

Project:	2114TN
Initial Issue Date:	11/08/2021
Revision Date:	
Page:	1 of 3

ATTACHMENTS:

Flow Test

DRAWING NO.

DESCRIPTION OF CHANGES

CIVIL	
C1.4	Revised Note - Ex. water line to be abandoned
C2.0	Added scale bar
C2.3	Scale note changed to 1"=60'; Added scale bar
C3.0	Added scale bar
C3.4	Scale note changed to 1"=100'; Added scale bar
C3.5	Changed scale bar to 20 scale
C3.6	Changed scale bar to 20 scale
C3.7	Changed scale bar to 20 scale
C3.8	Changed scale bar to 20 scale
C3.9	Changed scale bar to 20 scale
C3.10	Changed scale bar to 20 scale
C3.11	Changed scale bar to 20 scale
C5.0	Added scale bar
C5.1	Added scale bar
C5.2	Added scale bar
C5.3	Added scale bar
C5.4	Added scale bar
UG1.0	Added hydrant flow test information; Re-configure domestic and fire water piping.
UG2.0	Water meter vault removed in its entirety
STRUCTURAL	
S0.1B	Revised note 3100.02 to include 3,000 PSI mix.
S0.1R	Revised note 3100.02 to include 3,000 PSI mix; Added section 12
	Added section 12/S0.1R to interior rail foundation; Added section 9/S0.1R to exterior rail

<u>050000 - METALS</u>

S1.1R

S3.1B

1. Are the 1.5" pipe operable lock gates at platforms to be provided within this scope? Yes

Changed note on section 7 to read "1/2 plate"

2. Section 8/S1.4B shows 1" grating at trench. All other trenches have plate covers. Is this supposed to be 1" plate or grating as drawn? All cover plates or grating will be provided by equipment vendor for interior blast area

083323 - OVERHEAD DOORS

1. All overhead doors to have motor operators.

foundation



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210000 - FIRE PROTECTION

- 1. Has a preliminary water flow test been done to determine supply? See attachment for test locations and flow rates. Static: 55 psi; Residual: 48 psi.
- 2. Will a fire pump be required? Only if required based on the demands given and water information provided above.
- 3. FP1.1 indicates hazards for specific areas, but most of the building is not assigned, please advise. Refer to general code information drawings GC1.1B, GC1.1R
- 4. Who is the insurance carrier? Unknown currently.
- 5. Will schedule 10 piping be allowed? Yes
- 6. Will the paint booths come with pre-piped systems? No, the paint booths will require piping and heads.
- 7. Will the paint booths require a deluge system? Not required.
- 8. Will protection be required for any exterior projections? No
- 9. The FP drawing show 2 lead ins but the civil on show 1, please advise. Quantity of lead-ins to be determined by design requirements and most economical solution.
- 10. Do you have any contact info with the water department? Before I called about the meter, flow test and connection fees I wanted to make sure I talked to someone familiar with this project, if there was anybody. The city is aware of the project and may be contacted for more information.
- 11. Are we supposed to sprinkle any of the dust collectors? No

230000 - MECHANICAL

- 1. Who installs the equipment provided by the dust collector vendor and the paint booth vendor? Equipment shown but not listed in the mechanical drawings will be furnished and installed by the equipment vendor.
- 2. Regarding the drops listed in the table on M3.1B, are we to make all final connections to owner equipment, or do we need to figure the drops with valves, and for owner equipment, the owner will make final connections (LPZ Lift, Dust Collectors, paint pumps, blast equipment, etc.)? Mechanical contractor to make final connections at all locations except for the paint pumps (Item 10). These will stop with a valve and final connections will be made by the owner.

<u> 260000 – ELECTRICAL</u>

1. Electrical contractor to provide three (3) empty 4" conduits from transformer location shown to a new riser pole on the west side of North Park Road.

310000 - EARTHWORK

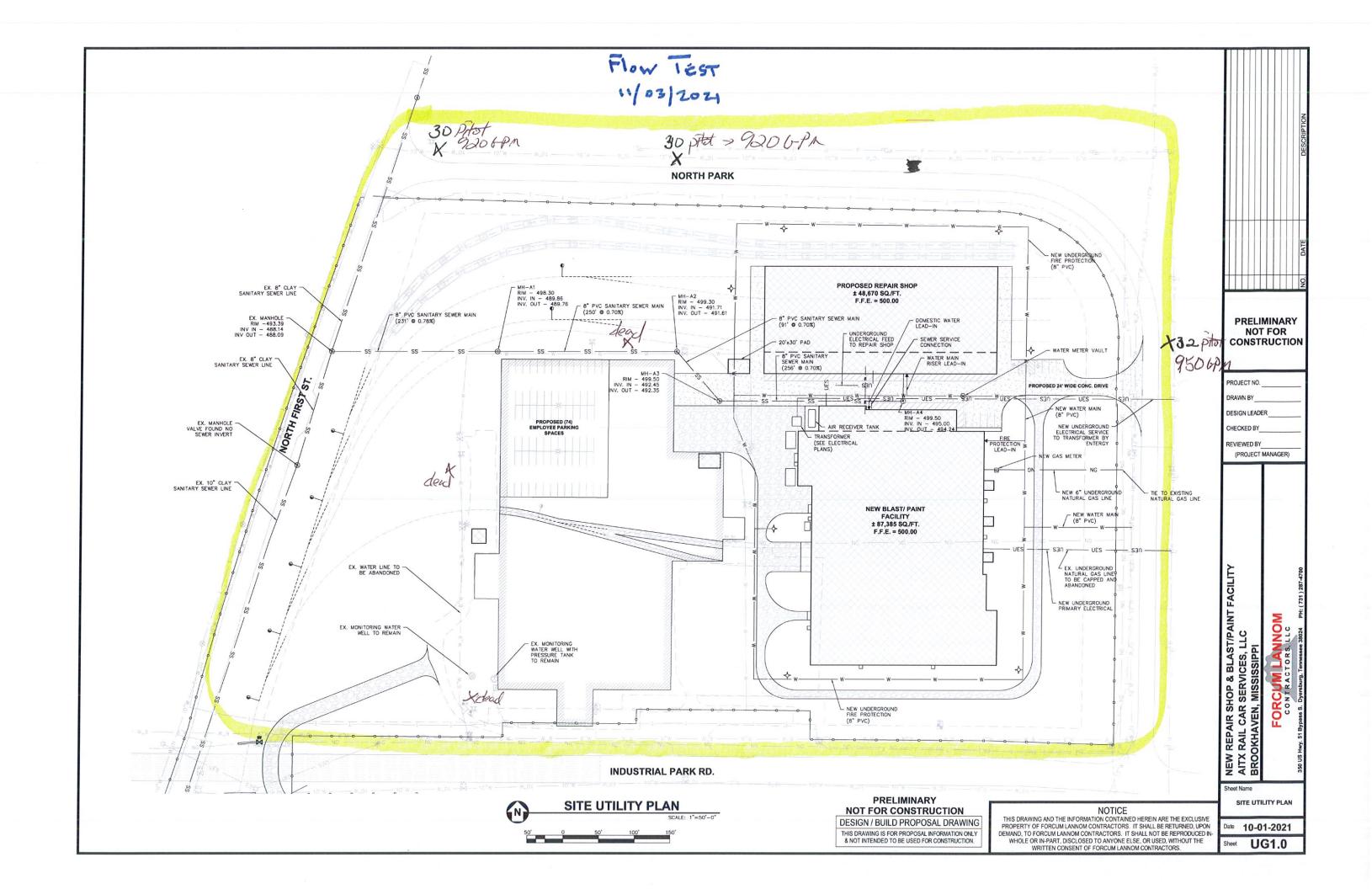
- 1. CAD files are available upon request for grading.
- 2. Base materials clarification:
 - a. Gravel paving clay gravel is acceptable.
 - b. Building pad clay gravel is acceptable.
 - c. Rail sub ballast clay gravel is acceptable.
 - d. Gravel base under concrete paving 610 limestone or equivalent crushed concrete is required.

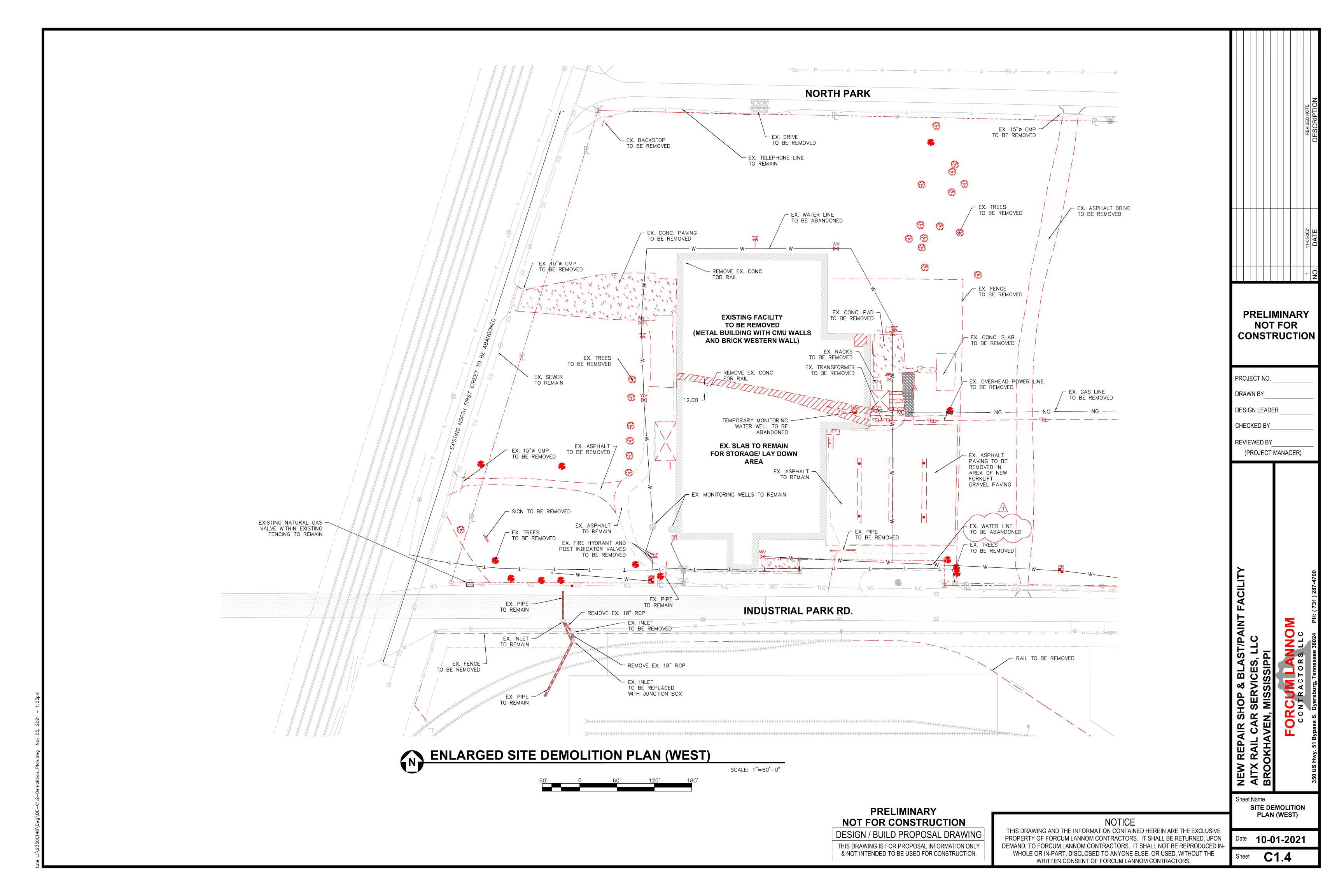


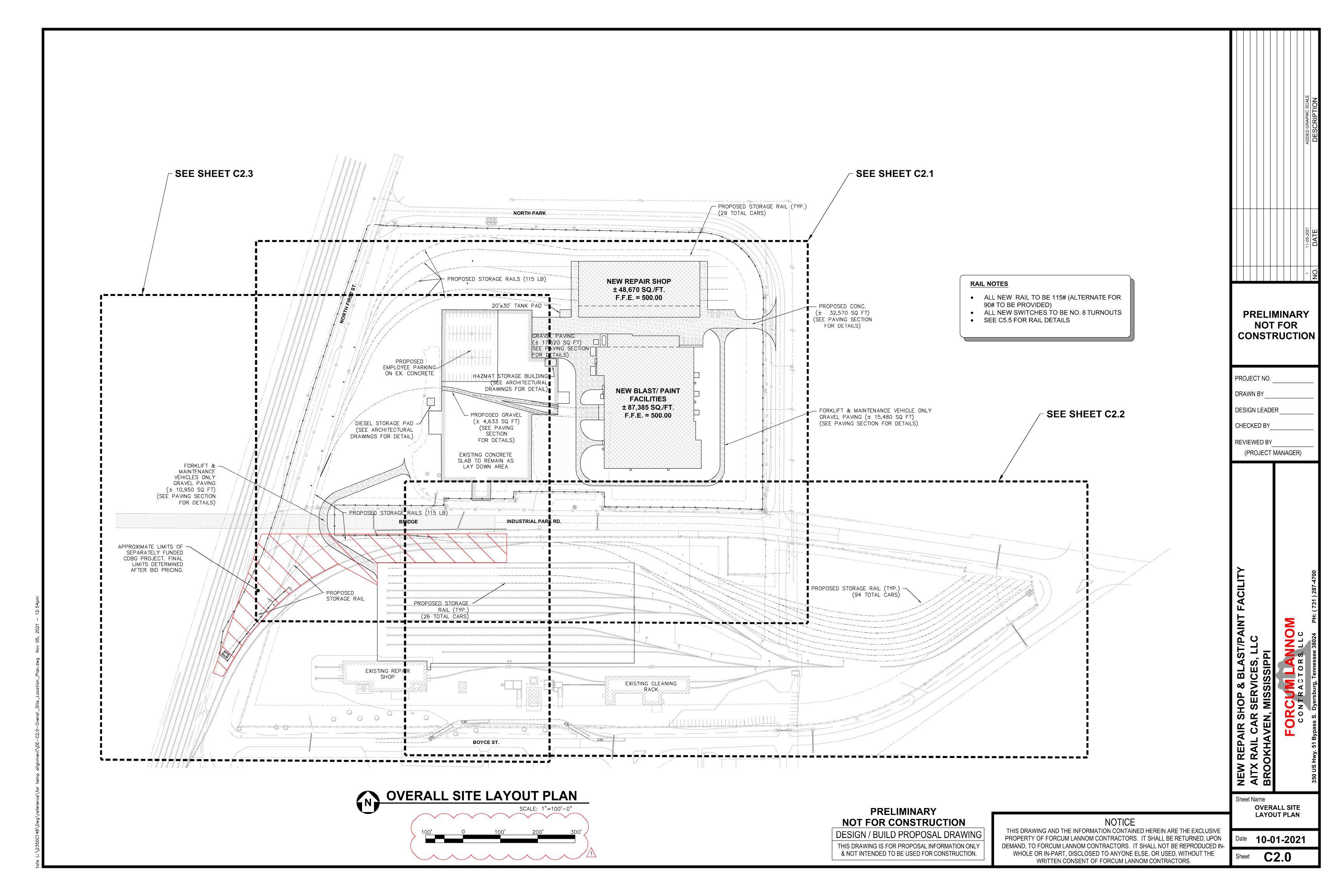
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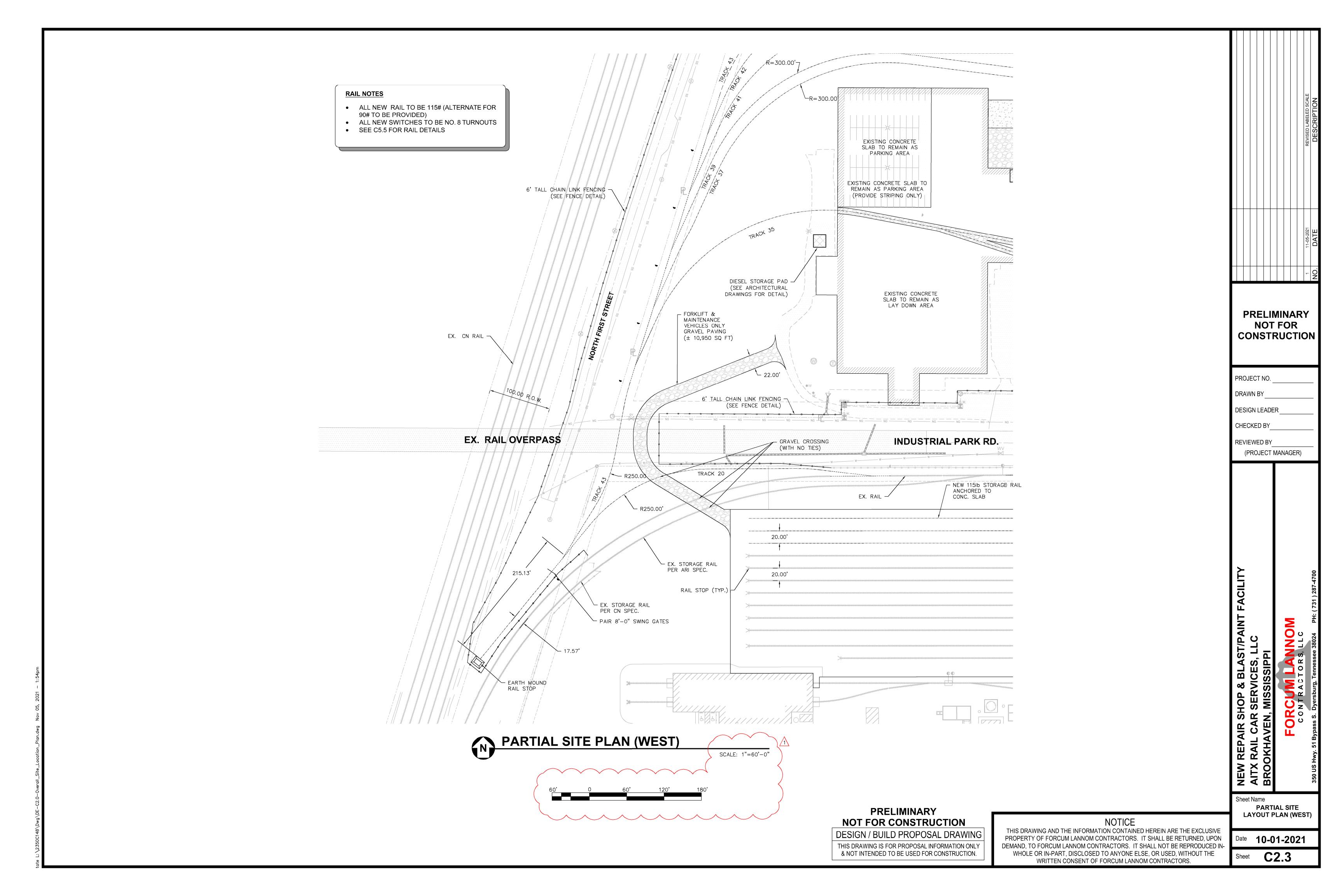
329500 - RAIL

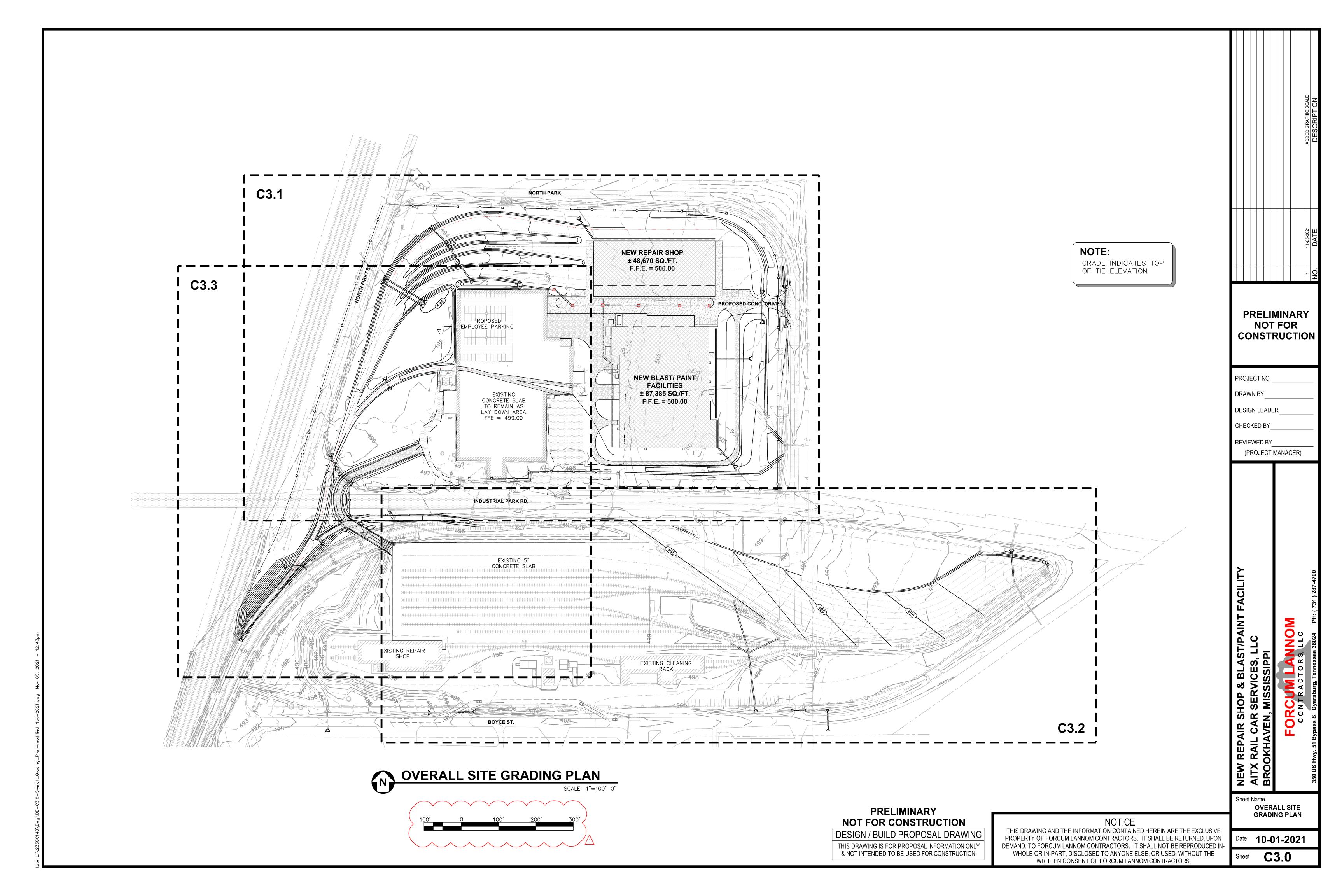
- 1. Count of steel rail bumpers should be 7 not 4.
- 2. Timber crossings are required for tracks 35 and 36 at gravel drive on west side of Blast/Paint building.
- 3. Part 2 Scope, I. indicates Rails inside Blast/Paint Facility to have steel wheel stops at each position.
 - a. How many positions are there? 20 positions requiring wheel stops
 - b. Does each rail need a wheel stop, or just one? Each rail per position
 - c. What type of stop is to be used? The standard temporary hinged stops will not work with embedded rail. See example on sheet B6.1B.

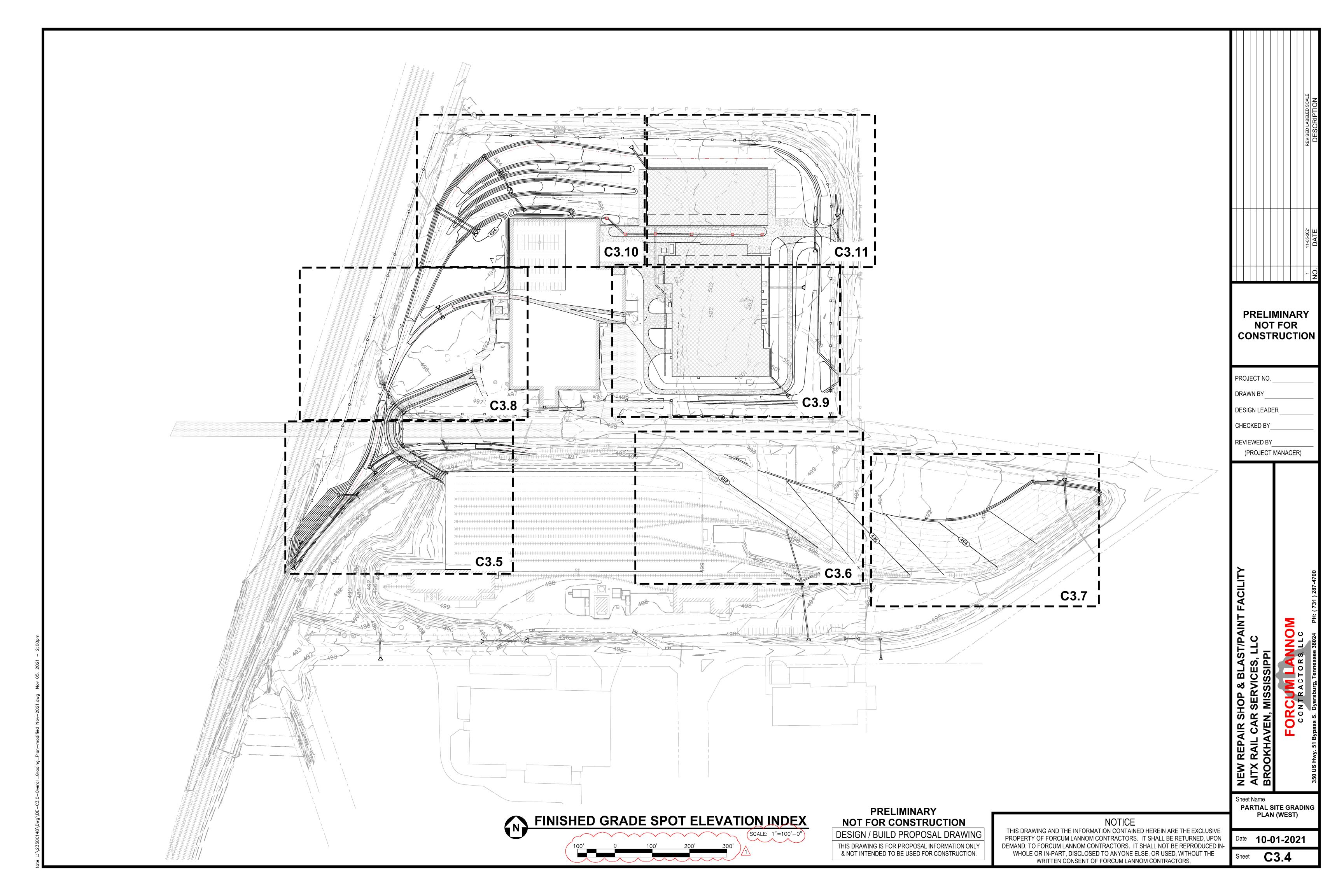


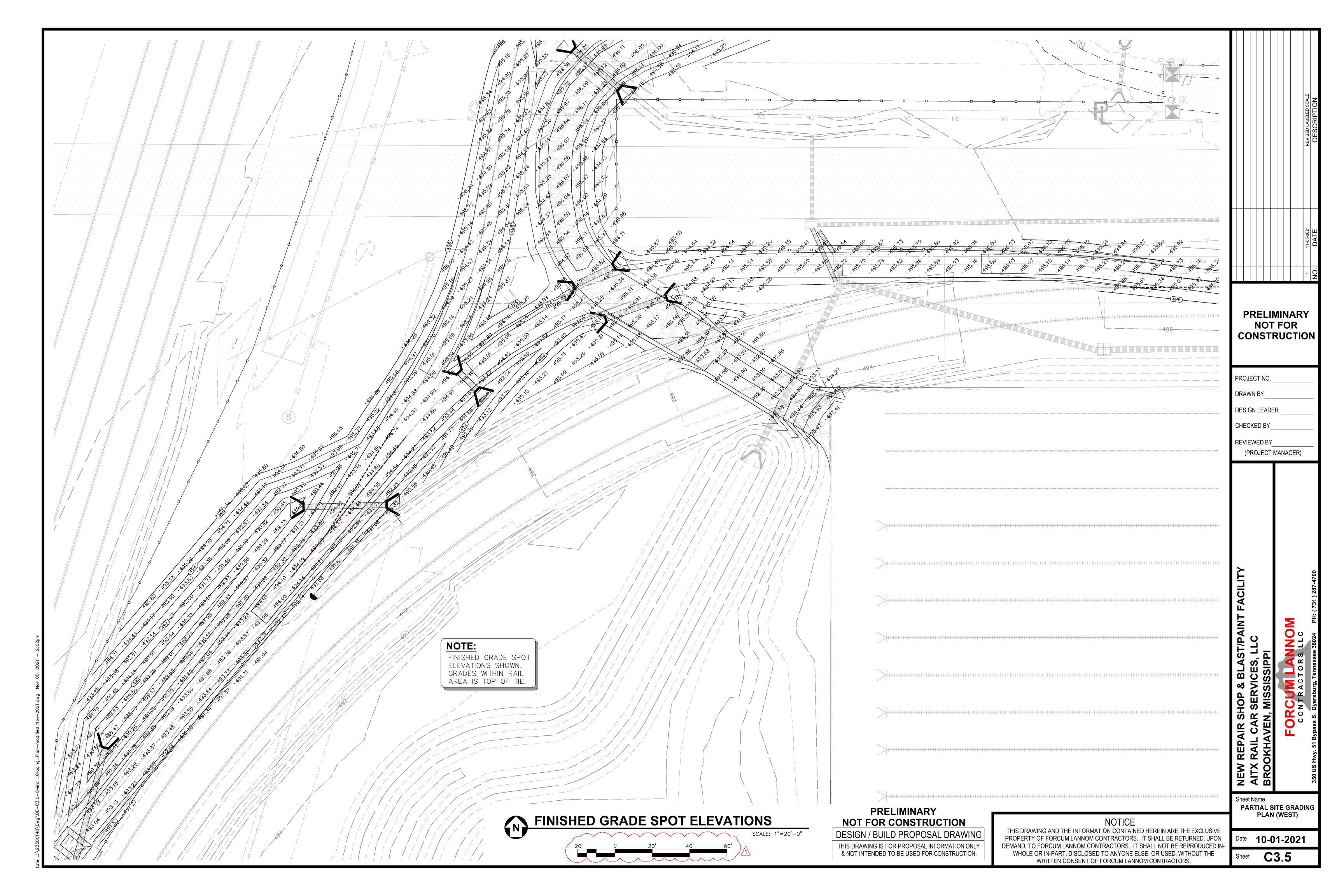


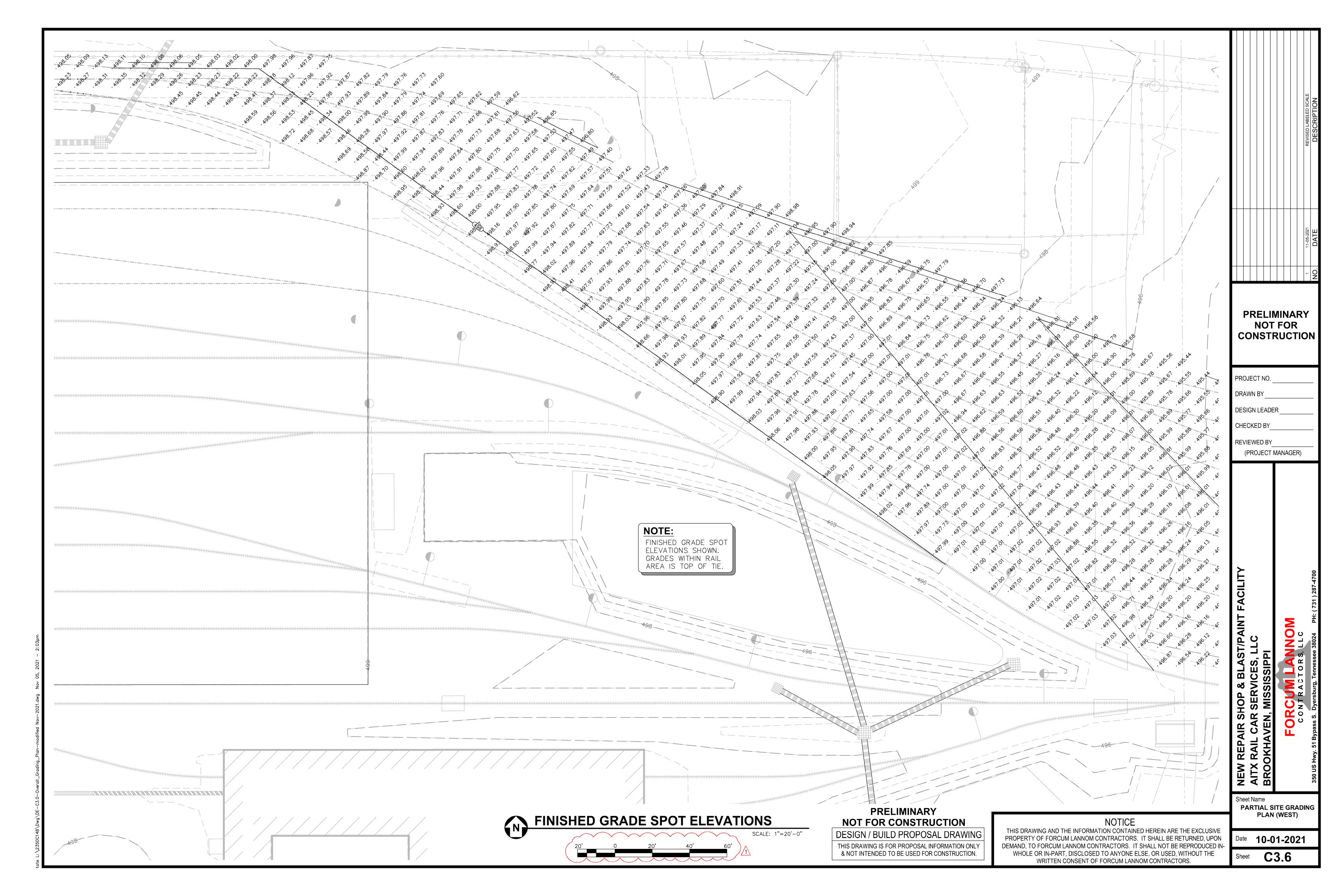


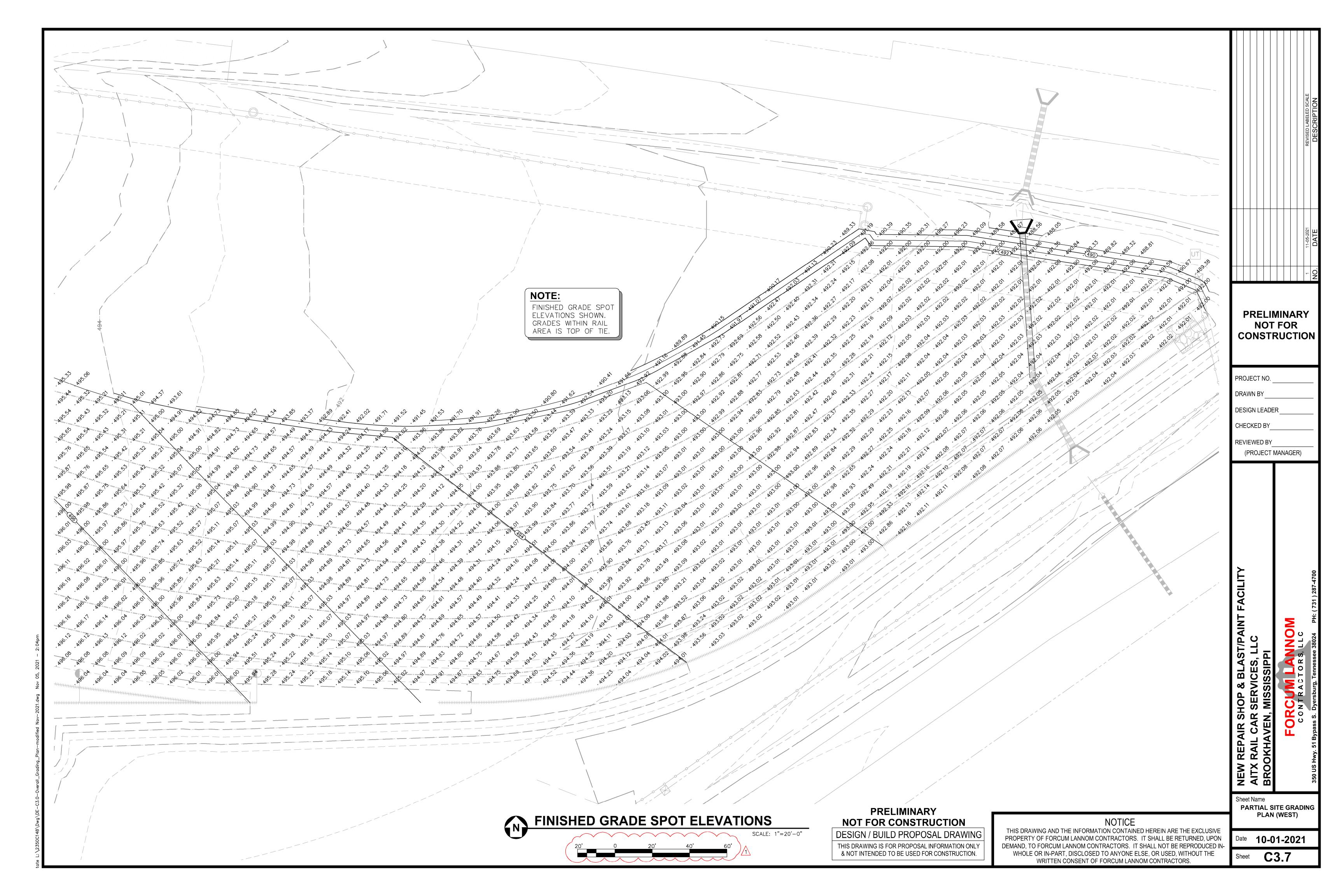


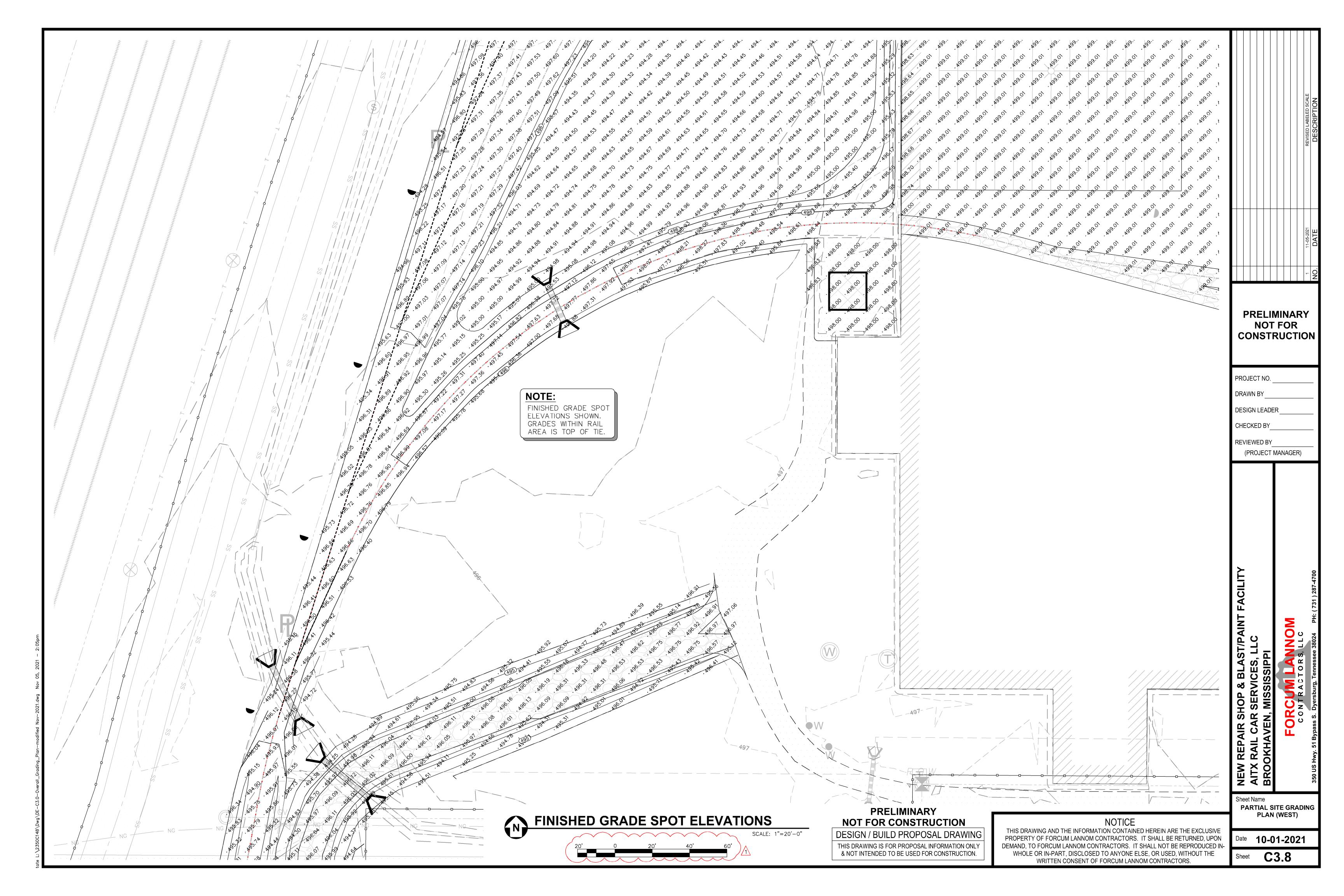


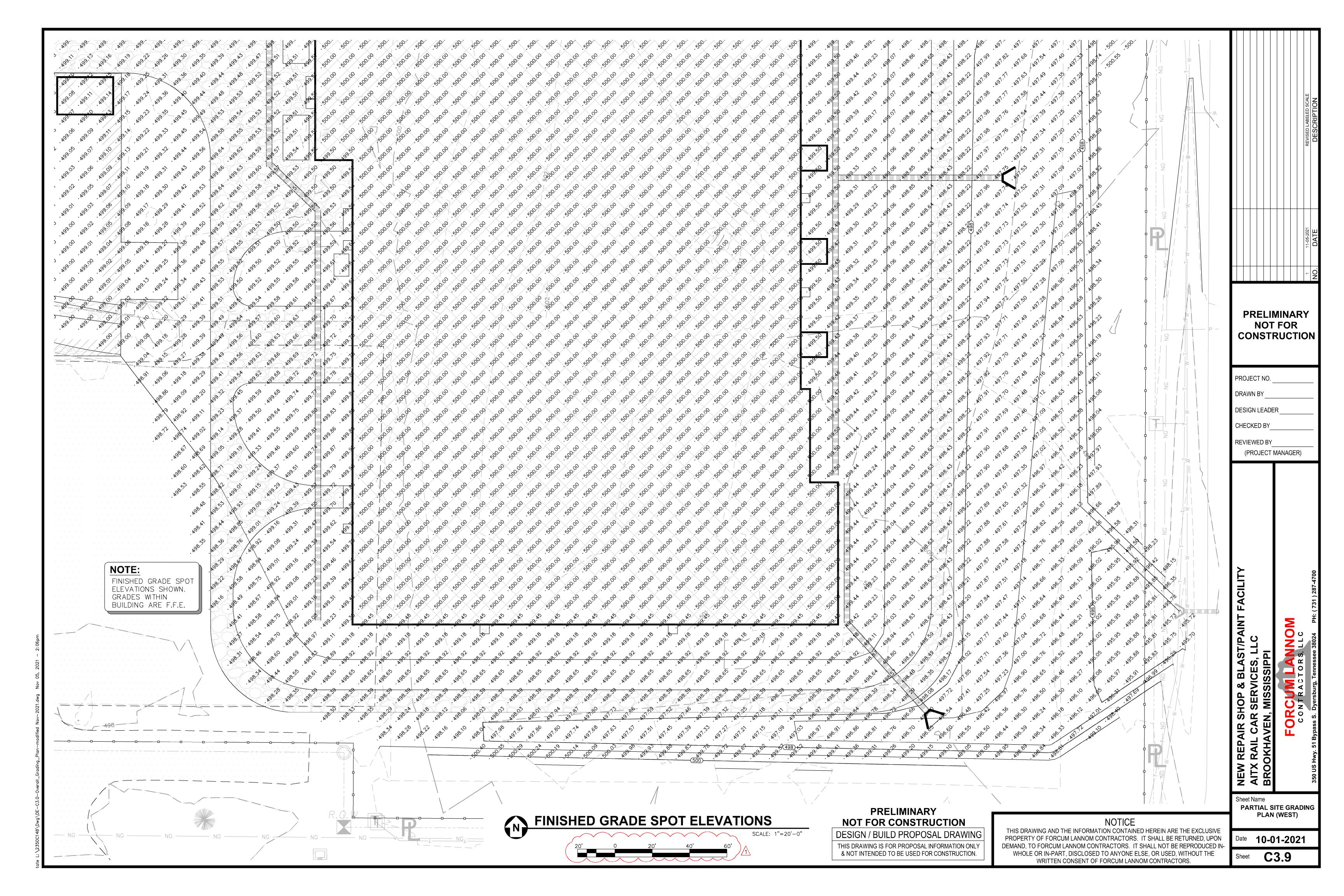


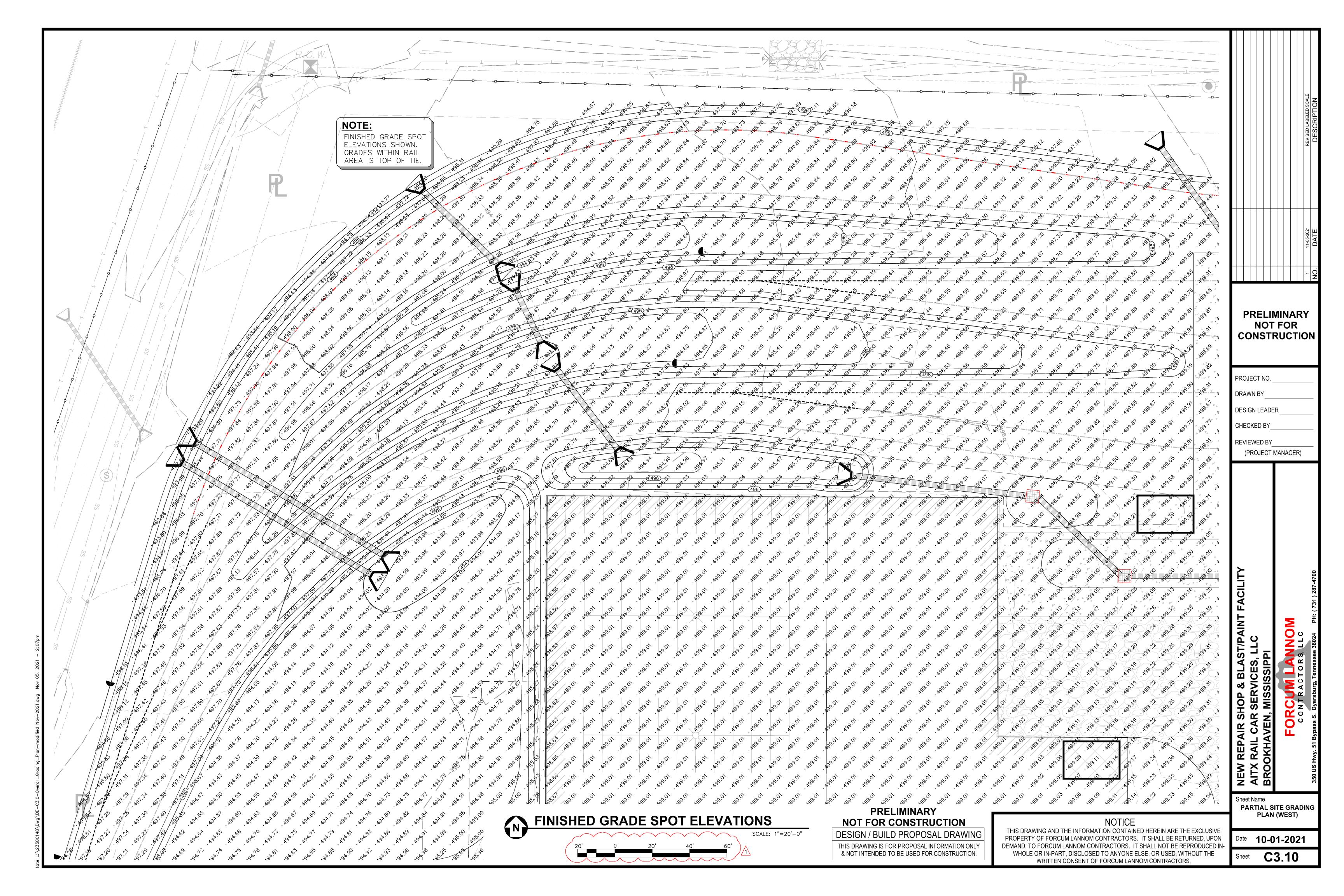


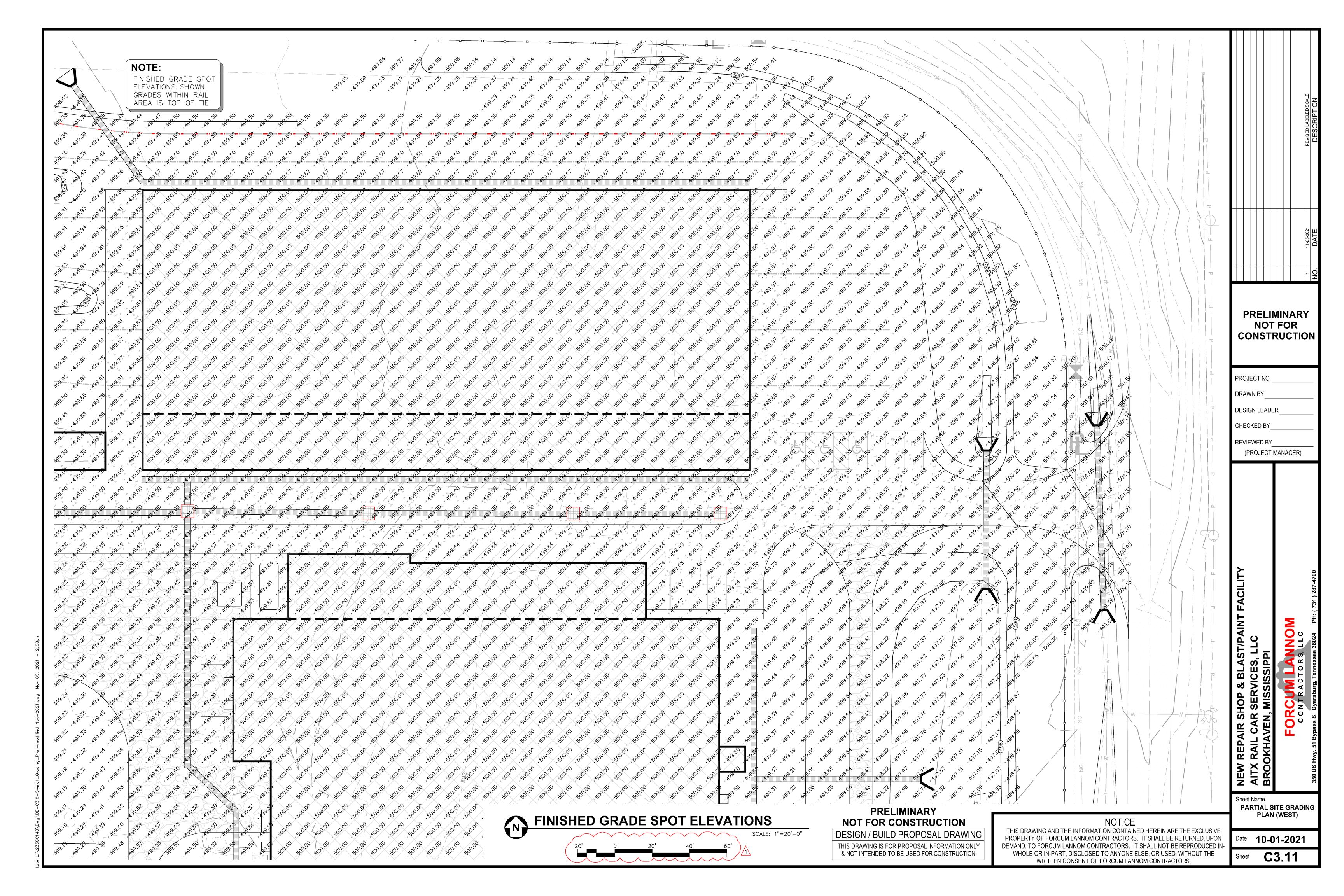


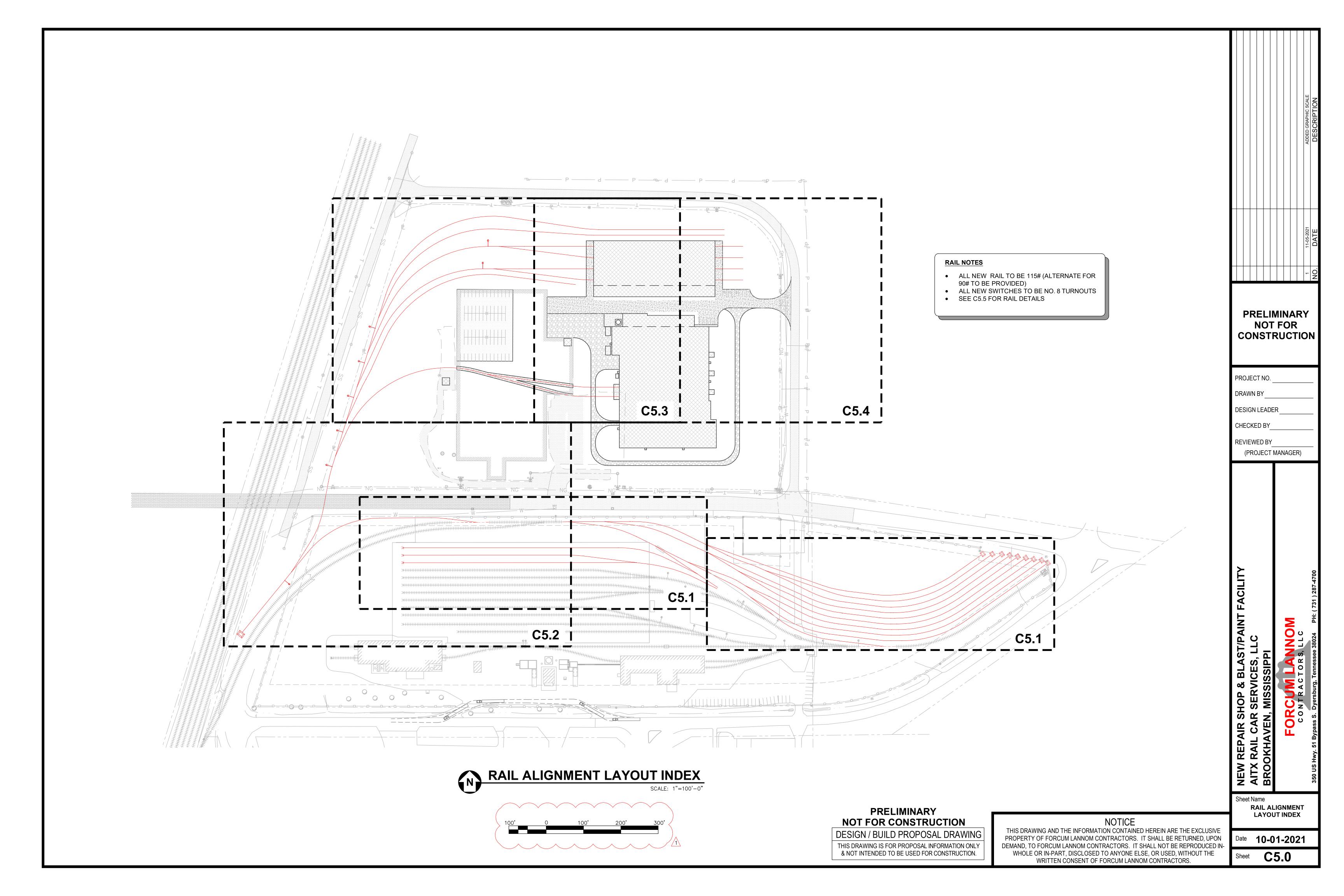


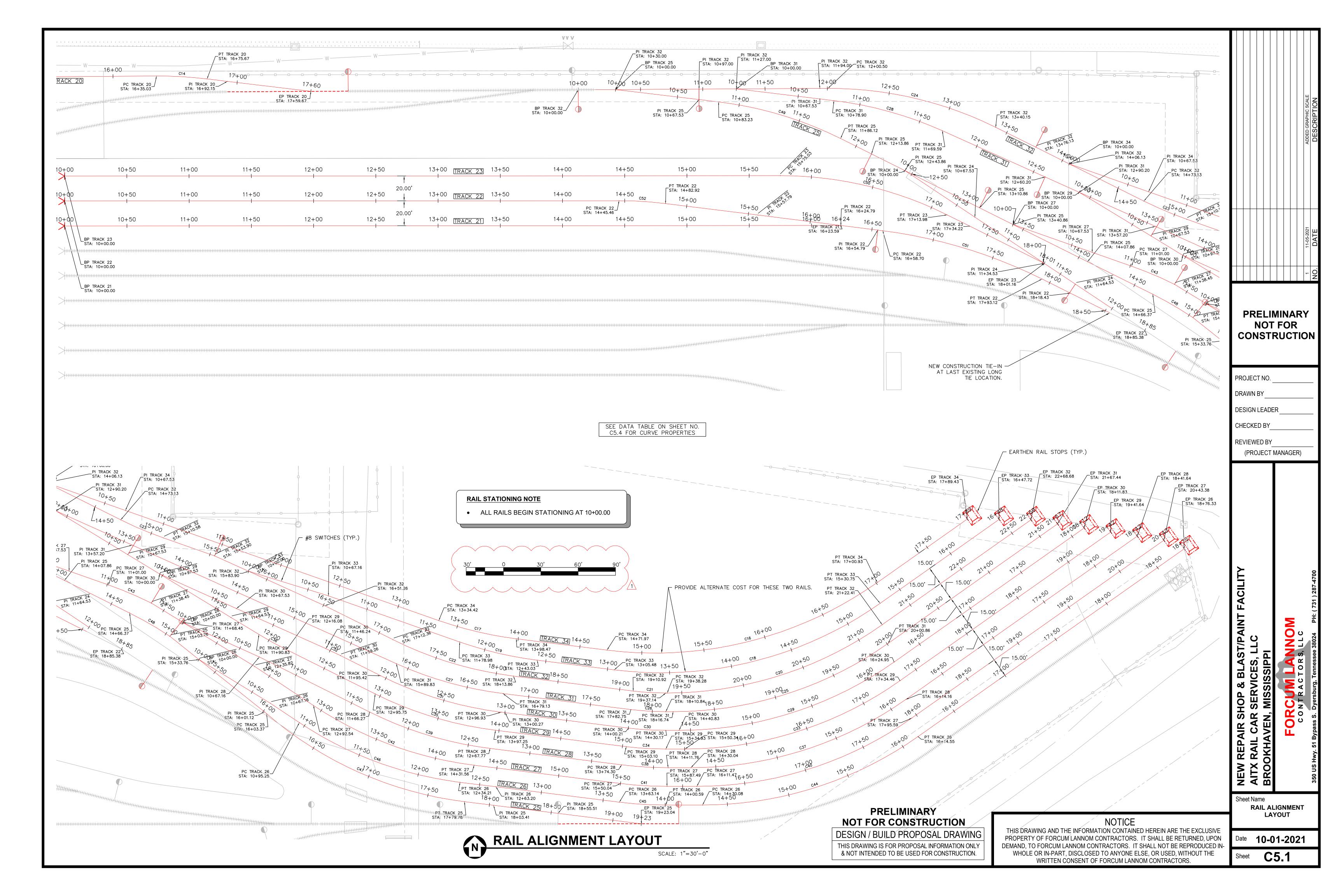


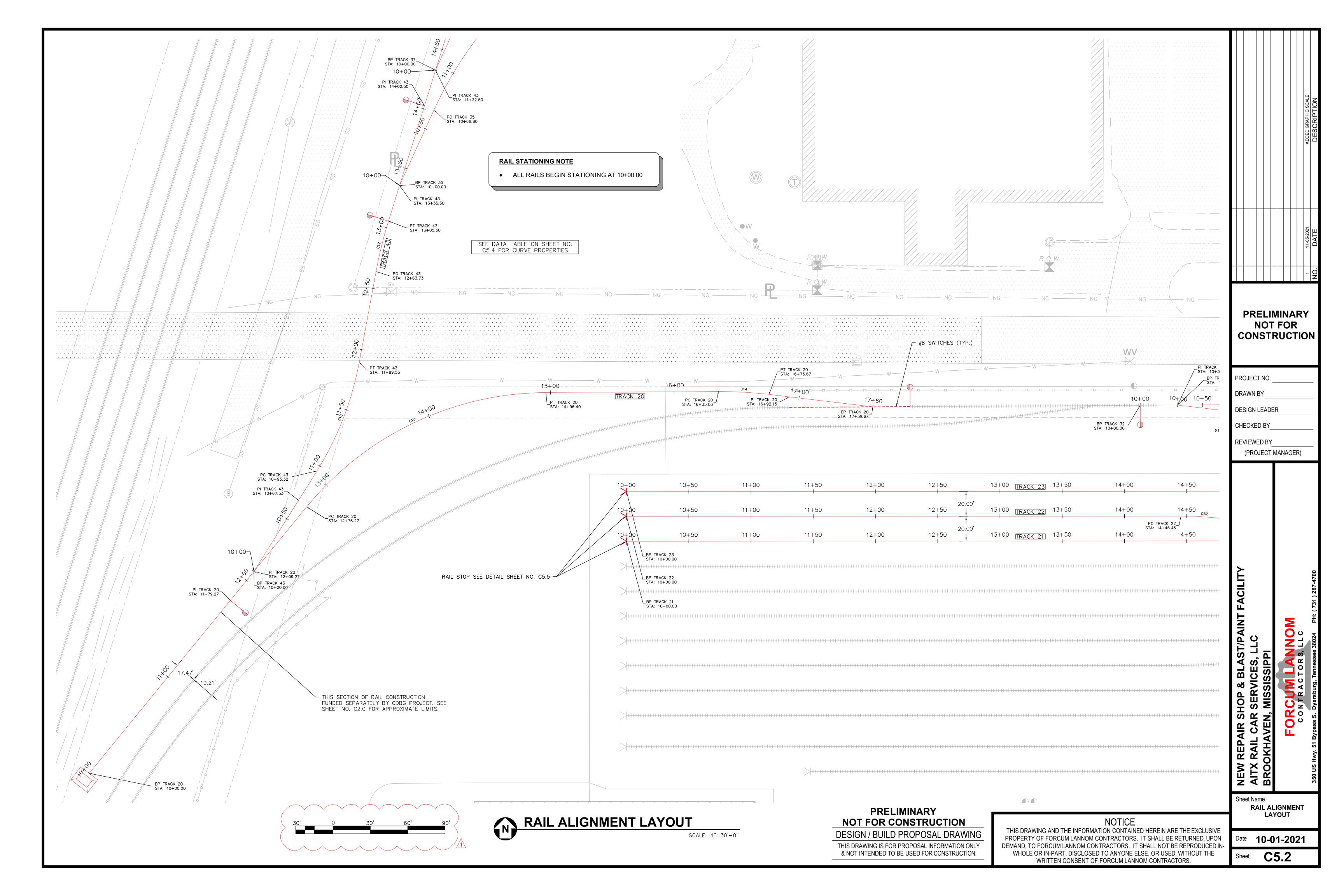


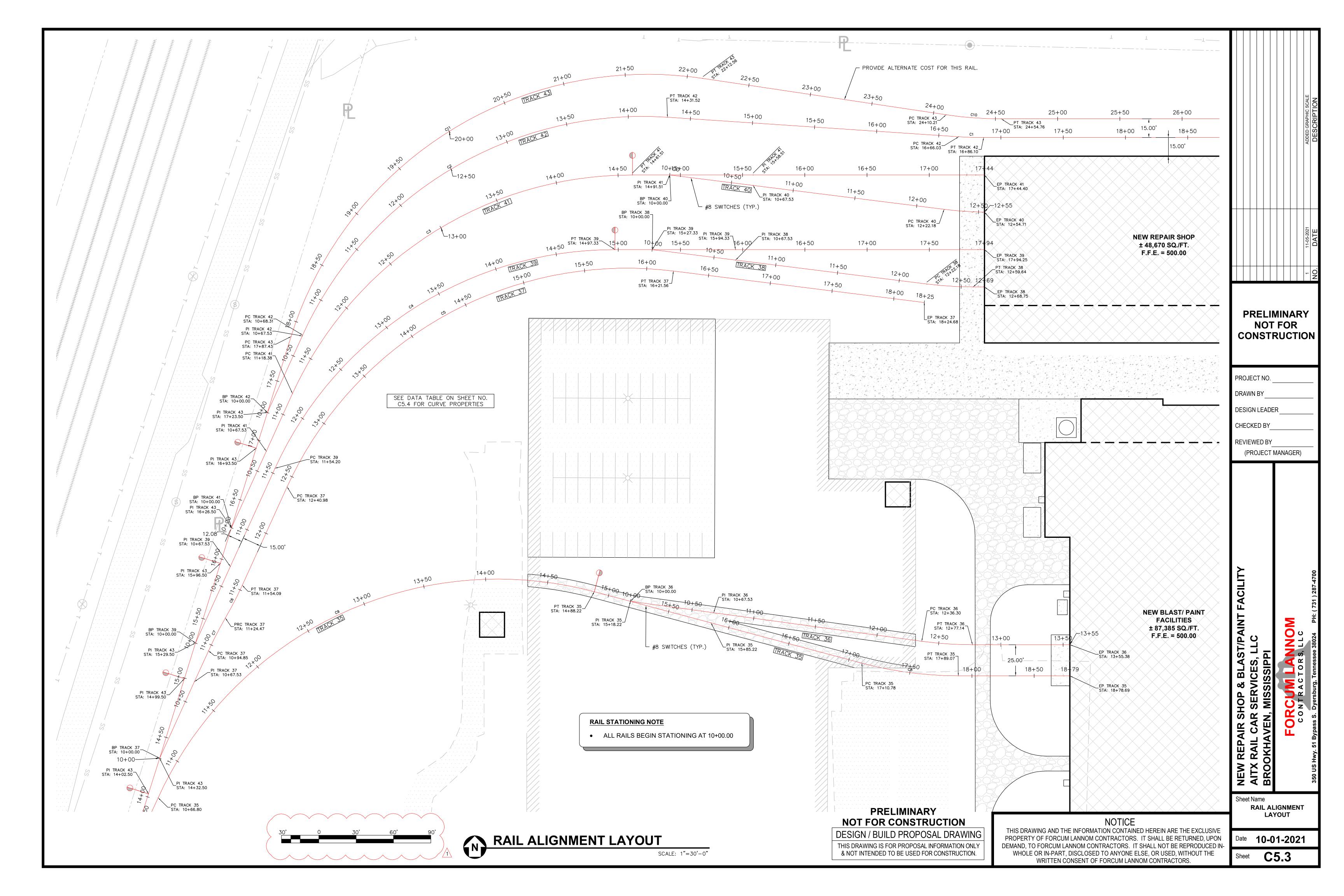


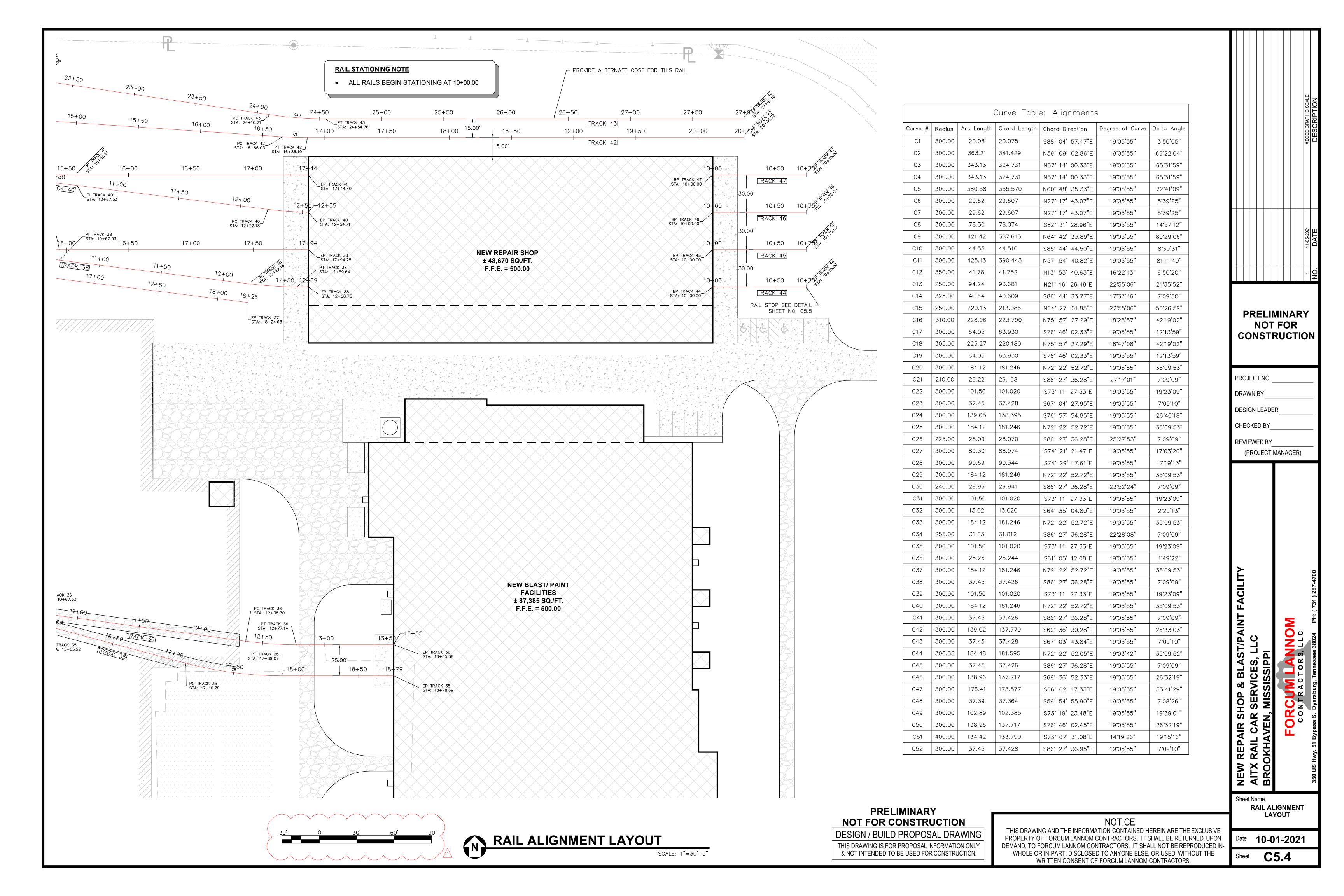


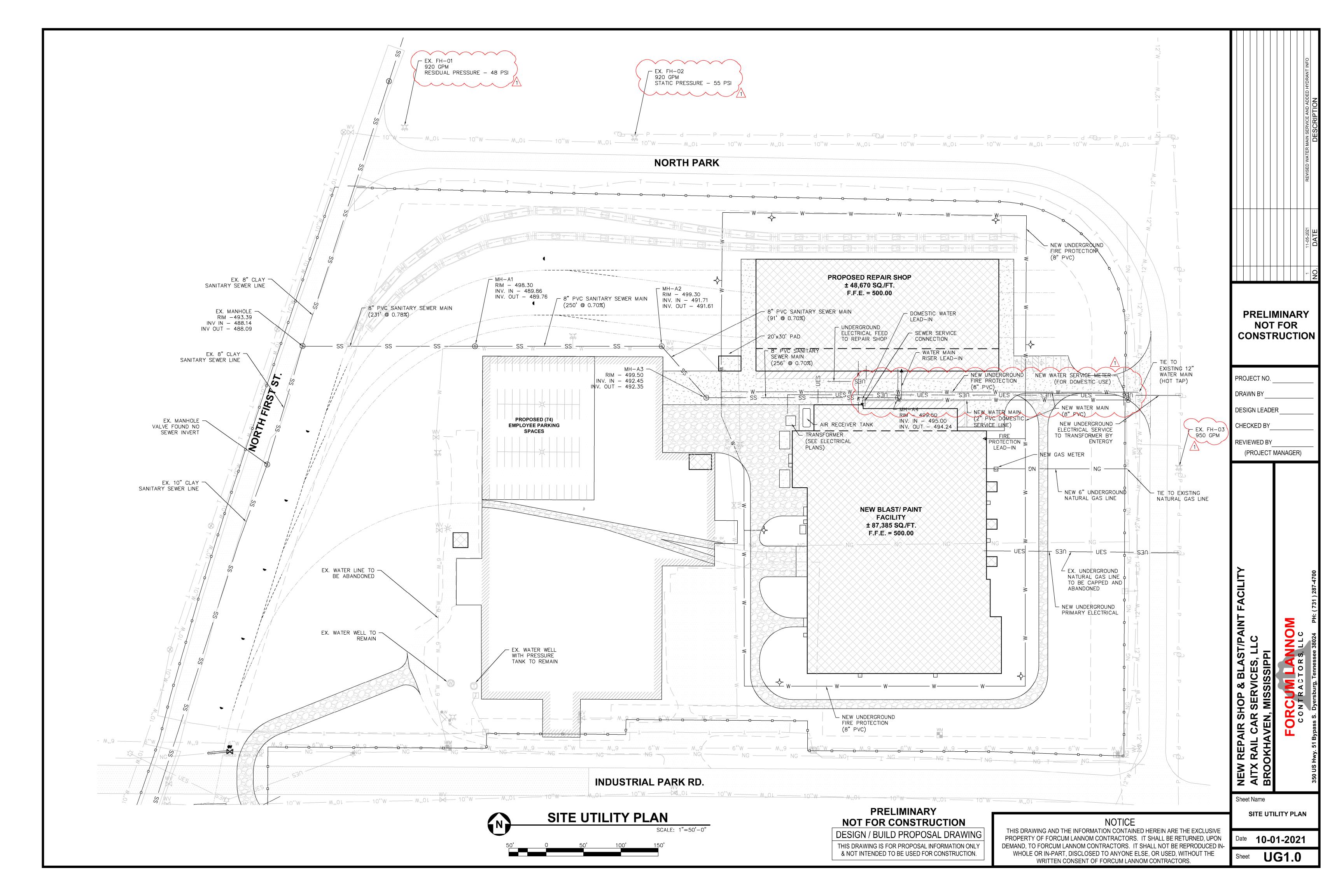


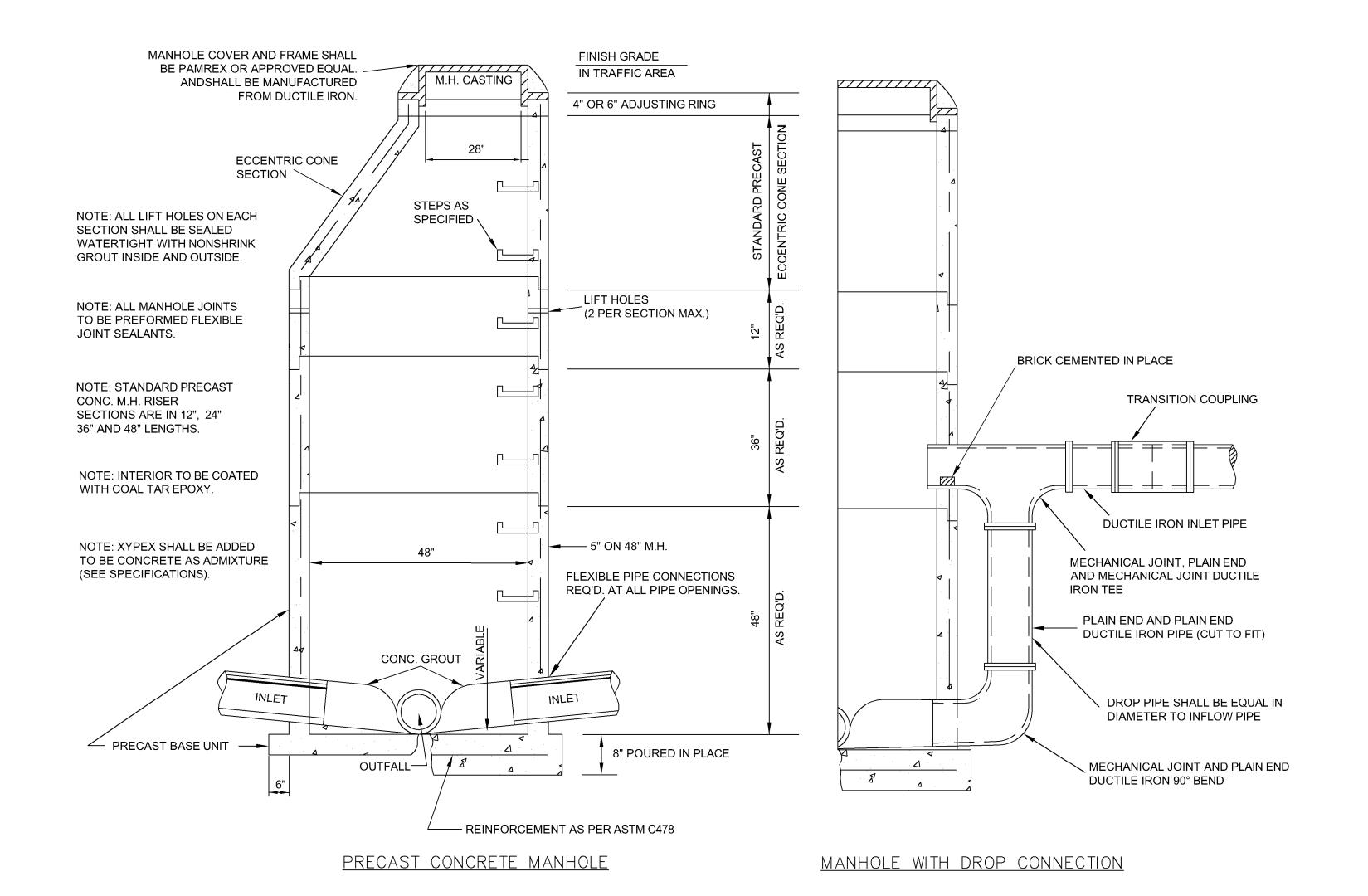


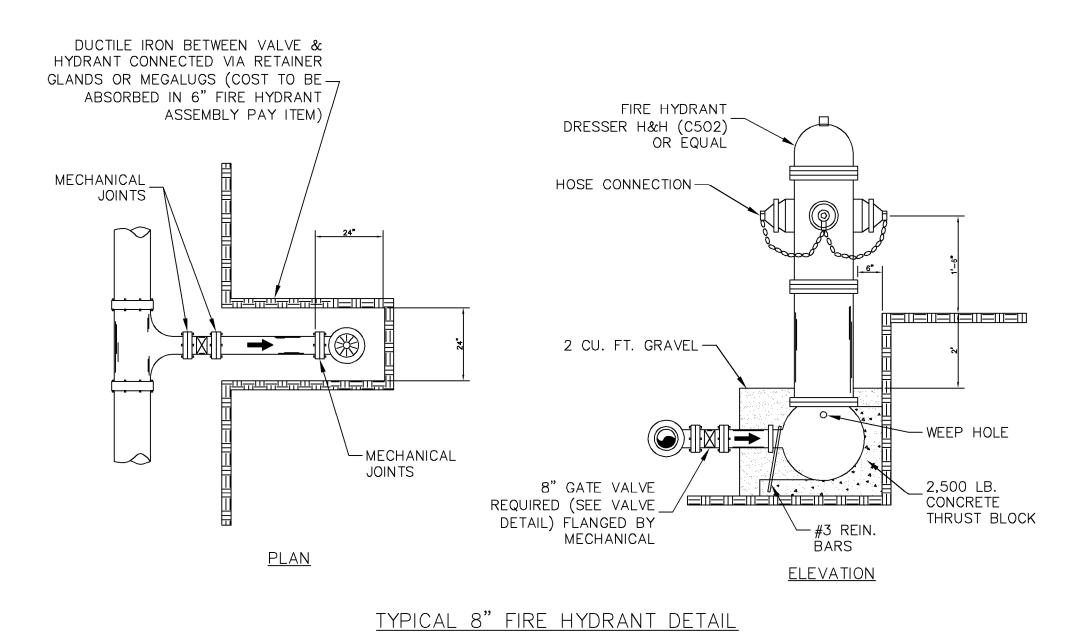




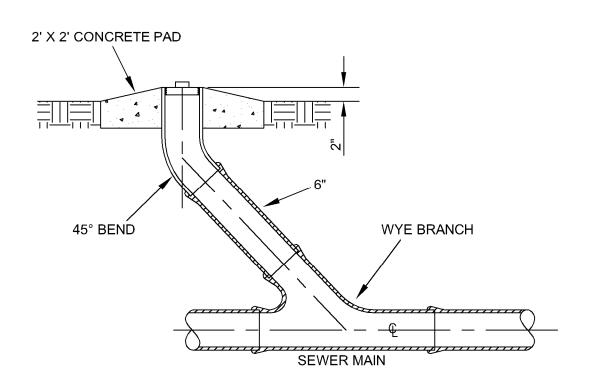




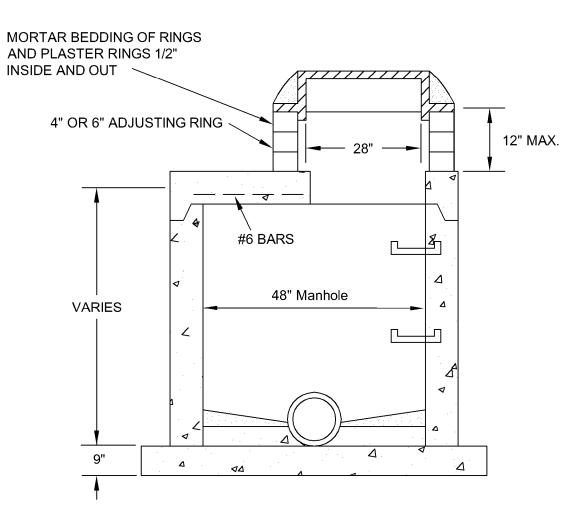




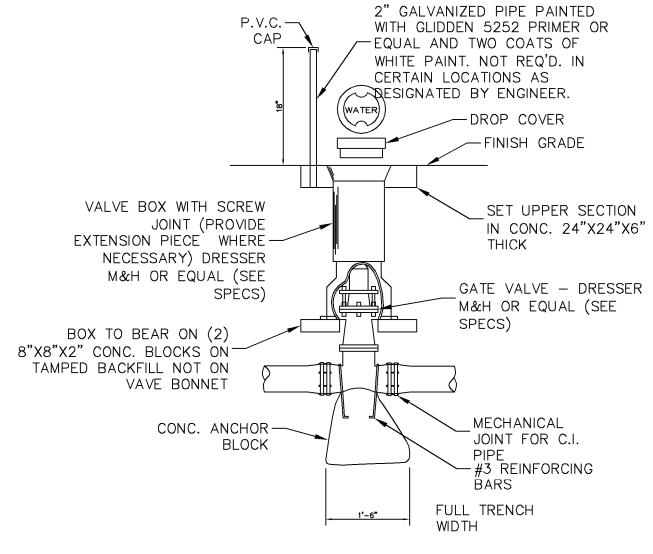
(NO SCALE)



TYPICAL SEWER CLEANOUT DETAIL



SHALLOW PRECAST CONCRETE MANHOLE



GATE VALVE DETAIL FOR MAINS 2" DIA. & OVER (NO SCALE)

PRELIMINARY NOT FOR CONSTRUCTION

DESIGN / BUILD PROPOSAL DRAWING
THIS DRAWING IS FOR PROPOSAL INFORMATION ONLY
& NOT INTENDED TO BE USED FOR CONSTRUCTION.

NOTICE

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PROJECT NO.

DRAWN BY

DESIGN LEADER _____
CHECKED BY ____
REVIEWED BY ____
(PROJECT MANAGER)

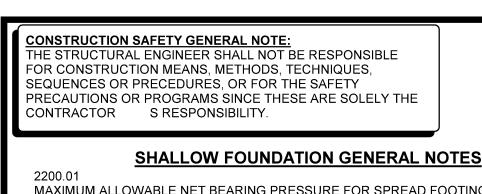
SHOP & BLAST/PAINT FACILITY
R SERVICES, LLC
W MISSISSIPPI
RCUMILANNOM

Sheet Name

SITE UTILITY DETAILS

Date 10-01-2021

Sheet **UG2.0**



MAXIMUM ALLOWABLE NET BEARING PRESSURE FOR SPREAD FOOTINGS= 2,000 PSF. & FOR CONTINOUS FOOTINGS = 1,500 PSF. SEE SOILS REPORT #130189 DATED MAY 28, 2013 AND REVISED JUNE 13, 2013 BY BURNS COOLEY DENNIS, INC.

THE GENERAL CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL EVALUATION AND OBSERVE ALL RECOMMENDATIONS IN THE REPORT.

FOOTING EXCAVATIONS SHALL BE OBSERVED BY AN EXPERIENCED GEOTECHNICAL ENGINEER PRIOR TO STEEL OR CONCRETE PLACEMENT IN ORDER TO ASSESS THAT THE FOUNDATION MATERIALS ARE CONSISTENT WITH THE FINDINGS IN THE GEOTECHNICAL

IN THE EVENT THAT THE SOILS TEST RESULTS ARE DISAPPROVED, FOOTING EXCAVATIONS SHALL BE UNDERCUT (UNDER THE DIRECTION OF THE SOILS ENGINEER) UNTIL SOILS OF ADEQUATE BEARDING CAPACITY ARE ENCOUNTERED. BACKFILL UNDER FOOTINGS SHALL CONSIST OF CONCRETE F C = 2500 PSI @ 28 DAYS PLACED UP TO THE PROPOSED BOTTOM OF FOOTING ELEVATION.

ALL FILLING, BACKFILLING, COMPACTING AND RECOMPACTING MUST HAVE A MINIMUM COMPACTION PERCENTAGE OF THE MAXIMUM DENSITY AS SPECIFIED IN THE GEOTECHNICAL REPORT.

FOR REQUIREMENTS OF EARTHWORK, SUBGRADE PREPARATION, ENGINEERED BACKFILL AND COMPACTION, OVER EXCAVATION, WATERPROOFING, AND OTHER PERTINENT REQUIREMENTS AND INFORMATION REFER TO GEOTECHNICAL EVALUATION AND SPECIFICATIONS.

ALL WATER SHALL BE REMOVED FROM FOUNDATION EXCAVATIONS PRIOR TO PLACING OF CONCRETE. IF BOTTOMS OF TRENCHES BECOME SOFTENED DUE TO WATER BEFORE FOOTINGS ARE CAST, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL EXCAVATE THE SOFTENED MATERIAL AND REPLACE WITH CONCRETE.

ALL PIPES (WATER LINES, SEWER LINES, ETC.) AND CONDUITS RUNNING THROUGH WALLS / SLABS SHALL BE PROTECTED WITH 1/2" EXPANSION MATERIAL.

CONTINUOUS FOOTING PERPENDICULAR TO PIPE RUNS SHALL BE EITHER LOWERED TO ALLOW PIPES TO PASS THROUGH ABOVE SUCH FOOTINGS OR HAVE CONCRETE JACKET IF PIPES ARE LOW ENOUGH TO BE PLACED BELOW SUCH FOOTINGS. FOOTINGS PARALLEL TO PIPE RUNS SHALL BE LOWERED TO AVOID SURCHARGE ONTO THE TRENCH EXCAVATIONS.

REFER TO CIVIL/ARCHITECTURAL PLANS FOR LIMITS OF EXCAVATION.

CONCRETE GENERAL NOTES

ALL DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL CONFORM TO THE ACI STANDARD "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" (ACI 315). INTERIOR CONCRETE SHALL DEVELOP A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AND MAY NOT CONTAIN FLY-ASH. EXTERIOR CONCRETE SHALL BE ENTRAINED WITH 4-7% AIR. SHALL DEVELOP 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AND MAY CONTAIN FLY-ASH. ALL OTHER CONCRETE SHALL DEVELOP A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AND MAY CONTAIN FLY-ASH.

HAMFER ALL EXPOSED EXTERNAL CORNERS OF CONCRETE WITH 3/4" X 45° CHAMFER: UNLESS NOTED OTHERWISE.

3100.03

ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615,

ALL REINFORCING BAR SPLICES SHALL BE 44 BAR DIAMETERS.

ALL REINFORCING BAR HOOKS SHALL BE ACI STANDARD 135° HOOK, UNLESS NOTED

PROVIDE TWO #5 X 5 -0" LONG DIAGONAL BARS IN TOP FACE AT ALL RE-ENTRANT CORNERS IN SLAB.

PROVIDE CORNER BARS IN FOOTINGS & TURN-DOWN SLABS SAME SIZE & SPACING AS LONGITUDINAL REINFORCING.

BAR SUPPORTS AT FOOTINGS & SLAB-ON-GRADE SHALL BE FACTORY MADE WIRE BAR SUPPORTS.

EACH WAY

EXISTING

EXIST.

ALL SLOTS, SLEEVES AND OTHER EMBEDDED ITEMS SHALL BE SET BEFORE CONCRETE IS PLACED. SEE ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND VENDOR S DRAWINGS FOR SIZE & LOCATIONS.

CONCRETE MASONRY GENERAL NOTES

ALL CONCRETE MASONRY UNITS SHALL BE LIGHTWEIGHT ABOVE FINISHED FLOOR & NORMAL WEIGHT BELOW GRADE.

ALL CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 GRADE N, TYPE 1

WITH A MINIMUM ULTIMATE COMPRESSIVE PRISM STRENGTH (F M) OF PSI FOR THE MASONRY ASSEMBLAGE.

ALL MORTAR SHALL BE TYPE S CONFORMING TO ASTM C270.

ALL GROUT SHALL CONFORM TO A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF

3,000 PSI.

ALL 8" BOND BEAM UNITS SHALL BE REINFORCED WITH (1) #5 AND ALL 12" BOND BEAM

UNITS SHALL BE REINFORCED WITH (2) #5 S. PROVIDE CORNER BARP BOND BEAM REINFORCING 48 BAR DIAMETERS.

ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615

ALL BOLTS, ANCHORS, REINFORCEMENT AND EMBEDDED ITEMS SHALL BE GROUTED IN PLACE.

MAXIMUM HEIGHT OF GROUT POUR SHALL BE 4-0".

ALL VERTICAL REINFORCING STEEL SHALL BE POSITIONED AND HELD IN PLACE BY MEANS OF WIDE SPACERS.

PROVIDE CONTROL JOINTS IN MASONRY WALL AS NOTED IN ARCHITECTURAL DRAWINGS, BUT CONTRUCTION/ CONTROL JOINTS SHALL NOT EXCEED 24 -0" O/C.

METAL BUILDING DESIGN LOADS

1.	ROOF DEAD LOAD:	PER MBM
2.	ROOF LIVE LOAD:	20 PSF
3.	COLLATERAL LOAD:	5 PSF

4. SNOW LOAD:

GROUND SNOW LOAD: 6 PSF FLAT-ROOF SNOW LOAD (Pf) = 6 PSF SNOW EXPOSURE FACTOR (Ce) = 1.0 SNOW LOAD IMPORTANCE FACTOR (I) = 1.0

THERMAL FACTOR (t) = 1.0

WIND SPEED (3-SECOND GUST): 120 mph WIND IMPORTANCE FACTOR (lw) = 1.0 **BUILDING CATEGORY II** WIND EXPOSURE CATEGORY C

WORK POINT

WELDED WIRE FABRIC

OCCUPANCY CATEGORY II IMPORTANCE FACTOR = 1.0 SDS = 0.1210SD1 = 0.0713SEISMIC SITE CLASS D SEISMIC DESIGN CATEGORY B BASIC STRUCTURAL SYSTEM - PER MBM SEISMIC RESISTING SYSTEM - PER MBM

RESPONSE MODIFICATION COEFFICIENT (R) = PER MBM

DEFLECTION AMPLIFICATION FACTOR (Cd) = PER MBM ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE PROCEDURE

BUILDING CODE:

2015 INTERNATIONAL BUILDING CODE 2015 INTERNATIONAL FIRE CODE 2015 INTERNATIONAL PLUMBING CODE 2015 INTERNATIONAL MECHANICAL CODE

2014 NATIONAL ELECTRICAL CODE

2015 INTERNATIONAL ENERGY CODE **PLATFORM DESIGN LOADS**

PLATFORM DEAD LOAD:	15 PS
PLATFORM LIVE LOAD:	125 PS

OCCUPANCY CATEGORY II

- IMPORTANCE FACTOR SDS = 0.1210SD1 = 0.0713
- SEISMIC SITE CLASS D SEISMIC DESIGN CATEGORY B BASIC STRUCTURAL SYSTEM - MOMENT RESISTING FRAME
- SEISMIC RESISTING SYSTEM ORDINARY STEEL MOMENT FRAME RESPONSE MODIFICATION COEFFICIENT (R) = 3.50 SYSTEM OVERSTRENGTH FACTOR (Wo) = 3.00

WALL

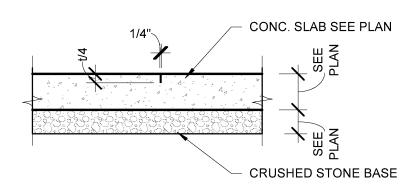
LOCATION

DEFLECTION AMPLIFICATION FACTOR (Cd) = 3.00

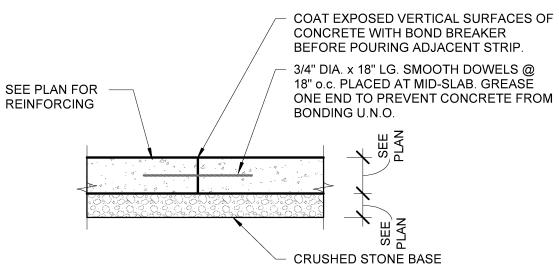
ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE PROCEDURE

1 1/2" SHEET NOTCH AT VB INSULATION & 3" AT F.B. INSULATION 1/2"ø EXP. ANCHOR @ 24" o.c BASE CHANNEL CONC. SLAB - SEE PLAN Y Y Y Y Y #4 DOWEL @ 48" o.c. (3) #4 CONT

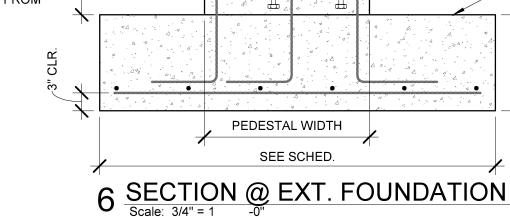
1 SECTION @ TURNDOWN Scale: 3/4" = 1 -0"



4 CONC. CONTROL JOINT Scale: 3/4" = 1 -0"



5 TYP. CONC. CONST. JOINT



2 SECTION @ WALKDOOR

. X X X X X

WALL BEYOND

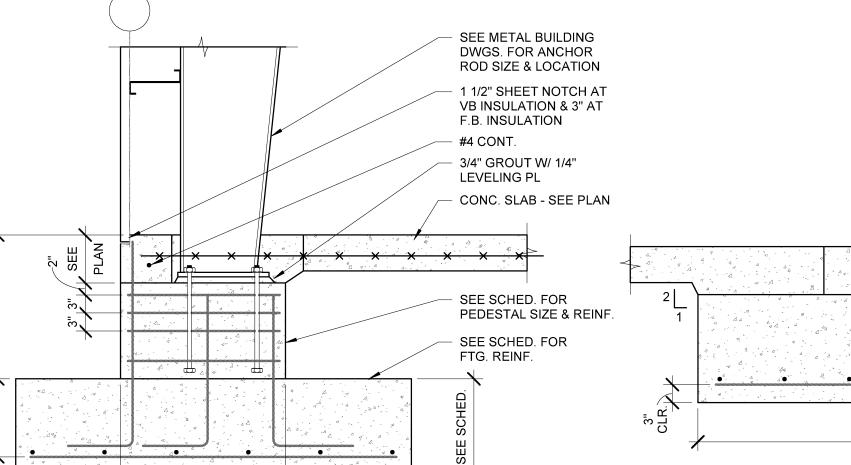
PAVING - SEE ARCH./CIVIL

- CONC. SLAB - SEE PLAN

#4 DOWELS @ 48" o.c.

(3) #4 CONT.

1 1/2" SHEET NOTCH BEYOND



3 TYP. SECTION @ OVHD DOOR

L3 x 3 x 1/4 W/ 1/2"ø X

4" H.S.A. @ 12" o.c.

1/2" EXPANSION

MATERIAL

PAVING - SEE

ARCH/ CIVIL

WALL BEYOND

SLOPE FLOOR @ DOOR

FROM BONDING U.N.O.

CONC. SLAB - SEE PLAN

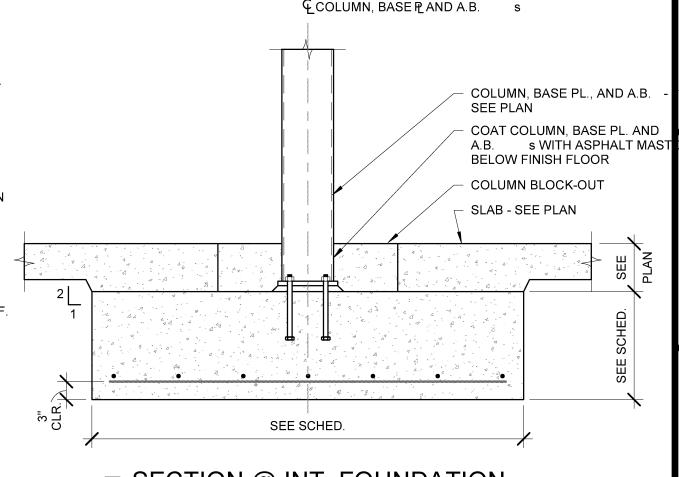
#4 DOWELS @ 48" o.c.

(2) #4 x CONT.

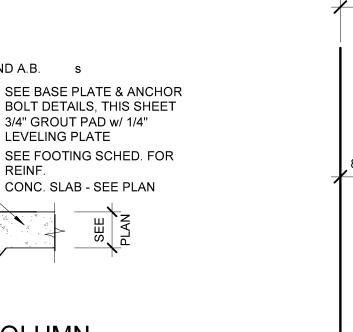
3/4" DIA. x 18" LG. SMOOTH DOWELS @

18" o/c. PLACED AT MID-SLAB. GREASE

ONE END TO PREVENT CONCRETE



7 SECTION @ INT. FOUNDATION



8 SECTION @ PLATFORM COLUMN

REMARKS

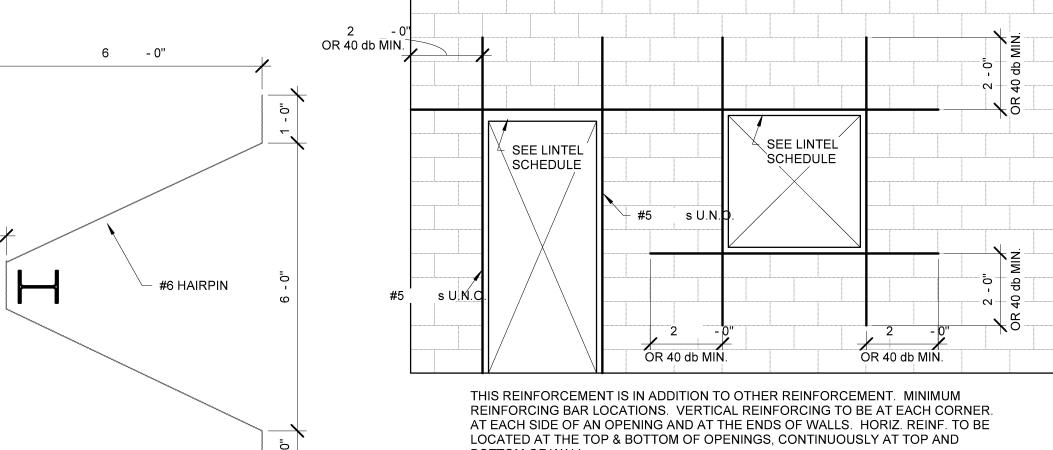
COLUMN, BASE PLAND A.B. s

3/4" GROUT PAD w/ 1/4" LEVELING PLATE

CONC. SLAB - SEE PLAN

TO ROD

REINF



FILL 8" BLOCK SOLID

(VERTICAL) FOR 2

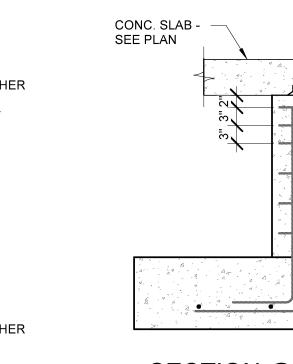
SIDE OF OPENING



COLUMN, BASE PAND A.B. s

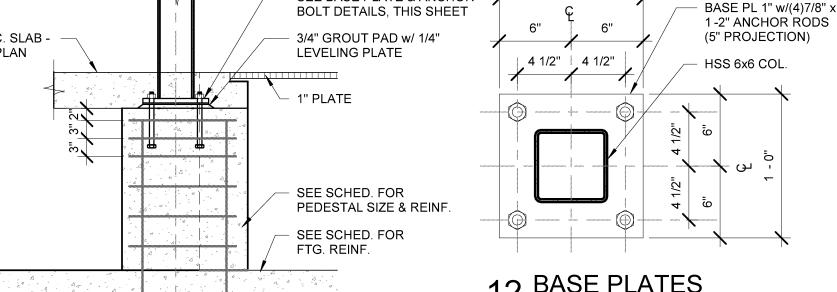
BOTTOM OF WALL.

10 RIENF. © CMU OPENING

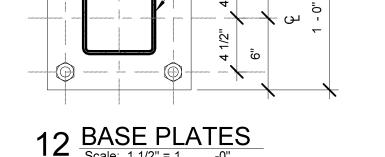


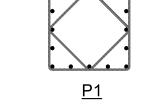
- 0" EA.

- 0"



SEE BASE PLATE & ANCHOR





13 TIE DETAIL
Scale: 1/2" = 1 -0"

WRITTEN CONSENT OF FORCUM LANNOM CONTRACTORS

Sheet Name FDN. GEN. NOTES & TYP DTLS.

IR SHOI AR SEF VEN, MI

NEW REPA AITX RAILC BROOKHA

10-01-2021

S0.1B Sheet

PRELIMINARY

NOT FOR

CONSTRUCTION

PROJECT NO. 2114TN

DRAWN BY CN

CHECKED BY

REVIEWED BY

DESIGN LEADER CK

(PROJECT MANAGER)

O U

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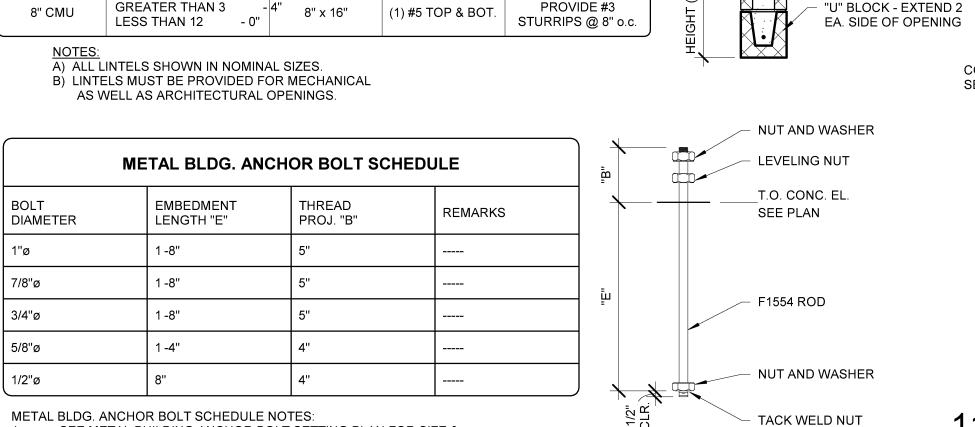
TYPICAL STRUCTURAL ABBREVIATIONS

١						
ľ	ACI	AMERICAN CONCRETE	EXP	EXPANSION	PEMB	PRE-ENGINEERED
l		INSTITUTE	FIN.	FINISH		METAL BUILDING
l	AISC	AMERICAN INSTITUTE OF	FLR	FLOOR	PL, or ₽L	PLATE
l		STEEL CONSTRUCTION	FDN	FOUNDATION	PLF	POUNDS PER FOOT
l	ASTM	AMERICAN SOCIETY OF	FTG	FOOTING	PROJ	PROJECTION
l		TESTING MATERIALS	F.S.	FAR SIDE	PSF	POUNDS PER SQUARE FOO
l	AB	ANCHOR BOLT	GA	GAUGE	PSI	POUNDS PER SQUARE INCH
l	L	ANGLE	GALV	GALVANIZED	R	RADIUS
l	ARCH	ARCHITECT	HK	HOOK	REINF	REINFORCEMENT
l	BLDG	BUILDING	HORIZ	HORIZONTAL	REQ	DREQUIRED
l	BM	BEAM	H.S.A.	HEADED STUD ANCHOR	RTU	ROOF TOP UNIT
l	BOT	BOTTOM	J.B.E.	JOIST BEARING ELEVATION	SCHED	SCHEDULE
l	BRG	BEARING	JST	JOIST	SECT	SECTION
l	Ę.	CENTER LINE	JT	JOINT	SIM	SIMILAR
l	CLR	CLEAR	LLH	LONG LEG HORIZONTAL	SJI	STEEL JOIST INSTITUTE
l	COL	COLUMN	LLV	LONG LEG VERTICAL	S.O.G.	SLAB ON GRADE
l	CONC	CONCRETE	LONG.	LONGITUDINAL	SPA	SPACING
l	CONN	CONNECTION	LG	LONG	SPECS	SPECIFICATIONS
l	CONT	CONTINUOUS	MAX	MAXIMUM	STD	STANDARD
l	DIA, or Ø	DIAMETER	MECH	MECHANICAL	STL	STEEL
l	DIM	DIMENSION	MBM	METAL BUILDING	TOC	TOP OF CONCRETE
l	DTL	DETAIL		MANUFACTURER	TOF	TOP OF FOOTING
l	DN	DOWN	MIN	MINIMUM	TOS	TOP OF STEEL
l	do	DITTO	MISC	MISCELLANEOUS	TOW	TOP OF WALL
l	DWG	DRAWING	MFR	MANUFACTURER	TRANS.	TRANSVERSE
l	DWL	DOWEL	MTL	METAL	TYP	TYPICAL
l	EA	EACH	N.S.	NEAR SIDE	UNO	UNLESS NOTED OTHERWIS
l	EL	ELEVATION	O.C.	ON CENTER	VERT	VERTICAL
١	EQ	EQUAL	O.F.	OUTSIDE FACE	W/	WITH
1						

OPENING

OVHD

OVERHEAD



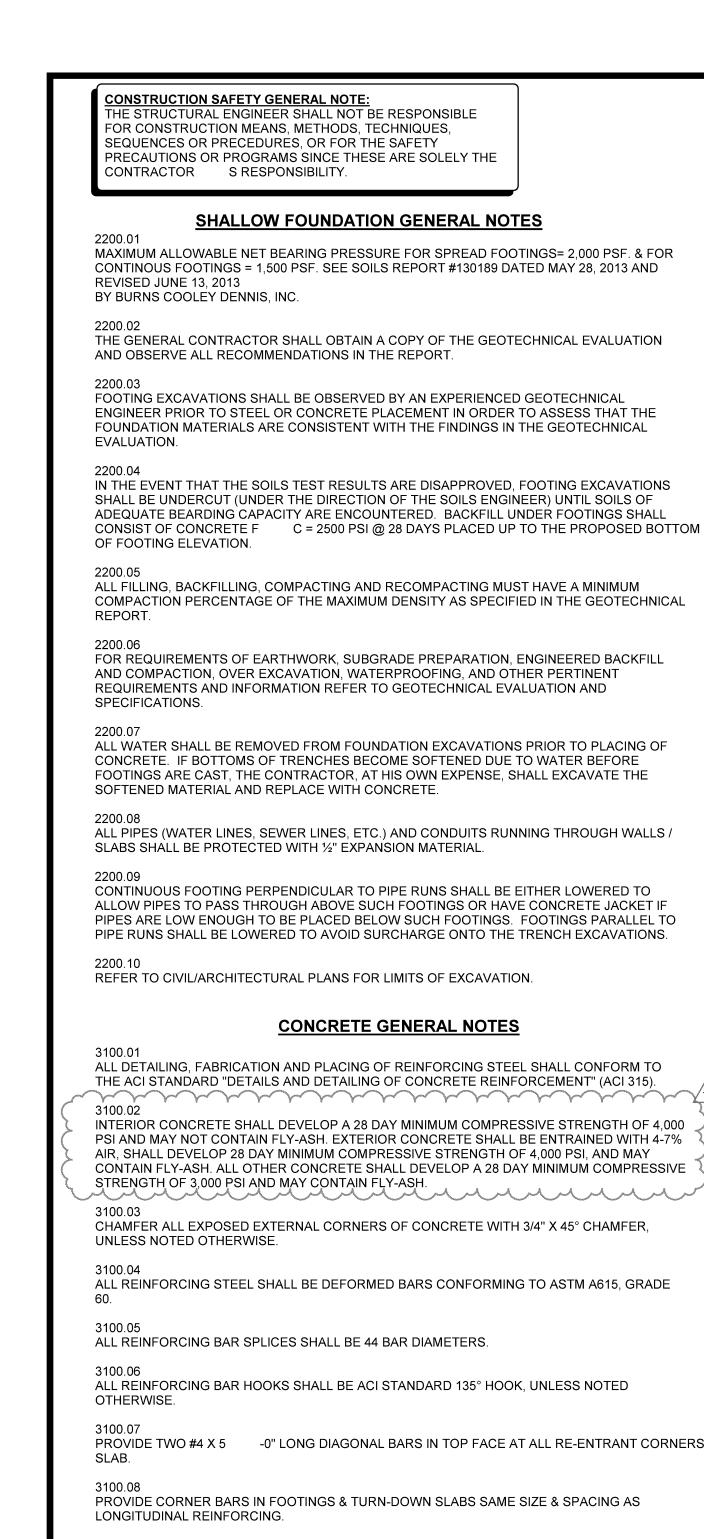
METAL BLDG. ANCHOR BOLT SCHEDULE NOTES: SEE METAL BUILDING ANCHOR BOLT SETTING PLAN FOR SIZE & LOCATION OF ANCHOR BOLTS. COORDINATE REQUIRED PROJECTION WITH METAL BUILDING

LINTEL SCHEDULE

SIZE (w x h) REINFORCING

11 SECTION @ PLATFORM COLUMN

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PROVIDE TWO #4 X 5 -0" LONG DIAGONAL BARS IN TOP FACE AT ALL RE-ENTRANT CORNERS IN

BAR SUPPORTS AT FOOTINGS & SLAB-ON-GRADE SHALL BE FACTORY MADE WIRE BAR SUPPORTS.

EXISTING

ALL SLOTS, SLEEVES AND OTHER EMBEDDED ITEMS SHALL BE SET BEFORE CONCRETE IS PLACED. SEE ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND VENDOR S DRAWINGS FOR SIZE & LOCATIONS.

METAL BUILDING DESIGN LOADS

1.	ROOF DEAD LOAD:	PER MBM
2.	ROOF LIVE LOAD:	20 PSF
3.	MP&E LIVE LOAD:	5 PSF
4.	COLLATERAL LOAD:	5 PSF

SEE PLAN FOR

6 -0"

6 HAIRPIN DETAIL
Scale: 1/2" = 1 -0"

#6 HAIRPIN

REINFORCING

5. SNOW LOAD: **GROUND SNOW LOAD: 5 PSF** FLAT-ROOF SNOW LOAD (Pf) = 5 PSF SNOW EXPOSURE FACTOR (Ce) = 1.0 SNOW LOAD IMPORTANCE FACTOR (I) = 1.0 THERMAL FACTOR (t) = 1.2

WIND LOAD: WIND SPEED (3-SECOND GUST): 120 mph WIND IMPORTANCE FACTOR (lw) = 1.0 BUILDING CATEGORY II

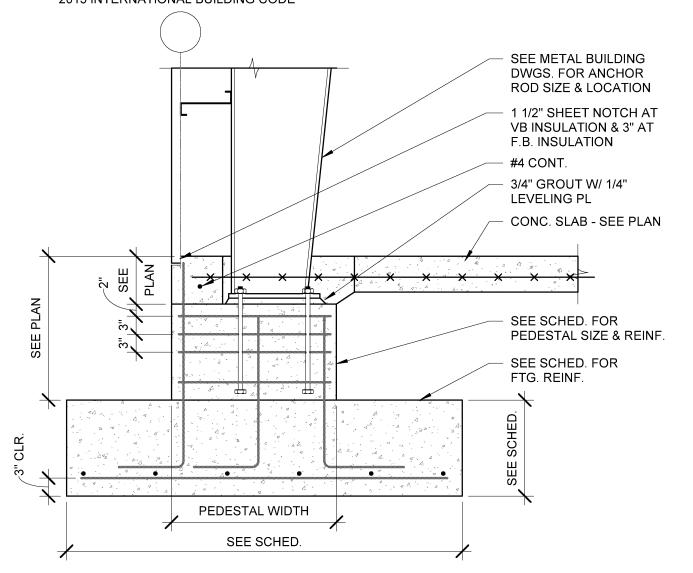
WIND EXPOSURE CATEGORY C

OCCUPANCY CATEGORY II IMPORTANCE FACTOR = 1.0 SDS = 0.1210SD1 = 0.0713SEISMIC SITE CLASS D SEISMIC DESIGN CATEGORY B BASIC STRUCTURAL SYSTEM - PER MBM SEISMIC RESISTING SYSTEM - PER MBM RESPONSE MODIFICATION COEFFICIENT (R) = PER MBM

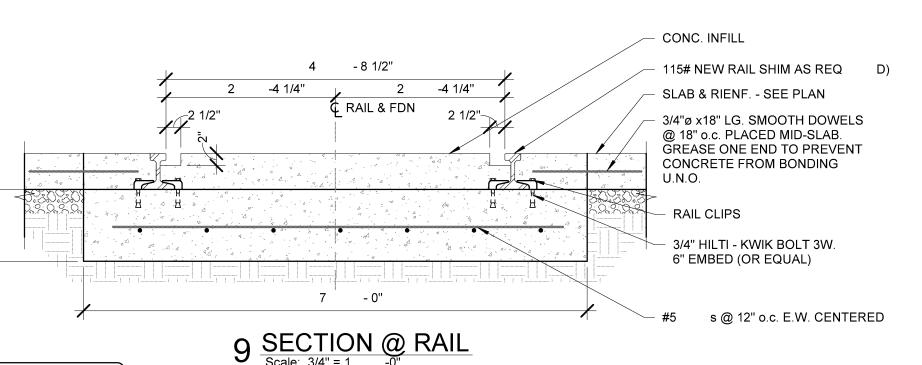
8. BUILDING CODE: · 2015 INTERNATIONAL BUILDING CODE

DEFLECTION AMPLIFICATION FACTOR (Cd) = PER MBM

ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE PROCEDURE



5 SECTION @ TYP. EXT. COLUMN

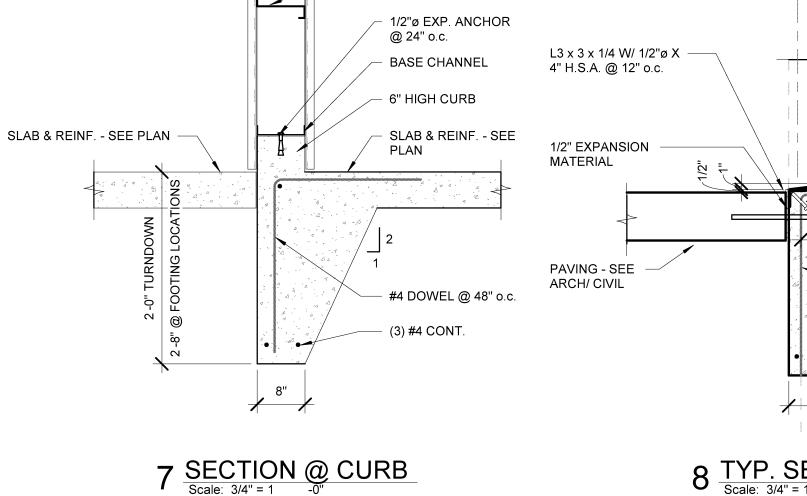


METAL BLDG. ANCHOR BOLT SCHEDULE BOLT EMBEDMENT THREAD REMARKS DIAMETER LENGTH "E" PROJ. "B" 1"ø 1 -8" ----7/8''ø 1 -8" 5" -----3/4"ø 1 -8" 5" -----5/8''ø 1 -4" 1/2"ø

METAL BLDG. ANCHOR BOLT SCHEDULE NOTES: SEE METAL BUILDING ANCHOR BOLT SETTING PLAN FOR SIZE & LOCATION OF ANCHOR BOLTS.

SEE PLAN FOR REINFORCING SEE ARCHITECTURAL FOR WALL LOCATIONS 1 1/2" SHEET NOTCH AT VB INSULATION & 3" AT F.B. INSULATION 1/2"ø EXP. ANCHOR @ 24" o.c. BASE CHANNEL CRUSHED STONE BASE 1 CONC. CONTROL JT. SLAB & REINF. - SEE PLAN COAT EXPOSED VERTICAL SURFACES OF CONCRETE WITH BOND BREAKER BEFORE POURING ADJACENT STRIP 3/4" DIA. x 18" LG. SMOOTH DOWELS @ 18" o.c. PLACED AT MID-SLAB. GREASE #4 DOWEL @ 48" o.c. ONE END TO PREVENT CONCRETE FROM BONDING U.N.O.

3 SECTION @ TYP. TURNDOWN CRUSHED STONE BASE 2 <u>TYP. CONC. CONST. JT.</u>



8 TYP. SECTION @ OVHD DOOR

WALL BEYOND

PAVING - SEE ARCH./CIVIL

SLAB & REINF. - SEE PLAN

#4 DOWELS @ 48" o.c.

WALL BEYOND

SLOPE FLOOR @ DOOR

3/4" DIA. x 18" LG. SMOOTH

TO PREVENT CONCRETE

FROM BONDING U.N.O.

#4 DOWELS @ 48" o.c.

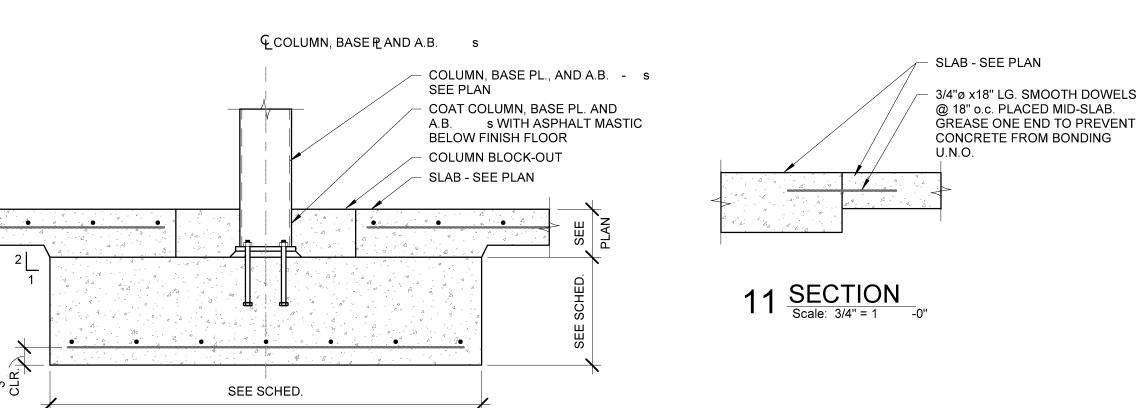
DOWELS @ 18" o/c. PLACED AT

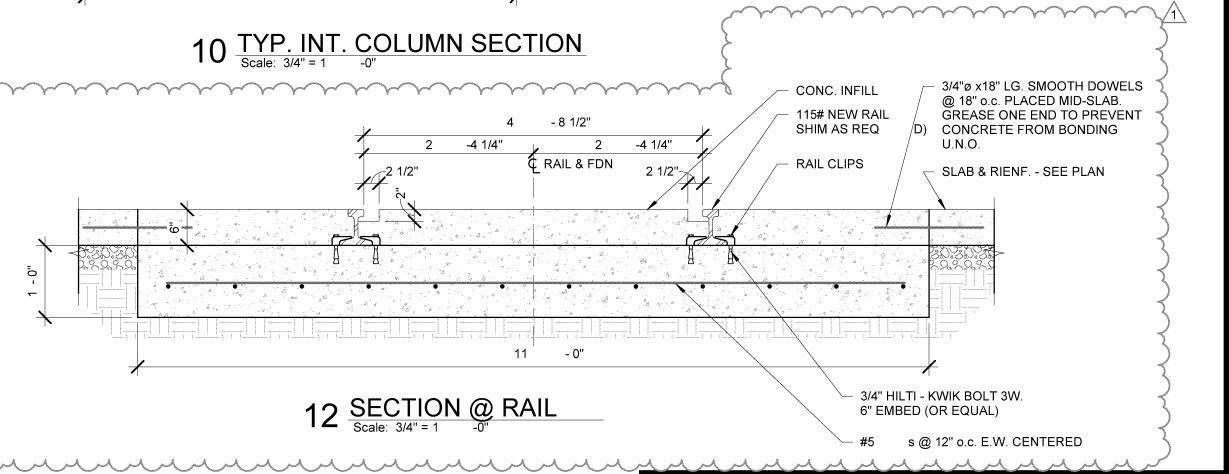
MID-SLAB. GREASE ONE END

(3) #4 CONT.

4 SECTION @ WALKDOOR

1 1/2" SHEET NOTCH BEYOND





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PRELIMINARY NOT FOR CONSTRUCTION

> PROJECT NO. 2114MS DRAWN BY CN

DESIGN LEADER CK

CHECKED BY REVIEWED BY

(PROJECT MANAGER)

& BLA ICES, ISSIP 0 AIR SHORCAR SER

NEW REPA AITX RAILC BROOKHA

Sheet Name FDN. GEN. NOTES & TYP DTLS.

10-01-2021

S0.1R Sheet

TYPICAL STRUCTURAL ARREVIATIONS

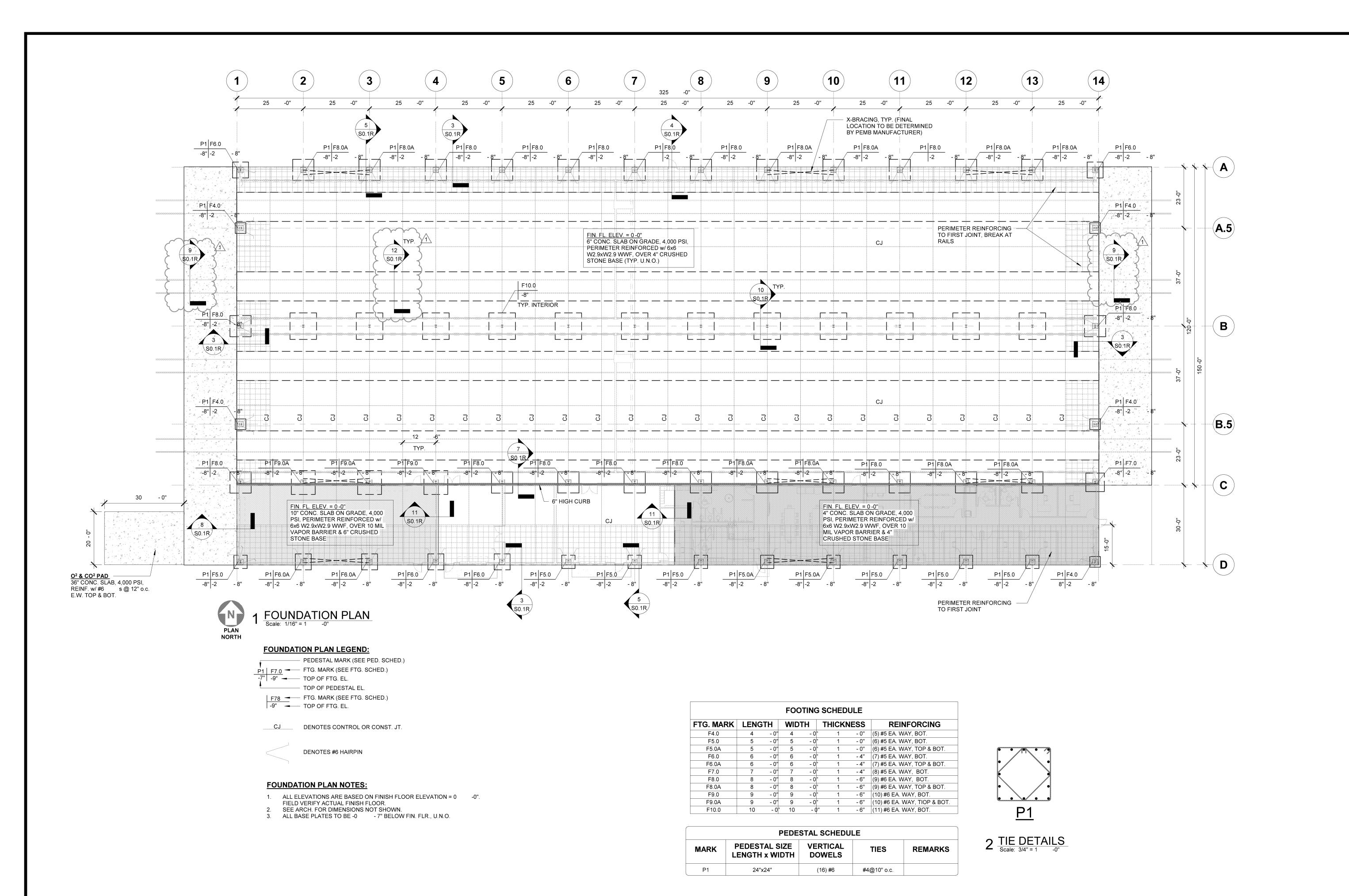
TYPICAL STRUCTURAL ABBREVIATIONS					
ACI	AMERICAN CONCRETE	EXP	EXPANSION	PEMB	PRE-ENGINEERED
	INSTITUTE	FIN.	FINISH		METAL BUILDING
AISC	AMERICAN INSTITUTE OF	FLR	FLOOR	PL, or PL	PLATE
	STEEL CONSTRUCTION	FDN	FOUNDATION	PLF	POUNDS PER FOOT
ASTM	AMERICAN SOCIETY OF	FTG	FOOTING	PROJ	PROJECTION
	TESTING MATERIALS	F.S.	FAR SIDE	PSF	POUNDS PER SQUARE FOOT
AB	ANCHOR BOLT	GA	GAUGE	PSI	POUNDS PER SQUARE INCH
L	ANGLE	GALV	GALVANIZED	R	RADIUS
ARCH	ARCHITECT	HK	HOOK	REINF	REINFORCEMENT
BLDG	BUILDING	HORIZ	HORIZONTAL	REQ	DREQUIRED
BM	BEAM	H.S.A.	HEADED STUD ANCHOR	RTU	ROOF TOP UNIT
ВОТ	BOTTOM	J.B.E.	JOIST BEARING ELEVATION	SCHED	SCHEDULE
BRG	BEARING	JST	JOIST	SECT	SECTION
<u>E</u>	CENTER LINE	JT	JOINT	SIM	SIMILAR
CLR	CLEAR	LLH	LONG LEG HORIZONTAL	SJI	STEEL JOIST INSTITUTE
COL	COLUMN	LLV	LONG LEG VERTICAL	S.O.G.	SLAB ON GRADE
CONC	CONCRETE	LONG.	LONGITUDINAL	SPA	SPACING
CONN	CONNECTION	LG	LONG	SPECS	SPECIFICATIONS
CONT	CONTINUOUS	MAX	MAXIMUM	STD	STANDARD
DIA, or Ø	DIAMETER	MECH	MECHANICAL	STL	STEEL
DIM	DIMENSION	MBM	METAL BUILDING	TOC	TOP OF CONCRETE
DTL	DETAIL		MANUFACTURER	TOF	TOP OF FOOTING
DN	DOWN	MIN	MINIMUM	TOS	TOP OF STEEL
do	DITTO	MISC	MISCELLANEOUS	TOW	TOP OF WALL
DWG	DRAWING	MFR	MANUFACTURER	TRANS.	TRANSVERSE
DWL	DOWEL	MTL	METAL	TYP	TYPICAL
EA	EACH	N.S.	NEAR SIDE	UNO	UNLESS NOTED OTHERWISE
EL	ELEVATION	O.C.	ON CENTER	VERT	VERTICAL
EQ	EQUAL	O.F.	OUTSIDE FACE	W/	WITH
EW	EACH WAY	OPNG	OPENING	WP	WORK POINT

WWF WELDED WIRE FABRIC

OVHD OVERHEAD

NUT AND WASHER LEVELING NUT T.O. CONC. EL. SEE PLAN F1554 ROD **NUT AND WASHER** TACK WELD NUT TO ROD

COORDINATE REQUIRED PROJECTION WITH METAL BUILDING MANUFACTURER.



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NEW REPAIR SHOP & BLAST/PAINT FACILIT AITX RAILCAR SERVICES, LLC BROOKHAVEN, MISSISSIPPI

Sheet Name

Sheet

FOUNDATION PLAN

PRELIMINARY

NOT FOR

CONSTRUCTION

PROJECT NO. 2114MS

DRAWN BY CN

CHECKED BY

REVIEWED BY

DESIGN LEADER CK

(PROJECT MANAGER)

10-01-2021

S1.1R

