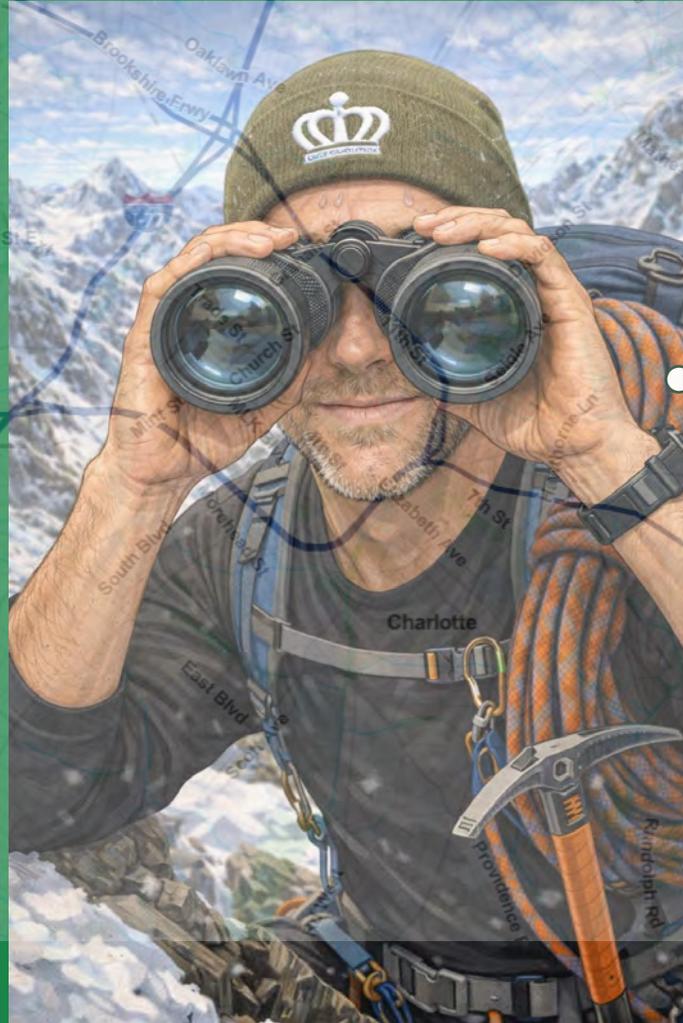


Common Plan Preparation Issues & Guidance

MARCH 4, 2026

I Spy



**This time you
participate.
Help me find
the issues.**

Issue: Project Team Sign-Off Block

End Project
Sta. 20+40.00 -L-

RECOMMENDED FOR CONSTRUCTION	
CDOT - Design	
CDOT - Implementation	
CLT Water	
Construction Administration	
Contract Administration	
Engineering Services	
Landscape Management	
Planning, Design & Development	
Storm Water Services	
Utility Coordination	

GRAPHIC SCALES

Plan View	20	40	60
Horz. Profile	20	40	60
Vert. Profile	4	8	12
Cross Section	5	10	15


CHARLOTTE
GENERAL SERVICES

Bid Set No. _____

APPROVED _____ **FOR CITY ENGINEER** _____ **DATE** _____

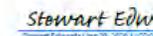
Solution: Project Team Signoff PDF

- ▶ Simple PDF form
- ▶ Doesn't require certified signatures
- ▶ Keeps certification intact for signed/sealed plans
- ▶ City PM responsible for this task (not the Consultant)

Final plans are ready for construction for ARW.016 Arrowood Rd PHB at Kings Ridge Dr

100% plans, including all known corrections and revisions, were completed on 1/27/26

Your signature below is requested to confirm that you agree that all of your comments have been addressed and that you have participated in the development and review of ARW.016 Arrowood Rd PHB at Kings Ridge Dr

CDOT Design	 <small>Matt Magnasco (Jan 27, 2026 10:01:01 EST)</small>
CDOT Implementation	 <small>Jimmy Rhyno (Jan 27, 2026 10:25:50 EST)</small>
CLT Water	 <small>Patrick Turner (Jan 26, 2026 10:51:02 EST)</small>
Construction Administration	 <small>Karol Griffin (Jan 30, 2026 11:40:18 EST)</small>
Engineering Services	
Landscape Management	 <small>Charles Schenk (Jan 29, 2026 10:57:00 EST)</small>
Planning, Design, & Development	 <small>Tolu Abikunle (Jan 28, 2026 12:53:41 EST)</small>
Storm Water	 <small>Stewart Edwards (Jan 28, 2026 11:25:01 EST)</small>
Utility Coordination	 <small>Karol Griffin (Jan 30, 2026 10:11:23 EST)</small>



Issue: Plan Layout Does Not Match Checklist

INDEX OF SHEETS	
Cover Sheet	1
General Notes and Details	2-2B
Typical Sections.....	3
Drainage Summaries and Stormwater Mgmt Details.....	3A-3G
Plan & Profile	4-6
Traffic Control	TCP1-TCP5
Pavement Marking Plan.....	PMP1-PMP3
Signing Plan.....	SIGN1-SIGN2
Accession Control	EC1-EC9
Utility Offset	UO01-UO03
Cross	X1-X9
Sign	SIG1-SIG4
Temporary Plans	SIG1-SIG4
TOTAL SHEETS <u>61</u>	



Solution: Utilize the Plan Milestone Checklist

- ▶ Great for Plan QC
- ▶ Contains LOTS of great information
- ▶ Best Practice: Insert directly into plan Set
- ▶ Can be found here: <https://www.charlottenc.gov/Growth-and-Development/Doing-Business/SPdetails>

C. Preliminary Design Plans Checklist (Place a Check Mark, or N/A)

Note: All plans submitted must be 24" X 36" Black-Line PDFs. Each sheet should have a "Plans Prepared By:" block and have the stamping "Preliminary Plans – Do Not Use for Construction".

- ___ Verify latest CAD standards and sheet templates are used
- ___ Update all items from Feasibility design that have changed

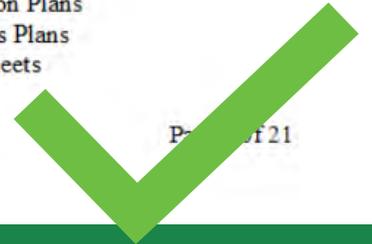
1. Title Sheet (Use City of Charlotte Standard Cover Sheet)

- ___ Vicinity Map is "complete" and "accurate"
(Includes at least two major streets and an intersection)
(Show North Arrow inside vicinity map)

- ___ Index of Sheets (Varies per Project)

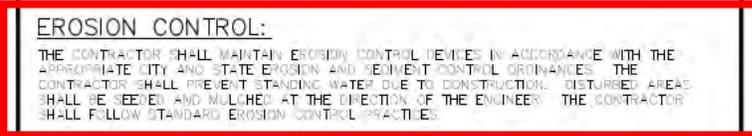
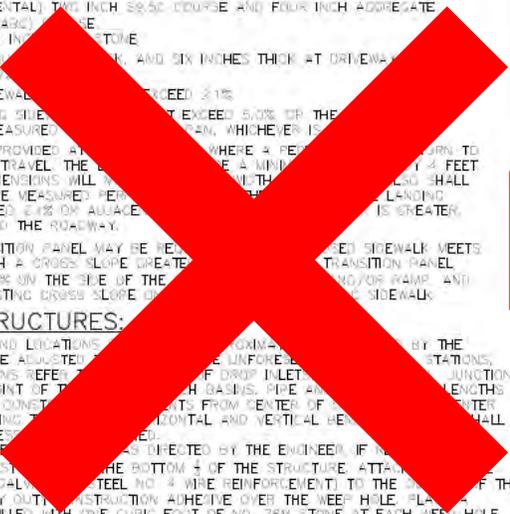
Suggested Layout:

-- Sheet 1	Title Sheet
-- Sheet 2, 2A, 2B, etc (2 Series)	General Notes, Standard Abbreviations & Various Details (including ramp details)
-- Sheet 3, 3A, 3B, etc (3 Series)	Typical Sections, Drainage Summary, other summary tables as needed and directed by the City
-- Sheets 4 thru XX	Plan & Profile Sheets
-- Sheets TCP1 thru TCPxx	Traffic Control Plans
-- Sheets PM1 Thru PMxx	Pavement Marking & Signing Plans
-- Sheets EC1 thru ECxx	Erosion Control Plans
-- Sheets SP1 thru SPxx	Construction Staking Plans
-- Sheets SIG1 thru SIGxx	Signal Plans
-- Sheets UC1 thru UCxx	Utility Construction Plans
-- Sheets UBO1 thru UBOxx	Utilities By Others Plans
-- Sheets X1 thru Xxx	Cross-Sections Sheets



Issue: Using Outdated General Notes

GENERAL NOTES	GENERAL NOTES	ABBREVIATIONS
<p>PROPOSED CURB ELEVATIONS: THE CONTRACTOR SHALL SET AND ADJUST PROPOSED CURB ELEVATIONS AS NECESSARY TO ENSURE PROPER LONGITUDINAL GRADE FOR DRAINAGE. THE CONTRACTOR SHALL RETAIN EXISTING PAVEMENT, UNLESS OTHERWISE NOTED.</p> <p>DRIVEWAYS AND SIDEWALKS: PROPOSED DRIVEWAY ENTRANCE DIMENSIONS ARE FROM EXPANSION JOINT TO EXPANSION JOINT. MATCH REPLACEMENT MATERIALS TO THE EXISTING SURFACE ACCORDINGLY.</p> <ul style="list-style-type: none"> CONCRETE – SIX INCH PORTLAND CEMENT CONCRETE (5600 PSI) ASPHALT – (COMMERCIAL) TWO INCH 565C COURSE AND FOUR INCH (RESIDENTIAL) TWO INCH 565C COURSE AND FOUR INCH INTERMEDIATE COURSE (RESIDENTIAL) TWO INCH 565C COURSE AND FOUR INCH AGGREGATE BASE (AGG) COURSE GRAVEL – SIX INCH IN 3/4" STONE <p>SIDEWALK SHALL BE FOUR INCH THICK AND SIX INCHES THICK AT DRIVEWAY PER CITY STD. NO. 10.0.</p> <p>CROSS SLOPES ON SIDEWALKS SHALL NOT EXCEED 2.1%.</p> <p>RUNNING SLOPES ALONG SIDEWALKS SHALL NOT EXCEED 5.0% OR THE ROADWAY SLOPE AS MEASURED AT THE CUTTER PAN, WHICHEVER IS GREATER.</p> <p>A LANDING SHALL BE PROVIDED AT ALL LOCATIONS WHERE A PEDESTRIAN MIGHT TURN TO CHANGE DIRECTION OF TRAVEL. THE LANDING SHALL BE A MINIMUM OF 4 FEET BY 4 FEET. TYPICALLY LANDING DIMENSIONS WILL MATCH THE WIDTH OF THE SIDEWALK. THE LANDING SHALL NOT EXCEED 2.1% SLOPE MEASURED PERPENDICULAR TO THE ROADWAY. THE LANDING ALSO SHALL NOT EXCEED 2.1% OR ADJACENT ROADWAY SLOPE, WHICHEVER IS GREATER, MEASURED PARALLEL TO THE ROADWAY.</p> <p>A CROSS SLOPE TRANSITION PANEL MAY BE REQUIRED WHERE A SIDEWALK MEETS AN EXISTING SIDEWALK. WITH A CROSS SLOPE GREATER THAN 2.1% THE TRANSITION PANEL SHALL NOT EXCEED 2.1% ON THE SIDE OF THE SIDEWALK. THE TRANSITION PANEL SHALL MATCH THE EXISTING CROSS SLOPE OF THE ADJACENT SIDEWALK.</p> <p>DRAINAGE STRUCTURES: GRADES, ELEVATIONS AND LOCATIONS OF DRAINAGE STRUCTURES SHALL BE AS SHOWN BY THE ENGINEER. THEY MAY BE ADJUSTED AS NECESSARY TO MAINTAIN UNIFORM SLOPES. OFFSETS AND ELEVATIONS REFER TO THE EXISTING FINISHED GRADE. LOCATIONS OF DRAINAGE BOXES, AND THE MIDPOINT OF DRAINAGE STRUCTURES SHALL BE REPORTED IN THE CONSTRUCTION PLANS. LENGTHS OF STRUCTURES INCLUDING TRANSITION PANELS SHALL BE REPORTED IN THE CONSTRUCTION PLANS. HORIZONTAL AND VERTICAL REVISIONS SHALL BE PER CLASS III UNLESS OTHERWISE NOTED.</p> <p>WEEP HOLES ARE TO BE PROVIDED AS DIRECTED BY THE ENGINEER. IF NOT SPECIFIED, WEEP HOLES ARE TO BE CONSTRUCTED AT THE BOTTOM 1/4 OF THE STRUCTURE. ATTACH WITH CLOTH (ALUMINUM OR GALVANNEED STEEL NO. 4 WIRE REINFORCEMENT) TO THE INSIDE OF THE STRUCTURE WITH HEAVY DUTY CONSTRUCTION ADHESIVE OVER THE WEEP HOLE. PLACE A POROUS FABRIC BAG FILLED WITH ONE CUBIC FOOT OF NO. 78M STONE AT EACH WEEP HOLE AGAINST THE HARDWARE CLOTH. THERE WILL BE NO SEPARATE PAYMENT FOR THIS WORK.</p> <p>UTILITIES: UTILITIES ARE ILLUSTRATED FOR INFORMATION PURPOSES ONLY. THE CITY WILL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF UTILITY LOCATIONS, SIZES, DEPTHS, OR FOR COMPLETENESS OF UTILITY INFORMATION.</p> <p>PRIOR TO CONSTRUCTION AND VIA THE CITY UTILITY COORDINATOR AND CITY INSPECTOR, THE CONTRACTOR SHALL NOTIFY AND MEET WITH ALL UTILITIES AFFECTED TO DETERMINE UTILITY LOCATIONS. THE CONTRACTOR SHALL PROTECT ALL UTILITIES FROM DAMAGE CAUSED BY HIS OPERATIONS OR THOSE OF HIS AGENTS. THE CONTRACTOR SHALL HOLD THE CITY HARMLESS FOR ANY THIRD-PARTY INCONVENIENCE CREATED BY WORK OF HIS OWN FORCE OR THAT OF HIS AGENTS. ANY DAMAGES INCURRED SHALL BE THE CONTRACTOR'S FINANCIAL RESPONSIBILITY.</p> <p>AS NEEDED, THE CONTRACTOR SHALL ADJUST/RELOCATE THE SANITARY SEWER AND WATER LINES ONLY. ALL OTHER ADJUSTMENTS/RELOCATIONS WILL BE PERFORMED BY THE VARIOUS UTILITY OWNERS. VIA THE CITY UTILITY COORDINATOR AND CITY INSPECTOR, THE CONTRACTOR SHALL COORDINATE WORK WITH UTILITY OWNERS SO AS NOT TO ADVERSELY AFFECT THE PROJECT SCHEDULE. THE CITY WILL NOT BE HELD RESPONSIBLE FOR ANY DELAYS OR OBSTRUCTIONS TO THE WORK SCHEDULE OF OTHER UTILITY OWNERS. THE CONTRACTOR SHALL STAY A MINIMUM OF 5 FEET AWAY FROM ALL UTILITY POLES.</p> <ul style="list-style-type: none"> FOR UTILITY LOCATES CALL NORTH CAROLINA ONE-CALL @ 1-800-632-8989. 	<p>FENCES: THE CONTRACTOR SHALL REMOVE AND RESET FENCES AS NOTED ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.</p> <p>TREES, SHRUBS, AND HEDGES: THE CONTRACTOR IS REQUIRED TO REMOVE TREES, SHRUBS, AND HEDGES WITHIN THE ERECTION LINES UNLESS SHOWN ON THE PLANS TO BE PROTECTED. WHEN ROOT PRUNING IS NECESSARY, CUT ROOTS CLEARLY USING A ROOT TRUNCATOR IN ACCORDANCE WITH SECTION 6000 OF THE CITY OF CHARLOTTE LANDSCAPE CONSTRUCTION STANDARDS. PRUNING SHALL BE PER THE LATEST STANDARD OF THE LANDSCAPE CONSTRUCTION STANDARDS MANUAL (LTM). USE PLYWOOD FORMS WHEN TREE ROOTS ARE ADJACENT TO PROPOSED CURB & CUTTER OR SIDEWALK. USE OLD STD. 40.01 FOR BRACING TREE ROOTS. TREES SPECIFIED BY THE PLANS TO HAVE ASPHALT CURSING MUST USE OLD STD. 40.13. TREE PROTECTION SHALL BE IN ACCORDANCE WITH OLD STD. 40.02. WHEN THE TREE IS CLOSE TO THE WORK AREA TREE PROTECTION OLD STD. 40.12 SHALL BE USED.</p> <p>SIDE SLOPES: LIMITS OF PROPOSED SLOPES ARE INDICATED IN THE PLANS, DETAILS AND STANDARD DRAWINGS. THE MAXIMUM SLOPE SHALL NOT EXCEED A 3:1 (HORIZONTAL TO VERTICAL) UNLESS DESIGNATED BY THE ENGINEER. A CUT SLOPE OF 2:1 MAXIMUM WILL BE USED ONLY AS DIRECTED BY THE ENGINEER.</p> <p>EROSION CONTROL: THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL DEVICES IN ACCORDANCE WITH THE APPROPRIATE CITY AND STATE EROSION AND SEDIMENT CONTROL ORDINANCES. THE CONTRACTOR SHALL PREVENT STANDING WATER DUE TO CONSTRUCTION. DISTURBED AREAS SHALL BE SEEDED AND MULCHED AT THE DIRECTION OF THE ENGINEER. THE CONTRACTOR SHALL FOLLOW STANDARD EROSION CONTROL PRACTICES.</p> <p>ACCESSIBLE RAMPS AND DEPRESSED CURB: THE CONTRACTOR SHALL CONSTRUCT 6-INCH THICK CONCRETE ACCESSIBLE CURB RAMPS AT INTERSECTIONS IN ACCORDANCE WITH THE LATEST REVISIONS FOR ACCESSIBLE CURB RAMPS DETAILS. PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY (PROWAC), CONSTRUCTION PLANS & PROJECT STANDARD DRAWINGS.</p> <p>RUNNING SLOPES ALONG CURB RAMPS SHALL NOT EXCEED 8.3% UNLESS RAMP IS GREATER THAN OR EQUAL TO 16 FEET LONG. RAMP MUST MAINTAIN CONSISTENT RUNNING SLOPE.</p> <p>FLARES SHALL BE 10.0% MAXIMUM SLOPE (WHEN APPLICABLE) UNLESS OTHERWISE DIRECTED BY THE ENGINEER.</p> <p>RAMP CROSS SLOPE SHALL NOT EXCEED 2.1% OR THE ADJACENT ROADWAY SLOPE AS MEASURED AT THE CUTTER PAN, WHICHEVER IS GREATER.</p> <p>A LANDING SHALL BE PROVIDED AT ALL LOCATIONS WHERE A PEDESTRIAN MIGHT TURN TO CHANGE DIRECTION OF TRAVEL. THE LANDING SHALL BE A MINIMUM OF 4 FEET BY 4 FEET UNLESS NOTED BY THE ENGINEER. TYPICALLY LANDING DIMENSIONS WILL MATCH SIDEWALK WIDTH. THE LANDING SHALL NOT EXCEED 2.1% SLOPE MEASURED PERPENDICULAR TO THE ROADWAY. THE LANDING ALSO SHALL NOT EXCEED 2.1% OR ADJACENT ROADWAY SLOPE, WHICHEVER IS GREATER, MEASURED PARALLEL TO THE ROADWAY.</p> <p>SAWCUTS: THE CONTRACTOR SHALL SAWCUT EXISTING ASPHALT AND/OR CONCRETE SURFACES PRIOR TO REMOVAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SAW CUT WIDTH SHALL BE 1 FOOT MINIMUM FROM THE EXISTING EDGE OF PAVEMENT. SAW CUT PAVEMENT SHALL BE REPLACED AS WELL AS ADDITIONAL PAVEMENT REQUIRED TO TIE-IN TO FACE OF PROPOSED CURB AND CUTTER.</p> <p>TRAFFIC CONTROL: TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF THE "WORK AREA TRAFFIC CONTROL HANDBOOK" (WATCH) AND THE TRAFFIC CONTROL PLANS ON TRIP-TIP.</p>	<p>ABAND..... ABANDONED A.D..... ALGEBRAIC DIFFERENCE ASH..... ASPHALT APPROX..... APPROXIMATELY BOL..... BACK OF CURB BIT..... BITUMINOUS BM..... BENCH MARK BRG..... BEARING CBF..... CATCH BASIN C&C..... CURB AND CUTTER CL..... CLEARANCE C/L FENCE..... CHAIN LINK FENCE CMP..... CORRUGATED METAL PIPE CONC..... CONCRETE CONST..... CONSTRUCTION DB..... DEED BOOK DCB..... DOUBLE CURB DI..... DRAINAGE INLET DIA..... DIAMETER DWA..... DRIVEWAY DIM..... DIMENSION E..... EAST/EASTING EACH..... EACH ELEV..... ELEVATION EOP..... EDGE OF PAVEMENT ESENT..... EASEMENT EXIST..... EXISTING F/C..... FACE OF CURB FES..... FLARED END SECTION FH..... FINE HYDRANT FOC..... FIBER OPTIC CABLE GV..... GAS VALVE HORIZ..... HORIZONTAL INT..... INTERSECTION INV..... INVERT IP..... IRON PIN SET L..... LENGTH LF..... LINEAR FOOTAGE LT..... LEFT lb..... POUND LP..... LIGHT POLE MAX..... MAXIMUM MIN..... MINIMUM MONL..... MONOLITHIC MPL..... MILES PER HOUR MTL..... METAL N..... NORTH/NORTHING NTS..... NOT TO SCALE O/H..... OVER HEAD OC..... ON CENTER PAVT..... PAVEMENT PC..... POINT OF CURVATURE PERM..... PERMANENT PG..... PAGE PL..... POINT OF INT PK..... PK NAIL SET PPL..... POWER POLE PROP..... PROPOSED PSE..... PERM SW EXIST PT..... POINT OF TANGENCY PVI..... POINT OF VERT INT R..... RADIUS R/C..... ROAD GRADE RT..... RIGHT RCP..... REINFORCED CONCRETE PIPE RELDC..... RELocate R/W..... RIGHT OF WAY S..... SOUTH SD..... STORM DRAIN SF..... SQUARE FOOT S/F FENCE..... SHUT BAIL FENCE</p>



Solution: Use Latest City CAD Standards

- ▶ Contains most current General Notes sheet

- ▶ Correct erosion control note

- ▶ Pro tip: For very small projects w/ DA < 1ac, do not need EC sheets

- ▶ Can be found here: <https://www.charlottenc.gov/Growth-and-Development/Doing-Business/CADstandards>

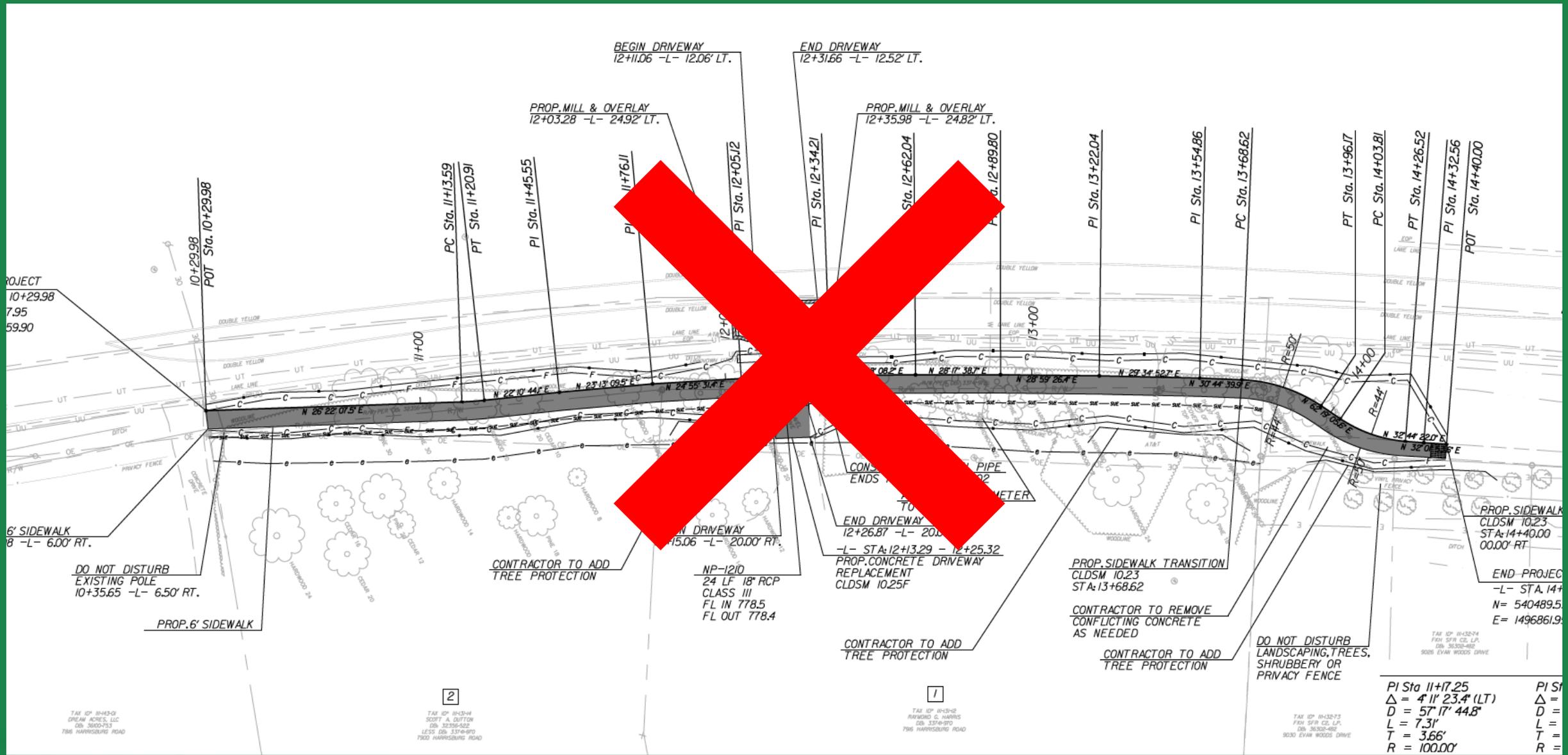
EROSION CONTROL:

THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL DEVICES IN ACCORDANCE WITH THE APPROPRIATE CITY AND STATE EROSION AND SEDIMENT CONTROL ORDINANCES. THE CONTRACTOR SHALL PREVENT STANDING WATER DUE TO CONSTRUCTION. DISTURBED AREAS SHALL BE SEEDED AND MULCHED AT THE DIRECTION OF THE ENGINEER. THE CONTRACTOR SHALL FOLLOW THE EROSION CONTROL MEASURES SHOWN ON SHEET 4.

DISTURBED AREA IS 0.33 AC; THEREFORE, NO EROSION CONTROL PERMIT IS REQUIRED FOR THIS PROJECT.



Issue: Using NCDOT CAD Standards on City Projects



Solution: Using Latest City CAD Standards

- ▶ Consistency is KEY
- ▶ Makes collaboration easier
- ▶ Saves time and cost for everyone
- ▶ Professionalism and client satisfaction
- ▶ Can be found here: <https://www.charlottenc.gov/Growth-and-Development/Doing-Business/CADstandards>

CAD standards documents

NOTE: Most documents are zipped files that will automatically download when clicked on.

 [Engineering](#) (ZIP, 92MB)



 [Stormwater](#) (ZIP, 377MB)

 [Survey](#) (ZIP, 1MB)

 [CDOT Traffic Signals](#) (ZIP, 14MB)



Issue: Pasting Standard Details on Plan Sheets

RAMP NOTES

DESIGN SLOPES SHOWN ON THIS SHEET ARE APPROXIMATE. REFER TO GENERAL NOTES ON SHEET 2 FOR REQUIREMENTS.

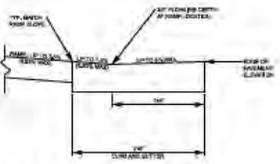
NEW RAMP AND SIDEWALK CROSS SLOPES SHALL NOT EXCEED THE MAXIMUM ALLOWABLE AS DETAILED IN THE GENERAL NOTES ON SHEET 2.

LAYOUT AND LOCATION OF RAMPS MUST BE INSPECTED AND VERIFIED BY THE INSPECTOR PRIOR TO CONCRETE PLACEMENT.

DETECTABLE WARNING DOME WIDTH SHALL MATCH PROPOSED RAMP WIDTH SHOWN.

PROVIDE TURNING SPACE (LANDING) FOR ALL RAMPS IN LOCATION SPECIFIED IN DETAILS AND PER MAXIMUM SLOPES SPECIFIED IN GENERAL NOTES ON SHEET 2.

PROVIDE CROSS SLOPE TRANSITION PANEL IN LOCATIONS SPECIFIED IN DETAILS AND PLANS AND PER SLOPES AS SPECIFIED IN GENERAL NOTES ON SHEET 2.

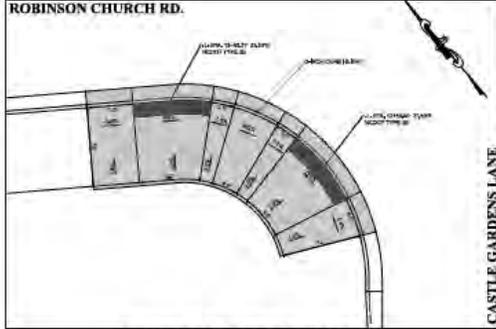


2'-6" CURB AND GUTTER RAMP DETAIL

(SEE GENERAL NOTES AND SHEET 2 FOR THE LOCATION OF THIS DETAIL)



ROBINSON CHURCH RD.



CURB RAMP DETAIL 1

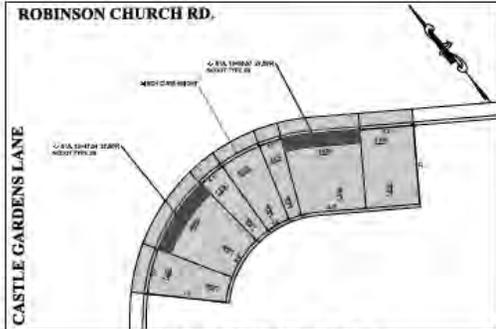


NO.	REV.	DESCRIPTION

PRELIMINARY
Do Not Use For Construction

APPROVED	DATE	SCALE	REV.	DATE	SCALE

ROBINSON CHURCH RD.



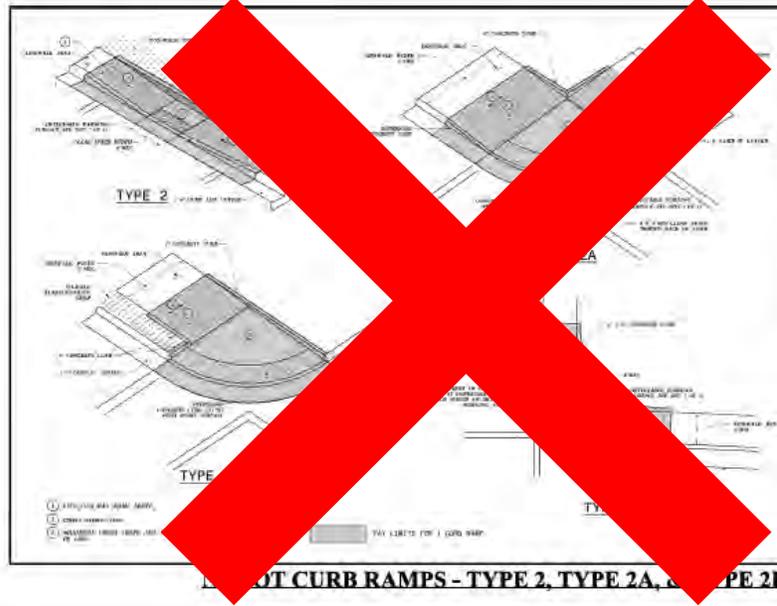
CURB RAMP DETAIL 2



ROADWAY STANDARD DRAWINGS FOR:
CURB RAMP
PARALLEL RAMP

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

848-06



NOT CURB RAMPS - TYPE 2, TYPE 2A, TYPE 2B

ROADWAY STANDARD DRAWINGS FOR:
CURB RAMP
PARALLEL RAMP

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

848-06

15/07/2015
C:\Users\jgibson\OneDrive\Documents\Projects\2015\15-07-2015\15-07-2015.dwg

ROADWAY STANDARD DRAWINGS FOR:
CURB RAMP
PARALLEL RAMP

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

848-06

SHEET
2A
OF
4

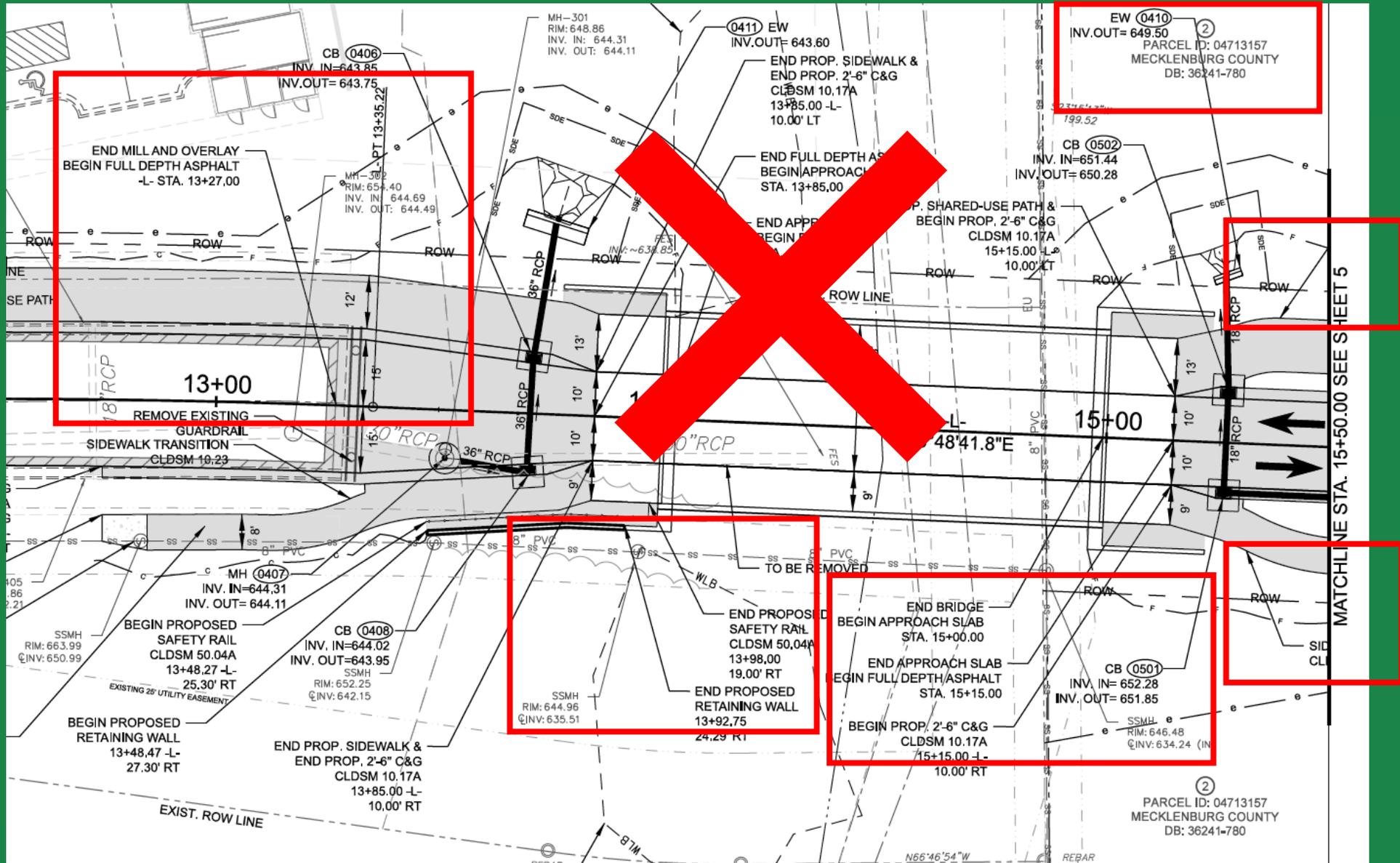
CITY of CHARLOTTE

Solution: Reference Standards Only

- ▶ Time gap between final plans and actual construction
- ▶ Ensures most current standard is specified
- ▶ Reduces contractor confusion and potential change orders

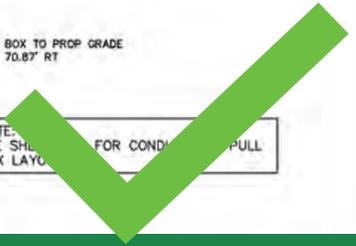
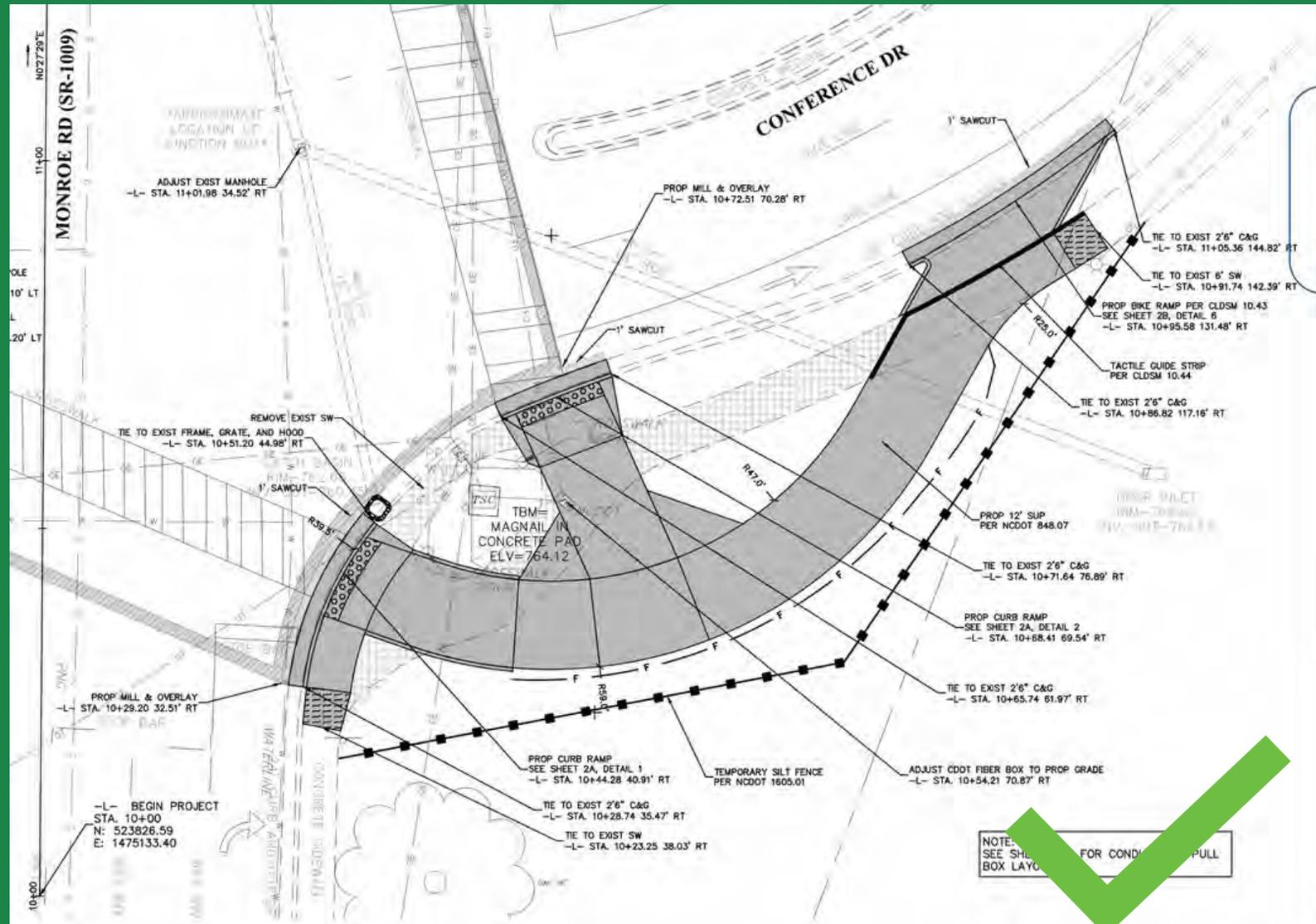
STANDARDS	
THE FOLLOWING STANDARDS AND THE LATEST REVISION THERETO ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE ARE CONSIDERED A PART OF THESE PLANS. NCDOT STANDARDS SHALL BE USED. CHARLOTTE LAND DEVELOPMENT STANDARDS MAY BE USED IF THERE IS NOT AN APPLICABLE NCDOT STANDARD.	
<u>NCDOT:</u>	
<u>STD. NO.:</u>	<u>TITLE:</u>
846.01.....	CONCRETE CURB, GUTTER AND CURB & GUTTER
848.06.....	CURB RAMP ←
1101.01.....	WORK ZONE ADVANCE WARNING SIGNS
1101.02.....	TEMPORARY LANE CLOSURES
1101.11.....	TRAFFIC CONTROL DESIGN TABLES
1110.01.....	STATIONARY WORK ZONE SIGNS
1110.02.....	PORTABLE WORK ZONE SIGNS
1115.01.....	FLASHING ARROW BOARDS
1130.01.....	DRUMS
<u>CHARLOTTE:</u>	
<u>STD. NO.:</u>	<u>TITLE:</u>
10.18.....	.18" VERTICAL CURB
10.22.....	CONCRETE SIDEWALKS
10.23.....	SIDEWALK TRANSITION
10.35B.....	TRUNCATED DOMES PLAN AND CROSS SECTIONS
30.06A.....	TEMPORARY SLIT FENCE
30.09.....	HARDWARE CLOTH AND GRAVEL INLET PROTECTION
30.15.....	CATCH BASIN INLET PROTECTION
50.14.....	PIANO-STYLE CROSSWALK
<u>CATS:</u>	
<u>STD. NO.:</u>	<u>TITLE:</u>
60.03C.....	BUS STOP WITH 5'x10' SHELTER WITHOUT PLANTING STRIP
60.03E.....	BUS STOP WITH 5'x10' SHELTER AND PLANTING STRIP
60.07A.....	CONCRETE DECK
60.07B.....	GENERAL NOTES
60.07C.....	GENERAL NOTES

Issue: Jumbled, Spillover, and Overwritten Text

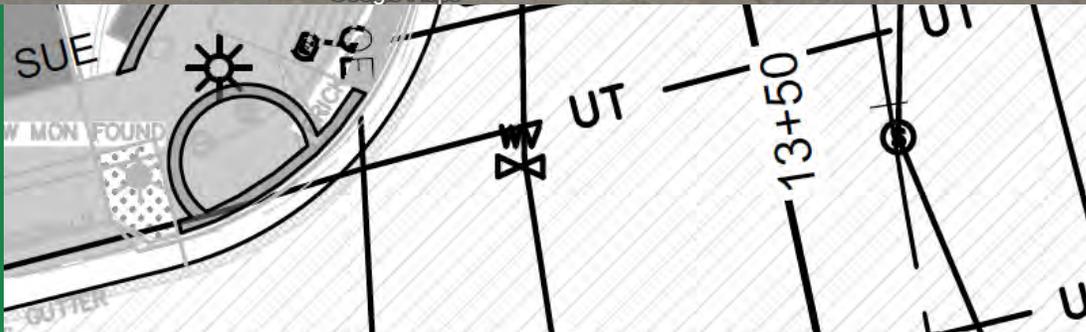
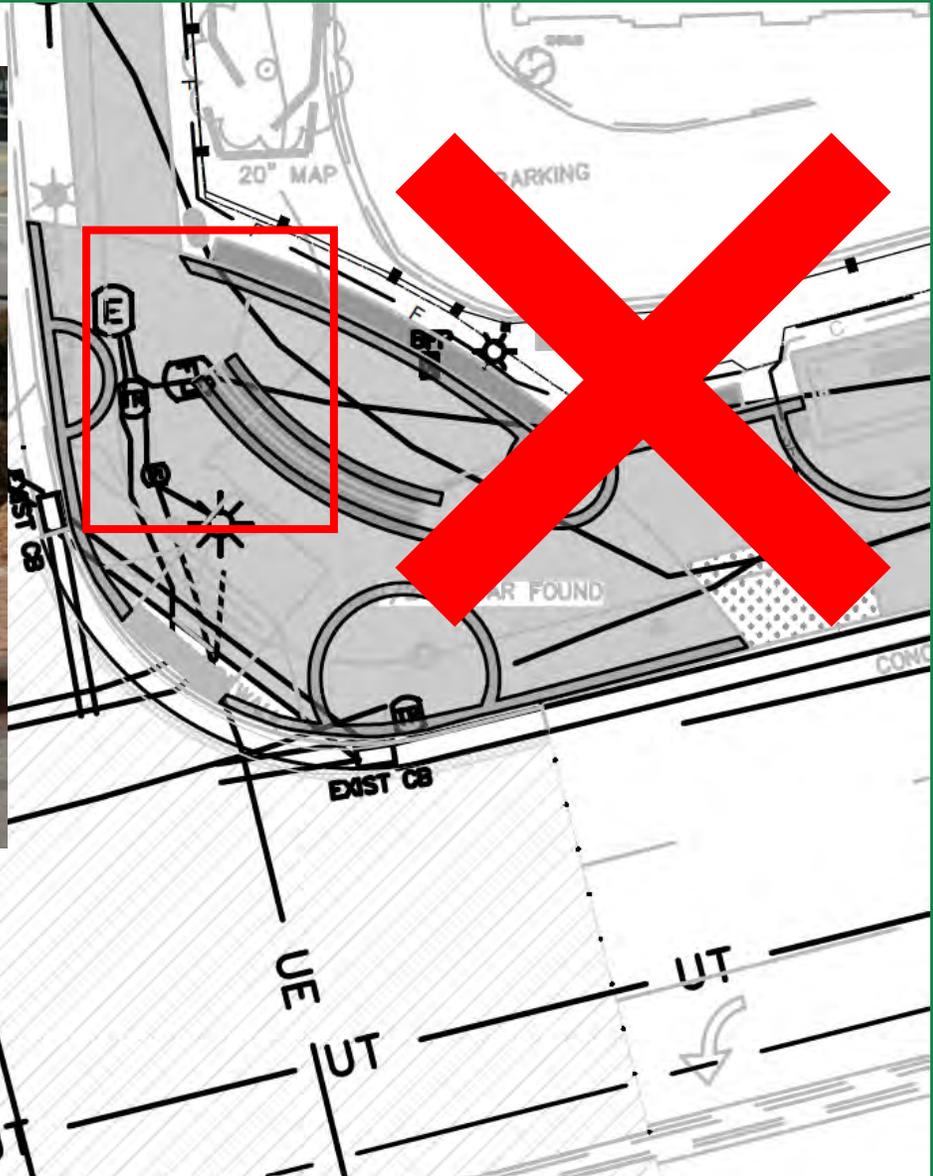


Solution: Use Drafting Best Practices

- ▶ Eliminate crossing text leaders
- ▶ Pull text into the unused margins
- ▶ Don't overlap or jumble text
- ▶ Ensure text does not get cut off by match lines

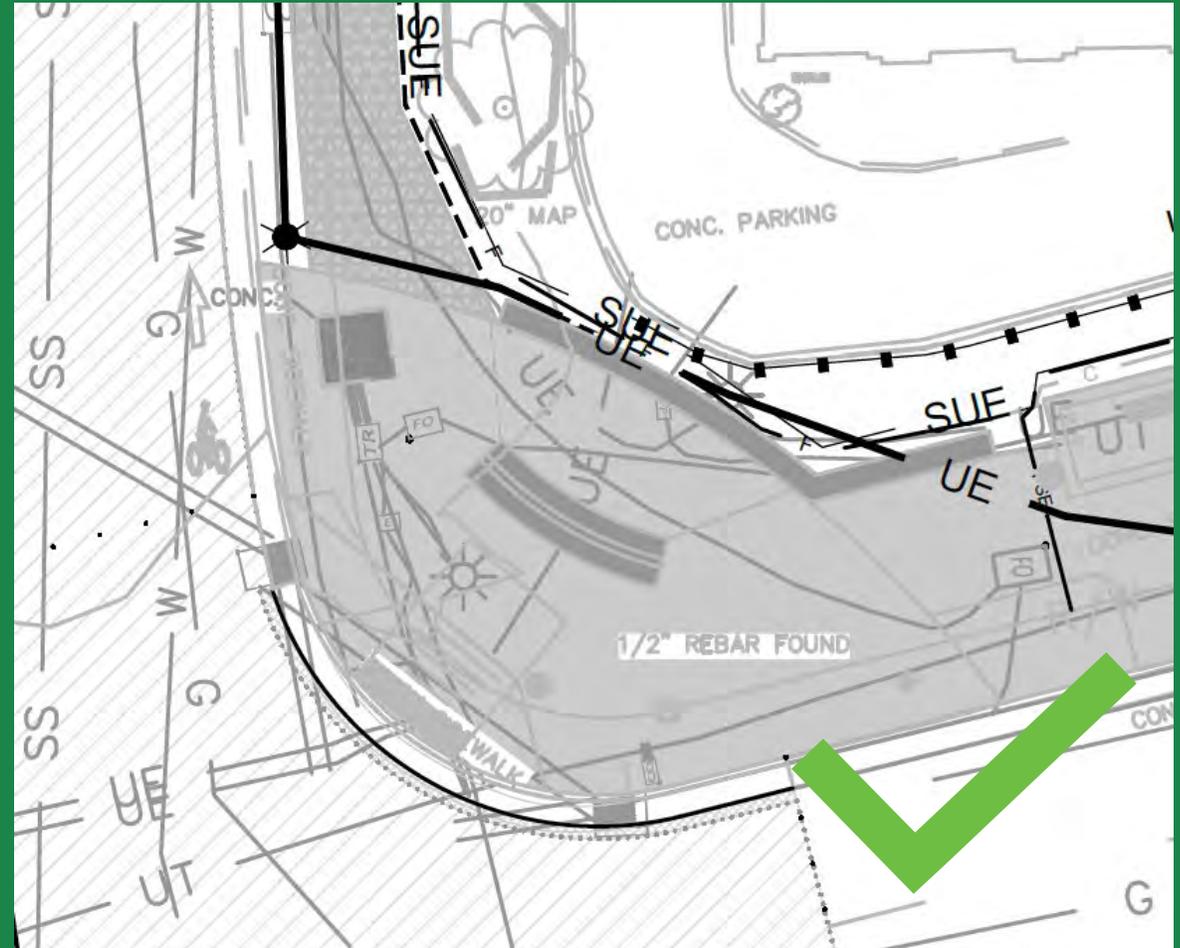


Issue: Utilities Weren't Taken Into Consideration



Solution: Avoid Utilities to Greatest Extent Possible

- ▶ Utility coordination is not easy
- ▶ Relocating utilities takes time; time = money
- ▶ Saves time, money, and minimizes changes during construction



Issue: Lack of Plan QC

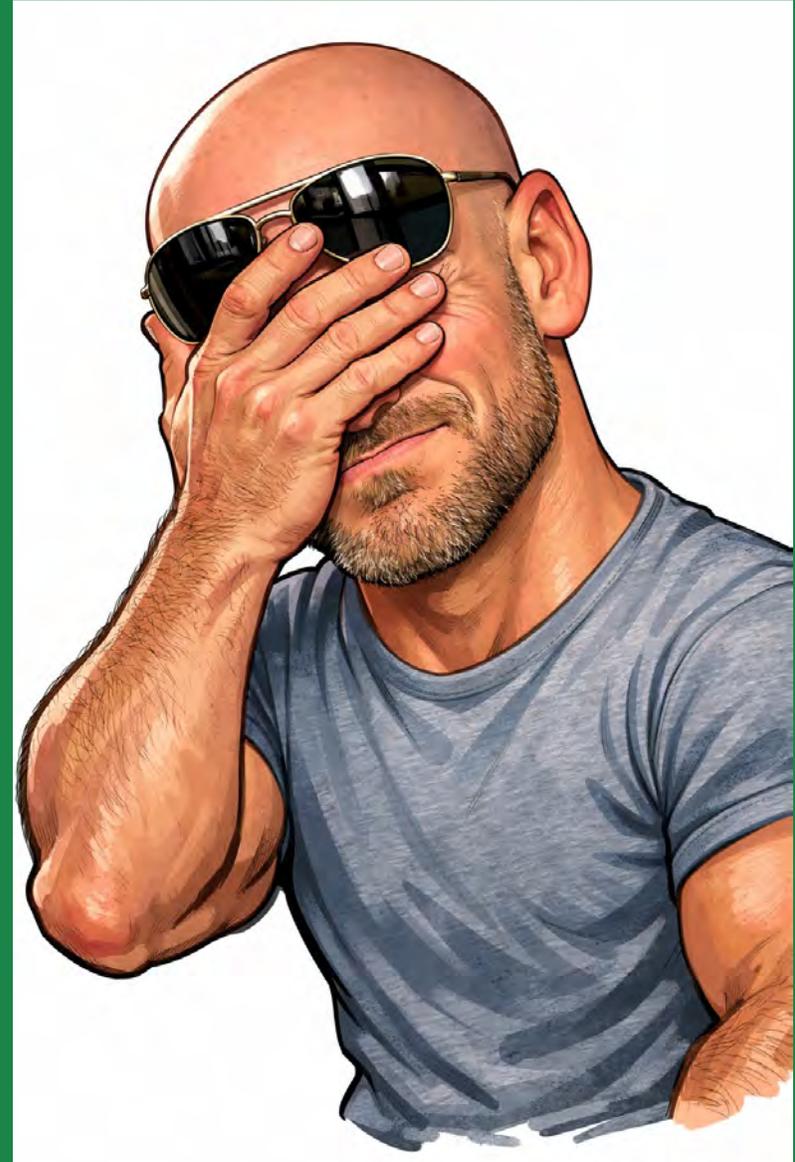
TS	<u>[REDACTED]</u> JOB NO.	<u>N.T.S.</u> SCALE	PREP DO CO
	<u>[REDACTED]</u> PREPARED BY	<u>[REDACTED]</u> CHECKED BY	
	<u>BROOKFIELD LAND</u> APPROVED BY	<u>11/11/2025</u> DATE	



City PM!

Solution: Plan QC is the Responsibility of the EOR

- ▶ City staff should NEVER be shown on title block for consultant-designed plans
- ▶ EOR signs / seals the plans and is ultimately responsible for the plan approval
- ▶ Take pride in your firm's work and put your best foot forward



Thanks for Hanging. Let's Break.



See you in 15
Minutes