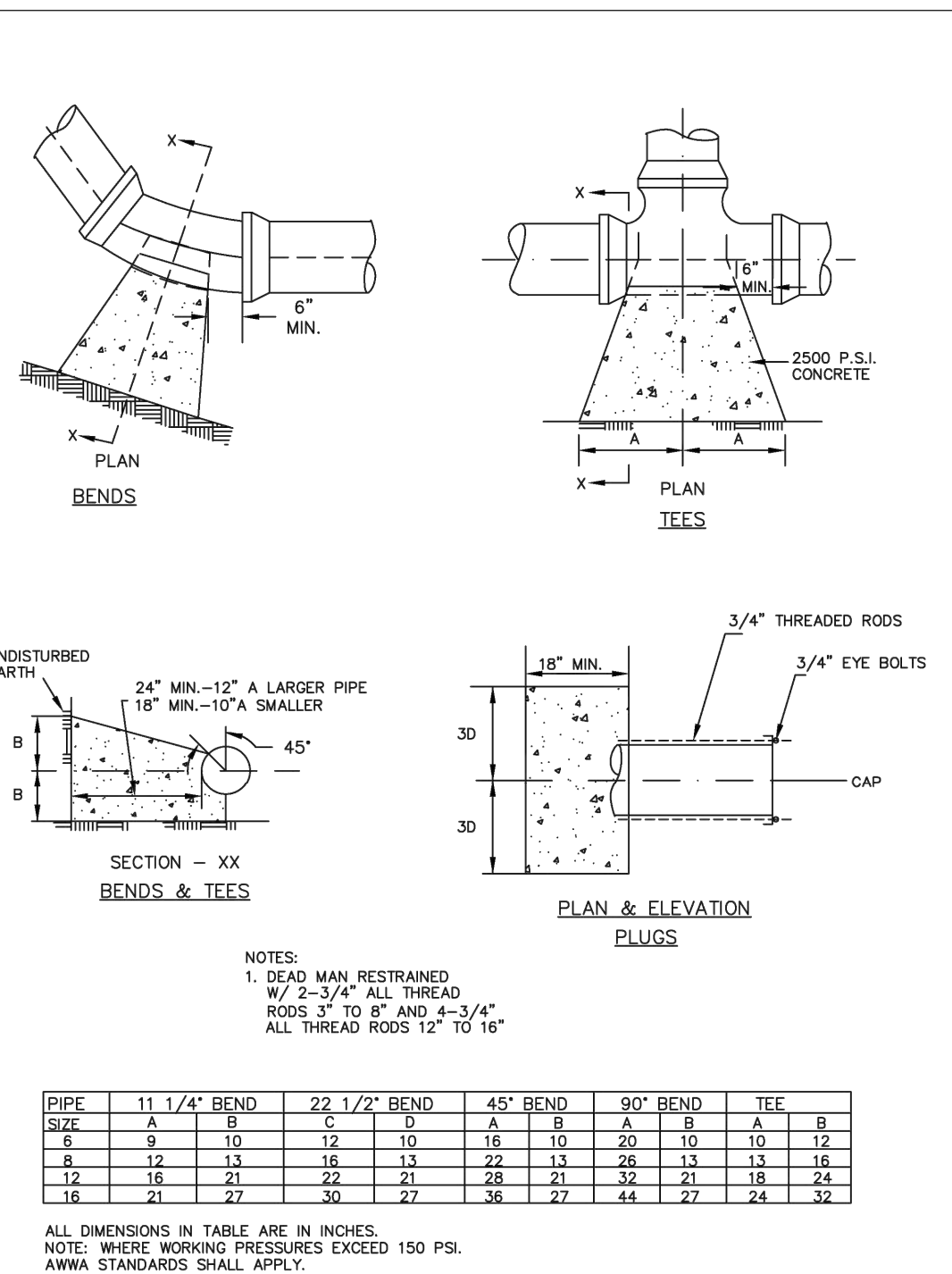
2 Sewer Line Trench and Backfill
City of Hickory STD. 602



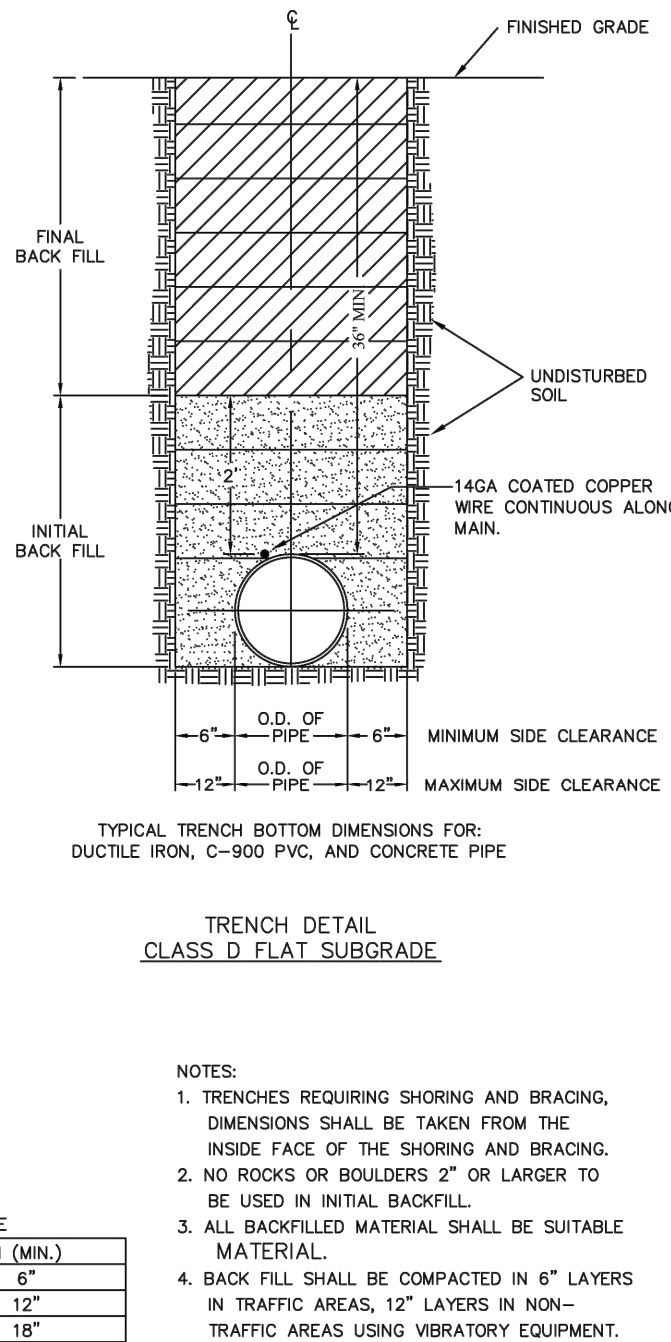
3 Sanitary Sewer Drop Manhole (Outside)
City of Hickory STD. 604



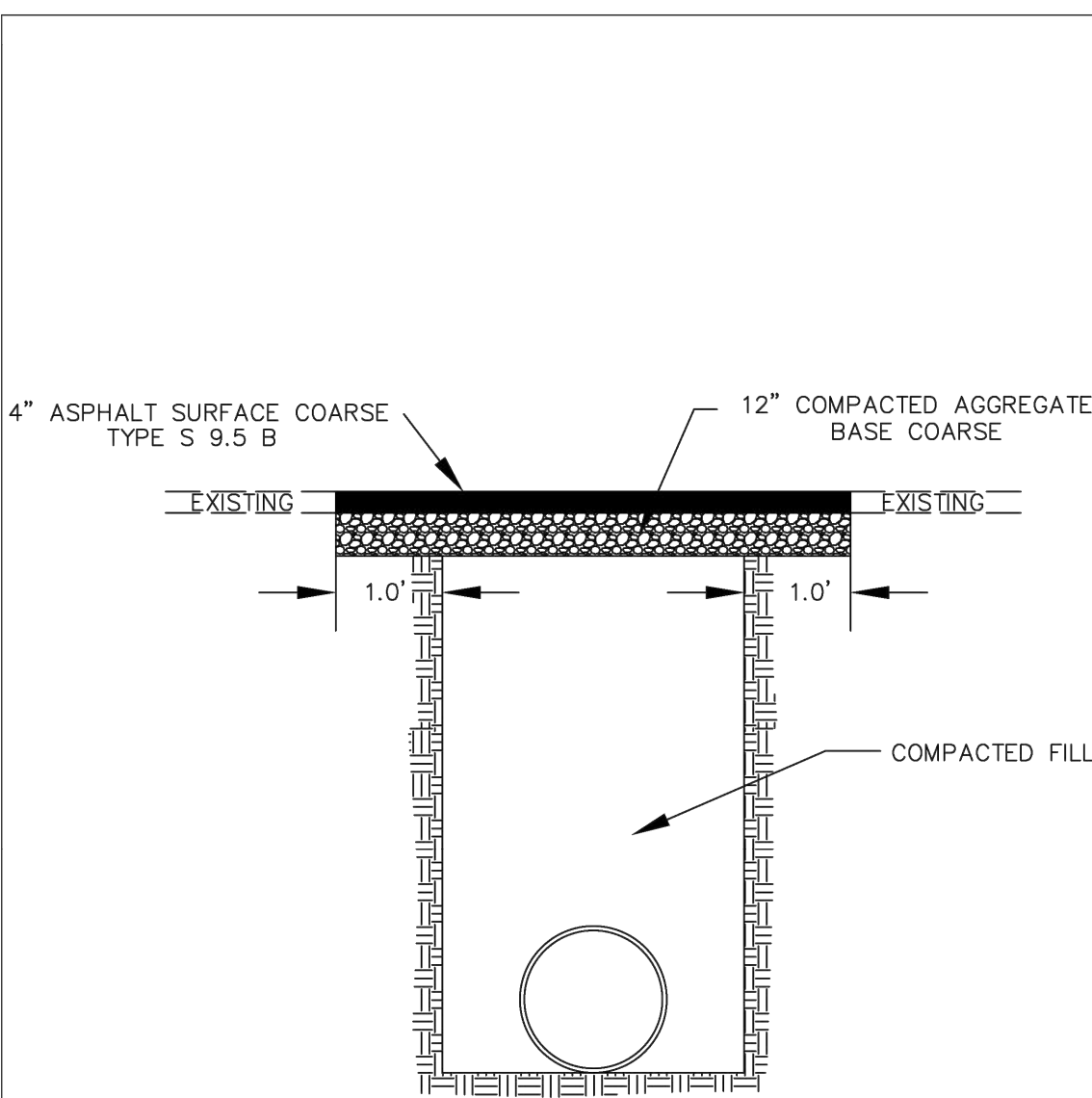
4 Sanitary Sewer Drop Manhole (Inside)
City of Hickory STD. 614



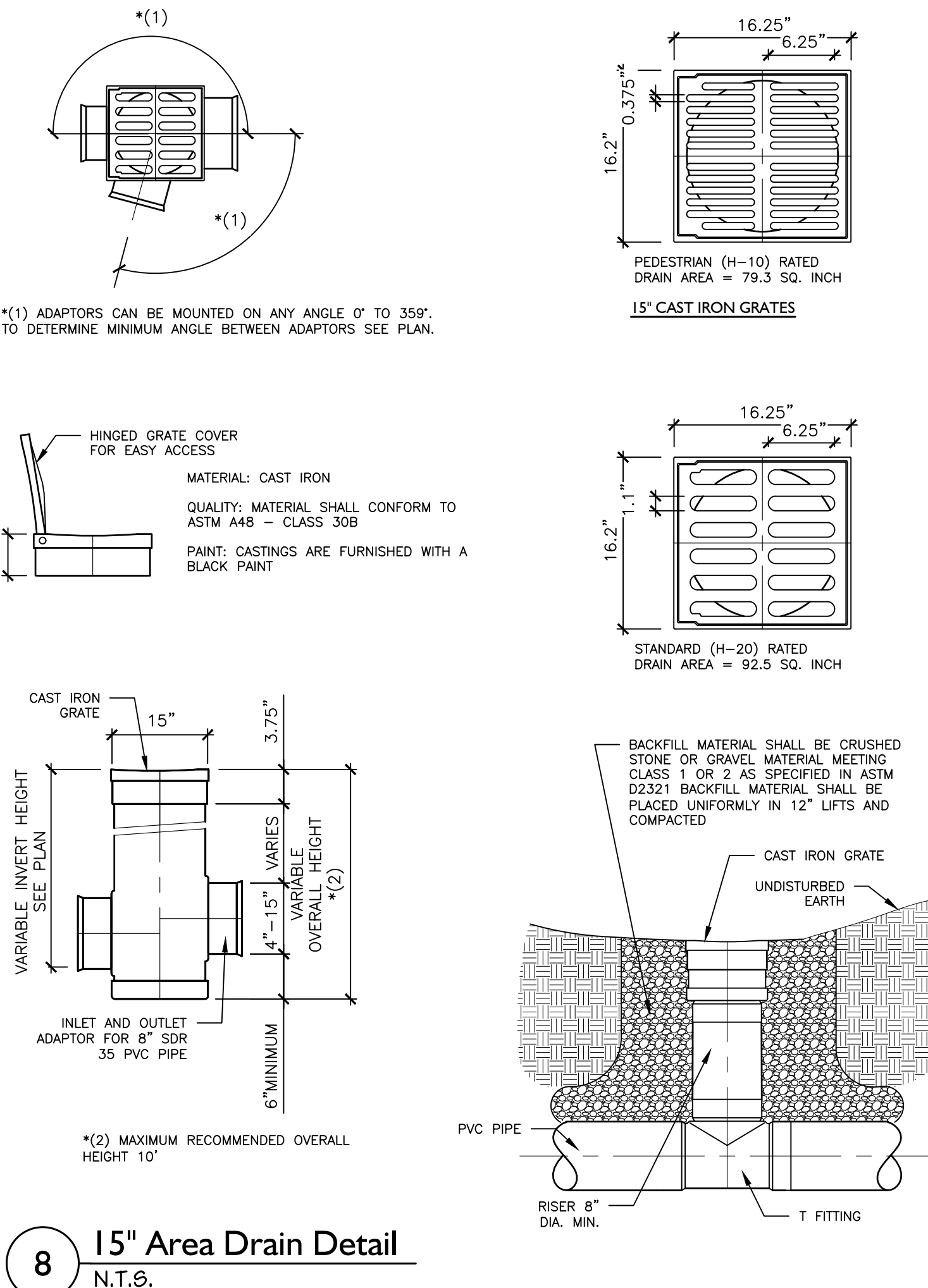
5 Thrust Block
City of Hickory STD. 504



6 Water Line Trench and Backfill
City of Hickory STD. 508



7 Road Patch and Repair
City of Hickory STD. 519



8 15" Area Drain Detail
N.T.S.

GENERAL PLUMBING SPECIFICATIONS

CAST IRON SOIL, WASTE AND VENT PIPING: WASTE PIPING P.V.C. SHALL BE D.W.V. SCHEDULE 40 SOLID CORE PIPE

GRADE WASTE PIPING 1/4 INCH PER FOOT (MIN) FOR PIPE SIZES 2-1/2" OR LESS. FOR PIPE SIZES 3" TO 6", GRADE 1/8 INCH PER FOOT (MIN), 8" OR LARGER PIPE, GRADE MIN 1/16 INCH PER FOOT. ALL VENT PIPING SHALL BE GRADED AS TO DRAIN BACK TO THE DRAINAGE PIPE BY GRAVITY. REFER TO TABLE 704.1 OF THE NC PLUMBING FOR MINIMUM SLOPE REQUIRED.

WATER PIPING: ALL WATER PIPING 3" AND SMALLER SHALL BE TYPE "K" (UNDER GROUND) OR TYPE "L" (ABOVE GROUND) COPPER TUBING WITH FORGED FITTINGS AND SWEAT CONNECTIONS. DIELECTRIC UNIONS, EPCO SALES, INC., SERIES FX SHALL BE INSTALLED BETWEEN COPPER PIPE AND WATER HEATER. ALL FITTINGS SHALL BE SWEAT TYPE WROUGHT COPPER WITH WALL THICKNESS EQUAL TO PIPE WALL THICKNESS. ALL JOINTS SHALL BE MADE WITH 95-5 SOLDER OR SILVABRITE 100. NO SOLDER W/LEAD SHALL BE PERMITTED.

ALL ROUGHING-IN PIPING SHALL BE RUN CONCEALED. ALL EXPOSED WATER LINES, STOPS, TRAP AND WASTE PIPE AT THE FIXTURES SHALL BE CHROME PLATED BRASS, WHICH FOR THE MOST PART WILL BE FURNISHED WITH THE FIXTURES. CHROME PLATED ESCUTCHEON RINGS SHALL BE USED AT EACH POINT OF ENTRANCE OF CHROME PIPING INTO WALLS, FLOORS, OR CEILINGS. EXPOSED WORK SHALL BE UNIFORM IN HEIGHT AND LOCATION FOR EACH TYPE FIXTURE.

WATER PIPING UNDER GROUND OUTSIDE OF BUILDING SHALL BE AT LEAST 36 INCHES BELOW THE FINISHED GRADE SURFACE.

CPVC AND PEX WATER PIPING IS ALSO ACCEPTED AS ALLOWED BY THE PLUMBING CODE.

THERMAL INSULATION: ALL HOT AND COLD WATER PIPING INSIDE BUILDING AND IN CRAWL SPACE, ALL HOT WATER PIPING BELOW GRADE, AND COLD WATER PIPING BELOW GRADE WITHIN 3'-0" OF OUTSIDE SHALL BE INSULATED WITH 1" THICK "ARMAFLEX" OR IMCOA WITH SEALED JOINTS OR PREMOLDED FIBERGLASS WITH VAPOR BARRIER JACKET.

SUBMITTAL: THE CONTRACTOR SHALL WITHIN (15) DAYS OF RECEIPT OF PROPERLY SIGNED CONTRACT SUBMIT TO THE ARCHITECT/ENGINEER FOR APPROVAL (5) COPIES OF A LIST OF SUPPLIES AND MANUFACTURER'S MATERIAL AND EQUIPMENT TO BE USED ON THIS PROJECT.

SUBSTITUTION OF MATERIALS AND/OR EQUIPMENT FOR THAT SPECIFIED WILL NOT BE ACCEPTED WITHOUT PRIOR WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER PRIOR TO RECEIPT OF BIDS.

GENERAL: THE ENTIRE PLUMBING SYSTEM SHALL BE IN ACCORDANCE WITH THE 2018 N.C. STATE PLUMBING CODE. SUBMIT THREE (3) COPIES OF PLUMBING INSPECTION CERTIFICATES TO OWNER. PLUMBING CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED BY GOVERNING AUTHORITIES FOR WORK DONE UNDER THIS CONTRACT. PROVIDE AND INSTALL ALL SUPPORTS, BRACKETS, MATERIALS AND LABOR AS REQUIRED FOR A COMPLETE AND ACCEPTABLE PLUMBING SYSTEM. PLUMBING CONTRACTOR SHALL CLEAN ALL PLUMBING FIXTURES AFTER ALL CONSTRUCTION IS COMPLETE.

GARANTEE: THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE BY OWNER STATING THE DAY THE GUARANTEE BEGINS AND ENDS.

WATER HAMMER CONTROL: ARRESTORS SHALL BE SIZED AND APPLIED IN ACCORDANCE WITH THE PLUMBING AND DRAINAGE INSTITUTE STANDARD PDI-WH-201. EQUIPMENT EQUAL TO JOSAM #75000 OR EQUAL BY AMTROL, WADE, SIOUX CHIEF OR SMITH IS ACCEPTABLE. PROVIDE "KARP" ACCESS COVER IN WALL TO SERVICE WATER HAMMER ARRESTORS.

FIXTURE SCHEDULE:

SEE DRAWINGS.

CLEANOUTS: <S>

CLEANOUTS SHALL BE AS FOLLOWS:

FLOOR CLEANOUTS - IN FINISHED AREAS - JOSAM #5500-1-SQ WITH SQUARE NICKEL BRONZE TOP

- IN TILE FLOORS -JOSAM #5500-1-SQ
- IN CARPETED FLOORS -JOSAM #5#5500-1-SQ

WALL CLEANOUTS - JOSAM #58710 WITH STAINLESS STEEL COVERPLATE

CLEANOUTS IN EXPOSED PIPING - JOSAM #58900

EXTERIOR CLEANOUTS - JOAM # 56050 W/ROUND NICKEL BRONZE TOP

CLEANOUTS IN WATERPROOF FLOOR SHALL HAVE FLASHING FLANGE AND CLAMPING DEVICE.

CLEANOUTS IN CARPETED AREAS SHALL BE PROVIDED WITH CARPET MARKERS.

DOMESTIC WATER HEATERS: <S>

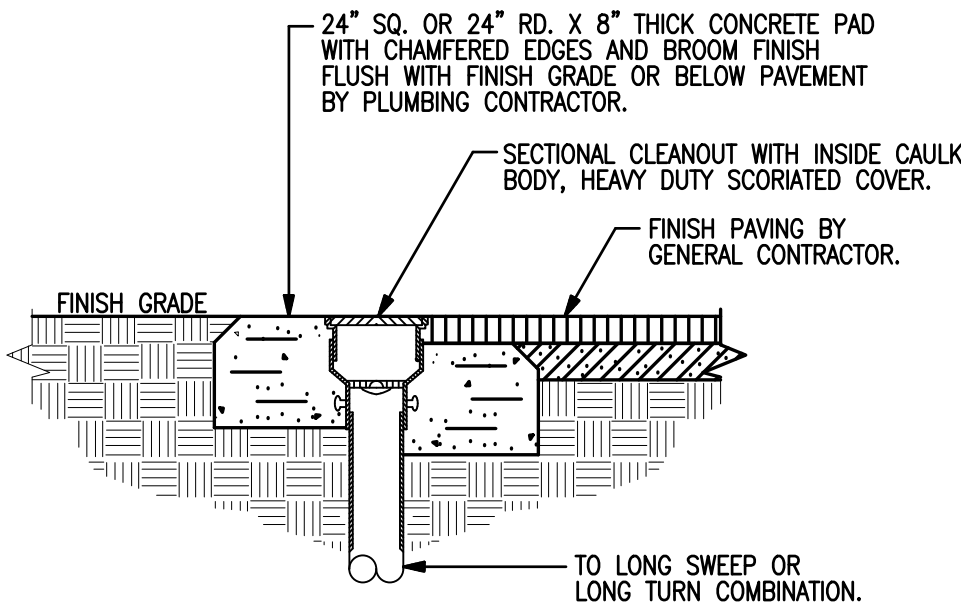
ELECTRIC WATER HEATERS SHALL BE UL LISTED AND COMPLETE WITH ALL STANDARD FEATURES, FIVE (5) YEAR TANK WARRANTY, GLASS-LINED TANK, FOAM INSULATION ON THE TANK, ANODE ROD, AUTOMATIC TEMPERATURE CONTROL, AND AUTOMATIC HIGH-LIMIT SAFETY CUTOFF.

EACH WATER HEATER SHALL BE PROVIDED WITH AN ASME AND NORTH CAROLINA APPROVED PRESSURE AND TEMPERATURE RELIEF VALVE. UNITS NOT INSTALLED WITH VACUUM BREAKER ON COLD WATER SUPPLY LINE SHALL BE PROVIDED WITH AGA CERTIFIED VACUUM RELIEF VALVE PER ANSI Z21.22. A GATE VALVE SHALL BE INSTALLED ON SAME FLOOR AS UNIT AND NO FURTHER THAN 3 FEET ON THE COLD WATER SUPPLY.

EACH WATER HEATER AND ITS INSTALLATION SHALL COMPLY WITH THE LATEST ISSUE AND ALL ADDENDA THERETO OF THE N. C. STATE BOILER INSPECTION LAWS AND REGULATIONS. ALL WIRING AND CONTROLS ASSOCIATED WITH THE HEATERS SHALL BE U.L. APPROVED AND IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.

EACH HEATER TANK SHALL BE FITTED WITH NORTH CAROLINA APPROVED "DIP" TUBE AND LABELED TO SHOW APPROVAL FOR INSTALLATION IN THE STATE OF NORTH CAROLINA.

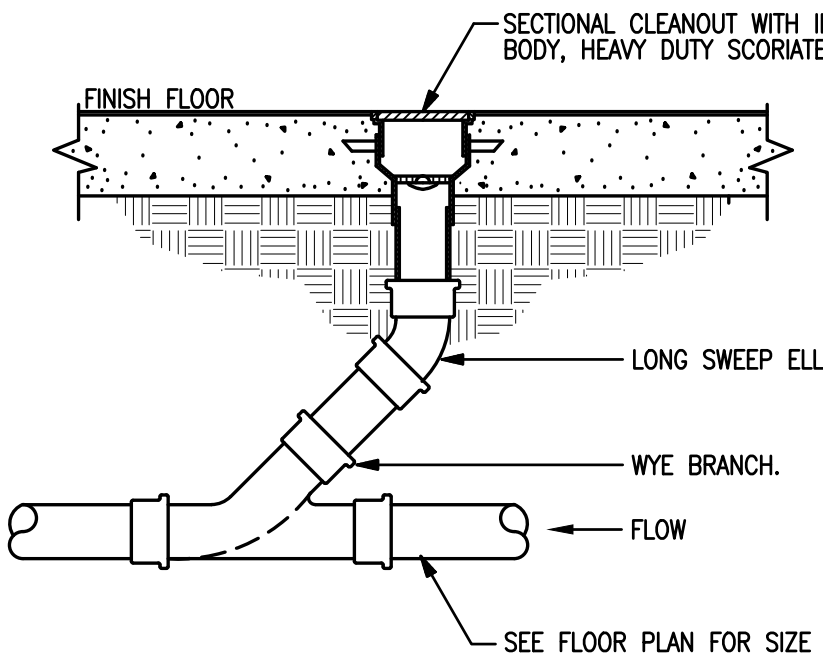
DISCHARGE RELIEF VALVE FROM EACH WATER HEATER SHALL BE PIPED FULL SIZE TO WITHIN FOUR (4) INCHES OF THE FLOOR OVER A FLOOR DRAIN, DRIP PAN OR OTHER SAFE LOCATION. DISCHARGE PIPE SHALL BE SUPPORTED AND ANCHORED SO THAT IT WILL NOT PUT UNDUE STRAIN ON THE RELIEF VALVE BODY OR MOUNTING COUPLING.



NOTE:
OMIT CONCRETE PAD IF C.O. IS SET IN CONC. SURFACE PROVIDED BY GENERAL CONTRACTOR.

A CLEANOUT AT FINISH GRADE

SCALE: NONE

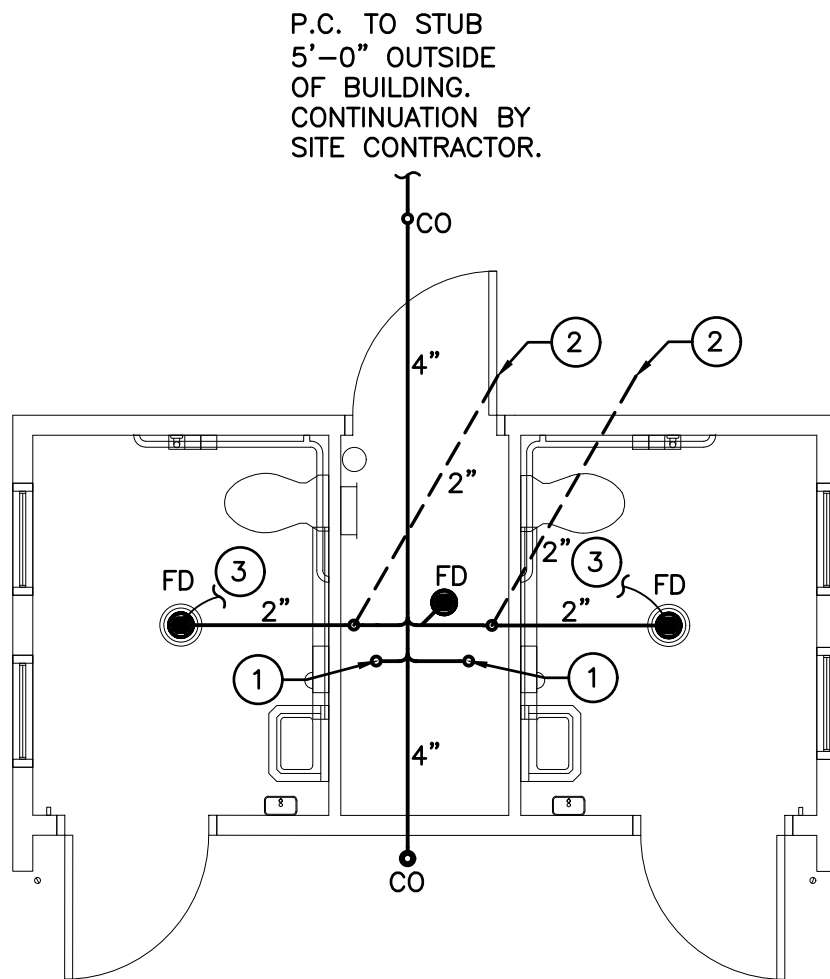


B CLEANOUT AT FINISH FLOOR

SCALE: NONE

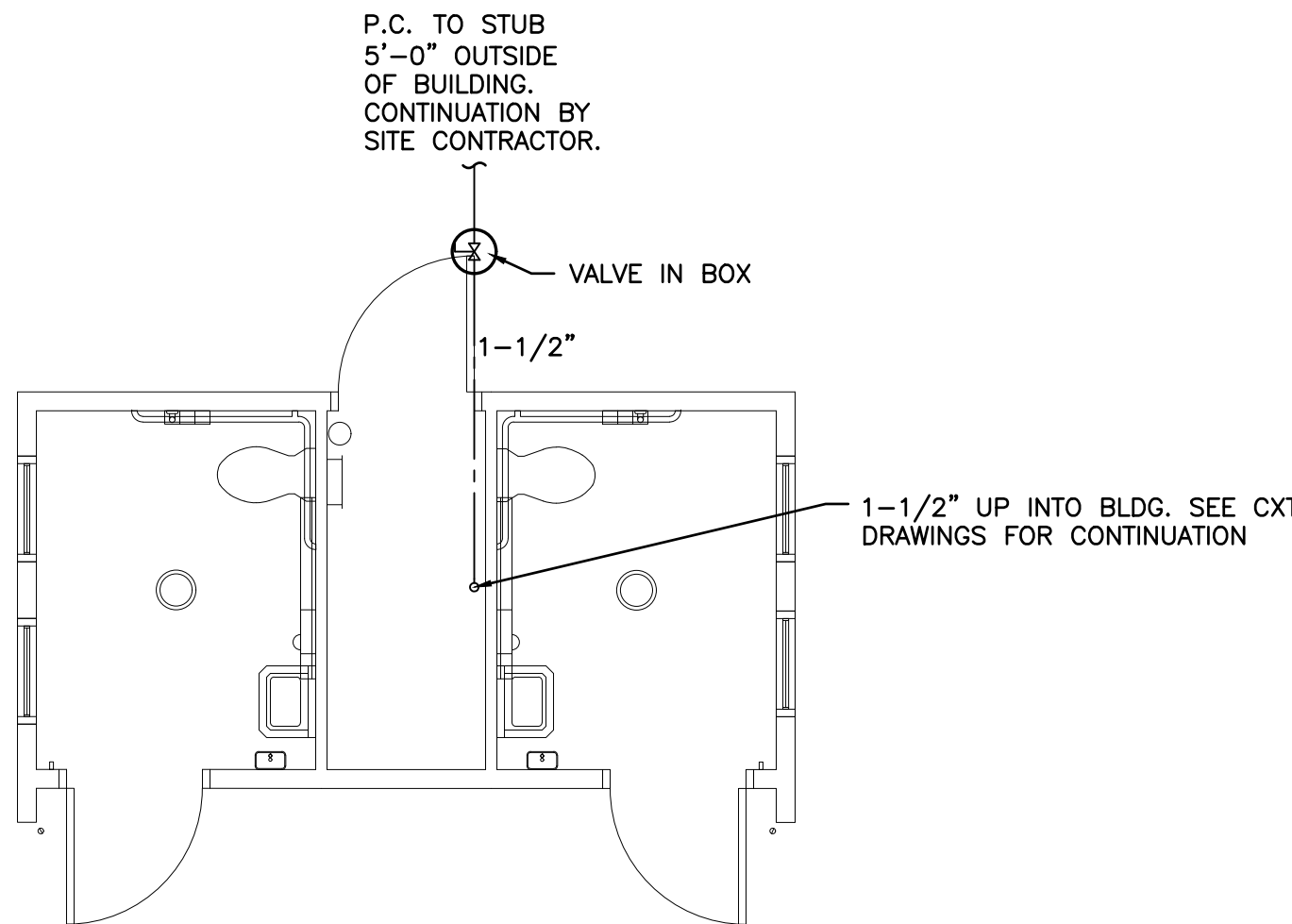
NOTES:

- 3" WASTE UP THROUGH FLOOR. SEE CXT DRAWINGS FOR ABOVE FLOOR WASTE PIPING.
- 2" VENT PIPING FOR FLOOR DRAINS. TIE INTO VENT PIPING BY CXT. SEE CXT DRAWINGS.
- WATER CONNECTION FROM TRAP PRIMER TO FLOOR DRAINS. VERIFY LOCATION FOR TRAP PRIMER BY CXT.



FLOOR PLAN - WASTE

SCALE: 1/4" = 1'-0"



FLOOR PLAN - WATER

SCALE: 1/4" = 1'-0"

PLUMBING FIXTURE SCHEDULE

NOTE: ALL FIXTURE APPURTENANCES SHALL BE SUPPLIED BY FIXTURE MANUFACTURER.

FIXTURE SYMBOL	FIXTURE TYPE	FIXTURE DESCRIPTION	CONNECTION SIZES			
			W	V	CW	HW
FD	FLOOR DRAIN	FLOOR DRAIN PROVIDED BY CXT. SEE CXT DRAWINGS.	2"	2"	1/2"	
TP	TRAP PRIMER	TRAP PRIMER VALVE WITH SPLITTER PROVIDED BY CXT. SEE CXT DRAWINGS.			1/2"	

ACCEPTABLE MANUFACTURERS:

WATER CLOSETS, URINALS, LAVATORIES - SLOAN, KOHLER, AMERICAN STANDARD, TOTO, ZURN, GERBER, CARRIERS - WADE, SMITH, ZURN, MIFAB.

SINKS - KOHLER, AMERICAN STANDARD, JUST, ELKAY, AMERICAN STANDARD, ZURN, CECO, SLOAN.

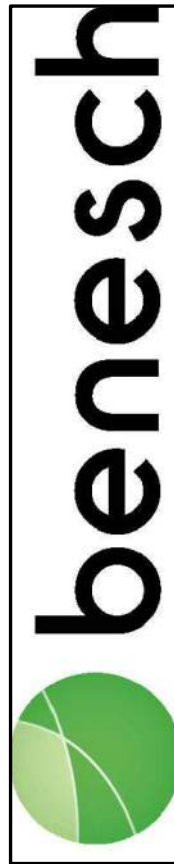
FLOOR DRAINS, ROOF DRAINS, FLOOR SINKS - WADE, SMITH, ZURN, JOSAM, SIOUX CHIEF, WATTS DRAINAGE, MIFAB.

FLUSH VALVES - SLOAN, ZURN, HYDROTEK, TOTO.

RECIRCULATION PUMP - BELL & GOSSETT, TACO, GRUNDFOS

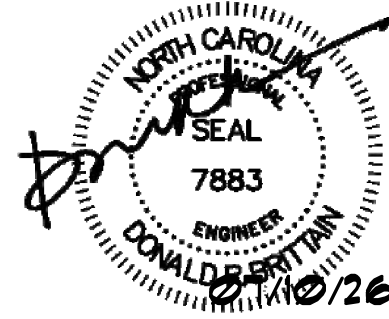
FAUCETS - DELTA, SLOAN, SYMMONS, T&S, AMERICAN STANDARD, MOEN, CHICAGO FAUCETS, ZURN.

MIXING VALVES - SYMMONS, LAWLER, WATTS, BRADLEY, POWERS.



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Atlanta, Georgia 30328
www.benesch.com
P 704.521.9880

Seals:



Miracle of Hickory Park Modifications

1515 12th Street Dr NW
Hickory, North Carolina

Project no: 1726.500007.00

Date: 07.10.26

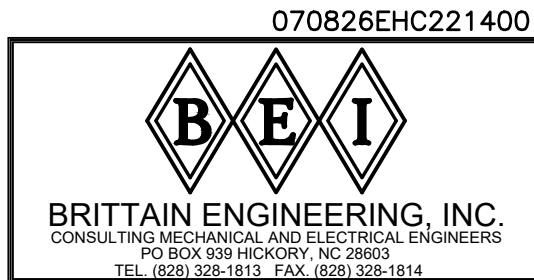
Revisions:

Sheet Title:

RESTROOM
FLOOR PLAN
PLUMBING,
SPECIFICATIONS,
SCHEDLULES

Sheet No:

P1



DETAILED ELECTRICAL SPECIFICATIONS

SCOPE: FURNISH ALL MATERIALS, LABOR, TOOLS, EQUIPMENT AND SUPERVISION NECESSARY TO INSTALL COMPLETE ELECTRICAL POWER AND LIGHTING SYSTEM IN THE BUILDING AS FURTHER DESCRIBED ON THE ELECTRICAL CONTRACT DRAWINGS.

SUPPLY ALL MATERIALS, FITTINGS AND HARDWARE NECESSARY FOR COMPLETE OPERATING SYSTEMS WITHIN THE OBVIOUS INTENT OF THE DRAWINGS. NO ATTEMPT HAS BEEN MADE TO DETAIL OR LIST EACH AND EVERY ITEM OF MATERIAL. THE ELECTRICAL CONTRACTOR IS CAUTIONED TO READ THE ENTIRE PROJECT DRAWINGS AND SPECIFICATIONS TO ASSURE HIMSELF OF A THOROUGH KNOWLEDGE OF BUILDING CONSTRUCTION, STRUCTURAL RESTRICTIONS TO ELECTRICAL CONTRACT WORK AND TO ASSURE THAT NO REFERENCE ANYWHERE IN THE PROJECT DRAWINGS AND SPECIFICATIONS TO WORK BY THE ELECTRICAL CONTRACTOR IS OVERLOOKED.

CODES, PERMITS AND INSPECTIONS: THE LATEST EDITION OF THE STATE OF NORTH CAROLINA BUILDING CODE WHICH INCLUDES THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE IS HEREBY MADE A PART OF THIS SPECIFICATION. CODE REQUIREMENTS SHALL TAKE PRECEDENCE OVER THESE SPECIFICATIONS WHERE THE CODE REQUIREMENTS EXCEED THAT OF THE SPECIFICATIONS. HOWEVER, THE SPECIFICATIONS SHALL BE FOLLOWED WHERE THEY EXCEED CODE REQUIREMENTS. THE ELECTRICAL CONTRACTOR SHALL, AT NO ADDITIONAL COST TO THE OWNER, OBTAIN THE SERVICES OF THE LOCAL ELECTRICAL INSPECTOR TO MAKE ALL REQUIRED DURING CONSTRUCTION AND COMPLETED ELECTRICAL SYSTEM INSPECTIONS.

MATERIALS AND WORKMANSHIP: ALL MATERIAL BUILT INTO THIS PROJECT SHALL BE NEW OF EQUIVALENT OR BETTER QUALITY THAN THAT SPECIFIED. SPECIFIC NAMES AND CATALOG NUMBERS USED HEREIN ARE TO ESTABLISH THE ITEM FUNCTION, ARRANGEMENT AND QUALITY REQUIRED AND IS IN NO WAY TO RESTRICT COMPETITION. ALL MATERIALS SHALL BE UL APPROVED/LABELED AND/OR BE APPROVED BY A THIRD PARTY TESTING AGENCY IN THE STATE OF NORTH CAROLINA FOR THE PARTICULAR APPLICATION AS USED ON THIS PROJECT.

CONDUCTORS: ALL CONDUCTORS SHALL BE COPPER (#10 AWG AND SMALLER SHALL BE SOLID, AND #8 AWG AND LARGER STRANDED) WITH THHN/THWN INSULATION, INSTALLED IN CONDUIT. CONDUCTORS SHALL BE #12 AWG MINIMUM EXCEPT WITHIN LIGHT FIXTURES, LOW VOLTAGE CONTROLS OR COMMUNICATION/FIRE ALARM EQUIPMENT. CONDUCTOR COLOR CODE SHALL CONFORM TO THE NEC. CONDUCTORS SHALL BE CONTINUOUS FROM TERMINAL TO TERMINAL OR PULL BOX TO PULL BOX. JOINTS SHALL BE MADE WITH IDEAL "WIRENUTS." WIRING TERMINATIONS FOR ALL ELECTRICAL EQUIPMENT SHALL BE TESTED AND APPROVED FOR USE WITH 75°C RATED CONDUCTORS.

RACEWAYS: RACEWAYS SHALL BE UL APPROVED RIGID GALVANIZED STEEL WITH THREADED JOINTS OR METALLIC TUBING (EMT) WITH THREADED STEEL HEXAGONAL COMPRESSION FITTINGS – NEITHER INDENTOR TYPE OR DIE METAL FITTING WILL BE ACCEPTED. CONDUIT UNDER THE FLOOR SLAB AND UNDER GROUND OUTSIDE THE BUILDING MAY BE PVC. FITTINGS IN EMT SHALL BE WEATHER TIGHT (THOMAS AND BETTS SERIES #5123 WITH NYLON INSULATED THROATS), BENDS SHALL BE FACTORY FABRICATED OR MADE "COLD" WITH BENDING TOOL, FREE OF KINKS OR RESTRICTIONS. NO SINGLE BEND SHALL BE IN EXCESS OF 90 DEGREES. THERE SHALL BE NO MORE THAN THE EQUIVALENT OF THREE (3) 90 DEGREE BENDS IN A GIVEN RACEWAY FROM PULL BOX TO PULL BOX. RIGID RACEWAY THREADS SHALL BE CUT STRAIGHT AND TRUE – PIPE ENDS SHALL BE REAMED AND SMOOTHED INSIDE AND OUT. SUPPORT 1-1/2 INCH AND LARGER CONDUIT 10 FEET O/C OR LESS, AND 1 INCH AND SMALLER 6 FEET O/C MAXIMUM. RACEWAYS SHALL BE SUPPORTED DIRECTLY FROM BUILDING STRUCTURE WITH BOLTS, SCREWS, STRAPS, HANGER RODS AND BRACKETS. ALL METALLIC HARDWARE SHALL BE GALVANIZED OR CADMIUM PLATED. NAILS, WIRE AND/OR PERFORATED STRAPS WILL NOT BE ACCEPTED. USE THREADED LOCKNUTS OUTSIDE AND THREADED LOCKNUT AND BUSHING INSIDE ALL RACEWAY CONNECTIONS TO BOXES, DEVICES, PANELS AND GUTTERS. USE NON-METALLIC BUSHINGS ON ALL 1-1/4 INCH AND LARGER CONDUIT. EXPOSED CONDUIT SHALL BE RUN STRAIGHT AND TRUE PARALLEL AND PERPENDICULAR TO PRIMARY BUILDING LINES.

BOXES AND DEVICES: ALL BOXES, PANELS AND EQUIPMENT SHALL BE SUPPORTED DIRECTLY FROM THE BUILDING STRUCTURE AND SHALL NOT DEPEND ON THE FEEDER RACEWAYS FOR SUPPORT. ALL ITEMS SHALL BE CAREFULLY ALIGNED SO THAT COVERS WILL FINISH FLUSH AND STRAIGHT. ALL UNUSED KNOCKOUTS SHALL BE CLOSED WITH BLANKING DEVICES. BOXES IN CONCRETE OR MASONRY SHALL BE 3-1/2 INCH DEEP (MINIMUM) SQUARE 16 GAUGE GALVANIZED STEEL – STEEL CITY SERIES GW. BOXES INSTALLED IN WOOD PARTITIONS SHALL BE STEEL CITY 3-1/2 INCH DEEP GANGABLE SQUARE CORNER TYPE. SURFACE MOUNTED BOXES SHALL BE STEEL CITY #52151 AND/OR #52171 OR EQUAL. RECEPTACLES SHALL BE PASS & SEYMOUR 5362 SERIES OR EQUAL. SWITCHES SHALL BE PASS & SEYMOUR CBS20AC SERIES OR EQUAL. COVER PLATES SHALL BE STAINLESS STEEL (COORDINATE W/ OWNER). PULL BOXES SHALL BE 14 GAUGE GALVANIZED STEEL WITH BLANK COVER SIZED AS REQUIRED BY NATIONAL ELECTRICAL CODE. LOCATE DEVICES AND EQUIPMENT ABOVE FINISHED FLOOR AS FOLLOWS UNLESS OTHERWISE SPECIFICALLY NOTED ON PLANS:

WALL SWITCHES – 4'-0" OR TO NEAREST MASONRY COURSE JOINT.

RECEPTACLES – 1'-6" OR TO NEAREST MASONRY COURSE JOINT.

LIGHT FIXTURES – AS NOTED ON FIXTURE SCHEDULE.

GROUNDING: THE ELECTRICAL SYSTEM AND ALL ELECTRICAL EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH ARTICLE 250 OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE. GREEN EQUIPMENT GROUND WIRE SHALL BE INSTALLED WITH ALL FEEDERS AND BRANCH CIRCUITS AND IT SHALL BE SIZED PER NEC 250.122. WHERE ONLY ONE GROUND ROD IS DRIVEN AS ALLOWED BY THE EXCEPTION IN NEC ARTICLE 250.53(A)(2), THE CONTRACTOR SHALL SUBMIT A TESTING REPORT SHOWING THE ROD PROVIDES A RESISTANCE OF 25 OHMS OR LESS TO THE ENGINEER.

LIGHTING FIXTURES: LIGHTING FIXTURES AND LAMPS SHALL BE PROVIDED AND INSTALLED AS PER SCHEDULE. CATALOG NUMBERS GIVEN IN THE FIXTURE SCHEDULE INDICATE THE MINIMUM QUALITY AND PERFORMANCE REQUIRED. EQUAL FIXTURES WILL BE ALLOWED ONLY UPON APPROVAL BY ENGINEER. EQUAL FIXTURES SHALL MEET THE MINIMUM QUALITY AND PERFORMANCE OF THE SPECIFIED FIXTURE. EQUAL FIXTURES BY HUBBELL, COOPER, PHILIPS OR ACUITY SHALL BE ALLOWED. ALL FIXTURES SHALL BE CLEANED ON COMPLETION OF INSTALLATION. BALLASTS AND/OR THE FIXTURE UNIT IN WHICH THEY ARE INSTALLED SHALL HAVE UL APPROVAL FOR DIRECT CONTACT MOUNTING TO COMBUSTIBLE CEILING MATERIAL. ALL FLUORESCENT FIXTURES SHALL BE SUPPLIED WITH ELECTRONIC BALLASTS AND LED FIXTURES SHALL BE SUPPLIED WITH DIMMABLE LED DRIVERS. THE FIXTURES SHALL BE COMPLETE IN ALL RESPECTS INCLUDING PLASTER RINGS WHERE REQUIRED, END PLATES AND OTHER APPURTENANCES NECESSARY FOR THE COMPLETE INSTALLATION. ALL LIGHTING FIXTURES SHALL BE SECURED TO THE CEILING STRUCTURE PER THE NEC. ADDITIONAL SUPPORT WIRES (TIE WIRES) SHALL BE INSTALLED FOR EACH LAY-IN TYPE FIXTURE. THERE SHALL BE TWO STEEL WIRES OF THE SAME TYPE AS USED TO SUPPORT THE LAY-IN CEILING TRACK. ONE WIRE AT EACH OPPOSITE CORNER OF THE FIXTURE. THE WIRES SHALL BE FASTENED TO THE BUILDING STRUCTURE. FOR FIRE RATED CEILING, FIXTURE SHALL BE SUPPORTED ON ALL FOUR CORNERS AND AS PER THE CEILING DESIGN CRITERIA, TO THE BUILDING STRUCTURE.

TESTING: CABLE INSULATION TESTING: THE CONTRACTOR SHALL MEGGER ALL BUSWAYS, CABLES AND CONTROL CONNECTIONS TO PROVE INSULATION RESISTANCE IS OF ACCEPTABLE VALUE.

EMERGENCY LIGHT TESTING: CONTRACTOR SHALL PERFORM A TEST ON EACH UNIT AFTER IT IS PERMANENTLY INSTALLED AND CHARGED FOR A MINIMUM OF 24 HOURS. BATTERY SHALL BE TESTED FOR 90 MINUTES AND IT SHALL MEET THE REQUIREMENTS OF NEC 700.12 (A). ANY UNIT WHICH FAILS THE TEST MUST BE REPAIRED OR REPLACED, AND TESTED AGAIN. A COPY OF THE TEST REPORT SHALL BE PRESENTED TO THE ENGINEER PRIOR TO FINAL INSPECTION.

TESTING DOCUMENTATION: ALL TESTS SPECIFIED SHALL BE COMPLETELY DOCUMENTED AND TURNED OVER TO THE ENGINEER WHERE REQUIRED IN THESE SPECIFICATIONS. THE TEST CERTIFICATIONS SHALL IDENTIFY THE TEST VALUES, EQUIPMENT TESTED, TIME OF DAY AND DATE OF TESTING, TEMPERATURE AT TIME OF TESTING, THE NAME OF THE ELECTRICIAN THAT CONDUCTED THE TEST, AND SIGNATURE OF PERSON RESPONSIBLE FOR THE TEST.

PANELBOARDS: PROVIDE PANELBOARDS RATED AND SIZED AS INDICATED IN THE SCHEDULE AND SHOWN ON THE PLANS EQUAL TO SQUARE D COMPANY MODEL NO UP FOR SERVICES UP TO 240 VOLTS; MODEL NF FOR SERVICES UP TO 480 VOLTS; AND "I-LINE" FOR POWER DISTRIBUTION PANELS. ALL PANELBOARDS SHALL BE SUPPLIED WITH A COPPER EQUIPMENT GROUNDING BUS. CONSTRUCTION FEATURES SHALL INCLUDE MINIMUM 5" WIDE GUTTERS, DEAD FRONT CONSTRUCTION, ELECTROPLATED COPPER CURRENT CARRYING PARTS; UL LISTED TERMINALS SUITABLE FOR CONDUCTORS SPECIFIED; FLUSH FRONT HINGED "DOOR IN DOOR" WITH CYLINDER TUMBLER TYPE LOCKS (ALL KEYS ALIKE); CIRCUIT DIRECTORY AND FRAME, CODE GAUGE STEEL, GALVANIZED AND BAKED ENAMEL FINISHED. CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE QOB (NO PANELBOARDS), TYPE EDB (NF PANELBOARDS), AND TYPE FA AND FH (I-LINE PANELBOARDS). BREAKERS SHALL BE TOGGLE ACTION WITH QUICK-MAKE, QUICK-BREAK MECHANISM. TRIP INDICATION SHALL BE BY BREAKER HANDLE TAKING A POSITION BETWEEN ON AND OFF. ALL MULTI-POLE BREAKERS SHALL BE COMMON TRIP WITH A SINGLE HANDLE. ACCEPTABLE MANUFACTURERS: SQUARE D, GENERAL ELECTRIC, SIEMENS, CUTLER-HAMMER.

SAFETY SWITCHES: SWITCHES SHALL BE EQUAL TO SQUARE D TYPE HD WITH RATINGS AND FUSING PROVISIONS AS INDICATED.

IDENTIFICATION AND NAMEPLATES: PROVIDE ENGRAVED, LAMINATED BAKELITE (WHITE LETTERS ON BLACK SURFACE) NAMEPLATES SCREWED TO EACH PIECE OF ELECTRICAL DISTRIBUTION EQUIPMENT AS FOLLOWS:

A. PANELBOARDS, SWITCHBOARDS – DESIGNATION L1, P1, ETC., VOLTAGE, PHASE NUMBER OF WIRES, ETC.; WORDING EXAMPLE: PANEL L1-208V-3 PHASE, 4 WIRE.

B. MOTOR STARTERS, DISCONNECT SWITCHES – UNLESS MOUNTED DIRECTLY ON OR ADJACENT TO IDENTIFY EQUIPMENT: WORDING EXAMPLE: EXHAUST FAN 1, MAKE-UP AIR UNIT.

PROVIDE TYPED DIRECTORIES FOR PANELBOARD BRANCH CIRCUIT IDENTIFICATION. IDENTIFY EACH CIRCUIT BREAKER AS TO THE EXACT ROOM NUMBERS OR AREA SERVED AND THE TYPE OF CIRCUIT, I.E. "ROOMS 101-104 LIGHTS" OR "CAFETERIA EXHAUST FAN". PROVIDE ALL ADDITIONAL LABELING AS REQUIRED BY NEC ARTICLES 110.16 (ARC FLASH HAZARD) & 110.24 (AVAILABLE FAULT CURRENT).

EQUIPMENT CONNECTIONS: THIS CONTRACTOR SHALL BRING ALL REQUIRED ELECTRICAL SERVICE TO ALL EQUIPMENT ITEMS FURNISHED UNDER OTHER SECTIONS OF THESE SPECIFICATIONS OR BY THE OWNER, MAKE FINAL CONNECTIONS, AND LEAVE EQUIPMENT READY FOR OPERATION. THIS CONTRACTOR SHALL COORDINATE WITH ANY AFFECTED TRADE TO ASSURE CORRECT OPERATION OF THE EQUIPMENT ITEM.

CONTROL AND INTERLOCK WIRING: EXCEPT AS OTHERWISE INDICATED ON THE DRAWINGS, ALL CONTROL AND INTERLOCK WIRING SHALL BE PERFORMED BY THE RESPECTIVE CONTRACTORS. THE ELECTRICAL SUBCONTRACTOR SHALL INSTALL ALL STARTERS, PILOT SWITCHES, CONTROL DEVICES AND MISCELLANEOUS ITEMS OF ELECTRICAL EQUIPMENT FURNISHED UNDER OTHER SECTIONS OF THESE SPECIFICATIONS THAT ARE NOT INTEGRALLY MOUNTED WITH THEIR ASSOCIATED EQUIPMENT.

SERVICE: THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SERVICE WITH THE UTILITY COMPANY. ALL CHARGES ASSOCIATED WITH SERVICE SHALL BE PAID BY THE E.C. PROVIDE UTILITY REQUIRED METERING PROVISIONS. PROVIDE CT CAN OR CONCRETE PAD FOR TRANSFORMER AS REQUIRED. PROVIDE CONDUIT FOR UTILITY PRIMARY IF REQUIRED. EC SHALL WORK DIRECTLY WITH THE UTILITY AND SHALL COMPLETE AND SUBMIT ALL LOAD DATA SHEETS REQUIRED FOR SERVICE APPLICATION. WHERE A NEW SERVICE IS NOT REQUIRED, BUT LOADS ARE ADDED TO AN EXISTING SERVICE, E.C. SHALL NOTIFY UTILITY OF ADDITIONAL LOADS. E.C. SHALL PROVIDE THIS INFORMATION AT BEGINNING OF PROJECT TO ALLOW TIME FOR A TRANSFORMER CHANGE OUT IF NECESSARY.

VIBRATION ISOLATION AND SEISMIC RESTRAINT: ALL EQUIPMENT AND CONDUIT FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE SEISMICALLY RESTRAINED BY CHAPTER 16 OF THE INTERNATIONAL BUILDING CODE, VOL. 1 – GENERAL CONSTRUCTION.

SUBMITTALS: SHOP DRAWING SUBMITTALS WILL BE REQUIRED FOR THIS PROJECT. SUBMIT ELECTRONIC COPIES OF ALL LIGHT FIXTURES AND MAJOR SPECIFIED EQUIPMENT TO THE ENGINEER FOR APPROVAL. THE ELECTRICAL CONTRACTOR SHALL REVIEW ALL SUBMITTALS AND MAKE CORRECTIONS AS REQUIRED PRIOR TO SUBMITTING TO ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL ALSO AFFIX HIS STAMP TO THE SUBMITTALS INDICATING THAT HIS REVIEW HAS BEEN COMPLETED. IT IS UNDERSTOOD THAT PROOF OF EQUALITY IS THE RESPONSIBILITY OF THE CONTRACTOR AND/OR SUPPLIER AND THAT IT IS NOT THE RESPONSIBILITY OF THE ENGINEER TO PROVE THE INEQUALITY OF THE PROPOSED SUBSTITUTIONS. FURTHERMORE THE DECISION OF THE ENGINEER IS FINAL. SHOULD ANY SUBSTITUTE ITEMS BE SUBMITTED AND DISAPPROVED, THEN THOSE ITEMS MUST BE FURNISHED EXACTLY AS DESCRIBED HEREIN. THE ENGINEER'S REVIEW OF SHOP DRAWINGS AND/OR SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR DEVIATIONS FROM THE CONTRACT DRAWINGS OR SPECIFICATIONS.

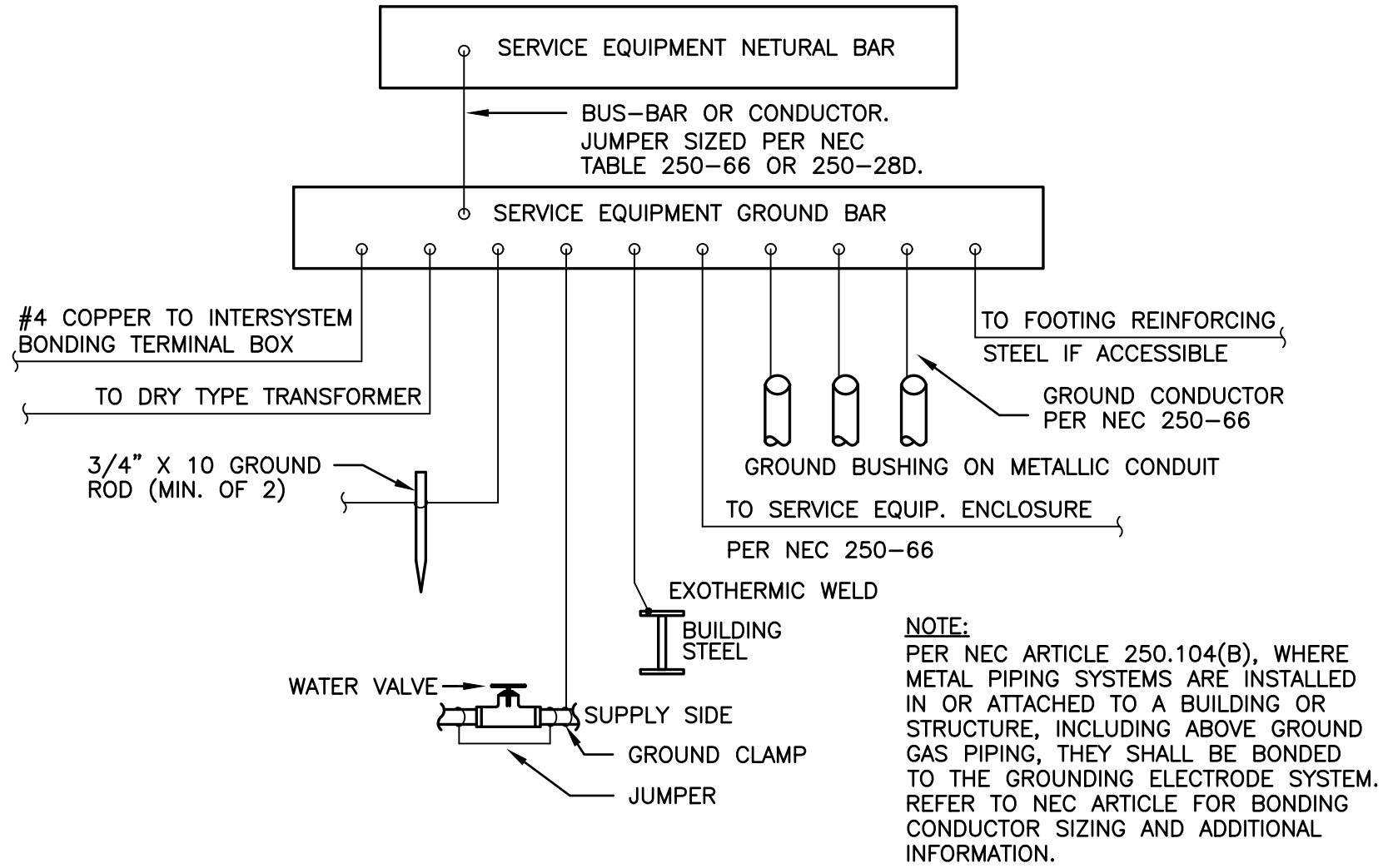
PROJECT CLOSE-OUT: DEMONSTRATION OF COMPLETE ELECTRICAL SYSTEMS: AFTER INSTALLATION HAS BEEN COMPLETED, EQUIPMENT HAS BEEN TESTED, SYSTEMS PLACED IN PERMANENT OPERATION, AND ALL ADJUSTMENTS MADE, THIS CONTRACTOR SHALL DEMONSTRATE THE PROPER OPERATION AND MAINTENANCE OF ALL EQUIPMENT HE HAS INSTALLED TO THE OWNER'S REPRESENTATIVE.

OPERATING AND MAINTENANCE MANUALS: THIS CONTRACTOR SHALL PROVIDE THE OWNER WITH A SET OF OPERATION AND MAINTENANCE MANUALS FOR THE EQUIPMENT HE HAS PROVIDED AND INSTALLED ON THE PROJECT. THE FIRST PAGE OF THE MANUALS SHALL IDENTIFY PROJECT AND GIVE NAME, ADDRESS AND PHONE NUMBER OF ARCHITECT, ENGINEER, MECHANICAL AND ELECTRICAL SUB-CRONTACTORS AND ANY SERVICE COMPANIES INVOLVED AND GIVE NAME AND NIGHT PHONE NUMBERS OF EACH PARTY REPRESENTING THE ELECTRICAL CONTRACTOR RESPONSIBLE FOR SERVICE DURING WARRANTY PERIOD.

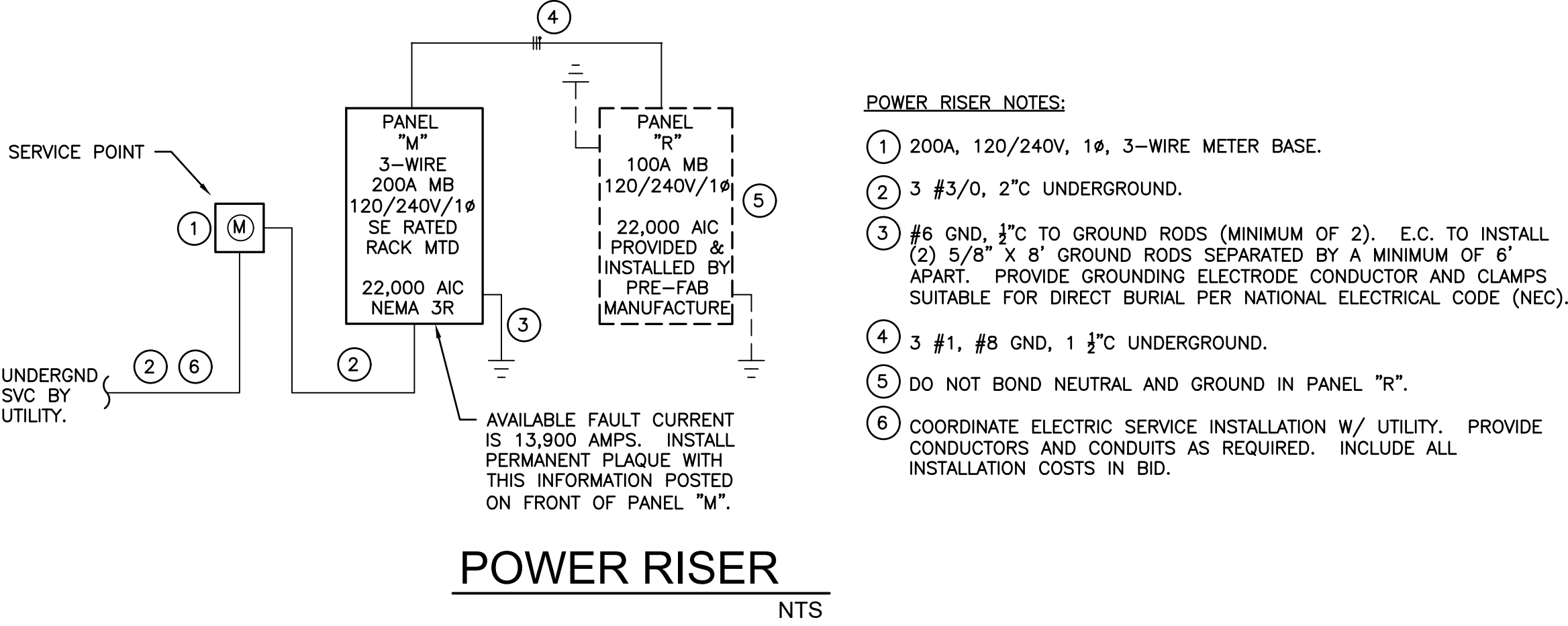
WARRANTIES / GUARANTEE: THIS CONTRACTOR SHALL DELIVER TO THE OWNER ALL WARRANTIES FOR EQUIPMENT HE HAS PURCHASED AND INSTALLED. THIS CONTRACTOR SHALL ALSO GUARANTEE THAT ALL WORK PERFORMED AND/OR MATERIALS INSTALLED UNDER HIS CONTRACT IS OF THE QUALITY THAT COMPLIES WITH ALL SPECIFIC REQUIREMENTS OF THE PROJECT DOCUMENTS AND INSURES THE OWNER AGAINST ALL DEFECTS OF MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE.

FINAL CLEAN UP: DURING CONSTRUCTION THIS CONTRACTOR SHALL KEEP THE SITE CLEAR OF DEBRIS AND UPON COMPLETION OF CONSTRUCTION HE SHALL CLEAN UP THE PREMISES AND REMOVE ALL EVIDENCE OF HIS WORK.

RECORD DRAWINGS: AT THE END OF THE PROJECT, THE CONTRACTOR SHALL SUBMIT ONE SET OF THE ELECTRICAL DRAWINGS, UPDATED TO REFLECT CHANGES THAT HAVE TAKEN PLACE DURING THE CONSTRUCTION PERIOD, TO THE OWNER FOR THEIR USE. THE CORRECTED PLANS SHALL INDICATE ALL CHANGES AND DEVIATIONS FROM THE ORIGINAL CONTRACT DOCUMENTS.

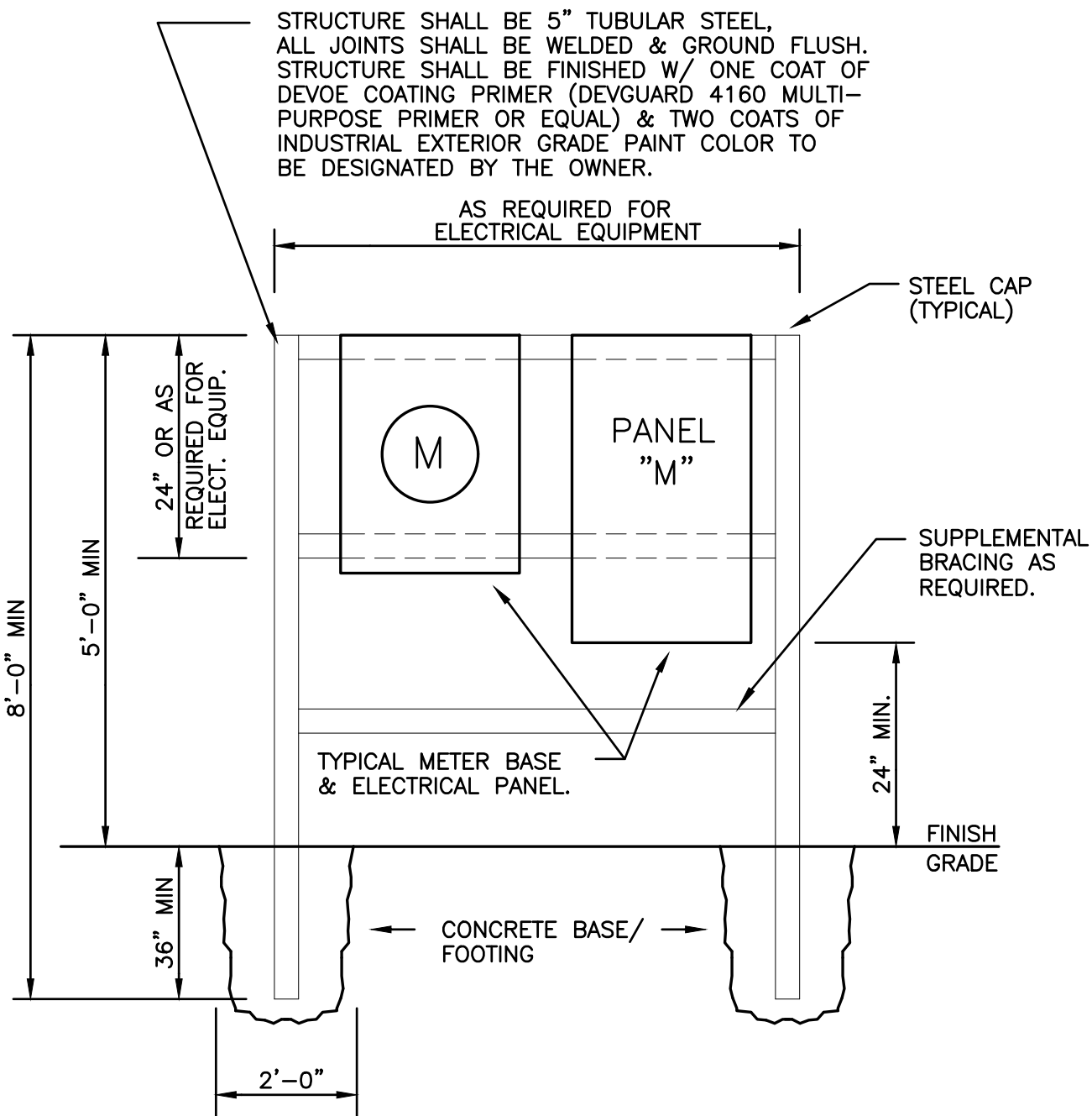


SERVICE EQUIPMENT GROUNDING DETAIL NTS



- POWER RISER NOTES:
- 1 200A, 120/240V, 1Ø, 3-WIRE METER BASE.
 - 2 3 #3/0, 2" UNDERGROUND.
 - 3 #6 GND, 1" TO GROUND RODS (MINIMUM OF 2). E.C. TO INSTALL (2) 5/8" X 8' GROUND RODS SEPARATED BY A MINIMUM OF 6' APART. PROVIDE GROUNDING ELECTRODE CONDUCTOR AND CLAMPS SUITABLE FOR DIRECT BURIAL PER NATIONAL ELECTRICAL CODE (NEC).
 - 4 3 #1, #8 GND, 1 1/2" UNDERGROUND.
 - 5 DO NOT BOND NEUTRAL AND GROUND IN PANEL "R".
 - 6 COORDINATE ELECTRIC SERVICE INSTALLATION W/ UTILITY. PROVIDE CONDUCTORS AND CONDUITS AS REQUIRED. INCLUDE ALL INSTALLATION COSTS IN BID.

POWER RISER NTS

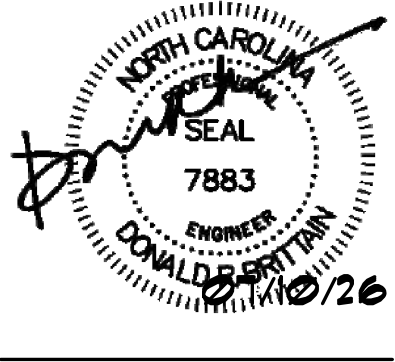


PANEL "M" ELECTRICAL SERVICE EQUIPMENT STRUCTURE DETAIL NTS

ELECTRICAL SYSTEM AND EQUIPMENT	
METHOD OF COMPLIANCE:	
Energy Code: Prescriptive ☒ Performance _____	
ASHRAE 90.1: Prescriptive _____ Performance _____	
Lighting schedule	
lamp type required in fixture _____	See Fixture Schedule
number of lamps in fixture _____	See Fixture Schedule
ballast type used in the fixture _____	See Fixture Schedule
number of ballasts in fixture _____	See Fixture Schedule
total wattage per fixture _____	See Fixture Schedule
total interior wattage specified vs allowed _____	N/A
total exterior wattage specified vs allowed _____	N/A
Additional Prescriptive Compliance	
C406.2 More Efficient Mechanical Equipment _____	
C406.3 Reduced Lighting Power Density _____	☒
C406.4 Enhanced Lighting Controls _____	
C406.5 On-Site Supply of Renewable Energy _____	
C406.6 Dedicated Outdoor Air System _____	
C406.7 High-Efficiency Service Water Heating _____	



Seals:



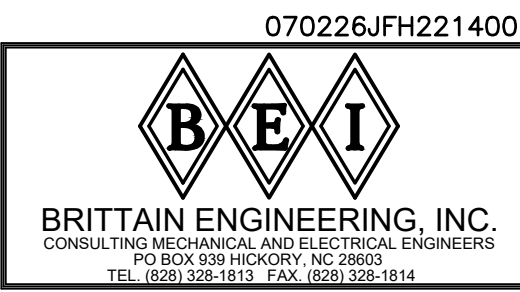
Miracle of Hickory Park Modifications

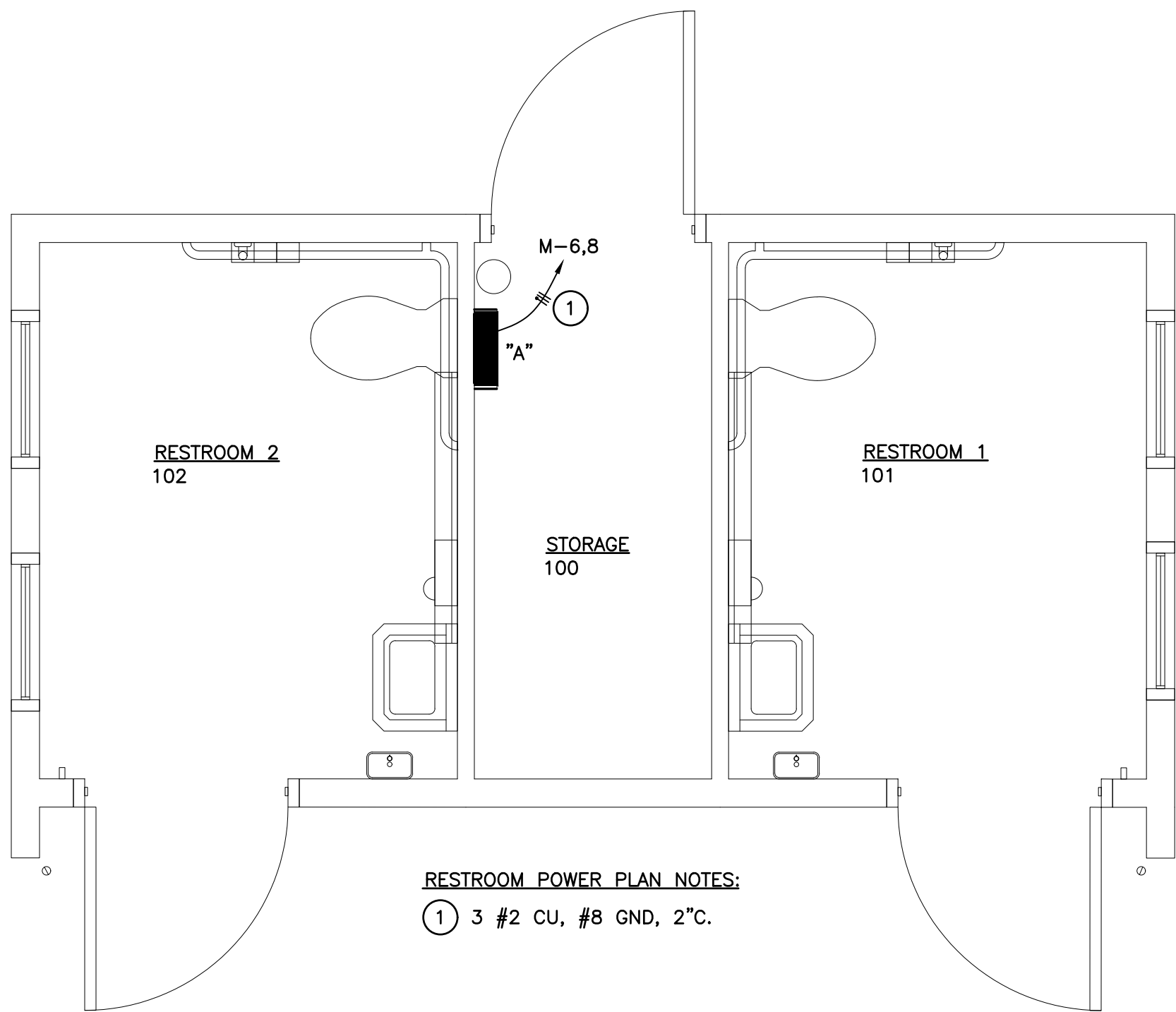
1515 12th Street Dr NW
Hickory, North Carolina

Project no: 1726.500007.00
Date: 07.10.26
Revisions:

Sheet Title:
SPECIFICATIONS
SCHEDULES
APPENDIX B

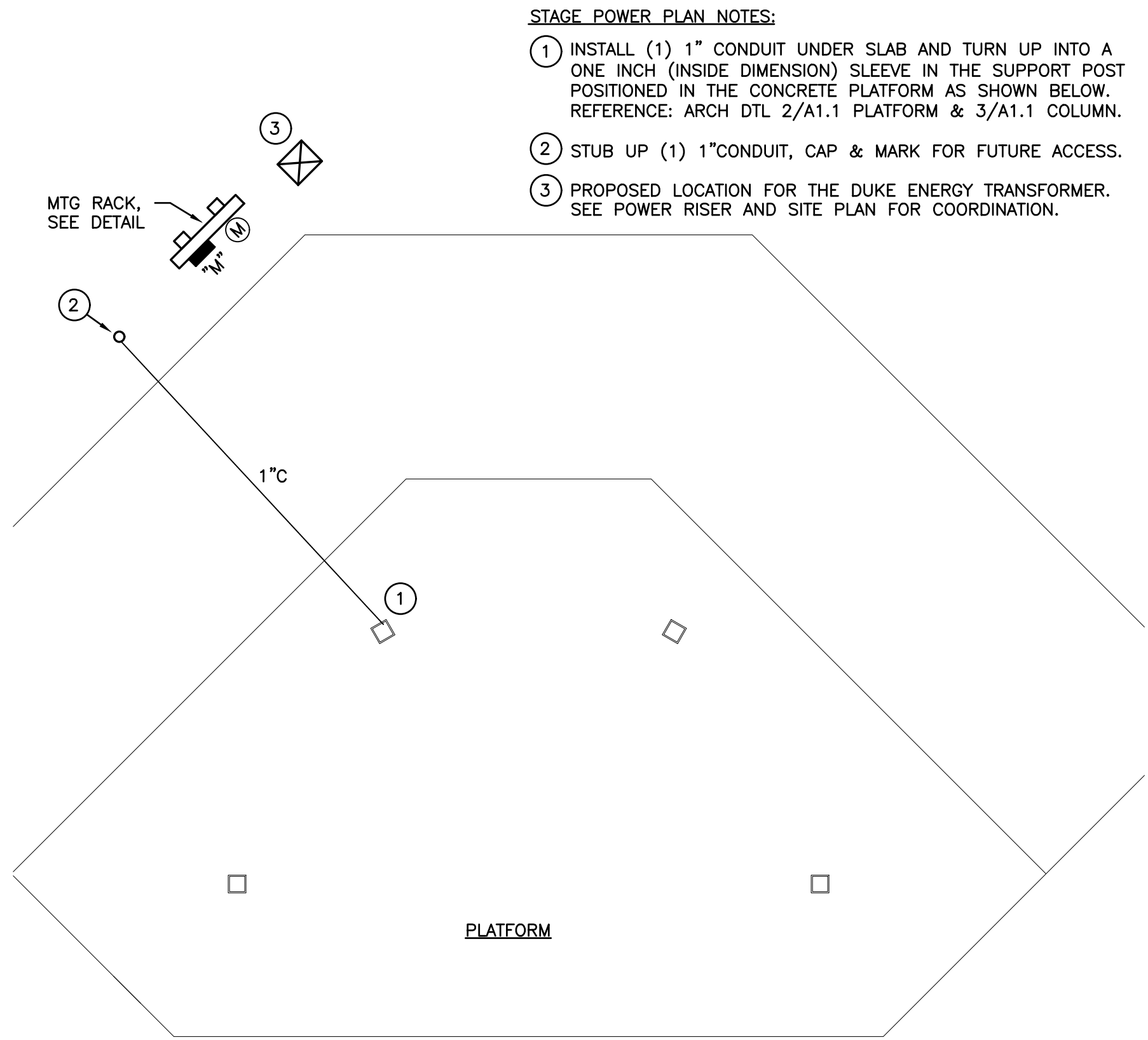
Sheet No:
E1





RESTROOM
FLOOR PLAN - POWER

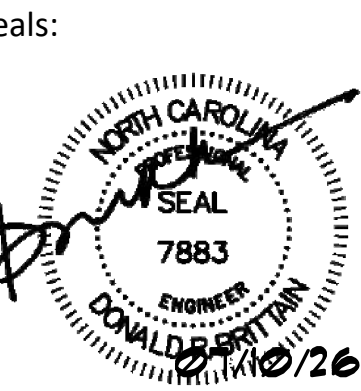
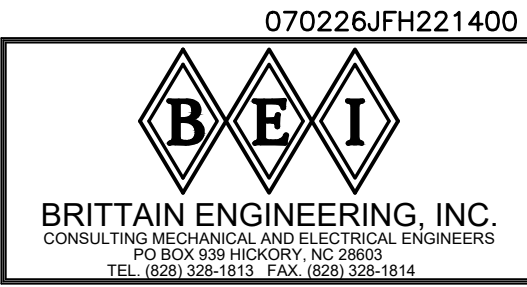
SCALE: 1/2" = 1'-0"



STAGE
FLOOR PLAN - POWER

SCALE: 1/4" = 1'-0"

- STAGE POWER PLAN NOTES:
1. INSTALL (1) 1" CONDUIT UNDER SLAB AND TURN UP INTO A ONE INCH (INSIDE DIMENSION) SLEEVE IN THE SUPPORT POST POSITIONED IN THE CONCRETE PLATFORM AS SHOWN BELOW. REFERENCE: ARCH DTL 2/A1.1 PLATFORM & 3/A1.1 COLUMN.
 2. STUB UP (1) 1"CONDUIT, CAP & MARK FOR FUTURE ACCESS.
 3. PROPOSED LOCATION FOR THE DUKE ENERGY TRANSFORMER. SEE POWER RISER AND SITE PLAN FOR COORDINATION.



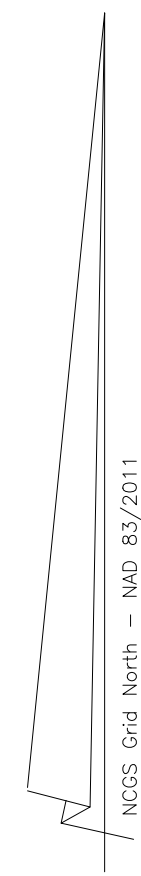
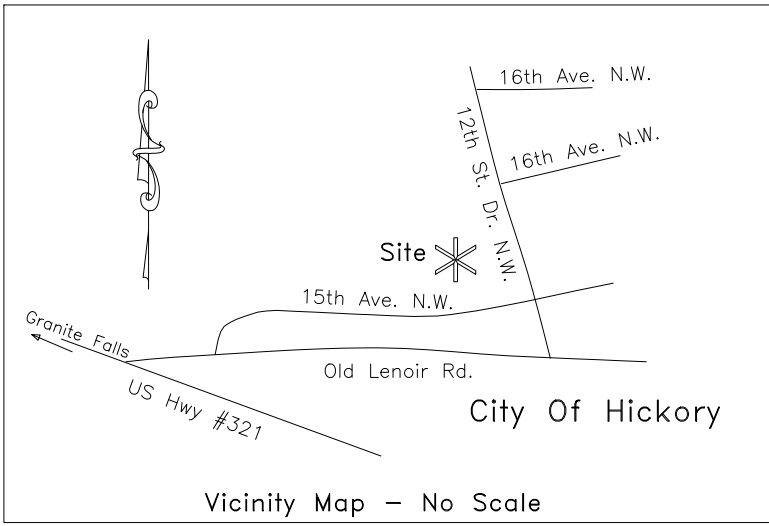
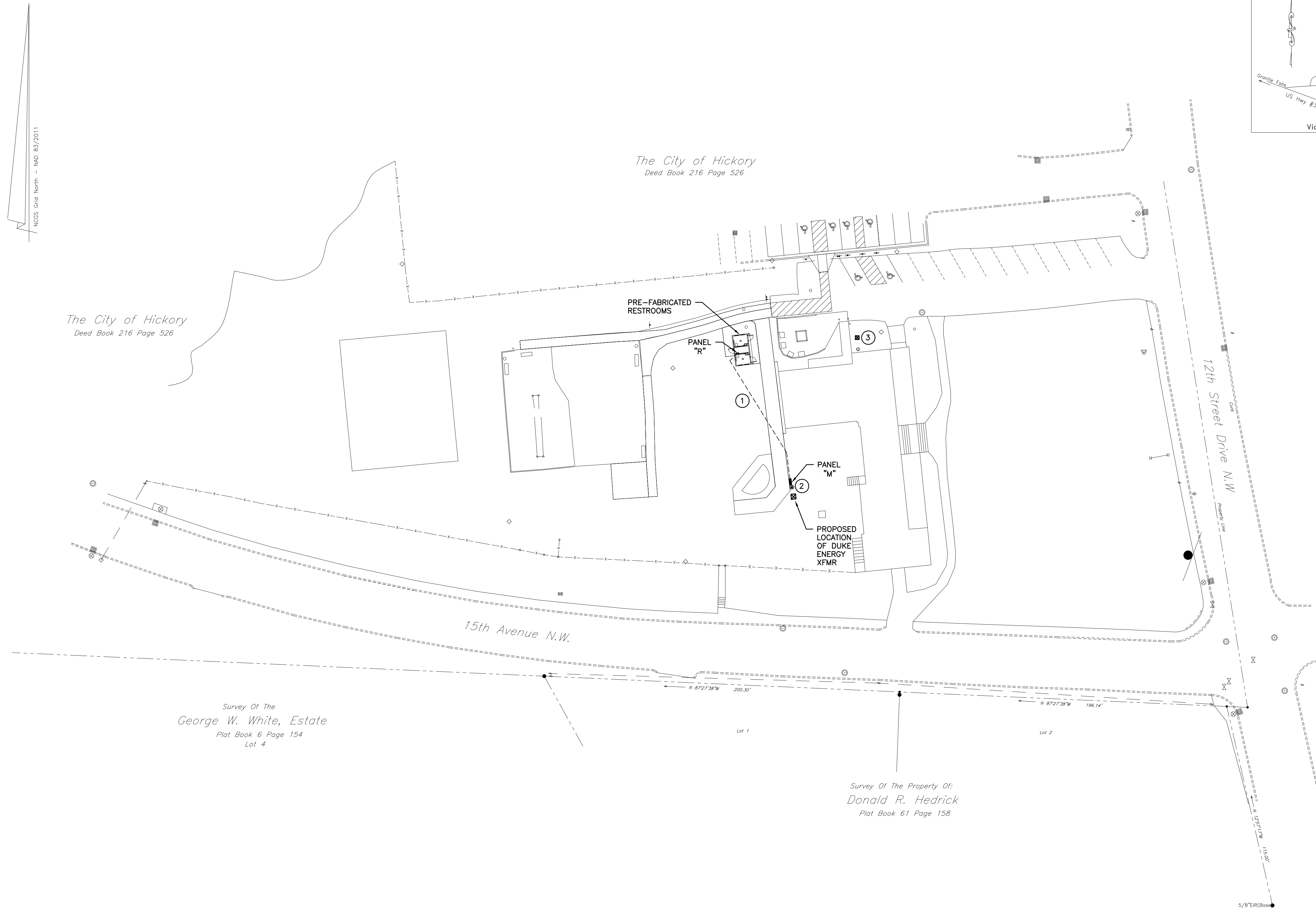
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Project no: 1726.500007.00
Date: 07.10.26
Revisions:

Sheet Title:
RESTROOM &
STAGE
FLOOR PLAN
ELECTRICAL

Sheet No:
E2

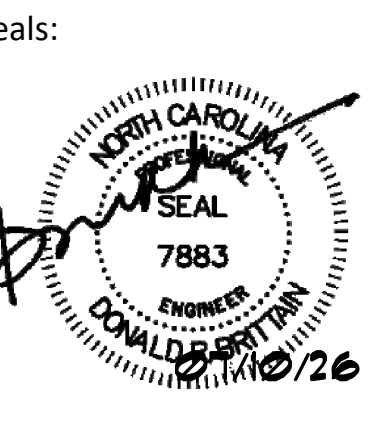
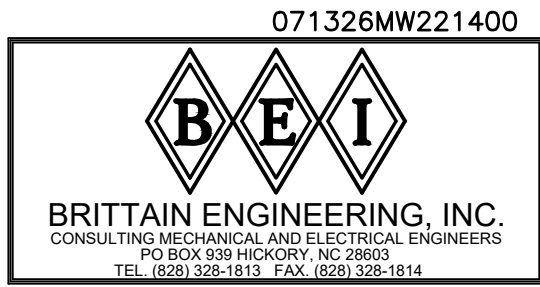


Survey Of The
George W. White, Estate
Plat Book 6 Page 154
Lot 4

Survey Of The Property Of:
Donald R. Hedrick
Plat Book 61 Page 158

- SITE PLAN NOTES:**
- ① 3 #1, #8 GND, 2" C. UNDERGROUND.
 - ② RACK MOUNTED SE PANEL "M" & DUKE ENERGY METER.
 - ③ EXISTING 25KVA/240V/1Ø TRANSFORMER SERVING HOUSE. TRANSFORMER SHOWN FOR REFERENCE ONLY.

SITE PLAN - ELECTRICAL
SCALE: 1" = 30'-0"



**Miracle of Hickory Park
Modifications**
1515 12th Street Dr NW
Hickory, North Carolina

Project no: 1726.500007.00
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Revisions:

Sheet Title:
**SITE PLAN
ELECTRICAL**

Sheet No:
E3