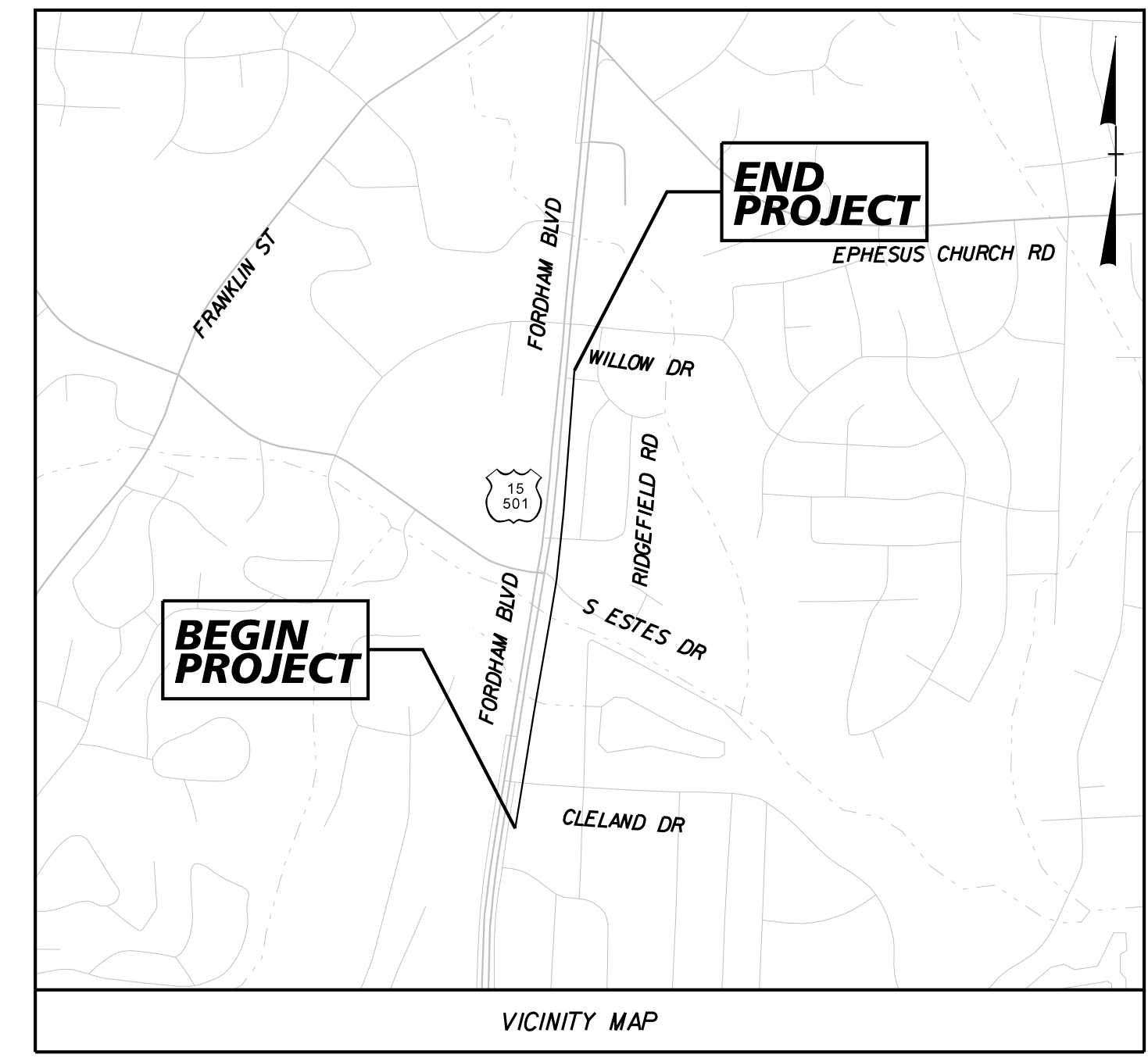


09/08/19 K:\RAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\Plan Sheets\EB-5721_rdy_1shd.dgn 4/14/2026

PROJECT: EB-5721

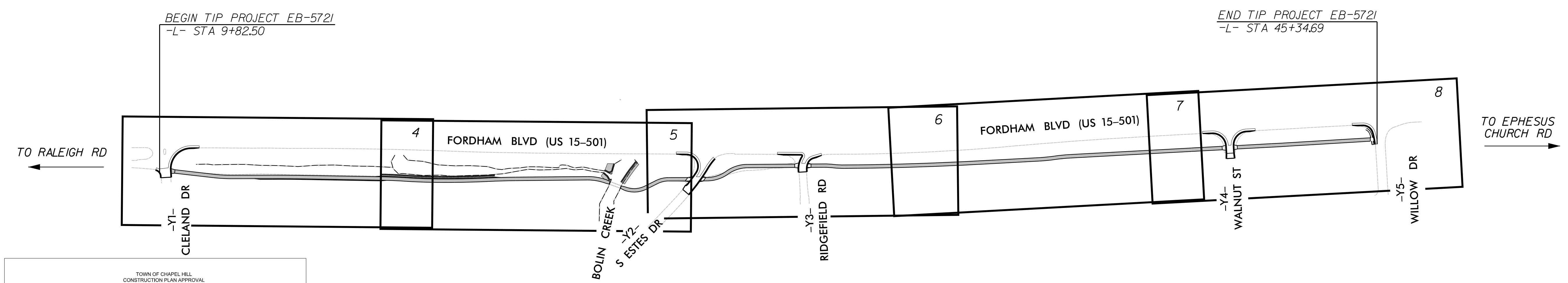
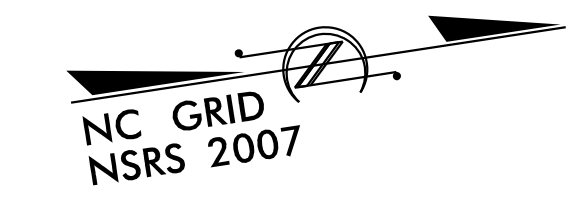
SEE SHEET 1A FOR INDEX OF SHEETS
SEE SHEET 1B FOR CONVENTIONAL PLAN SHEET SYMBOLS



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
ORANGE COUNTY

LOCATION: FORDHAM BLVD (US 15-501) SIDEPATH FROM CLELAND DRIVE TO WILLOW DRIVE
TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND SIGNING

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	EB-5721	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50417.1.1		P.E.	
50417.3.1		CONSTRUCTION	



TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

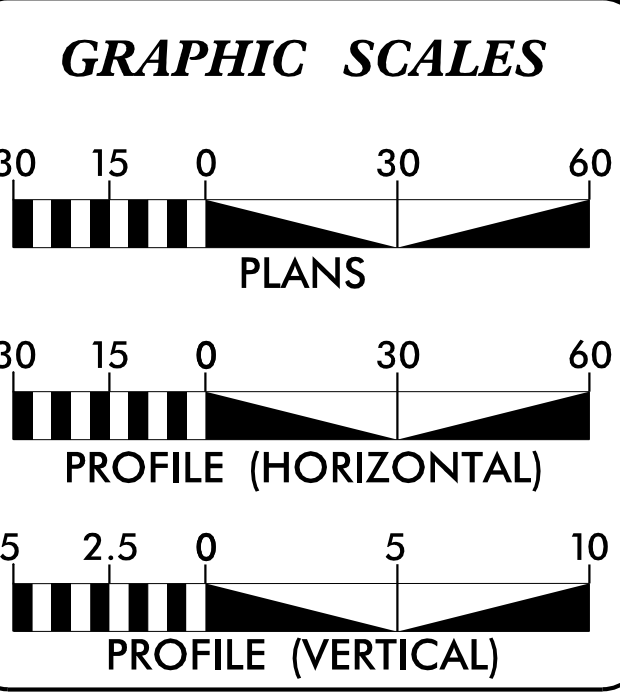
ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AUG). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____

THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF THE TOWN OF CHAPEL HILL
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT EB-5721	=	0.673 MILES
TOTAL LENGTH TIP PROJECT EB-5721	=	0.673 MILES

PLANS PREPARED FOR THE TOWN OF CHAPEL HILL BY:

Kimley » Horn

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: MAY 1, 2025

LETTING DATE: JUNE 2, 2026

JEFFREY W. MOORE, P.E.
PROJECT ENGINEER

HYDRAULICS ENGINEER

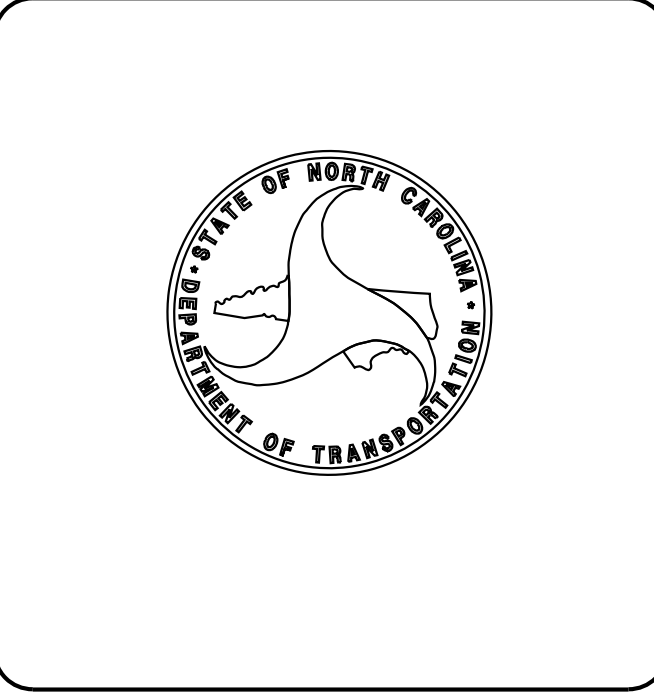
5/11/2026

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

5/11/2026

SIGNATURE: _____ P.E.



TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (A.H.). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE:
DATE:

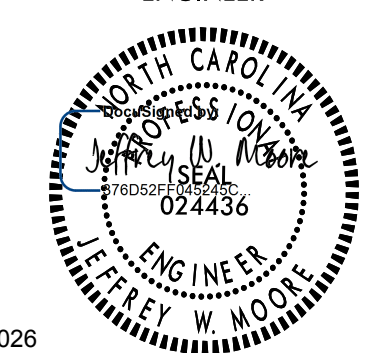
Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO. SHEET NO.
EB-5721 *1A*

ROADWAY DESIGN
ENGINEER



5/11/2026

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

GENERAL NOTES

EFF. 01-16-2024

SHEET NUMBER	SHEET
I	TITLE SHEET
IA	INDEX OF SHEETS, GENERAL NOTES, LIST OF ROADWAY STANDARD DRAWINGS
IB	CONVENTIONAL SYMBOLS SHEET
2A-1 THRU 2A-7	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
2B-1	SIGHT DISTANCE SHEET
3A-1	SUMMARY SHEET
3D-1	DRAINAGE SUMMARY SHEET
4 THRU 8	MULTI-USE PATH AND DRAINAGE PLANS
EC-1A THRU EC-13	EROSION CONTROL PLANS
TMP-1 THRU TMP-2	TRANSPORTATION MANAGEMENT PLANS
PS-1 THRU PS-2	PAVEMENT MARKING AND SIGNING PLANS
LA-100 THRU LA-200	LANDSCAPE PLANS
X-1 THRU X-17	MULTI-USE PATH CROSS-SECTIONS

2024 SPECIFICATIONS

EFFECTIVE: 01-16-2024

GRADE LINE: GRADING AND SURFACING:

2024 ROADWAY ENGLISH STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" CONTRACTS STANDARDS AND DEVELOPMENT UNIT - N. C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N. C., DATED JANUARY 16, 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD.NO.	TITLE
---------	-------

200.02	METHOD OF CLEARING - METHOD II
225.02	GUIDE FOR GRADING SUBGRADE - SECONDARY AND LOCAL
225.06	METHOD OF GRADING SIGHT DISTANCE AT INTERSECTIONS
275.01	ROCK PLATING DETAIL
300.01	METHOD OF PIPE INSTALLATION
815.02	SUBSURFACE DRAIN
840.00	CONCRETE BASE PAD FOR DRAINAGE STRUCTURES
840.01	BRICK CATCH BASIN - 12" THRU 54" PIPE
840.02	CONCRETE CATCH BASIN - 12" THRU 54" PIPE
840.03	FRAME, GRATES AND HOOD - FOR USE ON STANDARD CATCH BASIN
840.18	CONCRETE GRATED DROP INLET TYPE 'B' - 12" THRU 36" PIPE
840.22	FRAMES AND WIDE SLOT SAG GRATES
840.25	ANCHORAGE FOR FRAMES - BRICK, CONCRETE, OR PRECAST
840.27	BRICK GRATED DROP INLET TYPE 'B' - 12" THRU 36" PIPE
840.66	DRAINAGE STRUCTURE STEPS
846.01	CONCRETE CURB, GUTTER AND CURB & GUTTER
848.01	CONCRETE SIDEWALK
848.04	STREET TURNOUT
848.06	CURB RAMP
848.07	CONCRETE SIDEPATH / SHARED USE PATH / GREENWAY CONSTRUCTION
876.01	RIP RAP IN CHANNELS

CLEARING:

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.

SIDE ROADS:

THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THE PROJECT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED.

SUBSURFACE DRAINS:

SUBSURFACE DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 815.02 AT LOCATIONS DIRECTED BY THE ENGINEER.

STREET TURNOUT:

STREET RETURNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 848.04 USING THE RADIUS NOTED ON PLANS.

SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE

TOWN OF CHAPEL HILL
NCDOT
DUKE ENERGY PROGRESS
AT&T
OWASA
PUBLIC SERVICE COMPANY OF NC

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT AS SHOWN ON PLANS.

CURB RAMPS

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS.
CONSTRUCT ALL CURB RAMPS ACCORDANCE WITH STD 848.06. AND/OR DETAILS IN THE PLANS.

K:\RAL_Roadway\011159024 - EB-5721\Fordham Blvd\Plan\Plan Sheets\EB-5721_rdy_1sh.dgn

4/14/2026

Note: Not to Scale

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

EB-5721
IB

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin (EIP)	○ EIP
Computed Property Corner	×
Existing Concrete Monument (ECM)	◻ ECM
Parcel / Sequence Number	⑫③
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	◻
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	---WLB---
Proposed Wetland Boundary	---WLB---
Existing Endangered Animal Boundary	---EAB---
Existing Endangered Plant Boundary	---EPB---
Existing Historic Property Boundary	---HPB---
Known Contamination Area: Soil	-S-S-S-
Potential Contamination Area: Soil	-S-S-S-
Known Contamination Area: Water	-W-W-W-
Potential Contamination Area: Water	-W-W-W-
Contaminated Site: Known or Potential	☠ ?

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○ S
Well	○ W
Small Mine	✕
Foundation	◻
Area Outline	◻
Cemetery	⊕
Building	◻
School	◻
Church	⊕
Dam	▬

HYDROLOGY:

Stream or Body of Water	~~~~~
Hydro, Pool or Reservoir	◻
Jurisdictional Stream	---JS---
Buffer Zone 1	---BZ 1---
Buffer Zone 2	---BZ 2---
Flow Arrow	←
Disappearing Stream	→
Spring	○
Wetland	⊕
Proposed Lateral, Tail, Head Ditch	→ FLOW
False Sump	◻

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○ MILEPOST 35
Switch	◻ SWITCH
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY & PROJECT CONTROL:

Primary Horiz Control Point	◻
Primary Horiz and Vert Control Point	◼
Secondary Horiz and Vert Control Point	◼
Vertical Benchmark	⊕
Existing Right of Way Monument	△
Proposed Right of Way Monument (Rebar and Cap)	▲
Proposed Right of Way Monument (Concrete)	▲
Existing Permanent Easement Monument	◇
Proposed Permanent Easement Monument (Rebar and Cap)	◇
Existing C/A Monument	△
Proposed C/A Monument (Rebar and Cap)	▲
Proposed C/A Monument (Concrete)	▲
Existing Right of Way Line	-----
Proposed Right of Way Line	-----
Existing Control of Access Line	-----
Proposed Control of Access Line	-----
Proposed ROW and CA Line	-----
Existing Easement Line	-----
Proposed Temporary Construction Easement	-----
Permanent Construction Easement	-----
Proposed Temporary Drainage Easement	-----
Proposed Permanent Drainage Easement	-----
Proposed Permanent Drainage/Utility Easement	-----
Proposed Permanent Utility Easement	-----
Proposed Temporary Utility Easement	-----
Proposed Aerial Utility Easement	-----

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	---C---
Proposed Slope Stakes Fill	---F---
Proposed Curb Ramp	◻ CR
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	⊗

VEGETATION:

Single Tree	☼
Single Shrub	☼

Hedge	~~~~~
Woods Line	~~~~~
Orchard	☼ ☼ ☼ ☼
Vineyard	◻ Vineyard

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	CONC
Bridge Wing Wall, Head Wall and End Wall	CONC WW
MINOR:	
Head and End Wall	CONC HW
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	◻ CB
Paved Ditch Gutter	-----
Storm Sewer Manhole	⊕
Storm Sewer	-----

UTILITIES: * SUE - Subsurface Utility Engineering
LOS - Level of Service - A,B,C or D (Accuracy)

POWER:

Existing Power Pole	●
Proposed Power Pole	○
Existing Joint Use Pole	●
Proposed Joint Use Pole	○
Power Manhole	⊕
Power Line Tower	⊗
Power Transformer	⊗
U/G Power Cable Hand Hole	⊕
H-Frame Pole	●
U/G Power Line Test Hole (SUE - LOS A)*	⊕
U/G Power Line (SUE - LOS B)*	-----
U/G Power Line (SUE - LOS C)*	-----
U/G Power Line (SUE - LOS D)*	-----

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊕
Telephone Pedestal	⊕
Telephone Cell Tower	⊕
U/G Telephone Cable Hand Hole	⊕
U/G Telephone Test Hole (SUE - LOS A)*	⊕
U/G Telephone Cable (SUE - LOS B)*	-----
U/G Telephone Cable (SUE - LOS C)*	-----
U/G Telephone Cable (SUE - LOS D)*	-----
U/G Telephone Conduit (SUE - LOS B)*	-----
U/G Telephone Conduit (SUE - LOS C)*	-----
U/G Telephone Conduit (SUE - LOS D)*	-----
U/G Fiber Optics Cable (SUE - LOS B)*	-----
U/G Fiber Optics Cable (SUE - LOS C)*	-----
U/G Fiber Optics Cable (SUE - LOS D)*	-----

WATER:

Water Manhole	⊕
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
U/G Water Line Test Hole (SUE - LOS A)*	⊕
U/G Water Line (SUE - LOS B)*	-----
U/G Water Line (SUE - LOS C)*	-----
U/G Water Line (SUE - LOS D)*	-----
Above Ground Water Line	-----

TV:

TV Pedestal	⊕
TV Tower	⊗
U/G TV Cable Hand Hole	⊕
U/G TV Test Hole (SUE - LOS A)*	⊕
U/G TV Cable (SUE - LOS B)*	-----
U/G TV Cable (SUE - LOS C)*	-----
U/G TV Cable (SUE - LOS D)*	-----
U/G Fiber Optic Cable (SUE - LOS B)*	-----
U/G Fiber Optic Cable (SUE - LOS C)*	-----
U/G Fiber Optic Cable (SUE - LOS D)*	-----

GAS:

Gas Valve	◇
Gas Meter	◇
U/G Gas Line Test Hole (SUE - LOS A)*	⊕
U/G Gas Line (SUE - LOS B)*	-----
U/G Gas Line (SUE - LOS C)*	-----
U/G Gas Line (SUE - LOS D)*	-----
Above Ground Gas Line	-----

SANITARY SEWER:

Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	-----
Above Ground Sanitary Sewer	-----
SS Force Main Line Test Hole (SUE - LOS A)*	⊕
SS Force Main Line (SUE - LOS B)*	-----
SS Force Main Line (SUE - LOS C)*	-----
SS Force Main Line (SUE - LOS D)*	-----

MISCELLANEOUS:

Utility Pole	●
Utility Pole with Base	⊕
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line (SUE - LOS B)*	-----
U/G Tank; Water, Gas, Oil	◻
Underground Storage Tank, Approx. Loc.	⊕
A/G Tank; Water, Gas, Oil	◻
Geoenvironmental Boring	⊕
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

5/14/2026
 K:\RAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\Plan Sheets\EB-5721_rdy_bypadgn
 4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

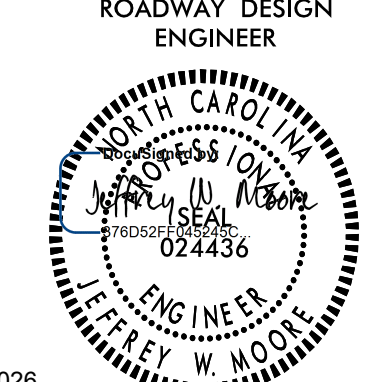
ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NC DOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (A.H.). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

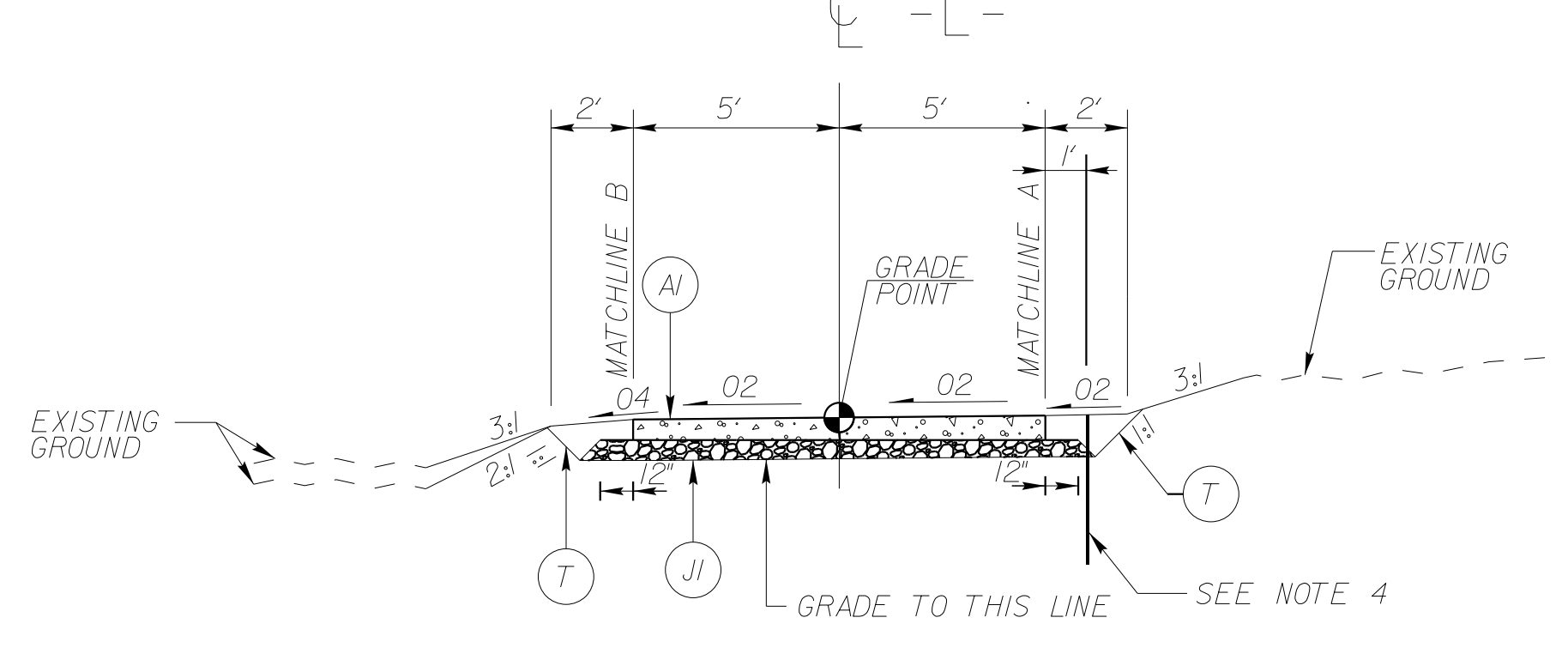
THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____

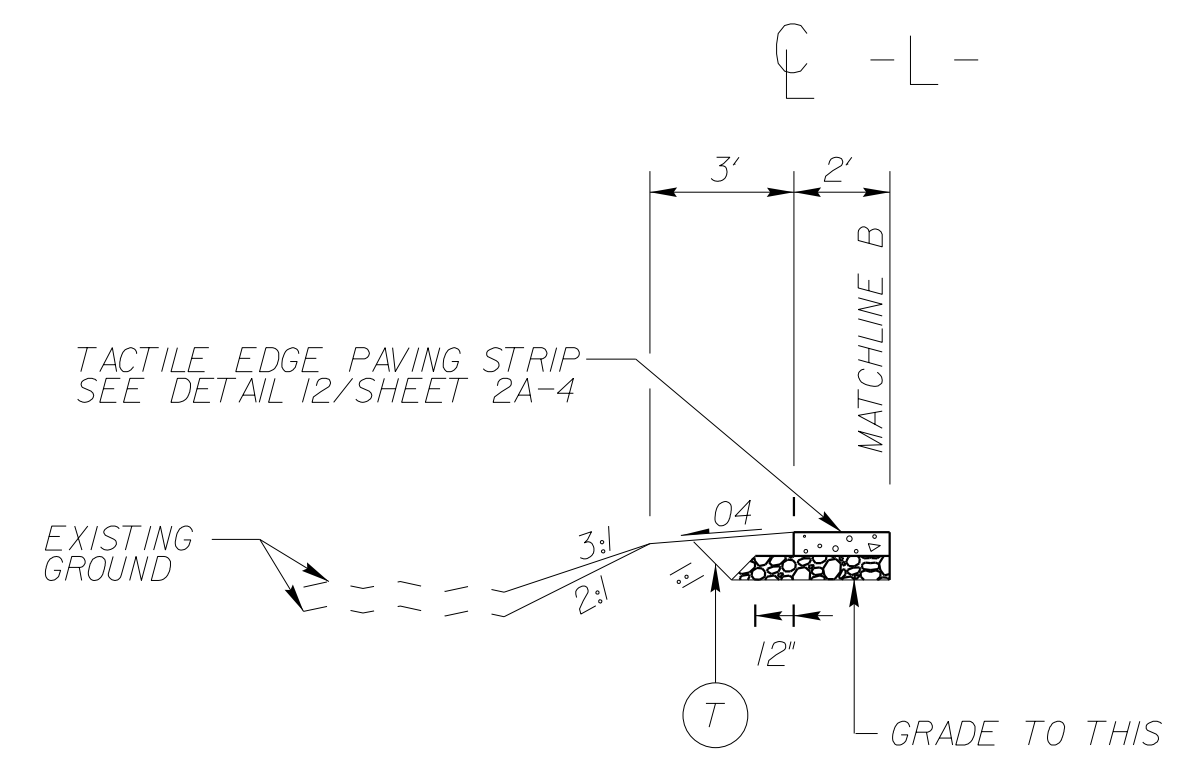
Kimley Horn
© 2022
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV. _____
CONST. REV. _____

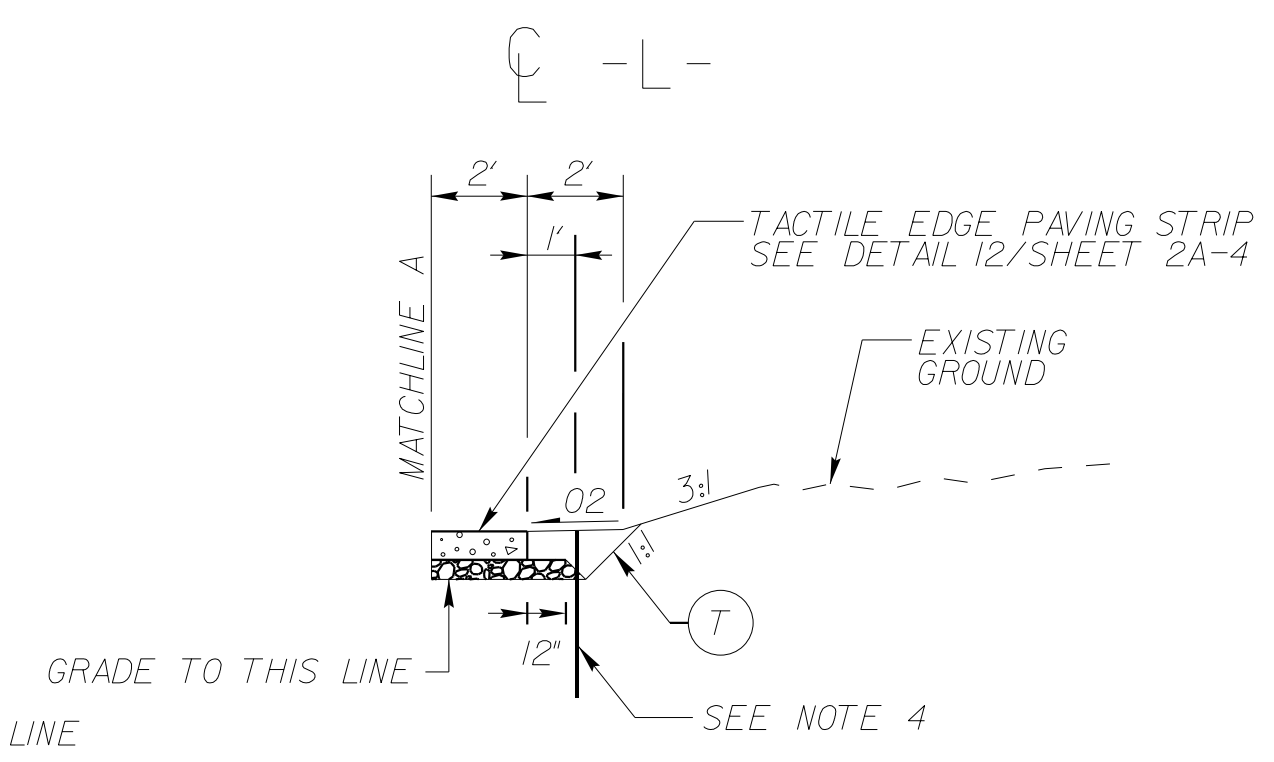
PROJECT REFERENCE NO. EB-5721	SHEET NO. 2A-1
ROADWAY DESIGN ENGINEER	
	
5/11/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



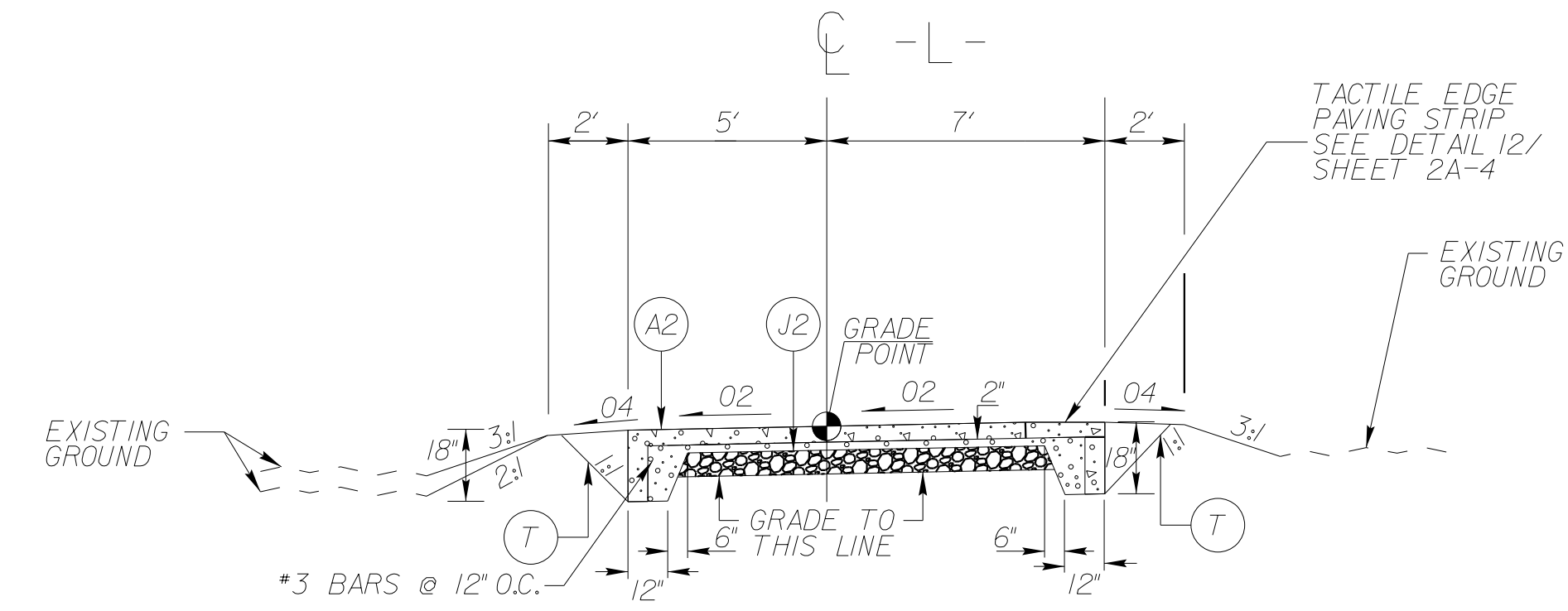
TYPICAL SECTION NO.1
 -L- STA 10+26.45 TO STA 13+50.00
 -L- STA 15+00.00 TO STA 22+89.93
 -L- STA 23+25.10 TO STA 25+25.99
 -L- STA 25+75.73 TO STA 28+44.56
 -L- STA 28+66.91 TO STA 40+85.66
 -L- STA 41+30.66 TO STA 45+15.88



TYPICAL SECTION NO.1B
 -L- STA 16+25.00 TO STA 19+55.00

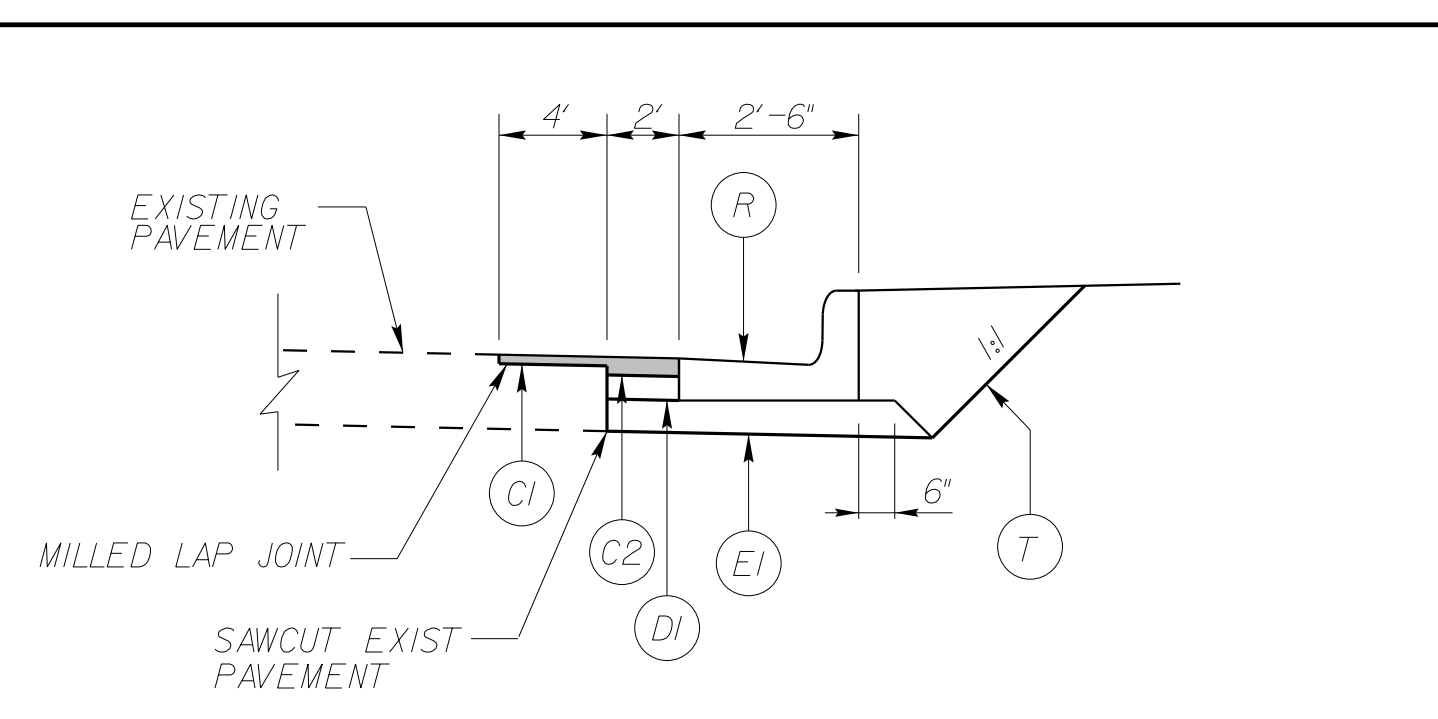


TYPICAL SECTION NO.1A
 -L- STA 12+75.00 TO STA 13+50.00
 -L- STA 15+00.00 TO STA 16+25.00

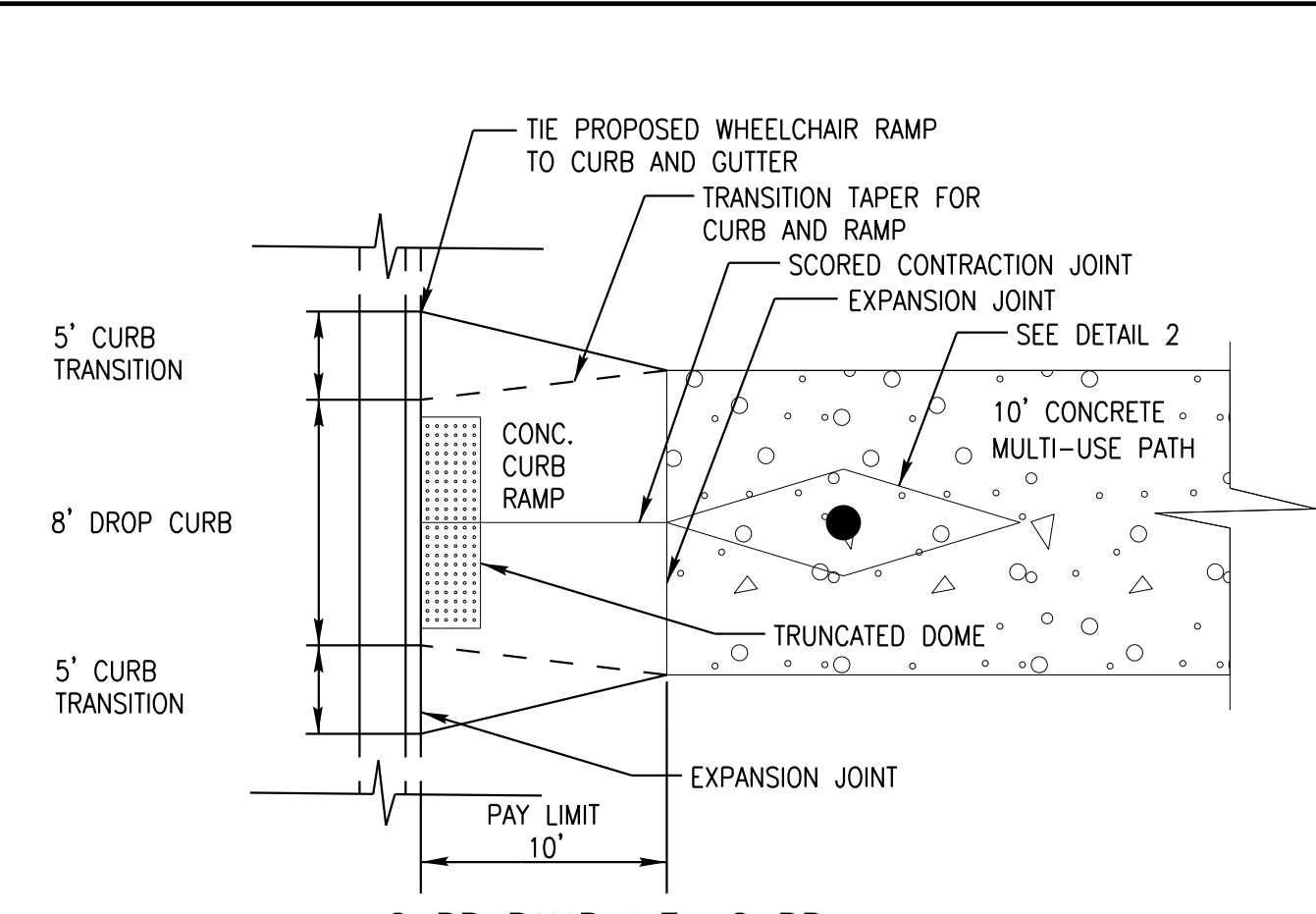


TYPICAL SECTION NO.2
 -L- STA 13+50.00 TO STA 15+00.00

- NOTES:
- SEE PLAN SHEETS FOR MULTI-USE PATH SUPERELEVATION TRANSITIONS.
 - SLOPE SHOULDERS FOR POSITIVE DRAINAGE. IF APPLICABLE, CONTINUE 0.02 FT/FT SHOULDER SLOPE UNTIL TIE-IN WITH NATURAL GROUND (SEE CROSS SECTIONS).
 - PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE NOTED.
 - 24" OR 36" TREE ROOT GUIDE, AS DIRECTED BY THE TOWN

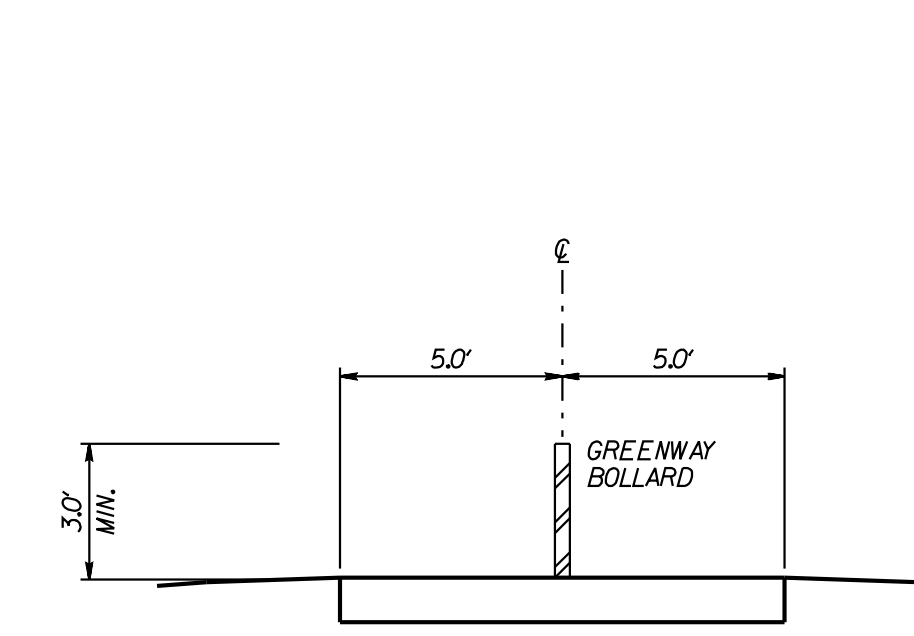


1 CURB AND GUTTER DETAIL



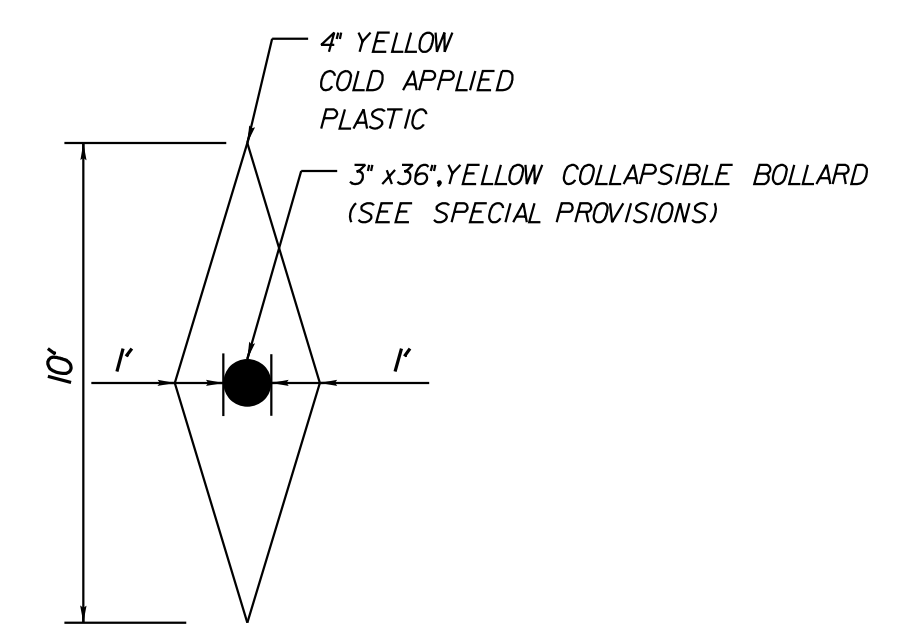
2 CURB RAMP (GREENWAY) DETAILS

- NOTES:
- CURB RAMPS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH CONCRETE CURB RAMP (GREENWAY).
 - TRUNCATED DOMES ARE TO BE COLONIAL RED UNLESS OTHERWISE SPECIFIED BY TOWN.
 - ALL REQUIREMENTS OF NC DOT STANDARD DRAWINGS 848.06 (CURB RAMPS) APPLY.



TYPICAL BOLLARD PLACEMENT
NO SCALE

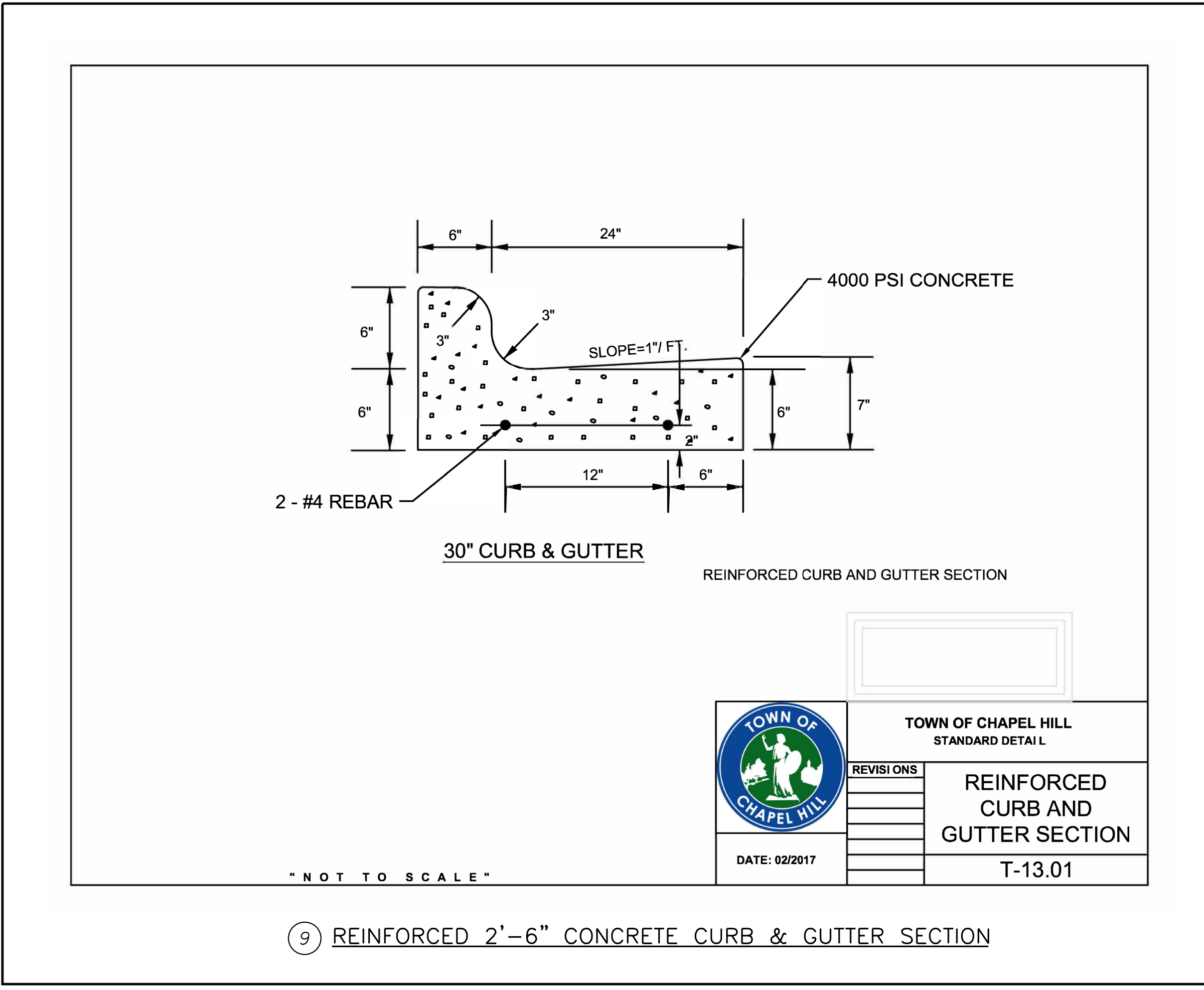
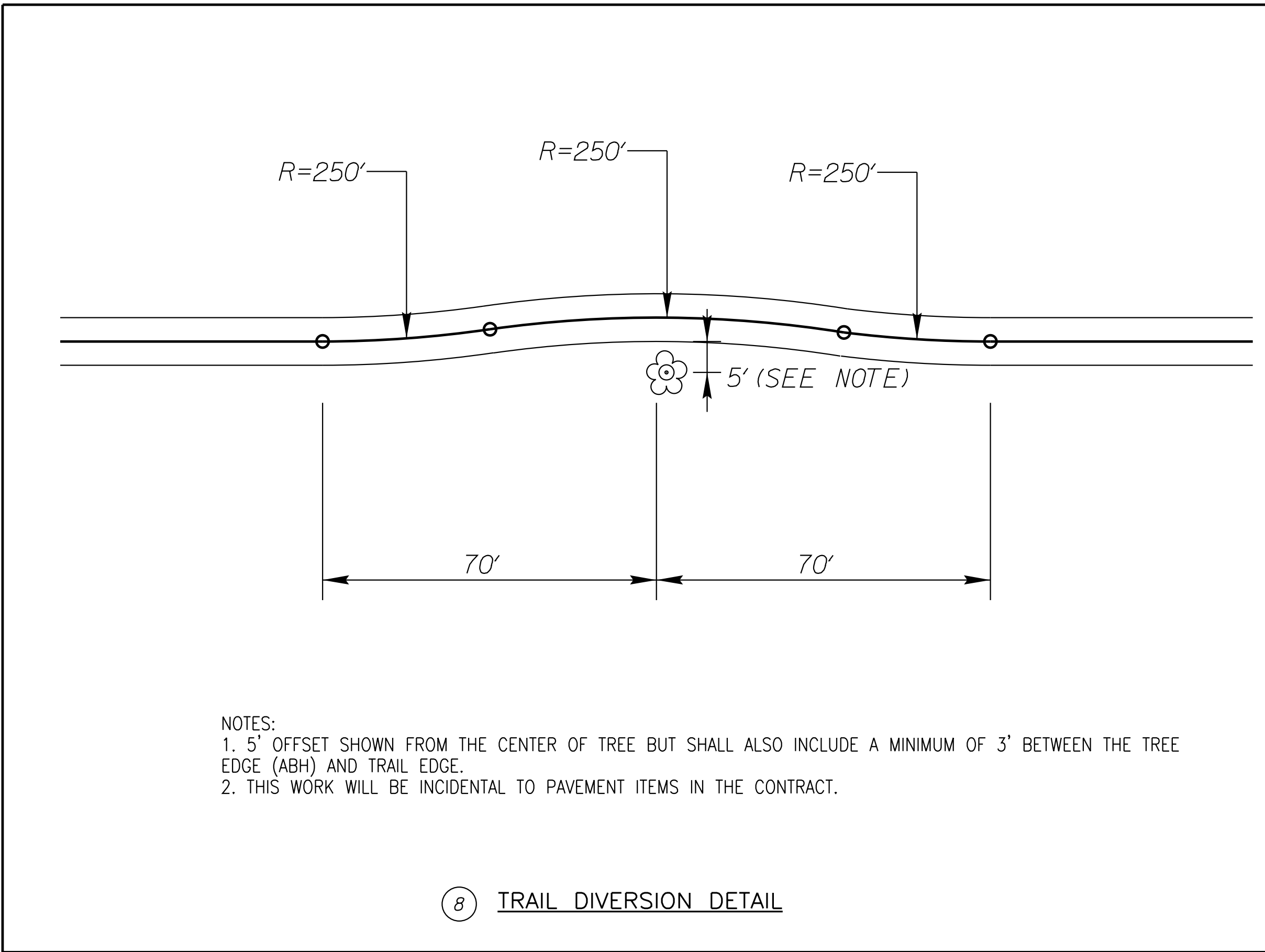
- BOLLARD NOTES:
- PLACEMENT AND MARKING DETAIL APPLIES TO MULTI-USE PATH AND BRIDGE BOLLARDS. SEE PLANS FOR BOLLARD LOCATIONS.
 - BOLLARDS SHALL BE YELLOW WITH WHITE REFLECTIVE TAPE.
 - BOLLARD AND SIGNS TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SPECIFICATIONS.
 - BOLLARD PLACEMENT OFFSET FROM INTERSECTIONS IS A MINIMUM OF 5 FEET.



TYPICAL BOLLARD MARKINGS DETAIL

3 GREENWAY BOLLARD DETAILS

5/14/2026
K:\RAL_Roadway\011159024 - EB-5721\Fordham Blvd\Plan\Plan Sheets\EB-5721_rdy_3yp.dgn



TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NC DOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHJ). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

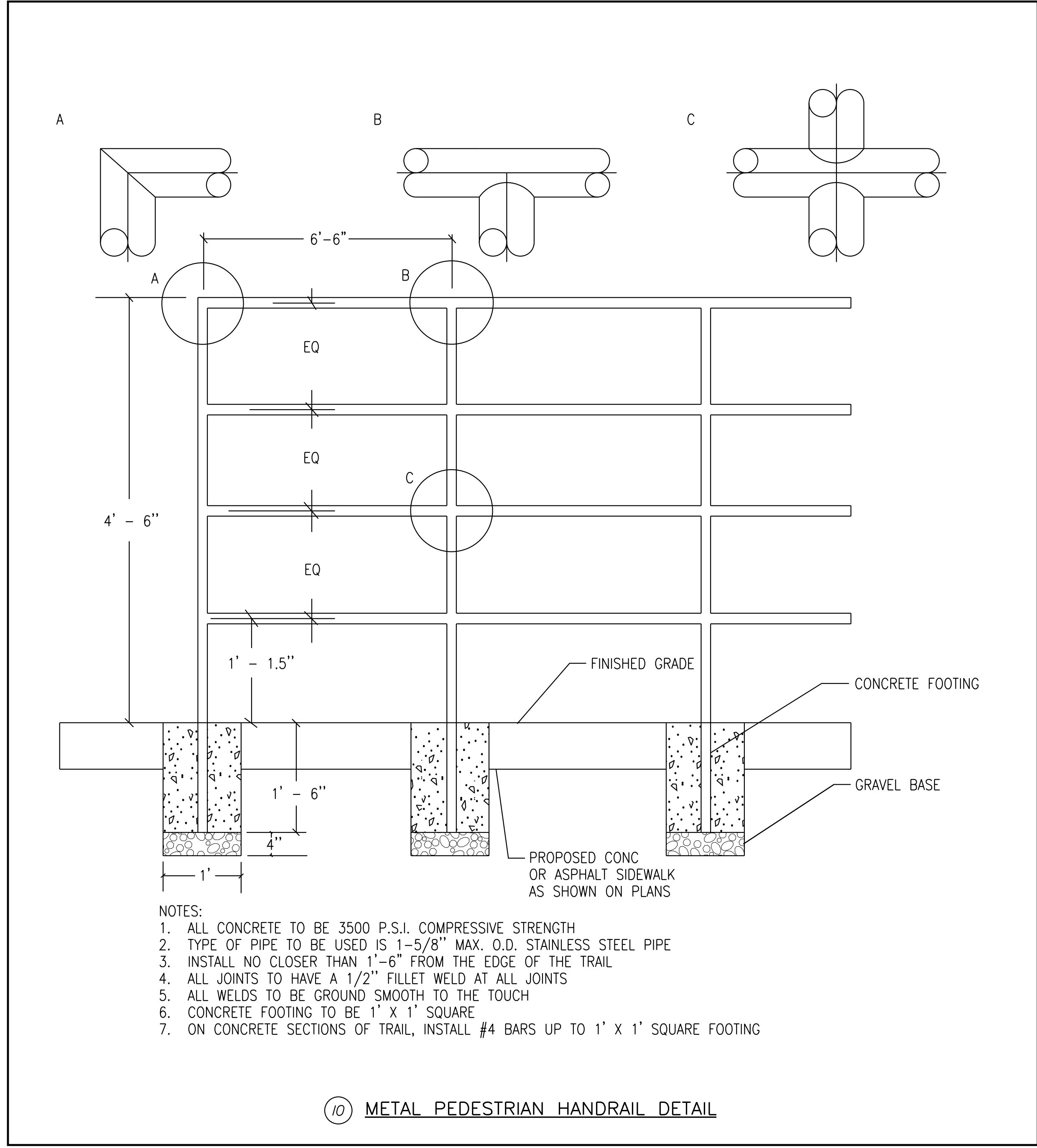
THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____

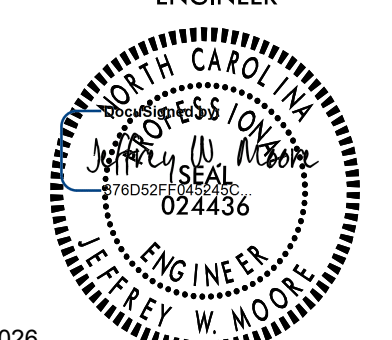
Kimley Horn
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

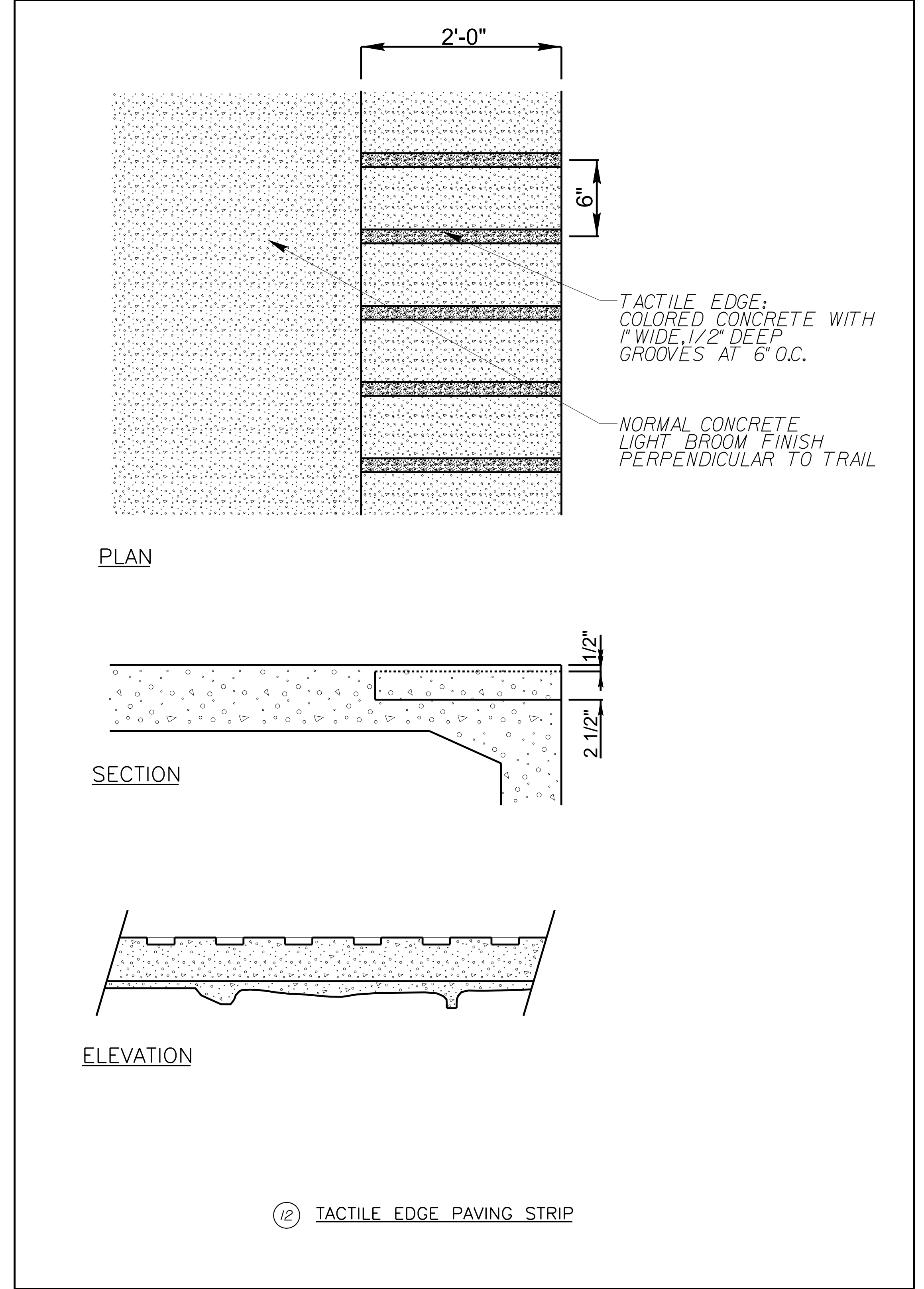
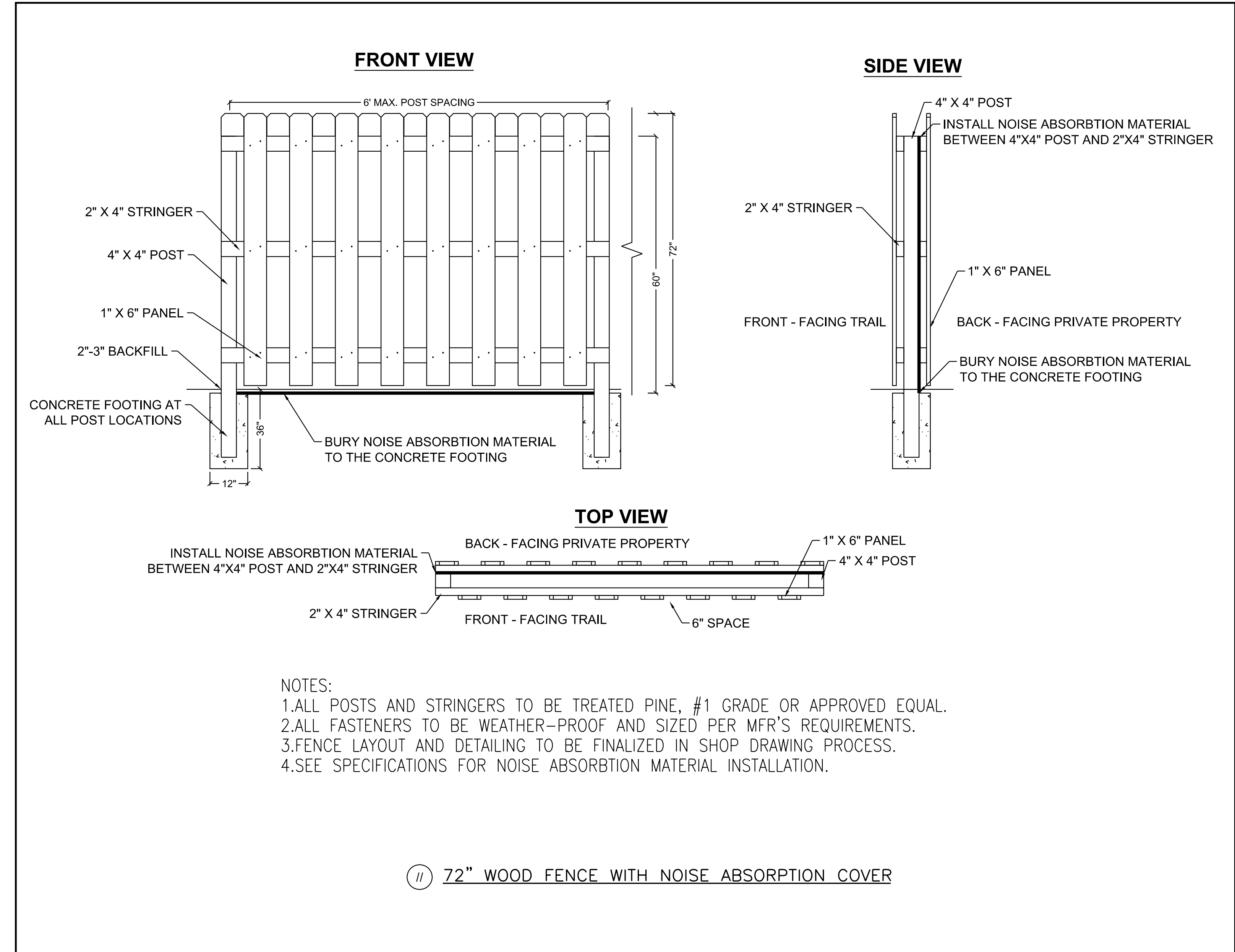
RIGHT-OF-WAY REV. _____
CONST. REV. _____

PROJECT REFERENCE NO. EB-5721	SHEET NO. 2A-3
ROADWAY DESIGN ENGINEER	
5/11/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



Kimley » Horn
 421 FAYETTEVILLE STREET, SUITE 600
 RALEIGH, NC 27601

PROJECT REFERENCE NO. EB-5721	SHEET NO. 2A-4
ROADWAY DESIGN ENGINEER	
	
5/11/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



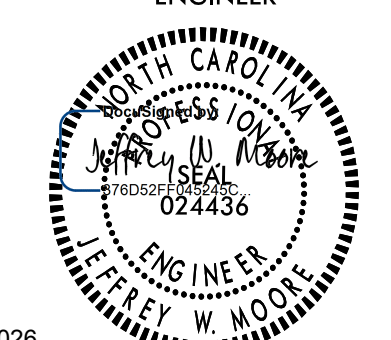
5/14/2026

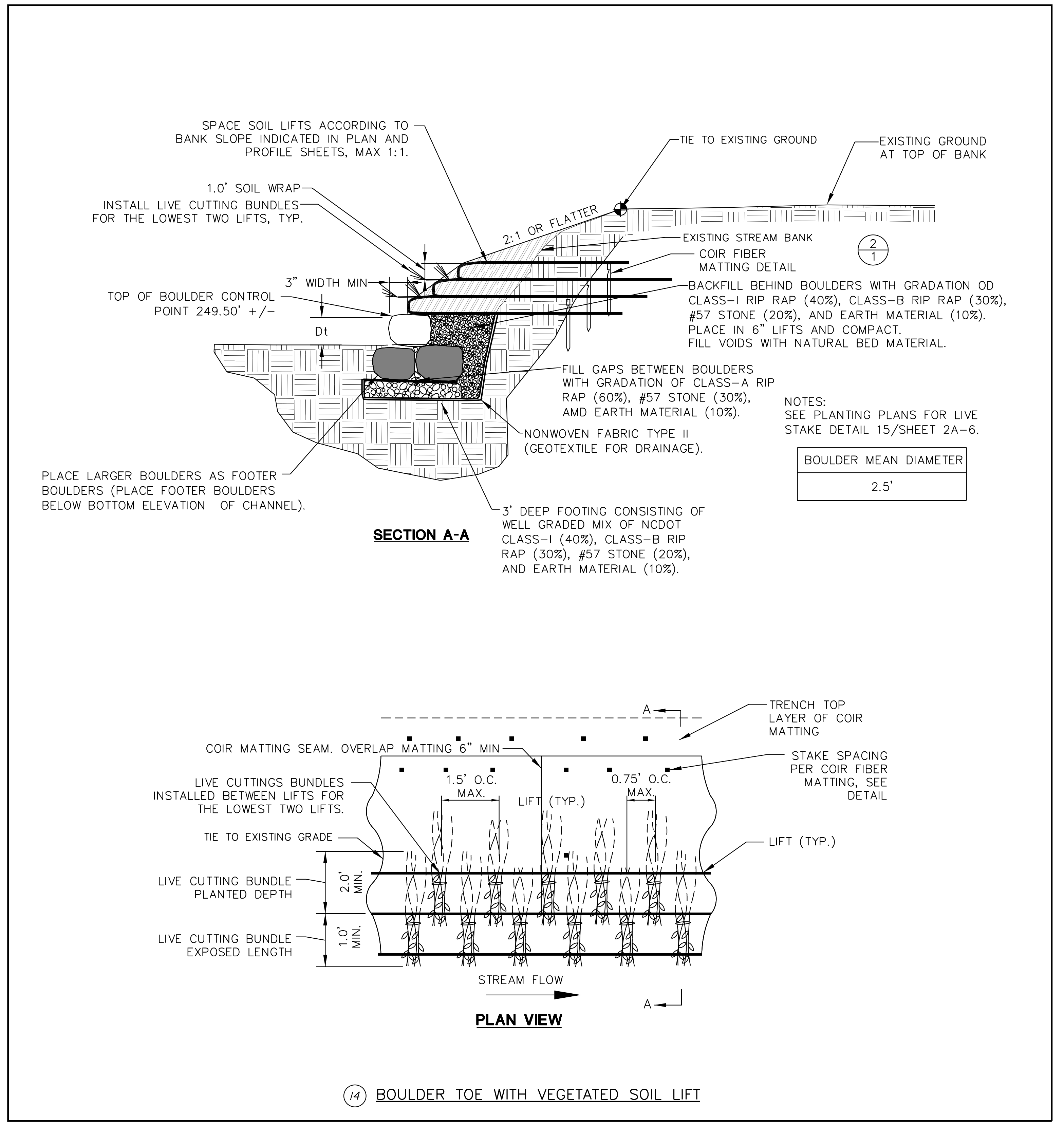
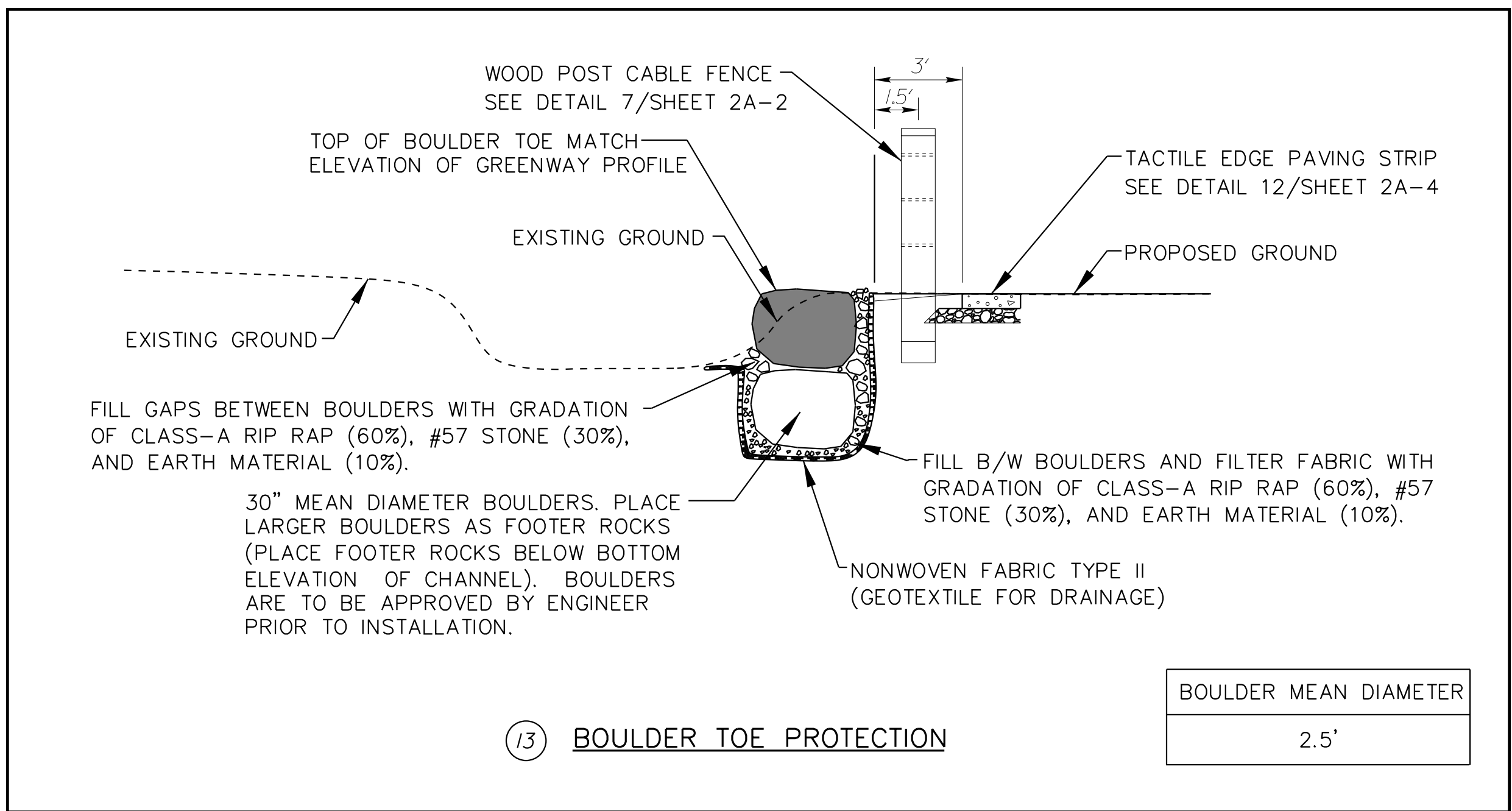
K:\RAL_Roadway\011159024 - EB-5721\Fordham Blvd\Plan\Plan Sheets\EB-5721_rdy_3ypadgn

4/14/2026

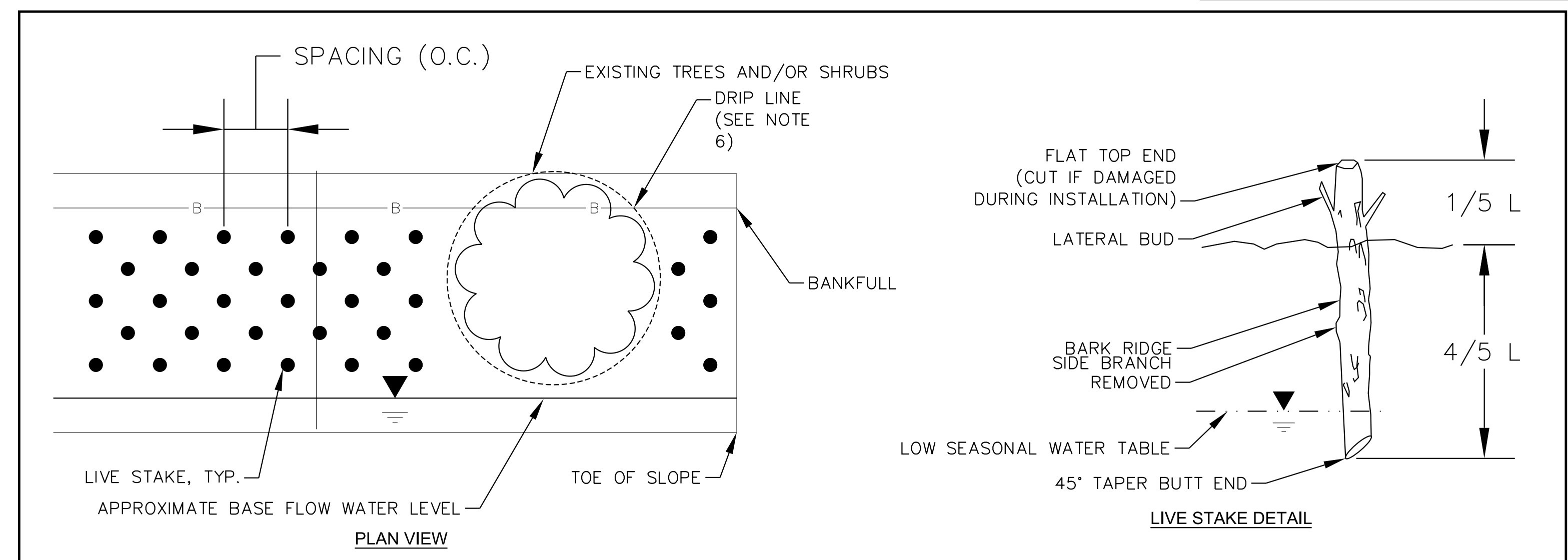
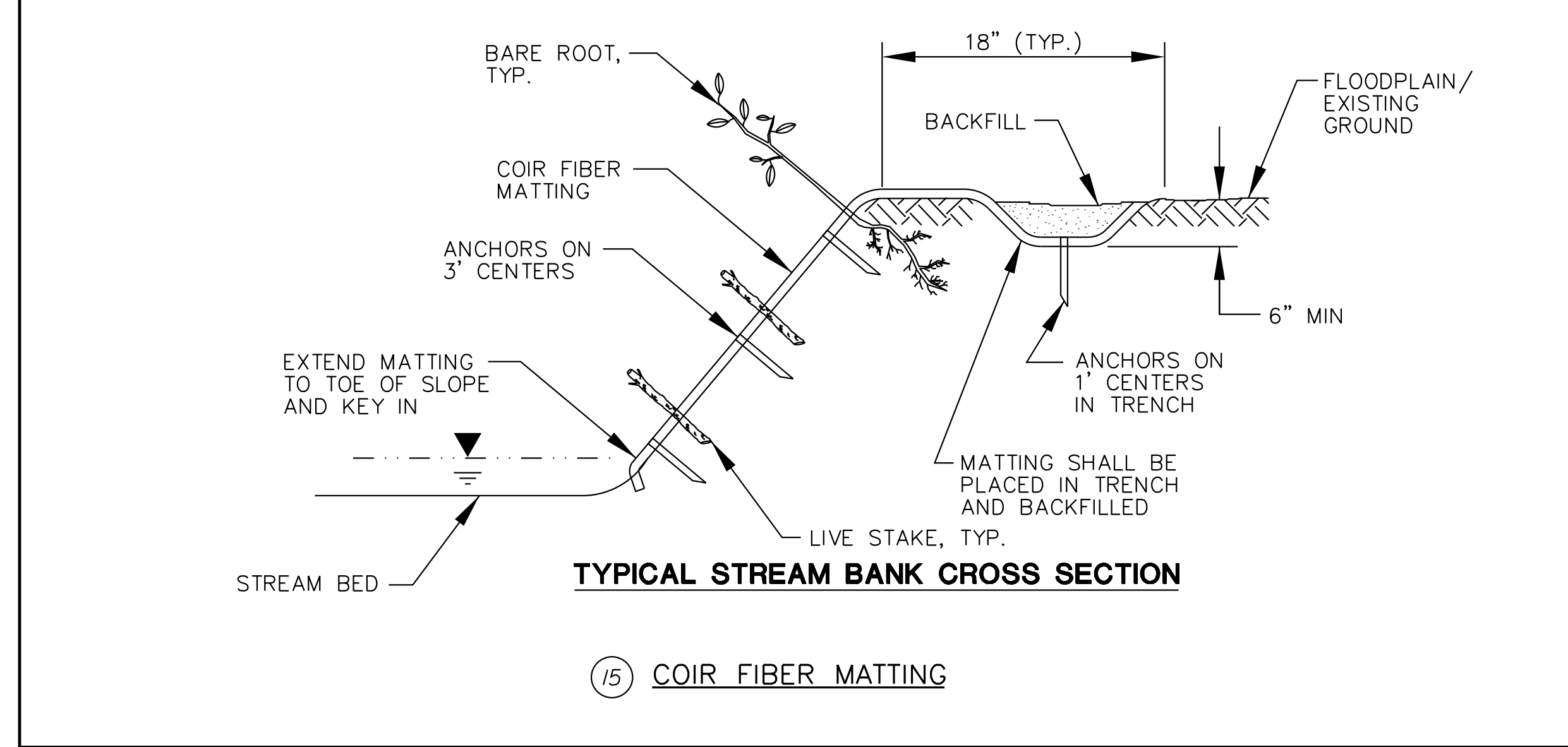
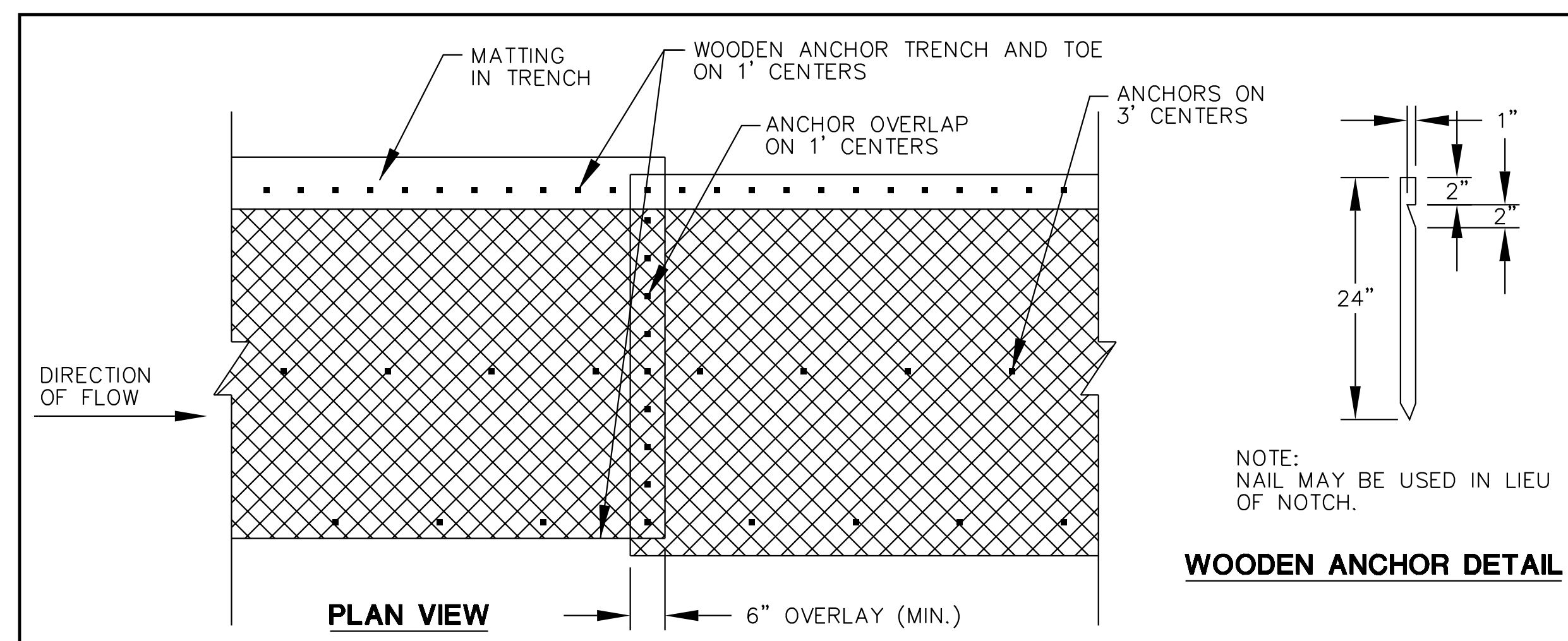
Kimley Horn
 421 FAYETTEVILLE STREET, SUITE 600
 RALEIGH, NC 27601

RIGHT-OF-WAY REV.
 CONST. REV.

PROJECT REFERENCE NO. EB-5721	SHEET NO. 2A-5
ROADWAY DESIGN ENGINEER	
	
5/11/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



5/14/2026
K:\RAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\Plan Sheets\EB-5721_rdy_1p.dgn



- NOTES:**
- LIVE STAKES SHALL BE INSTALLED ON FINISHED STREAM BANKS. "FINISHED" GENERALLY REFERS TO ANY AND/OR ALL OF THE FOLLOWING AS SPECIFIED BY THE DESIGNER:
 - GRADED
 - PREPARED (ROTO-TILLED, RAKED, AND AMENDED),
 - SEEDED,
 - MULCHED, AND
 - COVERED WITH EROSION CONTROL MATTING.
 - LIVE STAKES SHALL BE FASHIONED FROM DORMANT CUTTINGS OF WOODY PLANT SPECIES (TREES AND SHRUBS) SPECIFIED BY THE DESIGNER AND SHOWN IN TABLE THIS SHEET OR ELSEWHERE IN THE PLANS (E.G. - A PLANTING PLAN).
 - LIVE STAKES SHALL NOT BE PLACED WITHIN THE DRIP LINE OF ANY EXISTING TREES AND/OR SHRUBS THAT REMAIN ON THE BANKS.
 - DETAILED HANDLING, PREPARATION, AND INSTALLATION GUIDELINES FOR LIVE STAKES SHALL BE SPECIFIED BY THE DESIGNER, INCLUDING:
 - LIVE STAKES MAY BE STORED UP TO 10 DAYS IN WATER.
 - ALL LATERAL BRANCHES SHALL BE CAREFULLY REMOVED FROM THE WOODY CUTTINGS PRIOR TO INSTALLATION.
 - LIVE STAKES SHALL BE DRIVEN INTO THE GROUND USING A "DEAD BLOW" PLASTIC HAMMER, BY CREATING A PILOT HOLE AND SLIPPING THE STAKE INTO IT, OR WITH THE USE OF A HYDRAULIC INJECTION SYSTEM. SOIL SHALL BE FIRMLY PACKED AROUND THE HOLE AFTER INSTALLATION.
 - SPLIT OR OTHERWISE DAMAGED LIVE STAKES SHALL NOT BE USED.
- *ENGINEER TO ADJUST AS NECESSARY, MINIMUMS CANNOT BE ADJUSTED WITHOUT CITY APPROVAL

DESIGN VARIABLES	
	ALL REACHES
DIAMETER	1/2"-2"
LENGTH	2'-3'
SPACING (O.C.)	3'
ROWS ¹	2 ROWS
PLACEMENT OF 1ST ROW FROM TOE OF SLOPE	0.5'

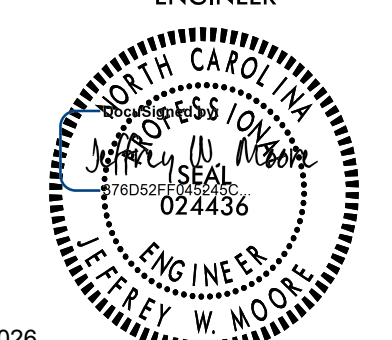
¹ ROWS SHOULD BE EQUALLY SPACED BETWEEN APPROXIMATE BASEFLOW WATER LEVEL AND BANKFULL.

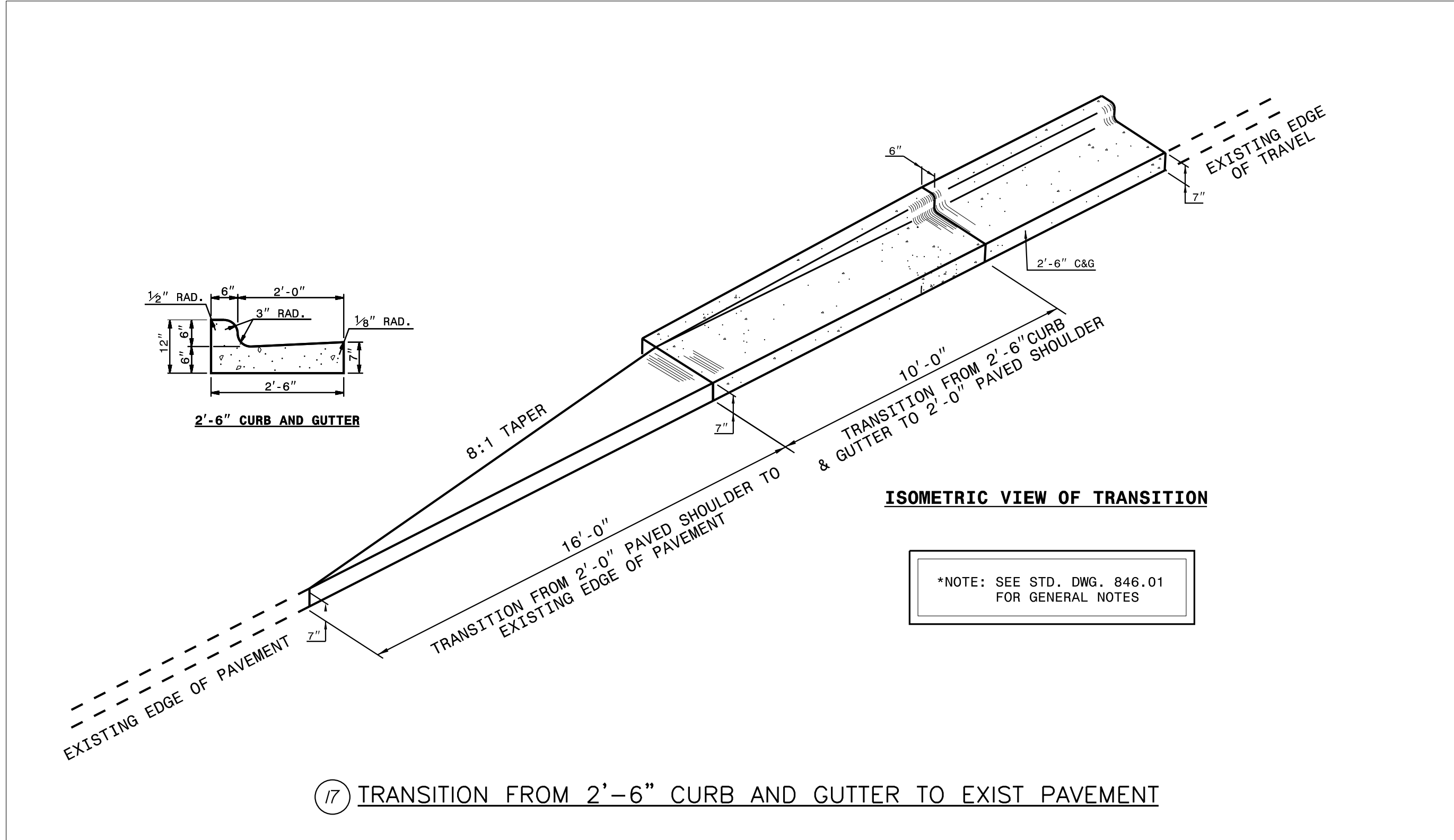
SCIENTIFIC NAME	COMMON NAME	TYPE ¹	COMPOSITION OF EACH ZONE	PLANTING SPACING	
				FEET ON CENTER ²	NUMBER PER 1,000 SF ³
CEPHALANTHUS OCCIDENTALIS	BUTTON BUSH	LS	25	2-3	250
SALIX NIGRA	BLACK WILLOW	LS	5		
SALEX SERICEA	SILKY WILLOW	LS	30		
SAMBUCUS CANADENSIS	ELDERBERRY	LS	10		
CORNUS AMOMUM	SILKY DOGWOOD	LS	30		

16 LIVE STAKE DETAIL

Kimley » Horn
 421 FAYETTEVILLE STREET, SUITE 600
 RALEIGH, NC 27601

RIGHT-OF-WAY REV.
 CONST. REV.

PROJECT REFERENCE NO. EB-5721	SHEET NO. 2A-7
ROADWAY DESIGN ENGINEER	
	
5/11/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



5/14/1999

K:\RAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\Plan Sheets\Sight Distance\Plan Sheets\EB-5721_rdy_sightdistance.dgn

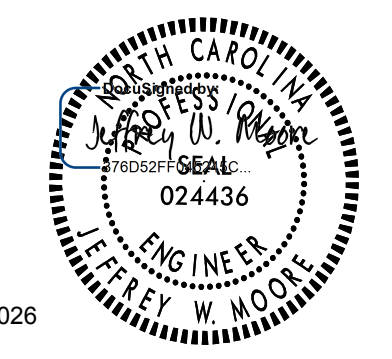
4/14/2026

Kimley » Horn
 421 FAYETTEVILLE STREET, SUITE 600
 RALEIGH, NC 27601

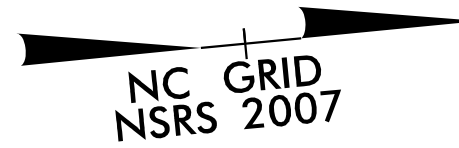
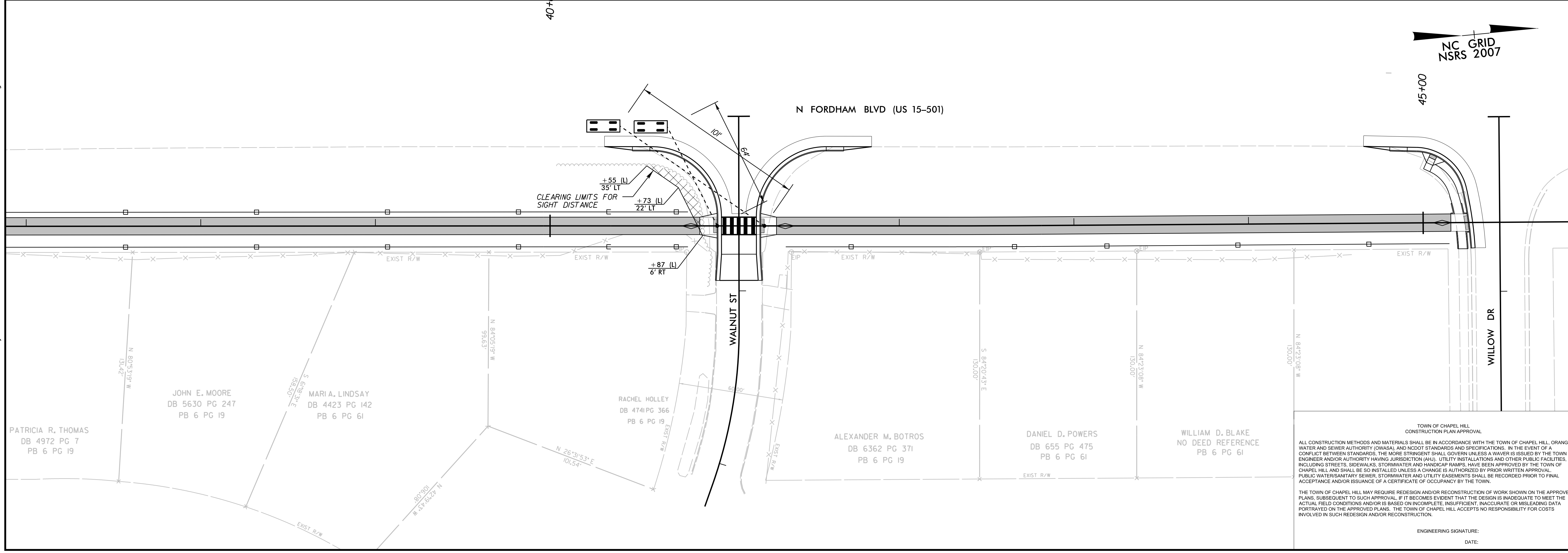
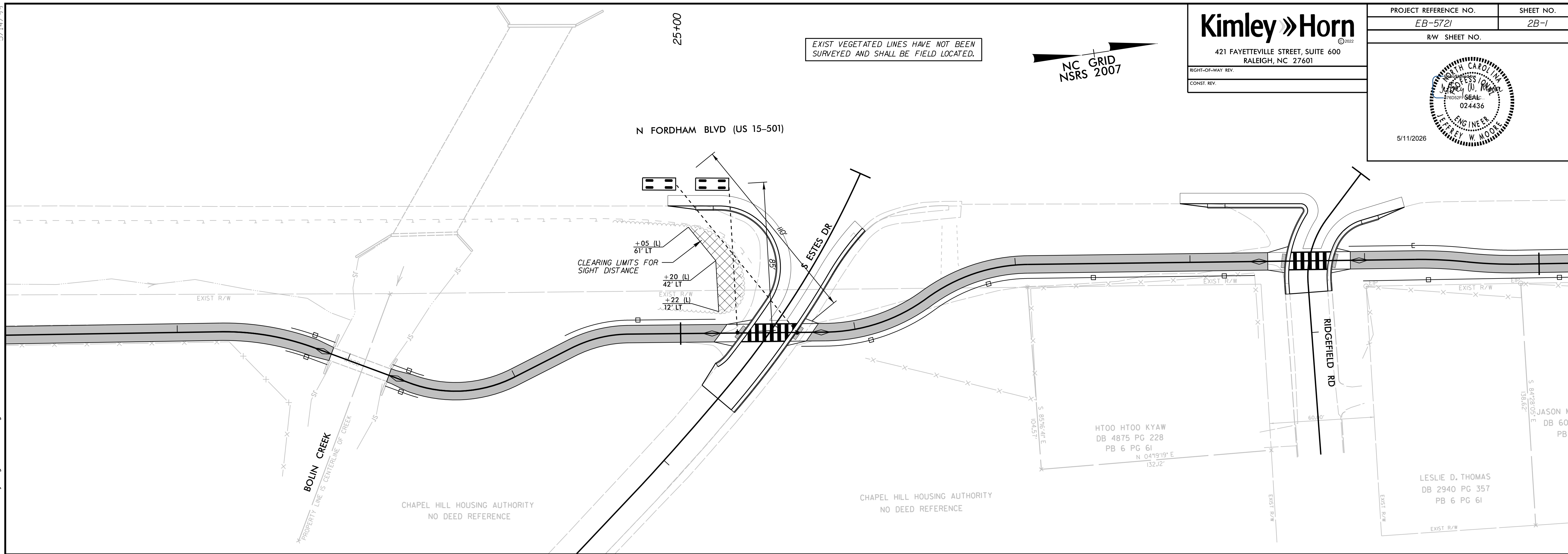
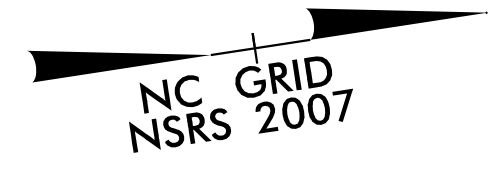
PROJECT REFERENCE NO. EB-5721
 SHEET NO. 2B-1
 RW SHEET NO.

RIGHT-OF-WAY REV.
 CONST. REV.

5/11/2026



EXIST VEGETATED LINES HAVE NOT BEEN SURVEYED AND SHALL BE FIELD LOCATED.



TOWN OF CHAPEL HILL
 CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA) AND NC DOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHJ). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATERSANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
 DATE: _____

5/14/2026 K:\RAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\Plan Sheets\EB-5721_rdy_3p.dgn

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NC DOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHJ). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____

Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.

CONST. REV.

PROJECT REFERENCE NO. SHEET NO.

EB-5721

3A-1

ROADWAY DESIGN
ENGINEER



5/11/2026

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

SUMMARY OF EARTHWORK

IN CUBIC YARDS

LINE	STATION	STATION	EXCAVATION		EMBANKMENT	BORROW	WASTE
			TOTAL UNCLASSIFIED	UNDERCUT	EMBANKMENT + 20%		TOTAL
-L-	10 + 00.00	22 + 89.62	263		613	350	
-L-	23 + 25.32	25 + 33.56	13		190	177	
-L-	25 + 65.82	28 + 51.01	37		254	217	
-L-	28 + 80.16	40 + 91.15	754		866	112	
-L-	41 + 25.09	45 + 18.81	51		86	35	
		SUBTOTAL	1118		2009	891	
		ADDITIONAL UNDERCUT		150			
		PROJECT TOTAL	1118		2189	1071	
		EST. 5% REPLACE TOP SOIL ON BORROW PIT				54	
		GRAND TOTAL	1118	150		1125	
		SAY	1200			1200	

FENCE SUMMARY SHEET

TYPE	BEGIN STATION	END STATION	LENGTH	LOCATION
WOOD POST AND STRANDED CABLE FENCE	16 + 50.00	20 + 52.00	402'	LT
METAL PEDESTRIAN HANDRAIL	22 + 63.93	22 + 89.93	26'	LT
METAL PEDESTRIAN HANDRAIL	22 + 63.93	22 + 89.93	26'	RT
METAL PEDESTRIAN HANDRAIL	23 + 25.10	23 + 44.60	19.5'	LT
METAL PEDESTRIAN HANDRAIL	23 + 25.10	23 + 44.60	19.5'	RT
WOOD POST AND STRANDED CABLE FENCE	24 + 36.00	25 + 32.00	96'	LT
WOOD POST AND STRANDED CABLE FENCE	25 + 70.00	27 + 02.00	132'	RT
72" WOOD FENCE	27 + 02.00	28 + 40.00	138'	RT
72" WOOD FENCE	28 + 99.00	40 + 81.00	1182'	RT
WOOD POST AND STRANDED CABLE FENCE	28 + 89.00	39 + 75.00	1086'	LT
METAL PEDESTRIAN HANDRAIL	39 + 75.00	40 + 79.00	104'	LT
72" WOOD FENCE	41 + 35.00	45 + 13.00	378'	RT

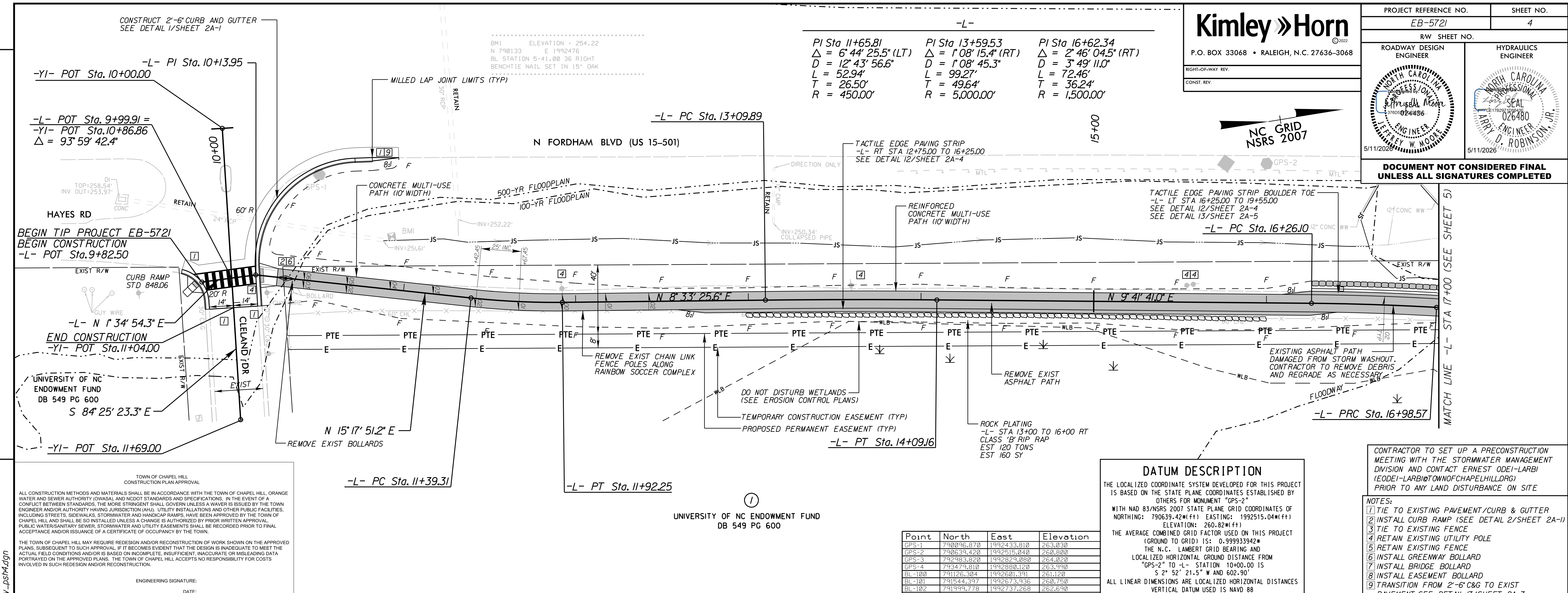
REMOVE FENCE SUMMARY SHEET

TYPE	BEGIN STATION	END STATION	LENGTH	LOCATION
CHAINLINK FENCE	10 + 40.15	22 + 87.91	1300'	RT
WOOD FENCE	27 + 08.56	28 + 36.93	130'	RT
PLASTIC FENCE	40 + 05.64	40 + 62.16	60'	RT
WOOD FENCE	40 + 62.16	40 + 90.26	30'	RT

Kimley Horn
 P.O. BOX 33068 • RALEIGH, N.C. 27636-3068
 RIGHT-OF-WAY REV.
 CONST. REV.

PROJECT REFERENCE NO. EB-5721	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<i>Strudell Moore</i> Professional Engineer No. 024456 5/11/2026	<i>D. ROBINSON</i> Professional Engineer No. 026480 5/11/2026

PI Sta	Δ	D	L	T	R
11+65.81	6° 44' 25.5" (LT)	12' 43" 56.6"	52.94'	26.50'	450.00'
13+59.53	1° 08' 15.4" (RT)	1' 08" 45.3"	99.27'	49.64'	5,000.00'
16+62.34	2° 46' 04.5" (RT)	3' 49" 11.0"	72.46'	36.24'	1,500.00'



TOWN OF CHAPEL HILL
 CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATERSANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE:
 DATE:

UNIVERSITY OF NC ENDOWMENT FUND
 DB 549 PG 600

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY OTHERS FOR MONUMENT "GPS-2" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 790639.42(ft) EASTING: 1992515.04(ft) ELEVATION: 260.82(ft)

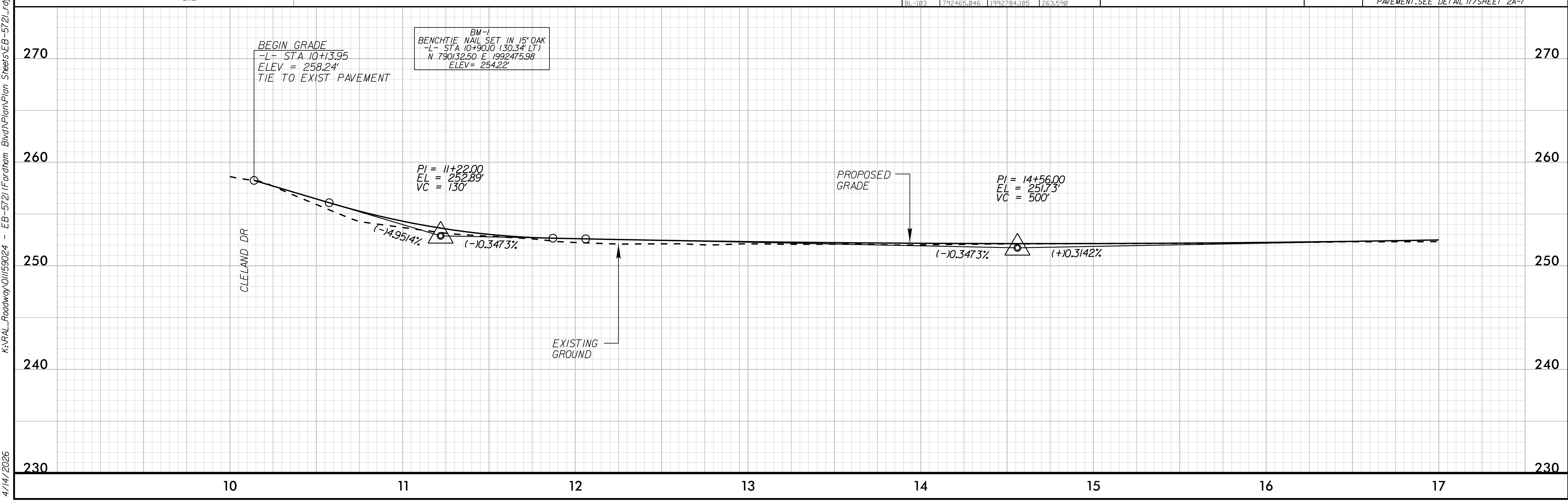
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999933942*

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "GPS-2" TO "L" STATION 10+00.00 IS S 2° 52' 21.5" W AND 602.90'

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88

Point	North	East	Elevation
GPS-1	790096.870	1992433.810	263.030
GPS-2	790639.420	1992515.040	260.800
GPS-3	792983.820	1992829.080	264.020
GPS-4	793474.810	1992880.120	263.990
BL-100	791126.394	1992501.391	261.120
BL-101	791544.397	1992673.936	260.750
BL-102	791999.778	1992737.268	262.690
BL-103	792465.046	1992784.185	263.590

- CONTRACTOR TO SET UP A PRECONSTRUCTION MEETING WITH THE STORMWATER MANAGEMENT DIVISION AND CONTACT ERNEST ODEI-LARBI (EODEI-LARBI@TOWNOFCHAPELHILL.ORG) PRIOR TO ANY LAND DISTURBANCE ON SITE
- NOTES:
- TIE TO EXISTING PAVEMENT/CURB & GUTTER
 - INSTALL CURB RAMP (SEE DETAIL 2/SHEET 2A-1)
 - TIE TO EXISTING FENCE
 - RETAIN EXISTING UTILITY POLE
 - RETAIN EXISTING FENCE
 - INSTALL GREENWAY BOLLARD
 - INSTALL BRIDGE BOLLARD
 - INSTALL EASEMENT BOLLARD
 - TRANSITION FROM 2'-6" C&G TO EXIST PAVEMENT. SEE DETAIL 17/SHEET 2A-7

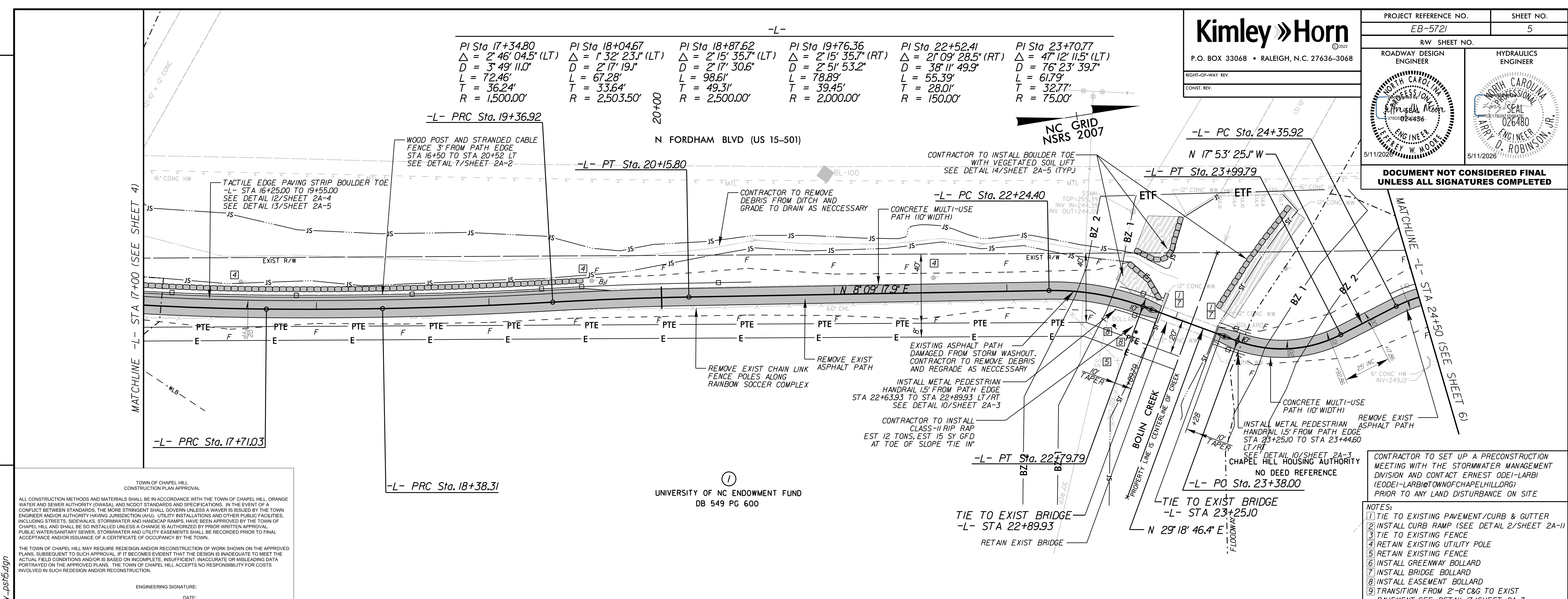


K:\RAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\Plan Sheets\EB-5721_rdy_15r4.dgn 4/14/2026

Kimley Horn
 P.O. BOX 33068 • RALEIGH, N.C. 27636-3068
 RIGHT-OF-WAY REV.
 CONST. REV.

PROJECT REFERENCE NO. EB-5721	SHEET NO. 5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<i>Strussell Moore</i> 024456	<i>D. ROBINSON</i> 026480
5/11/2026	5/11/2026
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

PI Sta 17+34.80 Δ = 2' 46' 04.5" (LT) D = 3' 49' 11.0" L = 72.46' T = 36.24' R = 1,500.00'	PI Sta 18+04.67 Δ = 1' 32' 23.1" (LT) D = 2' 17' 19.1" L = 67.28' T = 33.64' R = 2,503.50'	PI Sta 18+87.62 Δ = 2' 15' 35.7" (LT) D = 2' 17' 30.6" L = 98.61' T = 49.31' R = 2,500.00'	PI Sta 19+76.36 Δ = 2' 15' 35.7" (RT) D = 2' 51' 53.2" L = 78.89' T = 39.45' R = 2,000.00'	PI Sta 22+52.41 Δ = 21' 09' 28.5" (RT) D = 38' 11' 49.9" L = 55.39' T = 28.01' R = 150.00'	PI Sta 23+70.77 Δ = 47' 12' 11.5" (LT) D = 76' 23' 39.7" L = 61.79' T = 32.77' R = 75.00'
---	---	---	---	---	--

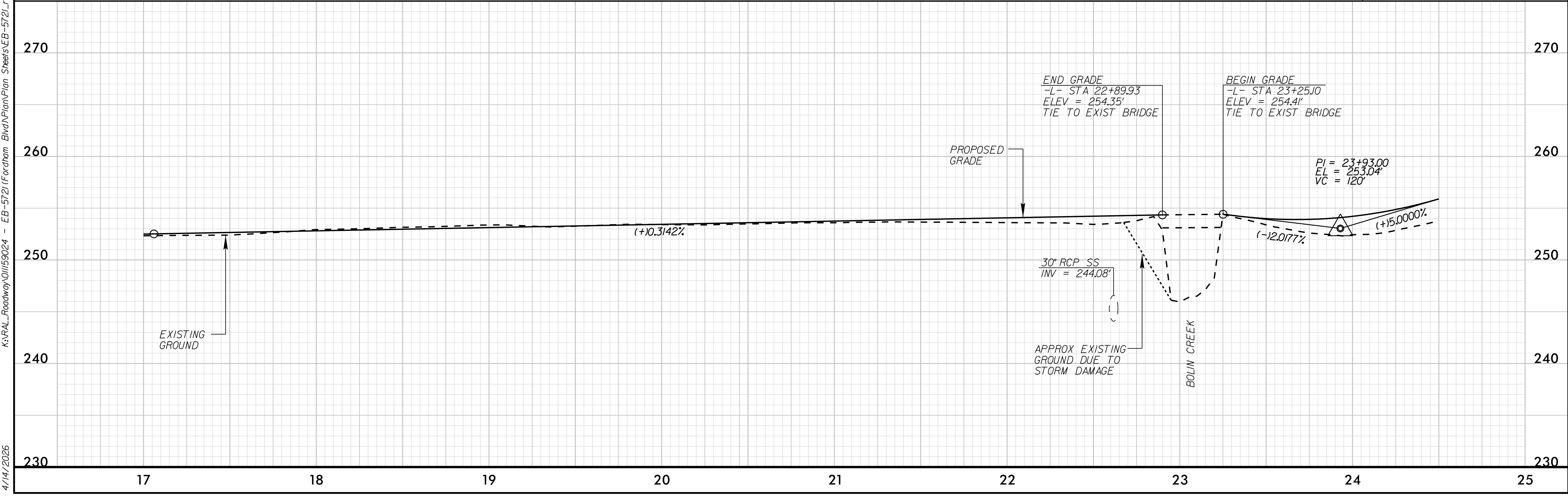


TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE:
DATE:



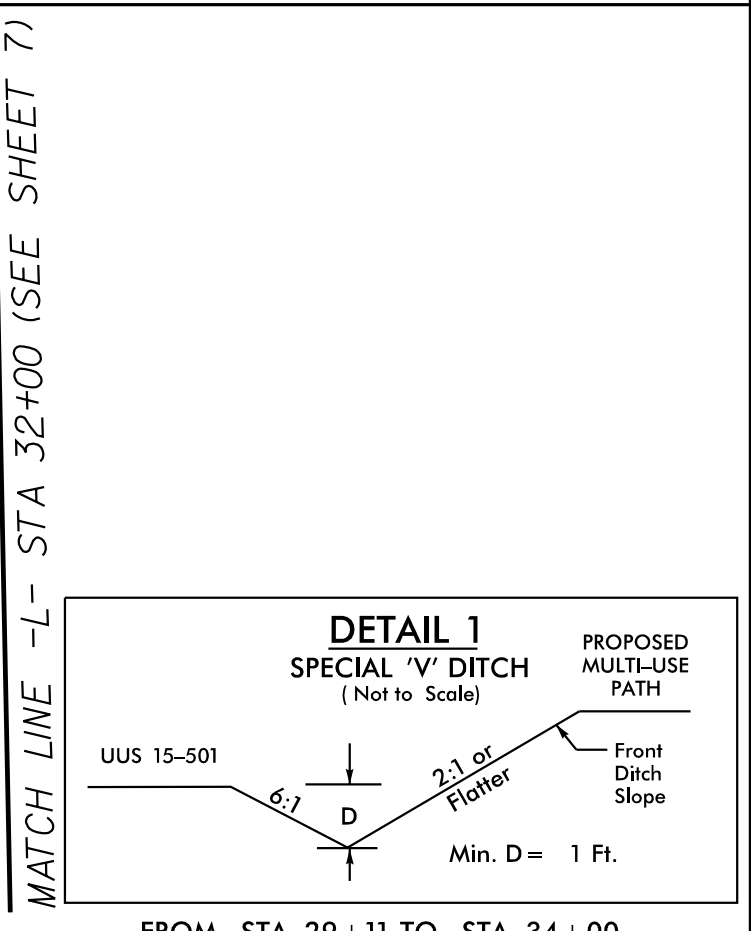
4/14/2026

K:\RAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\Plan Sheets\EB-5721_rdy_dsn5.dgn

Kimley Horn
 P.O. BOX 33068 • RALEIGH, N.C. 27636-3068
 RIGHT-OF-WAY REV.
 CONST. REV.

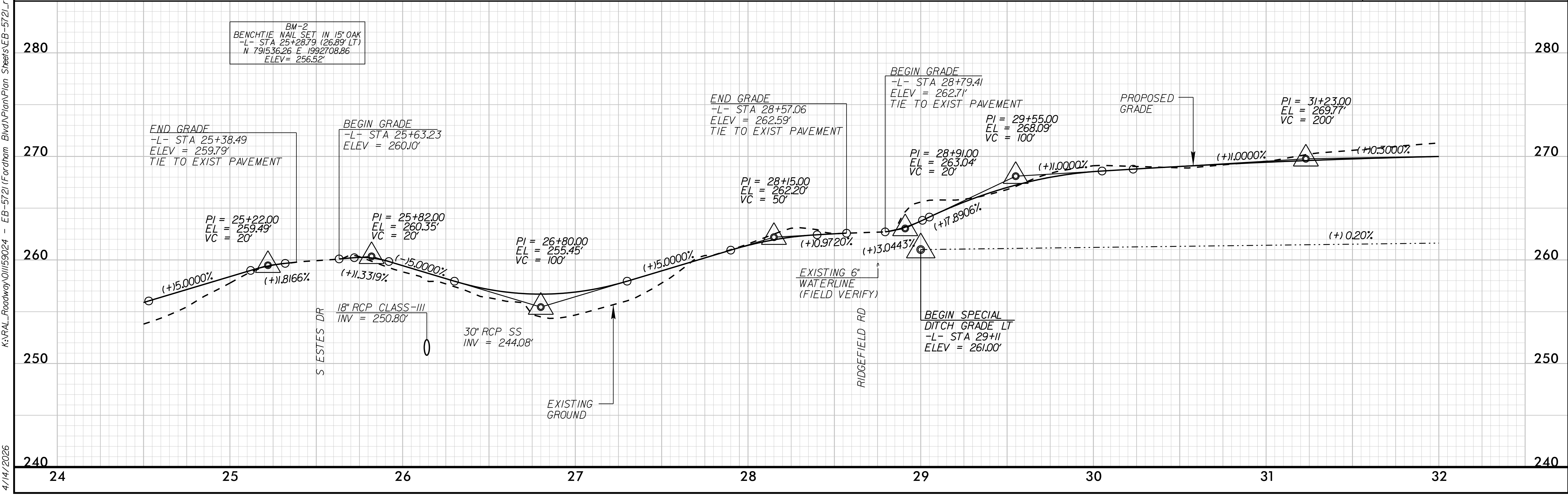
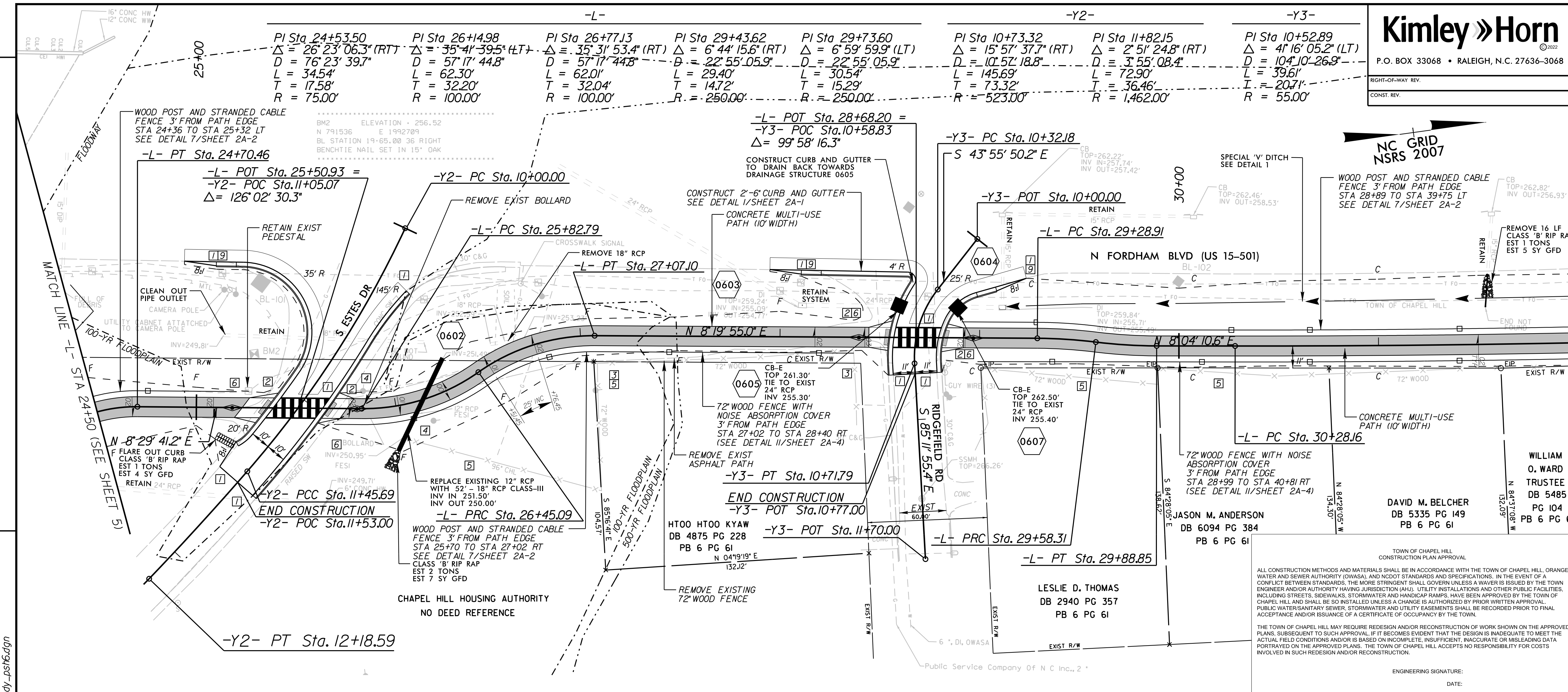
PROJECT REFERENCE NO. EB-5721	SHEET NO. 6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



CONTRACTOR TO SET UP A PRECONSTRUCTION MEETING WITH THE STORMWATER MANAGEMENT DIVISION AND CONTACT ERNEST ODEI-LARBI (EOEI-LARBI@TOWNOFCHAPELHILL.ORG) PRIOR TO ANY LAND DISTURBANCE ON SITE

- NOTES:
- TIE TO EXISTING PAVEMENT/CURB & GUTTER
 - INSTALL CURB RAMP (SEE DETAIL 2/SHEET 2A-1)
 - TIE TO EXISTING FENCE
 - RETAIN EXISTING UTILITY POLE
 - RETAIN EXISTING FENCE
 - INSTALL GREENWAY BOLLARD
 - INSTALL BRIDGE BOLLARD
 - INSTALL EASEMENT BOLLARD
 - TRANSITION FROM 2'-6" C&G TO EXIST PAVEMENT. SEE DETAIL 17/SHEET 2A-7



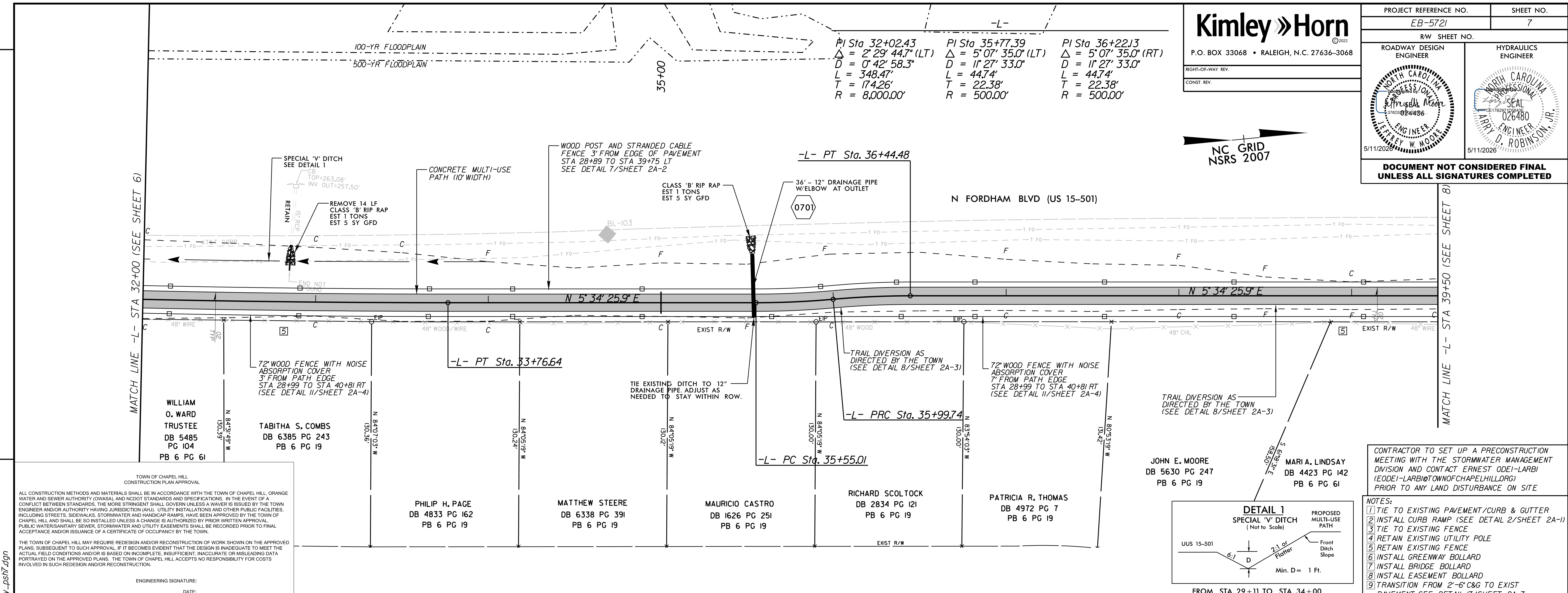
K:\RAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\Plan Sheets\EB-5721_rdy_dwg.dgn 4/14/2026

Kimley » Horn
 P.O. BOX 33068 • RALEIGH, N.C. 27636-3068
 RIGHT-OF-WAY REV.
 CONST. REV.

PROJECT REFERENCE NO. EB-5721	SHEET NO. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



PI Sta 32+02.43 $\Delta = 2^\circ 29' 44.7''$ (LT) $D = 0' 42' 58.3''$ $L = 348.47'$ $T = 174.26'$ $R = 8,000.00'$	PI Sta 35+77.39 $\Delta = 5^\circ 07' 35.0''$ (LT) $D = 1' 27' 33.0''$ $L = 44.74'$ $T = 22.38'$ $R = 500.00'$	PI Sta 36+22.13 $\Delta = 5^\circ 07' 35.0''$ (RT) $D = 1' 27' 33.0''$ $L = 44.74'$ $T = 22.38'$ $R = 500.00'$
---	---	---

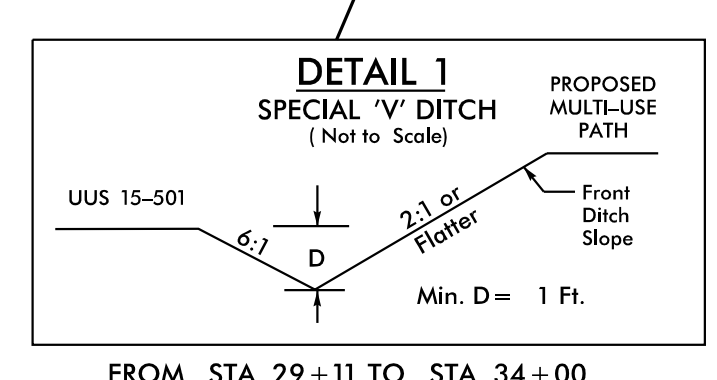
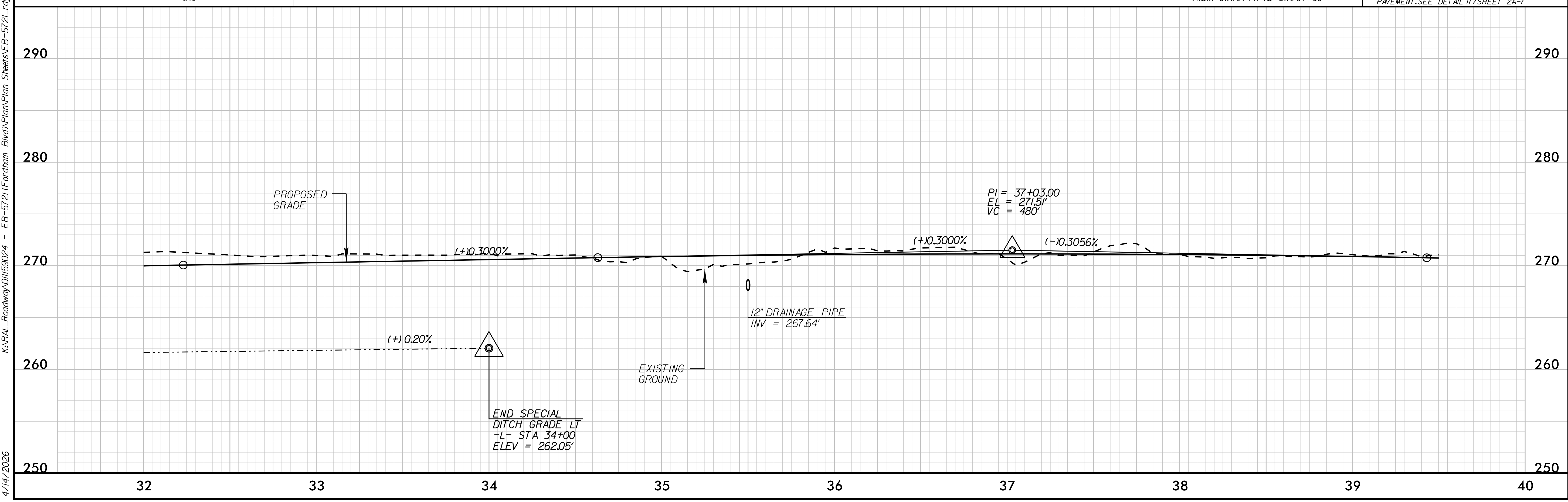


TOWN OF CHAPEL HILL
 CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
 DATE: _____

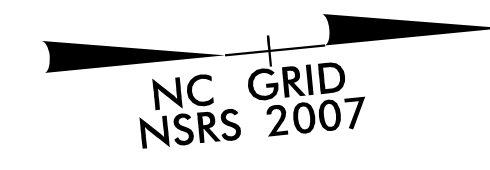


- CONTRACTOR TO SET UP A PRECONSTRUCTION MEETING WITH THE STORMWATER MANAGEMENT DIVISION AND CONTACT ERNEST ODEI-LARBI (EOEI-LARBI@TOWNOFCHAPELHILL.ORG) PRIOR TO ANY LAND DISTURBANCE ON SITE
- NOTES:
- 1 TIE TO EXISTING PAVEMENT/CURB & GUTTER
 - 2 INSTALL CURB RAMP (SEE DETAIL 2/SHEET 2A-1)
 - 3 TIE TO EXISTING FENCE
 - 4 RETAIN EXISTING UTILITY POLE
 - 5 RETAIN EXISTING FENCE
 - 6 INSTALL GREENWAY BOLLARD
 - 7 INSTALL BRIDGE BOLLARD
 - 8 INSTALL EASEMENT BOLLARD
 - 9 TRANSITION FROM 2'-6" C&G TO EXIST PAVEMENT. SEE DETAIL 17/SHEET 2A-7

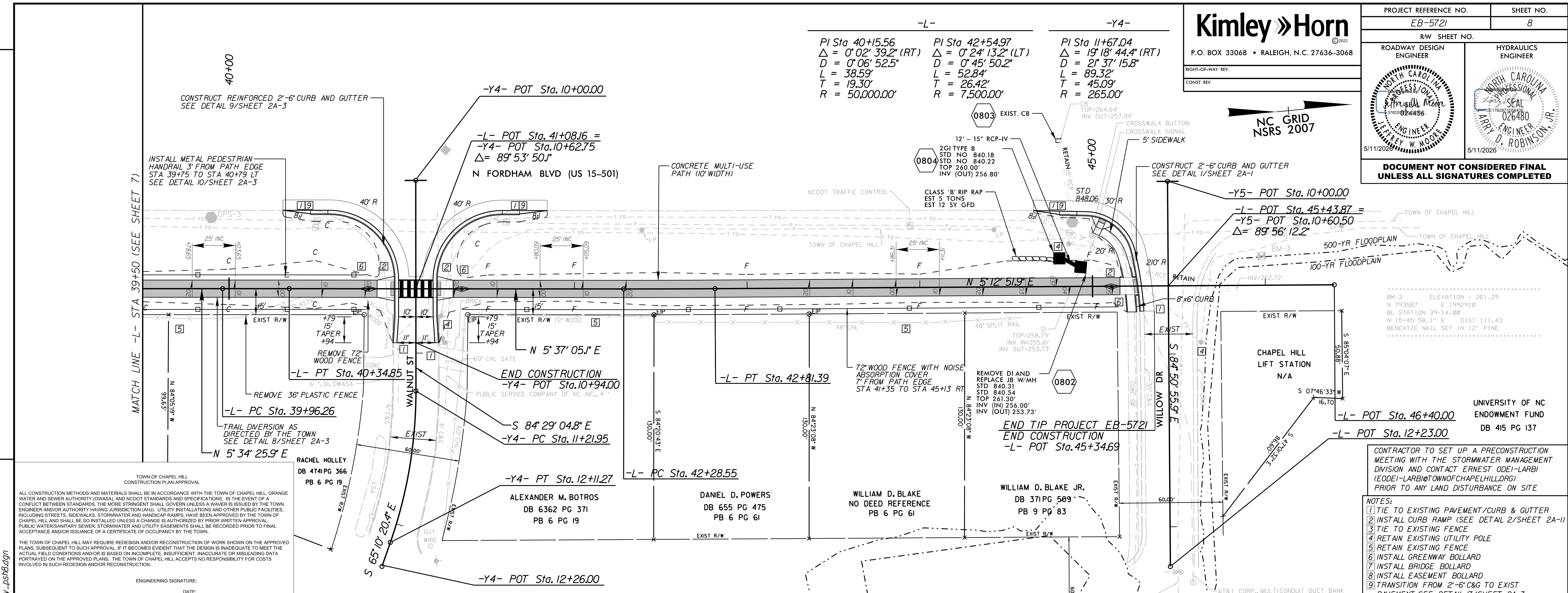
REVISIONS

K:\RAL_Roadway\01155024 - EB-5721\Fordham Blvd\Plan\Plan Sheets\EB-5721_rdy_dsr.dgn 4/14/2026

PROJECT REFERENCE NO. EB-5721	SHEET NO. 8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

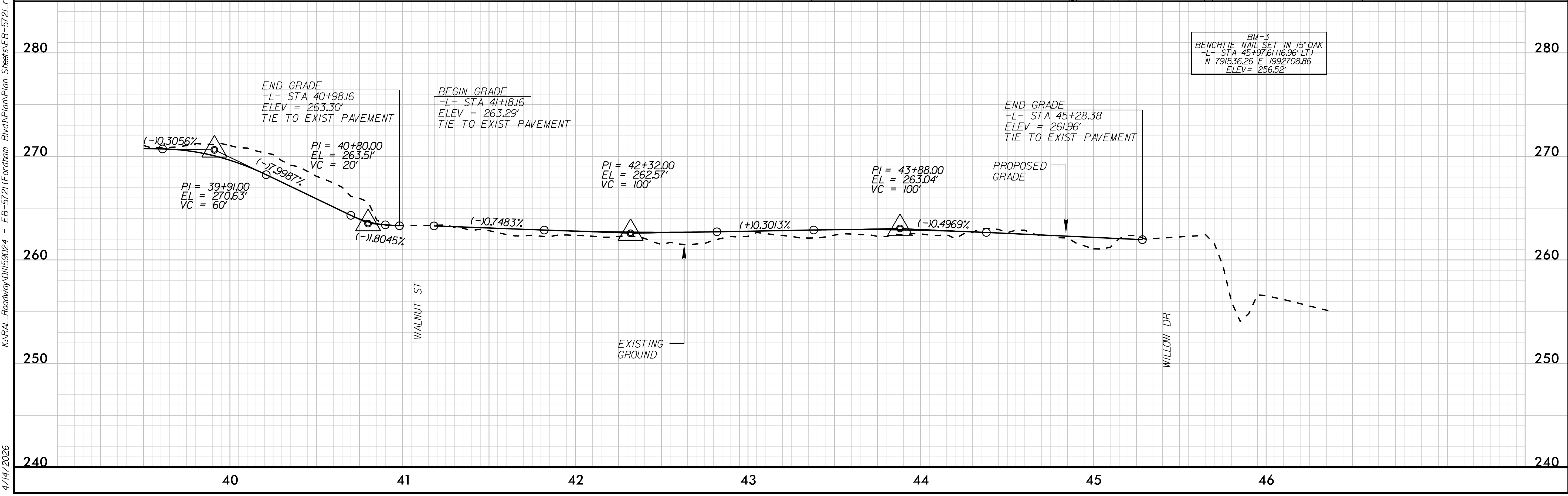


-L-	-Y4-	-Y5-
PI Sta 40+15.56	PI Sta 42+54.97	PI Sta 11+67.04
$\Delta = 0^{\circ}02'39.2"$ (RT)	$\Delta = 0^{\circ}24'13.2"$ (LT)	$\Delta = 19^{\circ}18'44.4"$ (RT)
$D = 0^{\circ}06'52.5"$	$D = 0^{\circ}45'50.2"$	$D = 2^{\circ}37'15.8"$
$L = 38.59'$	$L = 52.84'$	$L = 89.32'$
$T = 19.30'$	$T = 26.42'$	$T = 45.09'$
$R = 50,000.00'$	$R = 7,500.00'$	$R = 265.00'$



CONTRACTOR TO SET UP A PRECONSTRUCTION MEETING WITH THE STORMWATER MANAGEMENT DIVISION AND CONTACT ERNEST ODEI-LARBI (EODEI-LARBI@TOWNOFCHAPELHILL.ORG) PRIOR TO ANY LAND DISTURBANCE ON SITE

NOTES:
 1 TIE TO EXISTING PAVEMENT/CURB & GUTTER
 2 INSTALL CURB RAMP (SEE DETAIL 2/SHEET 2A-1)
 3 TIE TO EXISTING FENCE
 4 RETAIN EXISTING UTILITY POLE
 5 RETAIN EXISTING FENCE
 6 INSTALL GREENWAY BOLLARD
 7 INSTALL BRIDGE BOLLARD
 8 INSTALL EASEMENT BOLLARD
 9 TRANSITION FROM 2'-6" C&G TO EXIST PAVEMENT. SEE DETAIL 17/SHEET 2A-7



REVISIONS

K:\RAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\Plan Sheets\EB-5721_rdy_dsr.dgn 4/14/2026

NARRATIVE

Project Description

EB-5721 is a multi-use trail along the east side of Fordham Boulevard for bicycle and pedestrian use constructed by the Town of Chapel Hill. The project is a combination of upgrading an existing path and building a new path. The existing 0.3 mile long section of the multi-use path between Cleland Drive and Ridgefield Road is proposed to be upgraded to meet North Carolina Bicycle Program and American Association of State Highway and Transportation Officials (AASHTO) standards. The existing timber boardwalk over Bolin Creek would be retained as part of the project. The proposed 0.4 mile long section of the multi-use path between Ridgefield Road and Willow Drive would be constructed on new location.

Site Description

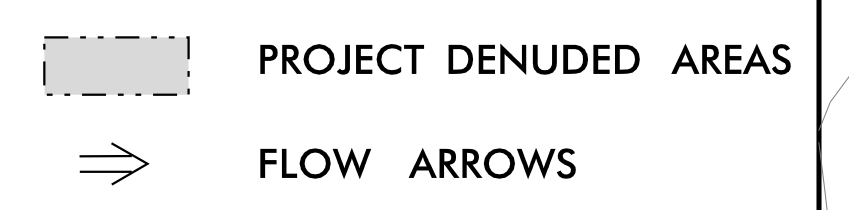
The project corridor is located in the piedmont physiographic region of North Carolina. The corridor topography is moderate, ranging about 50 feet in elevation. It is located adjacent to the Rainbow Soccer Complex and Little Ridgefield neighborhood. Four jurisdictional streams, including Bolin Creek, and two jurisdictional wetlands are present within the project area. However, the project is not anticipated to impact any jurisdictional streams, and no permanent impacts to jurisdictional wetlands are anticipated. The project will be constructed in the Bolin Creek regulatory floodway, 100-year floodplain, and 500-year floodplain, and is located within the Haw River (Jordan Lake) protected water supply watershed.

Soils

The classified soils in this corridor include Chewacla loam, White Store sandy loam, White Store-Urban land complex, and Urban Land.

IMPERVIOUS AND PERVIOUS SURFACES IN EB-5721 (FORDHAM BLVD) DISTURBED AREAS

PROPOSED IMPERVIOUS SURFACE = 0.94 AC
PROPOSED PERVIOUS SURFACE = 1.87 AC



 PROJECT DENUDED AREAS (shaded area)

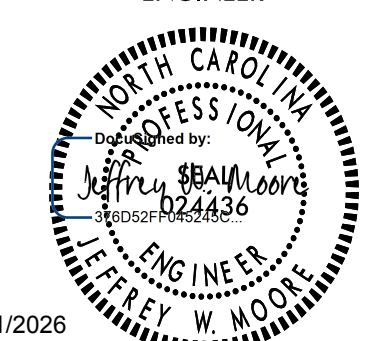
 FLOW ARROWS (arrow symbol)

Total Denuded Area (shaded) = 2.97 acres

Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

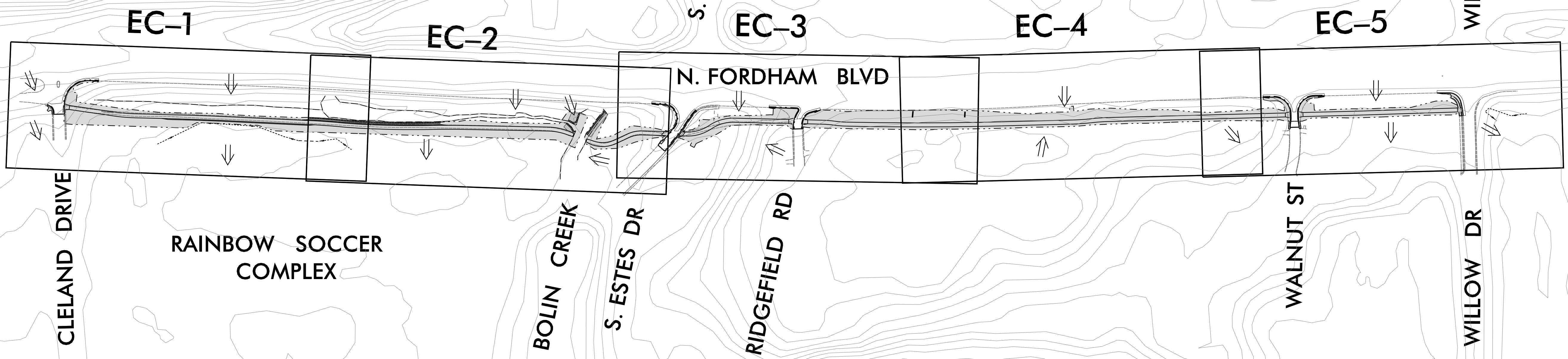
PROJECT REFERENCE NO. EB-5721	SHEET NO. EC-1A
ROADWAY DESIGN ENGINEER	
	
5/11/2026	

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



K:\RAL_Roadway\011159024 - EB-5721\Fordham Blvd\Plan\Erosion Control\EB-5721_EC_psh_A.dgn

4/14/2026



TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NC DOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHJ). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____

5/14/2026
K:\RAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\Erosion Control\EB-5721_EC_dsh.dgn
4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

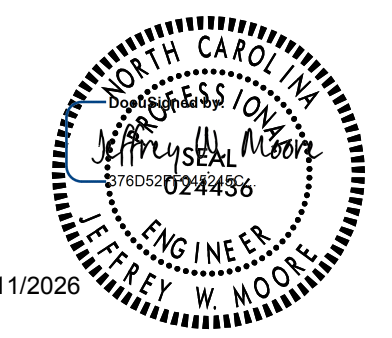
ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NC DOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (A.H.). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

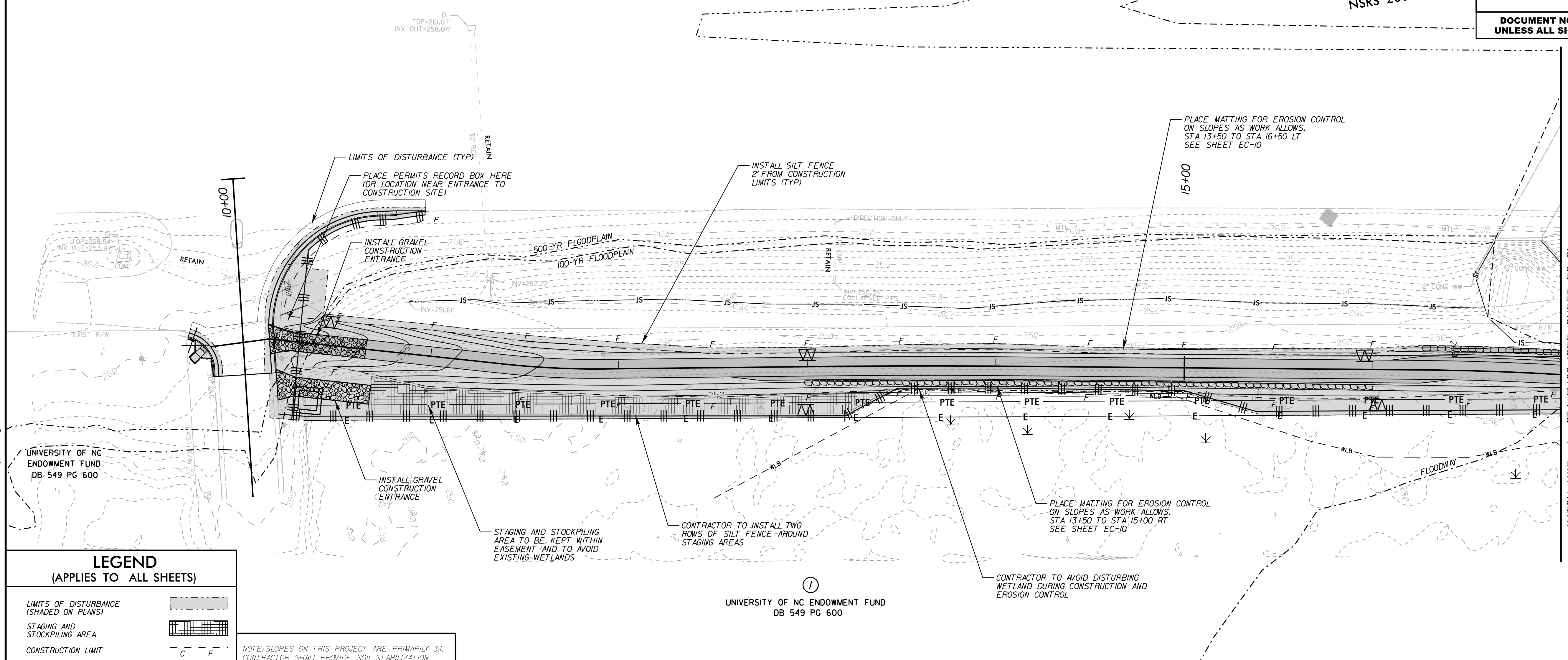
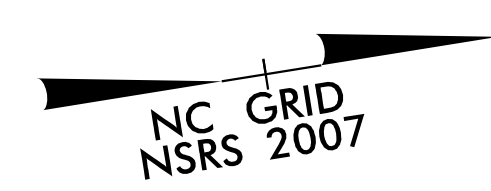
THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____

Kimley Horn
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV. _____
CONST. REV. _____

PROJECT REFERENCE NO. <i>EB-5721</i>	SHEET NO. <i>EC-1</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
	
5/11/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



LEGEND (APPLIES TO ALL SHEETS)

LIMITS OF DISTURBANCE (SHADED ON PLANS)	
STAGING AND STOCKPILING AREA	
CONSTRUCTION LIMIT	
TEMPORARY SILT FENCE (SEE DETAIL ON SHEET EC-7)	
TREE PROTECTION FENCE (SEE DETAIL ON SHEET EC-7)	
TEMPORARY CONSTRUCTION ENTRANCE (SEE DETAIL ON SHEET EC-8)	
CONCRETE WASHOUT STRUCTURE (SEE DETAIL ON SHEETS EC-12)	
CHECK DAM (SEE DETAIL ON SHEET EC-9)	
TEMPORARY ROCK PIPE INLET SEDIMENT TRAP (SEE NC DOT STD DETAIL 1635.02 ON SHEET EC-9)	
STORM DRAIN INLET PROTECTION (SEE DETAILS ON SHEETS EC-8 and EC-9)	
TEMPORARY ROCK SILT CHECK TYPE B (SEE NC DOT STD DETAIL 1633.02 ON SHEET EC-10)	
SPECIAL SEDIMENT CONTROL FENCE/SILT FENCE OUTLET (SEE DETAIL ON SHEET EC-7)	
EXISTING CONTOUR	
PROPOSED CONTOUR	

NOTE: SLOPES ON THIS PROJECT ARE PRIMARILY 3:1. CONTRACTOR SHALL PROVIDE SOIL STABILIZATION ON SLOPES STEEPER THAN 3:1 AND ON THE SLOPES OF DITCHES, SWALES, AND DIVERSIONS WITHIN 7 DAYS. ALL OTHER SLOPES SHALL BE STABILIZED WITHIN 14 DAYS AS REQUIRED BY NPDES GENERAL STORMWATER PERMIT. REFER TO CROSS SECTIONS.

CONSTRUCTION ENTRANCES TO BE FIELD ADJUSTED DURING CONSTRUCTION PHASING TO ENSURE TRACKING DOES NOT OCCUR OUTSIDE OF PROJECT CORRIDOR. SEE SHEET EC-8 FOR DETAIL.

SELF-INSPECTIONS AND SELF-MONITORING SHALL BE CONDUCTED IN ACCORDANCE WITH THE CONDITIONS OF THE NPDES PERMIT NO. NCG010000 AND NORTH CAROLINA GENERAL STATUTE 113A-54(J) AND 15A NCAC 04B.01(3)

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT, EFFECTIVE APRIL 1, 2019 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

**NPDES GENERAL STORMWATER PERMIT
SOIL STABILIZATION TIMEFRAMES**

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HOW ZONES.

GENERAL NOTES

- ALL EROSION CONTROL MEASURES TO BE WITHIN LIMITS OF DISTURBANCE.
- CONTRACTOR TO ENSURE THAT ALL ROADWAYS, PARKING LOTS, AND CURB LINES ADJACENT TO THIS PROJECT ARE FREE OF DEBRIS, DIRT, AND EQUIPMENT DURING THE PROJECT DURATION UNLESS DIRECTED BY TOWN ENGINEER. ANY DAMAGE TO EXISTING CURB AND GUTTER, ROADS, OR PARKING LOTS AT CONSTRUCTION ENTRANCES MUST BE REPAIRED AT THE CONTRACTORS EXPENSE.
- PIPES SHALL BE INSTALLED/REPLACED IN THE DRY (WITH A MIN. 3 DAYS OF DRY WEATHER DURING INSTALLATION) OR CONTRACTOR SHALL PLAN TO ISOLATE AND DEWATER EXCAVATED AREAS AS NEEDED USING SILT BAGS AND/OR COFFER DAM AND PUMP AROUND. IF SILT BAGS ARE UTILIZED, CONTRACTOR TO INSPECT BAG FOR DAMAGE AND BACKLOG, REPLACE BAG WHEN 3/4 FULL OF SEDIMENT, AND PROVIDE A SUFFICIENT QUANTITY OF BAGS TO CONTAIN SILT FROM PUMPED EFFLUENT DURING CONSTRUCTION.
- WHERE SILT FENCES ARE LOCATED BELOW STORM DRAIN OUTLETS, THEIR LOCATIONS MUST BE MODIFIED AS THE STORM DRAINS ARE INSTALLED SO THAT THE FENCES WILL PASS OVER THE PIPE OUTLETS.
- SILT FENCE OUTLET MUST BE ADDED IN THE FIELD WHENEVER LOW POINTS ARE ENCOUNTERED ALONG SILT FENCE RUNS.
- ALL EROSION CONTROL MEASURES MUST BE SELF-INSPECTED PER NOTES ON PAGE EC-12.
- INSTALL ANY ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY TO PREVENT SEDIMENT RUNOFF.
- NO BURNING WILL BE ALLOWED ON THE PROJECT.
- INLET PROTECTION TO BE INSTALLED AND MAINTAINED WHEN UNSTABLE AND SEDIMENT LADEN SOIL IS DRAINING TO STRUCTURES.
- ROCK CHECK DAMS TO BE INSTALLED AND MAINTAINED WHEN UNSTABLE AND SEDIMENT LADEN SOIL IS DRAINING IN DITCHES. CONTRACTOR TO COORDINATE WITH TOWN INSPECTOR TO DETERMINE WHEN ROCK CHECK DAMS MAY BE REPLACED BY WATTLES UPON PARTIAL STABILIZATION OF SOIL.
- CONTRACTOR TO USE J-HOOKS AS PER DETAIL WHEN ENDING SILT FENCE ALONG STEEP SLOPES.
- USE ROLLED EROSION CONTROL PRODUCTS ON ALL CUT/FILL SLOPES INCLUDING BASINS AS NECESSARY FOR STABILIZATION.
- DO NOT ALLOW CONCRETE DUST/WASTE/WASTEWATER INTO STORM DRAIN OR OFF-SITE. ALL SEDIMENT MUST BE CLEANED OFF THE ROADWAY BY DRY SWEEPING METHODS ONLY. WATER MUST NOT BE USED TO WASH SEDIMENT OFF OF ROADS, DRIVEWAYS, OR PARKING LOTS.
- MINIMIZE BUFFER DISTURBANCE AS MUCH AS POSSIBLE. WORK WITHIN BUFFER ZONE SHOULD BE SEQUENCED TO MINIMIZE THE LENGTH OF TIME THAT DISTURBED AREAS ARE EXPOSED.
- STREAM BANK STABILIZATION SHOULD BE PHASED SO THAT EACH DAY'S WORK IS COMPLETED AND ADEQUATELY STABILIZED AT THE END OF EACH WORK DAY.

MATCH LINE - L - STA 17+00 (SEE SHEET EC-2)

5/14/2026
K:\RAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\Erosion Contr\EB-5721_EC_dsh_3.dgn

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NC DOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHJ). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

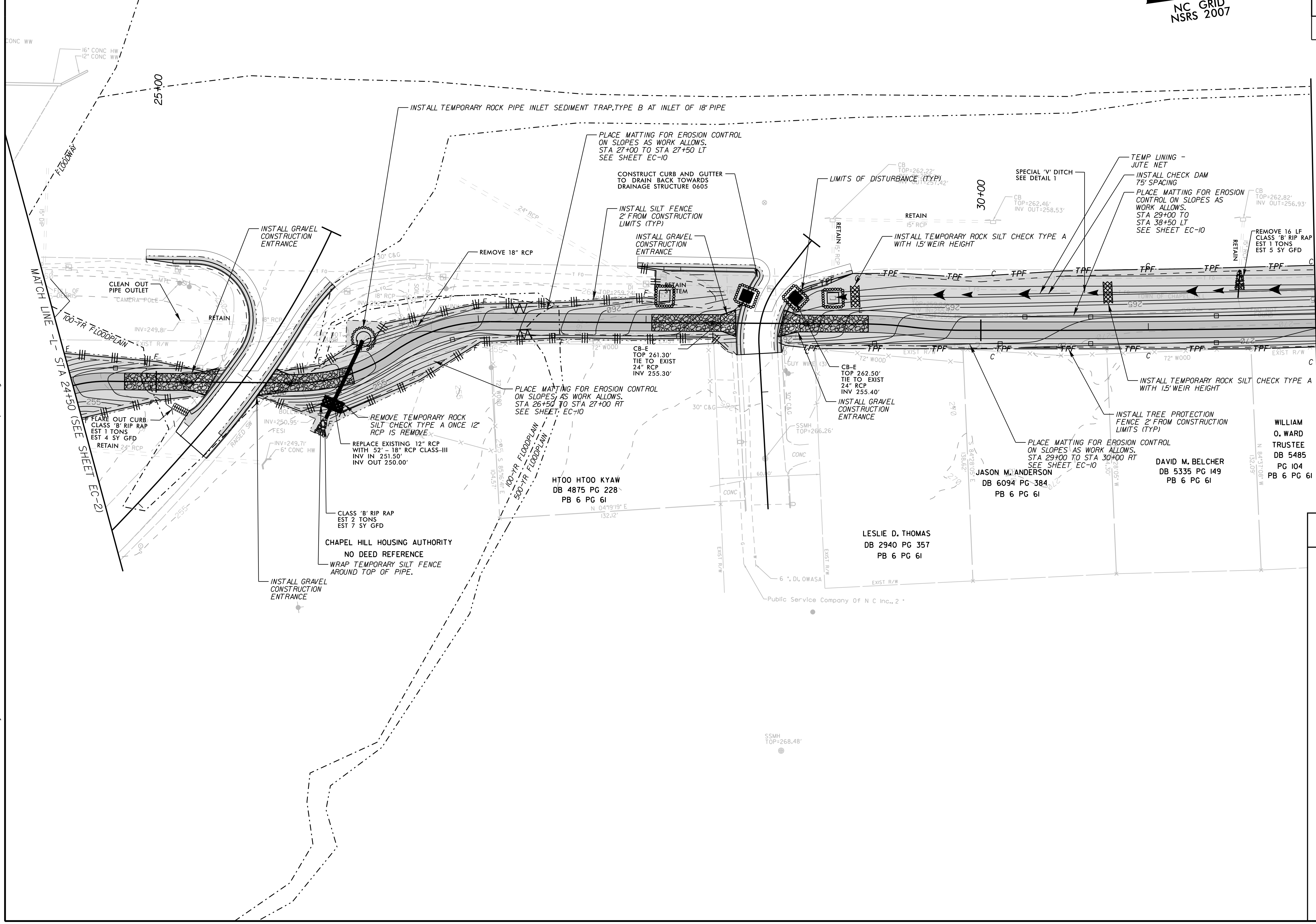
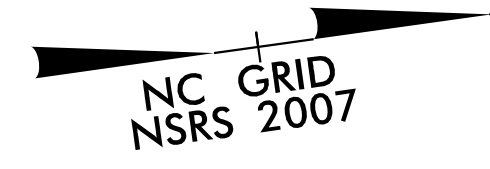
ENGINEERING SIGNATURE: _____
DATE: _____

Kimley Horn
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

ROADWAY DESIGN
ENGINEER

RIGHT-OF-WAY REV. _____
CONST. REV. _____

PROJECT REFERENCE NO. EB-5721	SHEET NO. EC-3
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
5/11/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCH LINE -L- STA 32+00 (SEE SHEET EC-4)

LEGEND
(APPLIES TO ALL SHEETS)

LIMITS OF DISTURBANCE (SHADED ON PLANS)	
CONSTRUCTION LIMIT	
TEMPORARY SILT FENCE (SEE DETAIL ON SHEET EC-7)	
TREE PROTECTION FENCE (SEE DETAIL ON SHEET EC-7)	
TEMPORARY CONSTRUCTION ENTRANCE (SEE DETAIL ON SHEET EC-8)	
CONCRETE WASHOUT STRUCTURE (SEE DETAIL ON SHEETS EC-12)	
CHECK DAM (SEE DETAIL ON SHEET EC-9)	
TEMPORARY ROCK PIPE INLET SEDIMENT TRAP (SEE NCDOT STD DETAIL 1635.02 ON SHEET EC-9)	
STORM DRAIN INLET PROTECTION (SEE DETAILS ON SHEETS EC-8 AND EC-9)	
TEMPORARY ROCK SILT CHECK TYPE B (SEE NCDOT STD DETAIL 1633.02 ON SHEET EC-10)	
SPECIAL SEDIMENT CONTROL FENCE/SILT FENCE OUTLET (SEE DETAIL ON SHEET EC-7)	
EXISTING CONTOUR	
PROPOSED CONTOUR	

WILLIAM O. WARD
TRUSTEE
DB 5485
PG 104
PB 6 PG 61

DAVID M. BELCHER
DB 5335 PG 149
PB 6 PG 61

JASON M. ANDERSON
DB 6094 PG 384
PB 6 PG 61

LESLIE D. THOMAS
DB 2940 PG 357
PB 6 PG 61

HT00 HT00 KYAW
DB 4875 PG 228
PB 6 PG 61

K:\RAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\Erosion Control\EB-5721_EC_dsh_4.dgn 4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NC DOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (A/H). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

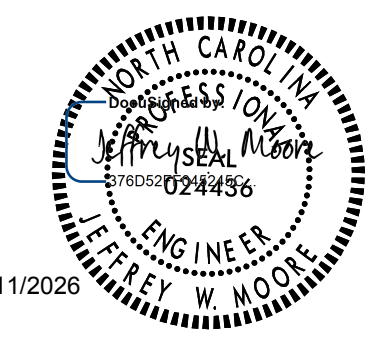
THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

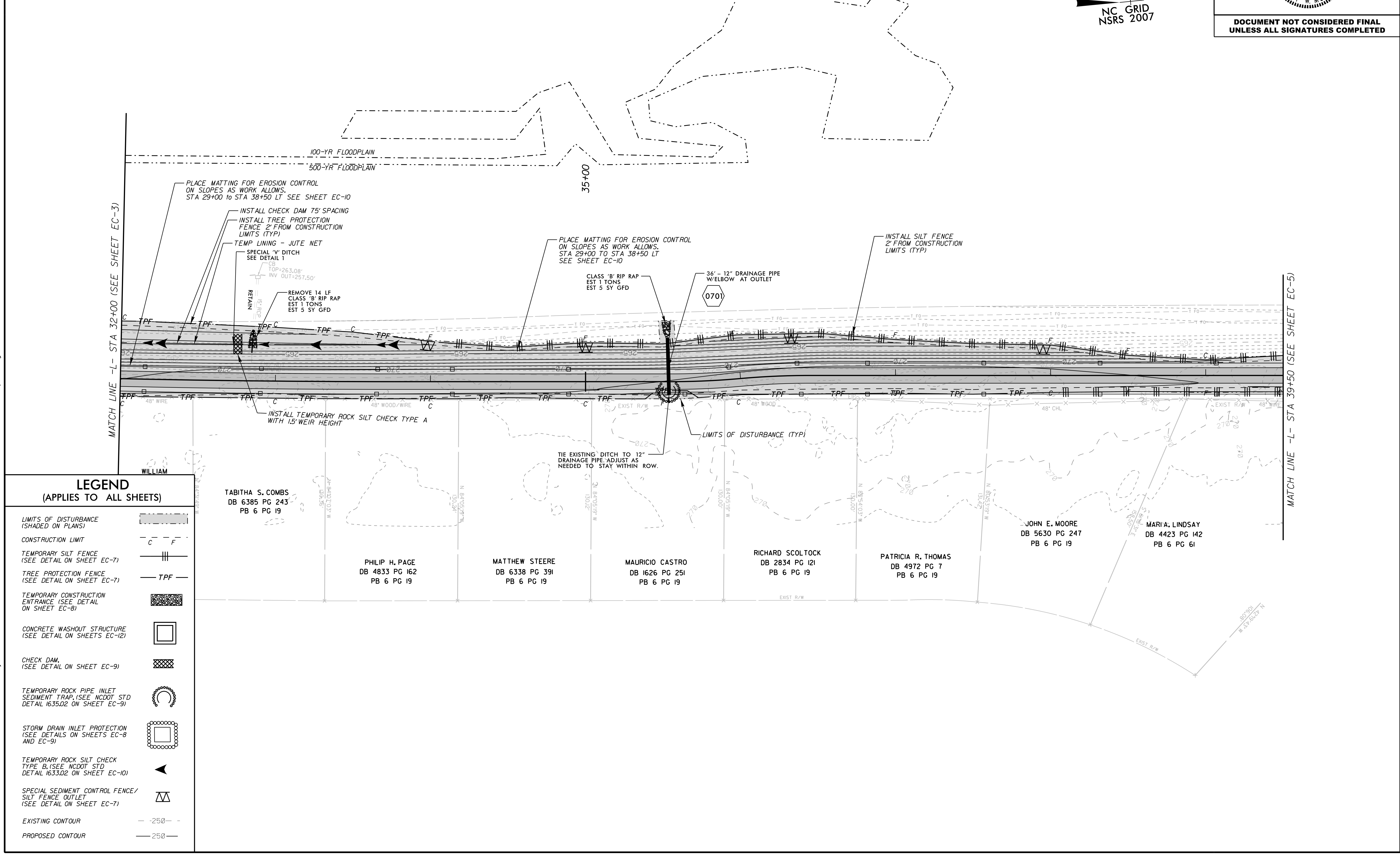
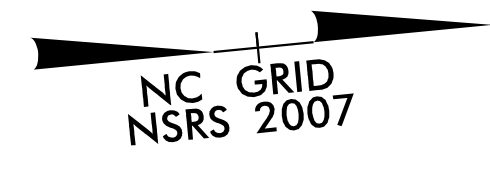
ENGINEERING SIGNATURE: _____
DATE: _____

Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV. _____
CONST. REV. _____

PROJECT REFERENCE NO. EB-5721	SHEET NO. EC-4
RW SHEET NO. ROADWAY DESIGN ENGINEER	
	
5/11/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



LEGEND
(APPLIES TO ALL SHEETS)

LIMITS OF DISTURBANCE (SHADED ON PLANS)	
CONSTRUCTION LIMIT	
TEMPORARY SILT FENCE (SEE DETAIL ON SHEET EC-7)	
TREE PROTECTION FENCE (SEE DETAIL ON SHEET EC-7)	
TEMPORARY CONSTRUCTION ENTRANCE (SEE DETAIL ON SHEET EC-8)	
CONCRETE WASHOUT STRUCTURE (SEE DETAIL ON SHEETS EC-12)	
CHECK DAM (SEE DETAIL ON SHEET EC-9)	
TEMPORARY ROCK PIPE INLET SEDIMENT TRAP (SEE NCDOT STD DETAIL 1635.02 ON SHEET EC-9)	
STORM DRAIN INLET PROTECTION (SEE DETAILS ON SHEETS EC-8 AND EC-9)	
TEMPORARY ROCK SILT CHECK TYPE B (SEE NCDOT STD DETAIL 1633.02 ON SHEET EC-10)	
SPECIAL SEDIMENT CONTROL FENCE/SILT FENCE OUTLET (SEE DETAIL ON SHEET EC-7)	
EXISTING CONTOUR	
PROPOSED CONTOUR	

5/14/2026
K:\RAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\Erosion Control\EB-5721_EC_dsh_5.dgn

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NC DOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (A.H.). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____

Kimley » Horn
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

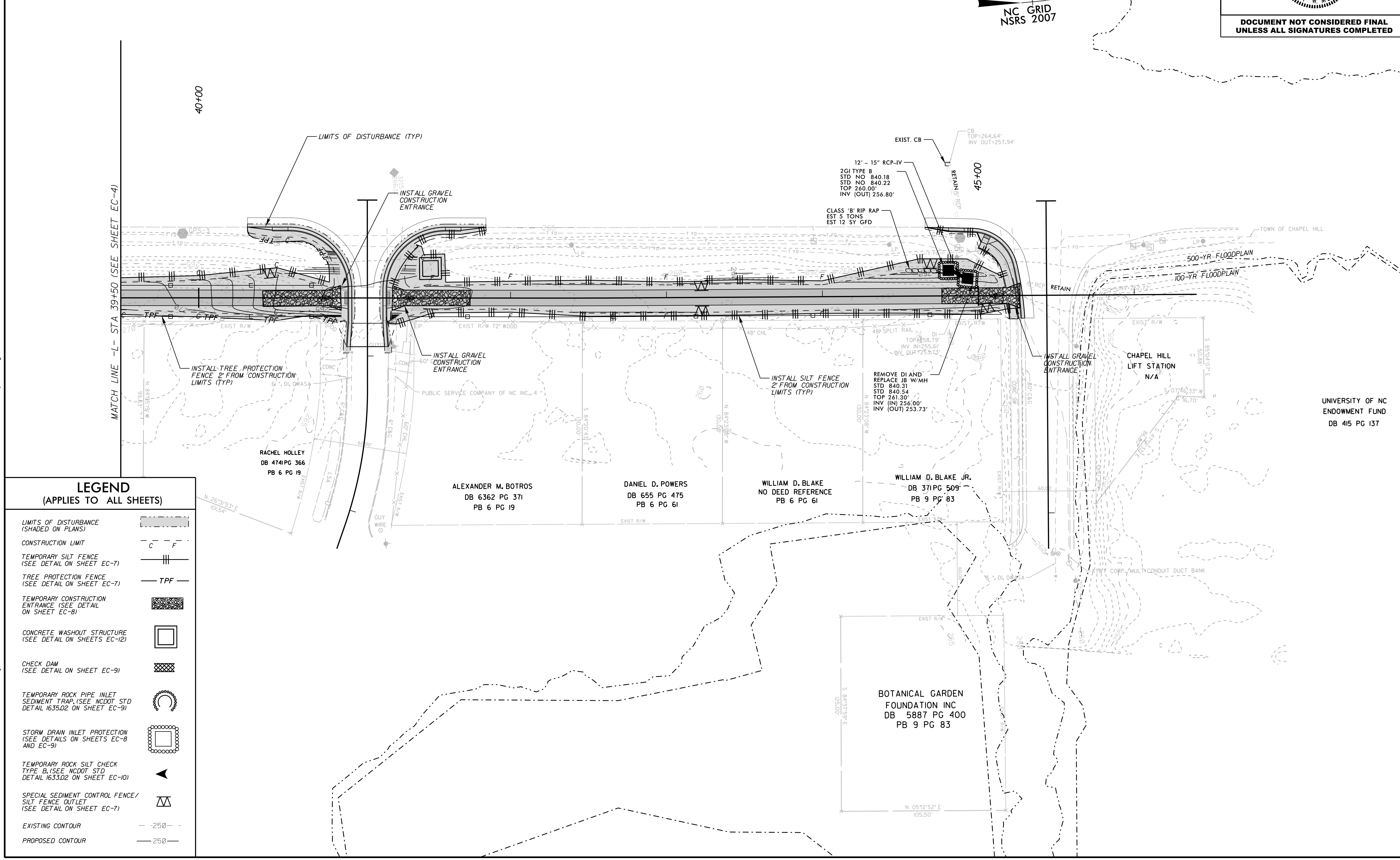
PROJECT REFERENCE NO. EB-5721
SHEET NO. EC-5

R/W SHEET NO. ROADWAY DESIGN ENGINEER

RIGHT-OF-WAY REV. _____
CONST. REV. _____

5/11/2026

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



**LEGEND
(APPLIES TO ALL SHEETS)**

- LIMITS OF DISTURBANCE (SHADED ON PLANS) [Shaded Area]
- CONSTRUCTION LIMIT [Dashed Line]
- TEMPORARY SILT FENCE (SEE DETAIL ON SHEET EC-7) [Vertical Line with Dashes]
- TREE PROTECTION FENCE (SEE DETAIL ON SHEET EC-7) [TPF]
- TEMPORARY CONSTRUCTION ENTRANCE (SEE DETAIL ON SHEET EC-8) [Hatched Area]
- CONCRETE WASHOUT STRUCTURE (SEE DETAIL ON SHEETS EC-12) [Square with Dashed Border]
- CHECK DAM (SEE DETAIL ON SHEET EC-9) [Cross-hatched Area]
- TEMPORARY ROCK PIPE INLET SEDIMENT TRAP (SEE NCDOT STD DETAIL 1635.02 ON SHEET EC-9) [Circular Structure]
- STORM DRAIN INLET PROTECTION (SEE DETAILS ON SHEETS EC-8 AND EC-9) [Square with Dashed Border]
- TEMPORARY ROCK SILT CHECK TYPE B (SEE NCDOT STD DETAIL 1633.02 ON SHEET EC-10) [Arrow]
- SPECIAL SEDIMENT CONTROL FENCE/SILT FENCE OUTLET (SEE DETAIL ON SHEET EC-7) [Triangle]
- EXISTING CONTOUR [Dashed Line]
- PROPOSED CONTOUR [Solid Line]

UNIVERSITY OF NC
ENDOWMENT FUND
DB 415 PG 137

CONSTRUCTION SEQUENCE

CONSTRUCTION SPECIFICATIONS

- 1. Hold preconstruction conference at least one week prior to starting construction with Town of Chapel Hill Stormwater Management Division...
2. Per NPDES requirements, a rain gauge, self-inspections records, permit, Certificate of Coverage, and S&E plan are to be maintained on site...
3. Erosion and Sediment Control (E&SC) permit and a Certificate of Coverage (COC) must be obtained before any land disturbing activities occur...
4. Flag the work limits for protection.
5. Prior to any land disturbing (including demolition) activities, install silt/tree protection fence, construction entrance, temporary stream crossings, and all other erosion control devices along the perimeter...
6. Pipes shall be installed/replaced in the dry (with a minimum 3 days of dry weather during installation) or contractor shall plan to isolate and dewater excavated areas...
7. In accordance with the erosion control plans, grade trail, and place reinforced silt fence every seven calendar days and within 24 hours of every rain event greater than 1 inch...
8. Complete final grading for trail.
9. Finish grading of slopes, topsoil critical areas and permanently vegetate, seed and mulch.
10. All graded areas will be seeded, fertilized and mulched according to NCDOT specifications to maintain a vigorous, dense, vegetative cover within 7 to 14 days...

- 11. Self-inspections for erosion and sedimentation control measures are to be performed at least once every seven calendar days and within 24 hours of every rain event greater than 1 inch. Any needed repairs shall be made immediately to maintain measures as designed. All E&SC measures shall be maintained as specified in the construction details on this plan. A rain gauge shall be installed at the project site for monitoring.
12. Estimated time before final stabilization is 6 months.
13. Site includes approximately 1.87 acres of permanent vegetation area.
14. Perimeter measures must be left in place until all upland areas are permanently stabilized. After site is permanently stabilized, remove all temporary erosion control measures and provide permanent seeding where temporary measures have been removed and ground cover is not adequate.
15. AFTER SITE IS STABILIZED, construction entrances, and construction staging and material area stockpile areas, and all other erosion control devices shall be removed, repaired, or replaced as needed. Permanently vegetated areas described in the maintenance and vegetative plan. Contractor must receive permission by project inspector before any measures are removed.
16. When the project is complete, the permittee shall contact DEMLR to close out the E&SC Plan. After DEMLR informs the permittee of the project close out, via inspection report, the permittee shall visit dea.nc.gov/ NCGOI to submit an electronic Notice of Termination (e-NOT). A \$100 annual general permit fee will be charged until the e-NOT has been filled out.

MAINTENANCE

Follow the construction sequence throughout project development. Adequate erosion and sediment control measures must be installed, maintained and adjusted as needed during the demolition or clearing and grubbing phases as well as throughout the life of and until permanent vegetation on the project is established. When changes in construction activities are needed, amend the sequence schedule in advance to maintain management control.
Notification of Land Resources Sediment and Erosion Control Self-Inspection Program:
The Sedimentation Pollution Control Act was amended in 2006 to require that persons responsible for land-disturbing activities inspect a project after each phase of the project to make sure that the approved erosion and sedimentation control plan is being followed. Rules detailing the documentation of these inspections took effect October 1, 2010. The self-inspection program is separate from the weekly self-monitoring program of the NPDES Stormwater Permit for Construction Activities.
The focus of the self-inspection report is the installation/maintenance of erosion and sedimentation control measures according to the approved plan. The inspections must be conducted after each phase of the project, and continue until permanent ground cover is established in accordance with NCGS 113A-54J and 15A NCAC 4B.0131. The Self-Inspection Report form is available as a Word Document and PDF from http://portal.ncdenr.org/web/1/r/erosion. If you have questions or cannot access the form, please contact NCEQ Land Quality Section at (919) 791-4200.
The NCGOI permit became effective on April 1, 2019 and added the following notes to the construction sequence:
1. Erosion and Sediment Control (E&SC) permit and a certificate of coverage must be obtained before any land disturbing activities occur. The COC can be obtained by filling out the electronic Notice of Intent (e-NOI) form at dea.nc.gov/ NCGOI. Please note, the e-NOI form may only be filled out once the plans have been approved. A copy of the E&SC permit, the COC, and a hard copy of the plan must be kept on site, preferably in a permits box, and accessible during inspection.
2. When the project is complete, the permittees shall contact DEMLR to close out the E&SC Plan. After DEMLR informs the permittee of the project close out, via inspection report, the permittee shall visit dea.nc.gov/ NCGOI to submit an electronic Notice of Termination (e-NOT). A \$100 annual general permit fee will be charged until the e-NOT has been filled out.
3. The Inspection, Recordkeeping, and Reporting Plan sheet is on sheet EC-12 of this plan set. Please note that any construction activities that have an E&SC Plan approved on or after April 1, 2019 are required to fill out and submit an electronic Notice of Intent (e-NOI) form. All construction activities are required to follow the new NCGOI permit regardless of when they are approved.

RIP RAP (6.15)

CONSTRUCTION SPECIFICATIONS

Subgrade Preparation - Prepare the subgrade for riprap and filter to the required lines and grades shown on the plans. Compact any fill required in the subgrade to a density approximating that of the surrounding undisturbed material or overfill depressions with riprap. Remove brush, trees, stumps and other objectional material. Cut the subgrade sufficiently deep that the finished grade of the riprap will be at the elevation of the surrounding area. Channels should be excavated sufficiently to allow placement of the riprap in a manner such that the finished inside dimensions and grade of the riprap meet design specifications.
Sand and gravel filter blanket - Place the filter blanket immediately after the ground foundation is prepared. For gravel, spread filter stone in a uniform layer to the specified depth. Where more than one layer of filter material is used, spread the layers with minimal mixing.
Synthetic filter fabric - Place the cloth filter directly on the prepared foundation. Overlap the edges by at least 12 inches, and space anchor pins every 3 ft along the overlap. Bury the upstream end of the cloth a minimum of 12 inches below ground and where necessary, bury the lower end of the cloth or overlap with the next section as required. Take care not to damage the cloth when placing riprap. If damage occurs, remove the riprap and repair the sheet by adding another layer of filter material with a minimum overlap of 12 inches around the damaged area. If extensive damage is suspected, remove and replace the entire sheet.
Where large stones are used or machine placement is difficult, a 4-inch layer of fine gravel or sand may be needed to protect the filter cloth.
Stone Placement - Placement of riprap should follow immediately after placement of the filter. Place riprap so that it forms a dense, well-graded mass of stone with a minimum of voids. The desired distribution of stones throughout the mass may be obtained by selective loading at the quarry and controlled dumping during final placement. Place riprap to its full thickness in one operation. Do not place riprap by dumping through chutes or other methods that cause segregation of stone sizes. Take care not to dislodge the underlying base or filter when placing the stones.
The finished slope should be free of pockets of small stone or clusters of large stones. Hand placing may be necessary to achieve the proper distribution of stone sizes to produce a relatively smooth, uniform surface. The finished grade of the riprap should blend with the surrounding area. No overfall or protrusion of riprap should be apparent.

MAINTENANCE
Inspect channels at regular intervals as well as after major rains, and make repairs promptly. Give special attention to the outlet and inlet sections and other points where concentrated flow enters. Carefully check stability at road crossings and look for indications of piping, scour holes, or bank failures. Make repairs immediately. Maintain all vegetation adjacent to the channel in a healthy, vigorous condition to protect the area from erosion and scour during out-of-bank flow. Control of weed and brush growth may be needed in some locations.

LAND GRADING (6.02)

CONSTRUCTION SPECIFICATIONS

- 1. Construct and maintain all erosion and sedimentation control practices and measures in accordance with the approved sedimentation control plan and construction schedule.
2. Remove good topsoil from areas to be graded and filled, and preserve it for use in finishing the grading of all critical areas.
3. Scarify areas to be topsoiled to a minimum depth of 2 inches before placing topsoil.
4. Clear and grub areas to be filled to remove trees, vegetation, roots, or other objectionable material that would affect the planned stability of the fill.
5. Ensure that fill material is free of brush, rubbish, rocks, logs, stumps, building debris, and other materials inappropriate for constructing stable fills.
6. Place all fill in layers not to exceed 9 inches in thickness, and compact the layers as required to reduce erosion, slippage, settlement, or other related problems.
7. Do not incorporate frozen material or soft or highly compressible materials into fill slopes.
8. Do not place fill on a frozen foundation, due to possible subsidence and slippage.
9. Keep diversions and other water conveyance measures free of sediment during all phases of development.
10. Handle seeps or springs encountered during construction in accordance with approved methods.
11. Permanently stabilize all graded areas immediately after final grading is completed on each area in the grading plan. Apply temporary stabilization measures on all graded areas when work is to be interrupted or delayed for 15 working days or longer.
12. Show topsoil stockpiles, borrow areas, and spoil areas on the plans, and make sure they are adequately protected from erosion, include final stabilization of these areas in the plan.

GRASS-LINED CHANNELS (6.30)

CONSTRUCTION SPECIFICATIONS

- 1. Remove all trees, brush, stumps, and other objectionable material from the foundation area and dispose of properly.
2. Excavate the channel and shape it to neat lines and dimensions shown on the plans plus a 0.2-ft overcut around the channel perimeter to allow for bulking during seeded preparations and sod buildup.
3. Remove and properly dispose of all excess soil so that surface water may enter the channel freely.

MAINTENANCE PLAN

- 1. The Contractor shall check all erosion and sediment control practices 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 by the Contractor to maintain all practices as designed. Also per National Pollutant Discharge Elimination System (NPDES) general stormwater permit, a rain gauge must be installed on site. The rain gauge must be kept onsite and inspections by the Contractor must be made and logged after every one inch of rainfall and once a week.
2. The Contractor shall remove sediment from erosion control devices when storage capacity has been approximately 50% filled. Gravel will be cleaned or replaced when the sediment pools no longer drains properly.
3. The Contractor shall remove sediment from behind silt fence when it becomes 0.5 feet deep at the fence. Silt fence will be repaired as necessary to maintain a barrier.
4. The Contractor shall fertilize, reseed as necessary, and mulch all seeded areas according to specifications in the vegetative plan to maintain a vigorous, dense vegetative cover.
5. The Contractor shall provide ground cover on exposed slopes or other areas within 7 to 14 days or sooner of completion of any phase of grading. Refer to the latest NPDES Rules dated April 2019 for more information on ground stabilization requirements. Permanent ground cover is to be provided for all disturbed areas within 7 to 14 days or sooner following completion of construction or development.
6. Contact the Town of Chapel Hill Stormwater Management for questions. (919) 969-7246

VEGETATIVE PLAN (NCDENR 6.11)

Table with columns: Date, Type, Planting Rate, and Seeding Specifications. Includes rows for Shoulders, Side Ditches, Slopes (3:1), and various grass and seed mixtures like Tall Fescue, Abruzzi Ryegrass, and Sericea Lespedeza.

TOPSOILING (6.04)

CONSTRUCTION SPECIFICATIONS

MATERIALS
Determine whether the quality and quantity of available topsoil justifies selective handling. Quality topsoil has the following characteristics:
Texture - loam, sandy loam, and silt loam are best; sandy clay loam, silty clay loam, clay loam, and loamy sand are fair. Do not use heavy clay and organic soils such as peat or muck as topsoil.
Organic matter content - (sometimes referred to as "humic matter") should be greater than 1.5% by weight.
Acidity - pH should be greater than 3.6 before liming, and liming is required if it is less than 6.0.
Soluble salts - should be less than 500 ppm.
Sodium - sodium adsorption ratio should be less than 12.
The depth of material meeting the above qualifications should be at least 2 inches. Soil factors such as rock fragments, slope, depth to water table, and layer thickness affect the ease of excavation and spreading of topsoil.
Generally, the upper part of the soil, which is richest in organic matter, is most desirable; however, material excavated from deeper layers may be worth storing if it meets the other criteria listed above.
Organic soils such as mucks and peats do not make good topsoil. They can be identified by their extremely light weight when dry.

STRIPPING

Strip topsoil only from those areas that will be disturbed by excavation, filling, roadbuilding, or compaction by equipment. A 4 to 6-inch stripping depth is common, but depth varies depending on the site. Determine depth of stripping by taking soil cores at several locations within each area to be stripped. Topsoil depth generally varies along a gradient from hilltop to toe of the slope. Put sediment basins, diversions, and other controls into place before stripping.

STOCKPILING

Select stockpile location to avoid slopes and natural drainageways, avoiding traffic routes. On large sites, respreading is easier and more economical when topsoil is stockpiled in small piles located near areas where they will be used. All stockpile areas used shall be stabilized with silt fence and seeded.

Sediment barriers - Use sediment fences or other barriers where necessary to retain sediment.

Kimley Horn

421 FAYETTEVILLE STREET, SUITE 600 RALEIGH, NC 27601

RIGHT-OF-WAY REV. CONST. REV.

PROJECT REFERENCE NO. EB-5721 SHEET NO. EC-6. RW SHEET NO. ROADWAY DESIGN ENGINEER. Includes a circular professional seal for W. W. MOORE, ENGINEER, No. 024436, State of North Carolina, expiring 12/31/2026.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TOWN OF CHAPEL HILL CONSTRUCTION PLAN APPROVAL

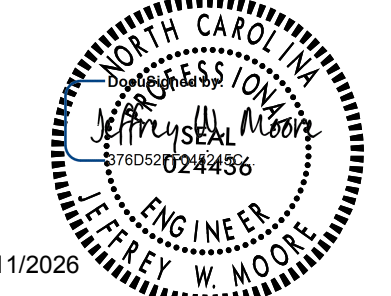
ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHJ). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: DATE:

GRASS-LINED CHANNELS (6.30)
CONSTRUCTION SPECIFICATIONS
1. The procedure used to establish grass in the channel will depend upon the severity of the conditions and selection of species. Protect the channel with mulch or a temporary liner sufficient to withstand anticipated velocities during the establishment period.
MAINTENANCE
During the establishment period, check grass-lined channels after every rainfall. After grass is established, periodically check the channel; check it after every heavy rainfall event. Immediately make repairs. It is particularly important to check the channel outlet and all road crossings for bank stability and evidence of piping or scour holes. Remove all significant sediment accumulations to maintain the designed carrying capacity. Keep the grass in a healthy, vigorous condition at all times, since it is the primary erosion protection for the channel.

5/14/99

PROJECT REFERENCE NO. EB-5721	SHEET NO. EC-7
RW SHEET NO. ROADWAY DESIGN ENGINEER	
	
5/11/2026	

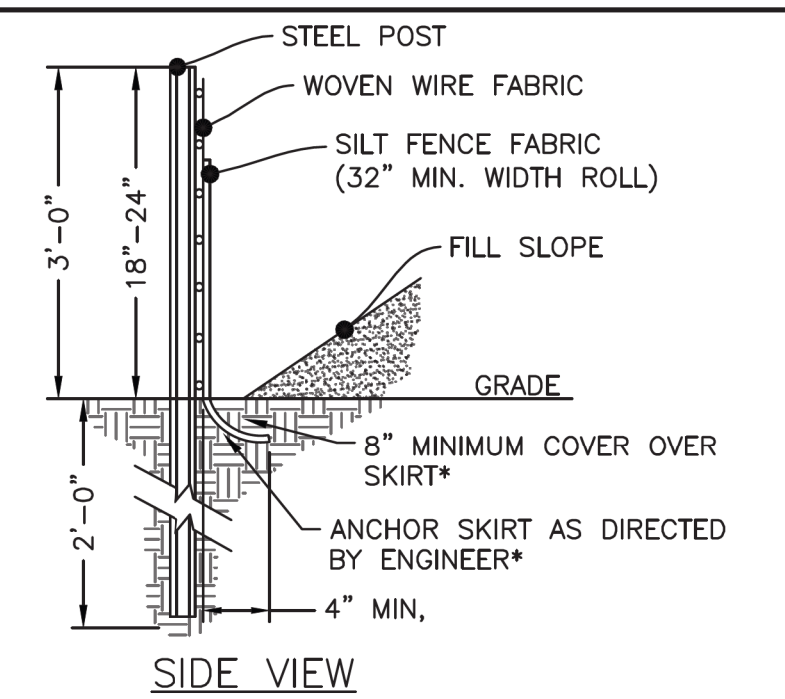
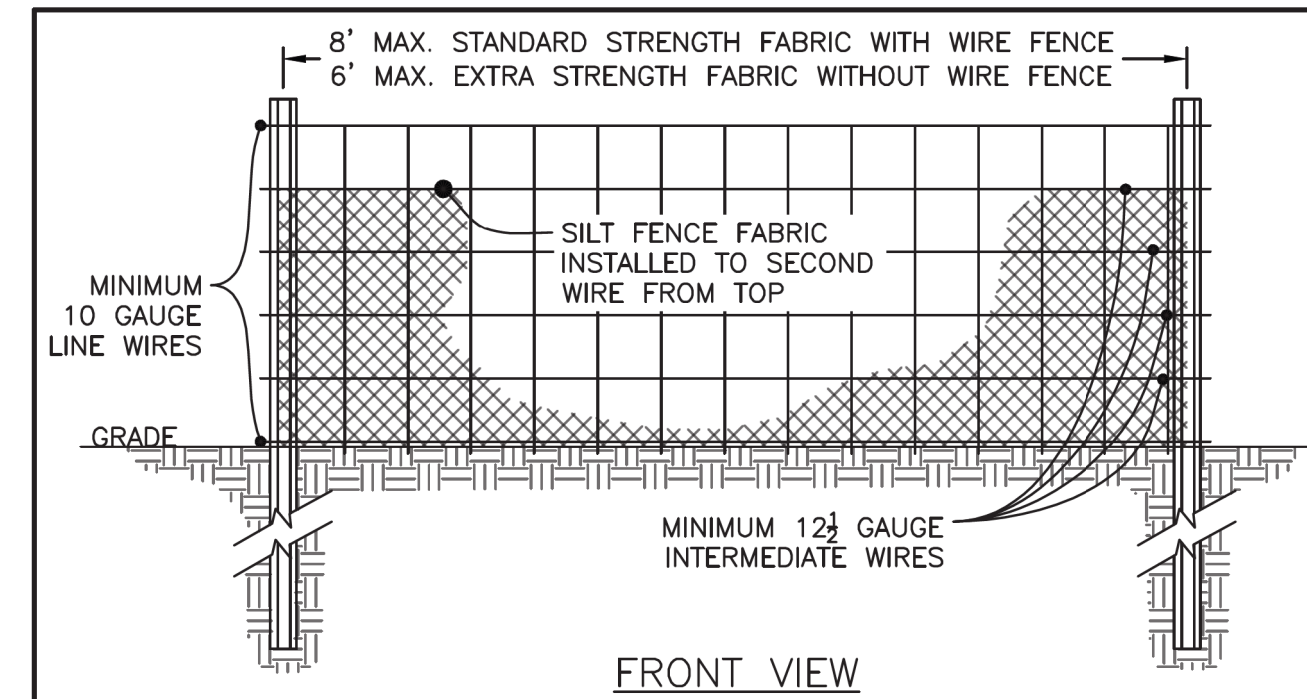
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (A.H.J.). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATERSANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____



- NOTES:**
- CONSTRUCT THE SEDIMENT BARRIER OF STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS.
 - CONSTRUCT THE FILTER FABRIC FROM A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, SECURELY FASTEN THE FILTER CLOTH ONLY AT A SUPPORT POST WITH 4 FEET MINIMUM OVERLAP TO THE NEXT POST.
 - SUPPORT STANDARD STRENGTH FILTER FABRIC BY WIRE MESH FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS. EXTEND THE WIRE MESH SUPPORT TO THE BOTTOM OF THE TRENCH. FASTEN THE WIRE REINFORCEMENT, THEN FABRIC ON THE UPSLOPE SIDE OF THE FENCE POST. WIRE OR PLASTIC ZIP TIES SHOULD HAVE A MINIMUM 50 POUND TENSILE STRENGTH.
 - WHEN A WIRE MESH SUPPORT FENCE IS USED, SPACE POSTS A MAXIMUM OF 8 FEET APART. SUPPORTS SHOULD BE DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 24 INCHES. WIRE MESH SHOULD BE A MINIMUM 14-GAUGE WITH 6 INCH MESH SPACING.
 - EXTRA STRENGTH FILTER FABRIC WITH 6 FOOT POST SPACING DOES NOT REQUIRE A WIRE MESH SUPPORT FENCE. SECURELY FASTEN THE FILTER FABRIC DIRECTLY TO POSTS. WIRE OR PLASTIC ZIP TIES SHOULD HAVE A MINIMUM OF 50 POUND TENSILE STRENGTH.
 - EXCAVATE THE TRENCH APPROXIMATELY 4 INCHES WIDE AND 8 INCHES DEEP ALONG THE PROPOSED LINE OF THE POSTS AND UPSLOPE FROM THE BARRIER.
 - PLACE 12 INCHES OF FABRIC ALONG THE BOTTOM AND SIDE OF THE TRENCH.
 - BACKFILL THE TRENCH WITH SOIL PLACED OVER THE FILTER FABRIC AND COMPACT. THOROUGH COMPACTION OF THE BACKFILL IS CRITICAL TO SILT FENCE PERFORMANCE.
 - DO NOT ATTACH FILTER FABRIC TO EXISTING TREES.
 - DO NOT PLACE ACROSS DITCHES, STREAMS, OR ANY OTHER AREAS OF CONCENTRATED FLOW.
 - USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW.
 - FOR REPAIR OF SILT FENCE FAILURES USE DETAIL EC-10.00
- "NOT TO SCALE"

- MAINTENANCE:**
- INSPECT ALL MEASURES AT LEAST WEEKLY AND AFTER EACH RAINFALL OF 1.0 INCH OR GREATER. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
 - SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
 - REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUTS.
 - REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

MAX. SLOPE LENGTH AND SLOPE FOR WHICH STANDARD SILT FENCE IS APPLICABLE

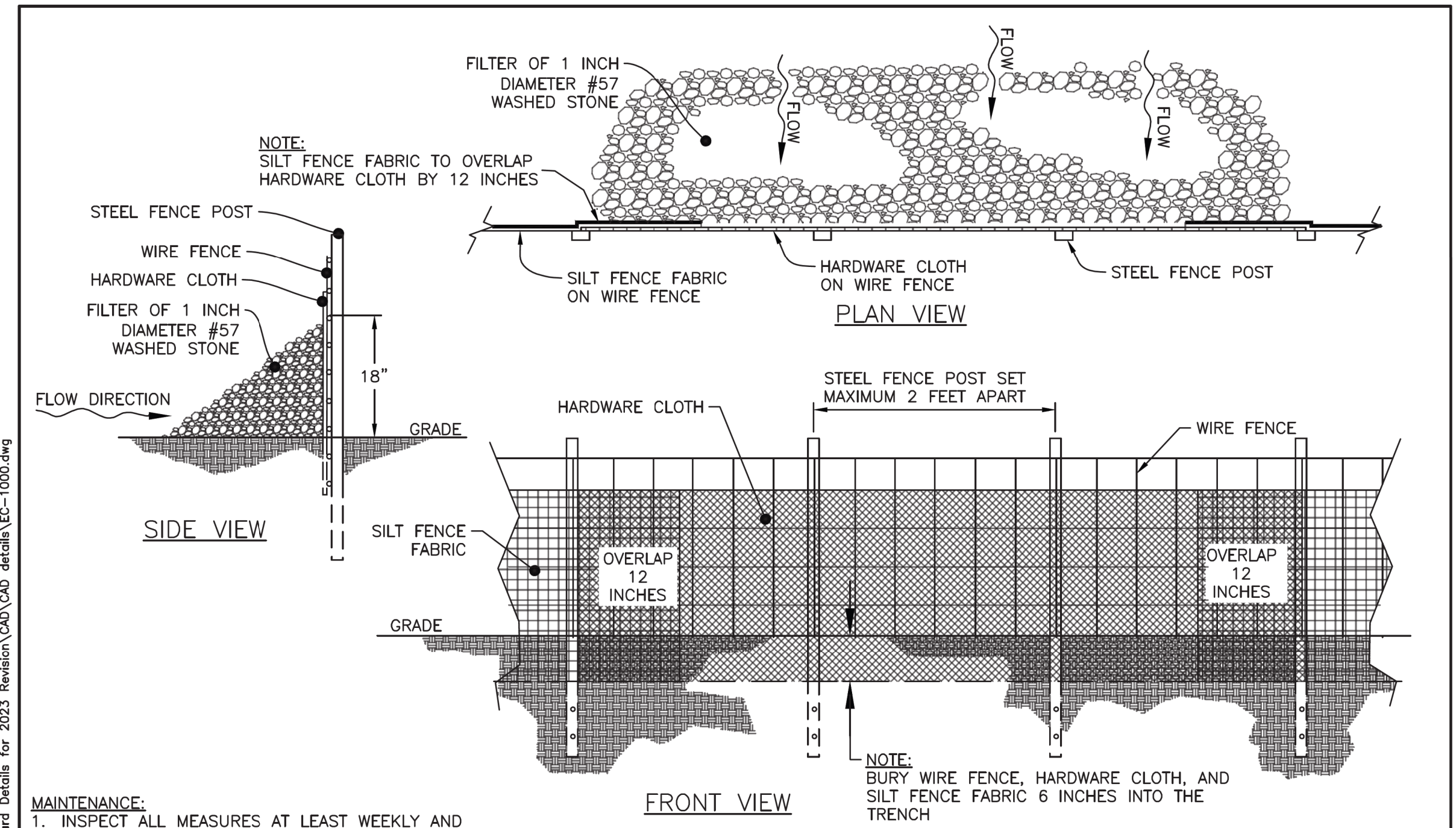
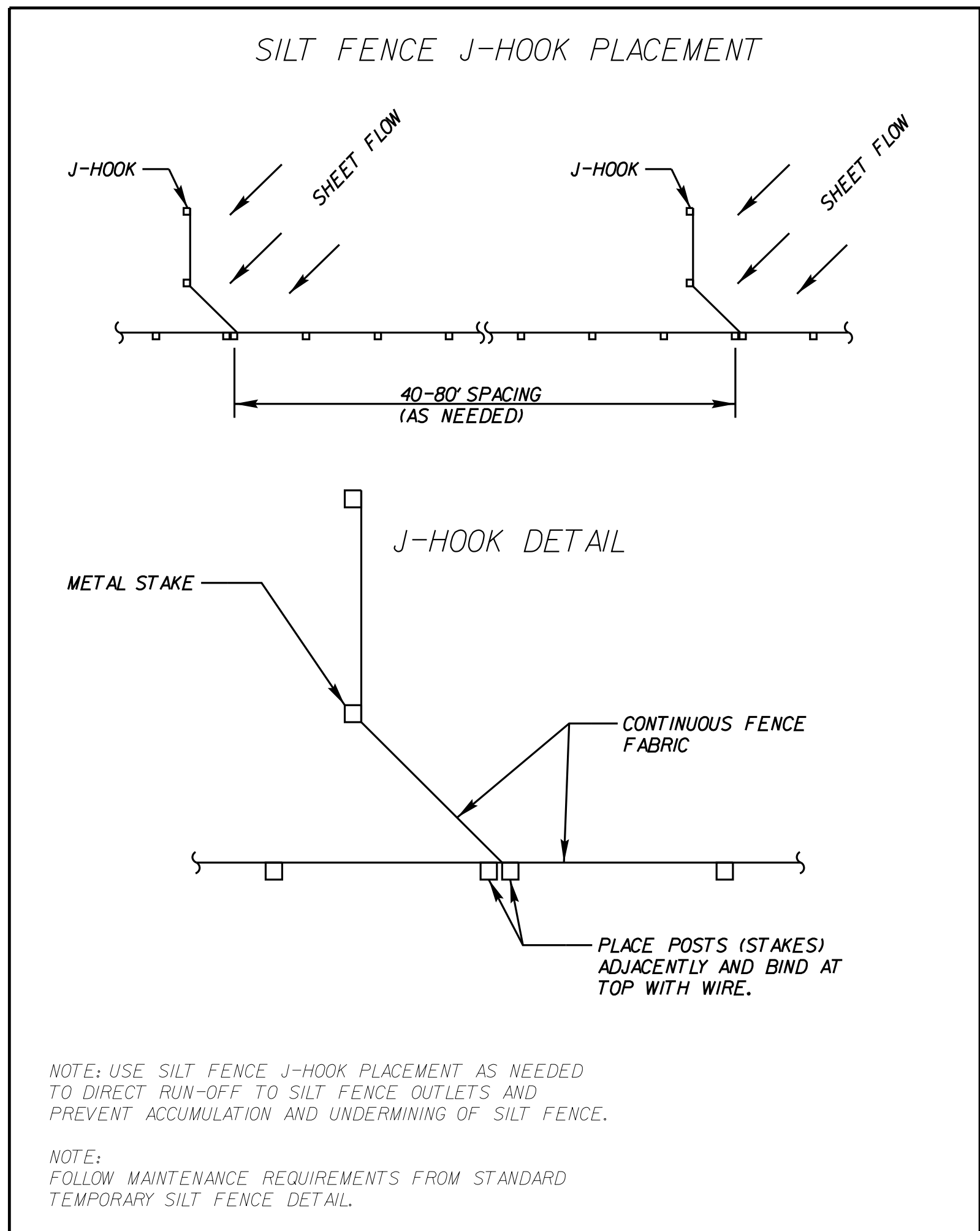
SLOPE	SLOPE LENGTH (FT)	MAX. AREA (FT ²)
<2%	100	10,000
2 to 5%	75	7,500
5 to 10%	50	5,000
10 to 20%	25	2,500
>20%	15	1,500

TOWN OF CHAPEL HILL
STANDARD DETAIL

STANDARD SILT FENCE

DATE: 02/2017

EC-9.00



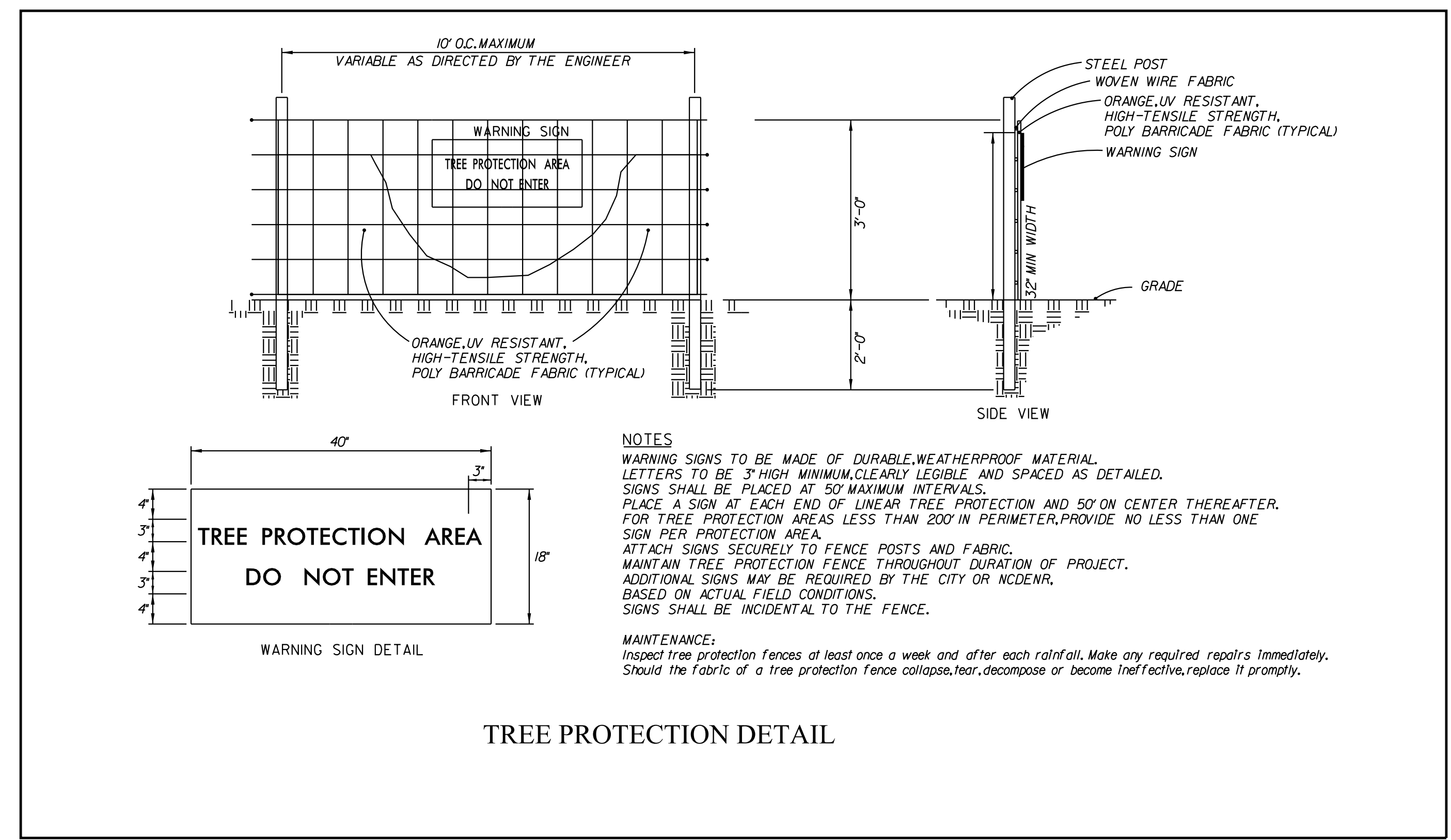
- MAINTENANCE:**
- INSPECT ALL MEASURES AT LEAST WEEKLY AND AFTER EACH RAINFALL OF 1.0 INCH OR GREATER.
 - REMOVE ACCUMULATED SEDIMENT AND ANY DEBRIS AS NEEDED TO ALLOW FOR ADEQUATE FLOW.
 - INSTALL ADDITIONAL WASHED STONE, OR OTHERWISE RE-FORM SILT FENCE OUTLET, IF HEIGHT OF STONE FALLS BELOW 18-IN.
 - PERIMETER CONTROLS SHALL BE INSPECTED UNTIL LAND DISTURBANCE IS COMPLETE AND THE AREA ABOVE THE MEASURE HAS BEEN PERMANENTLY STABILIZED.
- NOTE: USE SILT FENCE OUTLETS ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND THERE IS LOW AREA. USE AS A REPAIR OF SILT FENCE FAILURES

TOWN OF CHAPEL HILL
STANDARD DETAIL

STANDARD SILT FENCE OUTLET

DATE: 02/2017

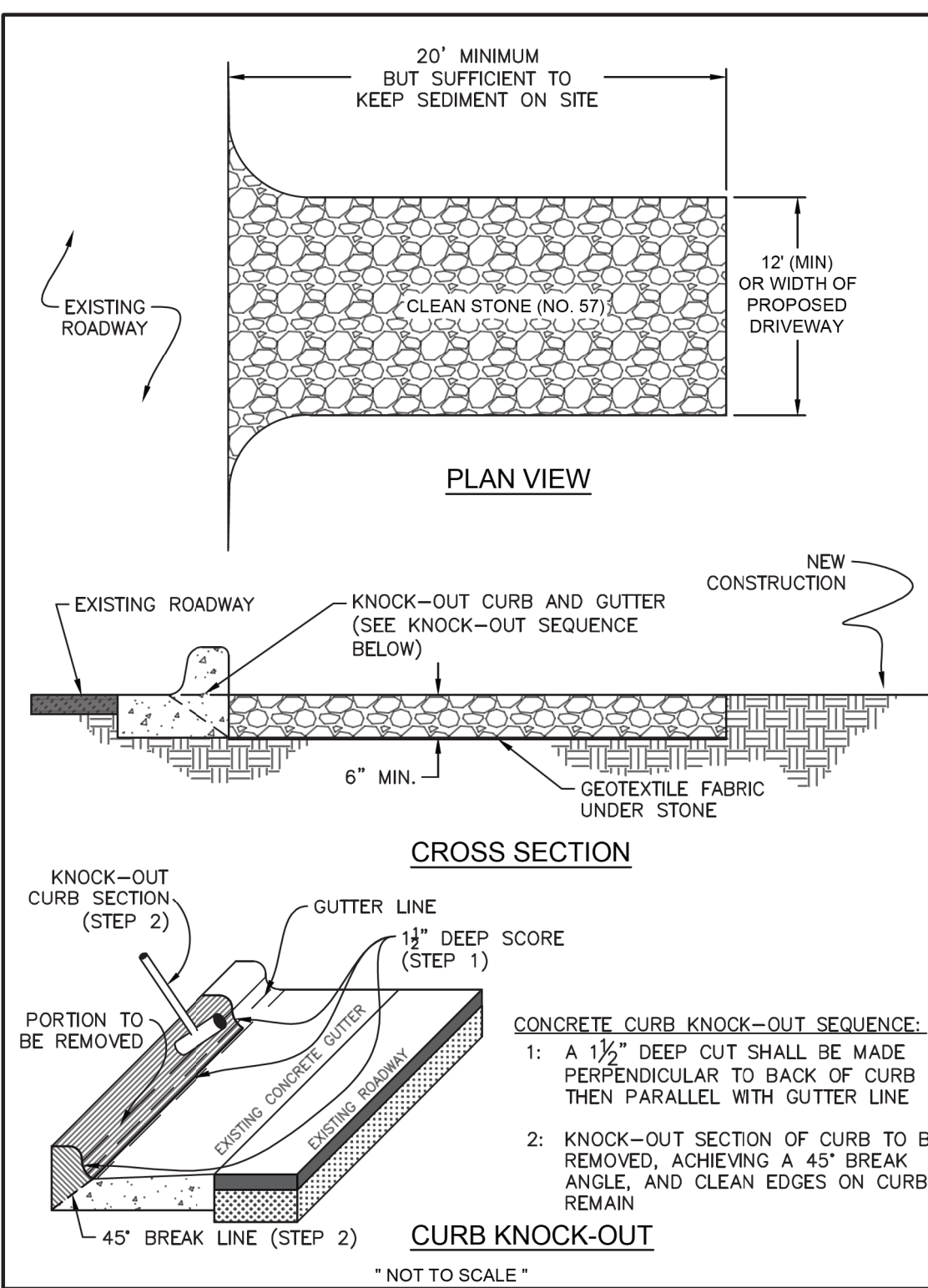
EC-10.00



TREE PROTECTION DETAIL

5/14/2024

\\chfs\Engineering\Design Manual\Standard Details for 2023\Revision\CAD\Detail\EC-1.02.dwg



- CONSTRUCTION NOTES:**
1. CLEAR THE ENTRANCE AND EXIT AREA OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL AND PROPERLY GRADE IT.
 2. PLACE THE GRAVEL TO THE SPECIFIC GRADE AND DIMENSIONS SHOWN ON THE PLANS, AND SMOOTH IT.
 3. PROVIDE DRAINAGE TO CARRY WATER TO A SEDIMENT TRAP OR OTHER SUITABLE OUTLET.
 4. USE GEOTEXTILE FABRICS IN ORDER TO IMPROVE STABILITY OF THE FOUNDATION IN LOCATIONS SUBJECT TO SEEPAGE OR HIGH WATER TABLE.
 5. IF CONSTRUCTION ON THE SITE IS OF SUCH NATURE THAT SUFFICIENT MUD IS NOT REMOVED FROM THE VEHICLE TRAVELING OVER THE STONE, THEN THE TIRES OF VEHICLES LEAVING THE SITE MUST BE WASHED BEFORE ENTERING THE PUBLIC ROAD.

- MAINTENANCE NOTES:**
1. INSPECT ALL MEASURES AT LEAST WEEKLY AND AFTER EACH RAINFALL OF 1.0 INCH OR GREATER. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
 2. MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH CLEAN STONE.
 3. SEDIMENT ON ROADWAYS IS TO BE REMOVED IMMEDIATELY BY BROOM AND SHOVEL, EITHER BY MANUAL OR MECHANICAL MEANS, AND NOT TO BE WASHED OFF WHERE IT HAS THE POTENTIAL TO ENTER A STREAM, DRAINAGE WAY OR STORM DRAIN SYSTEM.

NOTE: THIS ENTRANCE APPLIES ONLY TO ENTRANCES OF INDIVIDUAL SINGLE FAMILY RESIDENTIAL UNITS. ALL OTHER PROJECTS SHALL UTILIZE A COMMERCIAL CONSTRUCTION ENTRANCE (CHAPEL HILL DETAIL EC-1.01)

TOWN OF CHAPEL HILL
STANDARD DETAIL

REVISIONS
05/2024

**RESIDENTIAL
CONSTRUCTION
ENTRANCE**

EC-1.02

DATE: 02/2017

WETLAND SEED MIX ¹		
SPECIES NAME	COMMON NAME	MIX PERCENTAGE ²
<i>Panicum rigidulum</i>	Redtop Panic Grass	60
<i>Carex lupulina</i>	Hop Sedge	10
<i>Juncus effusus</i>	Soft Rush	10
<i>Carex lurida</i>	Lurid (shallow) Sedge	7
<i>Scirpus cyperinus</i>	Wool Grass	5
<i>Saururus cernuus</i>	Lizard's Tail	4
<i>Carex squarrosa</i>	Squarrose Sedge	4

1. SIMILAR SEED MIX CAN BE USED WITH ENGINEER'S APPROVAL.
2. APPLICATION RATE OF 20 LBS/AC

RIPARIAN BUFFER SEEDING PLAN ¹		
A RIPARIAN SEED MIX AT THE RATE OF ¼ LB PER 1,000 SQ FT OR 10 LBS PER ACRE SHALL BE USED FOR SEEDING. THE FOLLOWING TABLE LISTS HERBACEOUS, PERMANENT SEED MIXTURE LABELED "RIPARIAN SEED MIX"		
SCIENTIFIC NAME	COMMON NAME	PER CENT COMPOSITION
<i>Agrostis alba</i>	Red Top	10
<i>Elymus virginicus</i>	Virginia Wild Rye	15
<i>Panicum virgatum</i>	Switchgrass	15
<i>Tripsicum dactyloides</i>	Gamma Grass	5
<i>Polygonum pennsylvanicum</i>	Pennsylvania Smartweed	5
<i>Schizachyrium scaparium</i>	Little Bluestem	5
<i>Juncus effusus</i>	Soft Rush	5
<i>Bidens aristosa</i>	Tickseed	10
<i>Coreopsis lanceolata</i>	Lance-leaved coreopsis	10
<i>Panicum clandestinum</i>	Deer Tongue	10
<i>Andropogon gerardii</i>	Big Bluestem	5
<i>Sorghastrum nutans</i>	Indiangrass	5

1: A SIMILAR MIXTURE CAN BE USED WITH APPROVAL BY ENGINEER.

Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.
EB-5721

SHEET NO.
EC-8

R/W SHEET NO.
ROADWAY DESIGN
ENGINEER

5/11/2026

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND MOST STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AWJ). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____

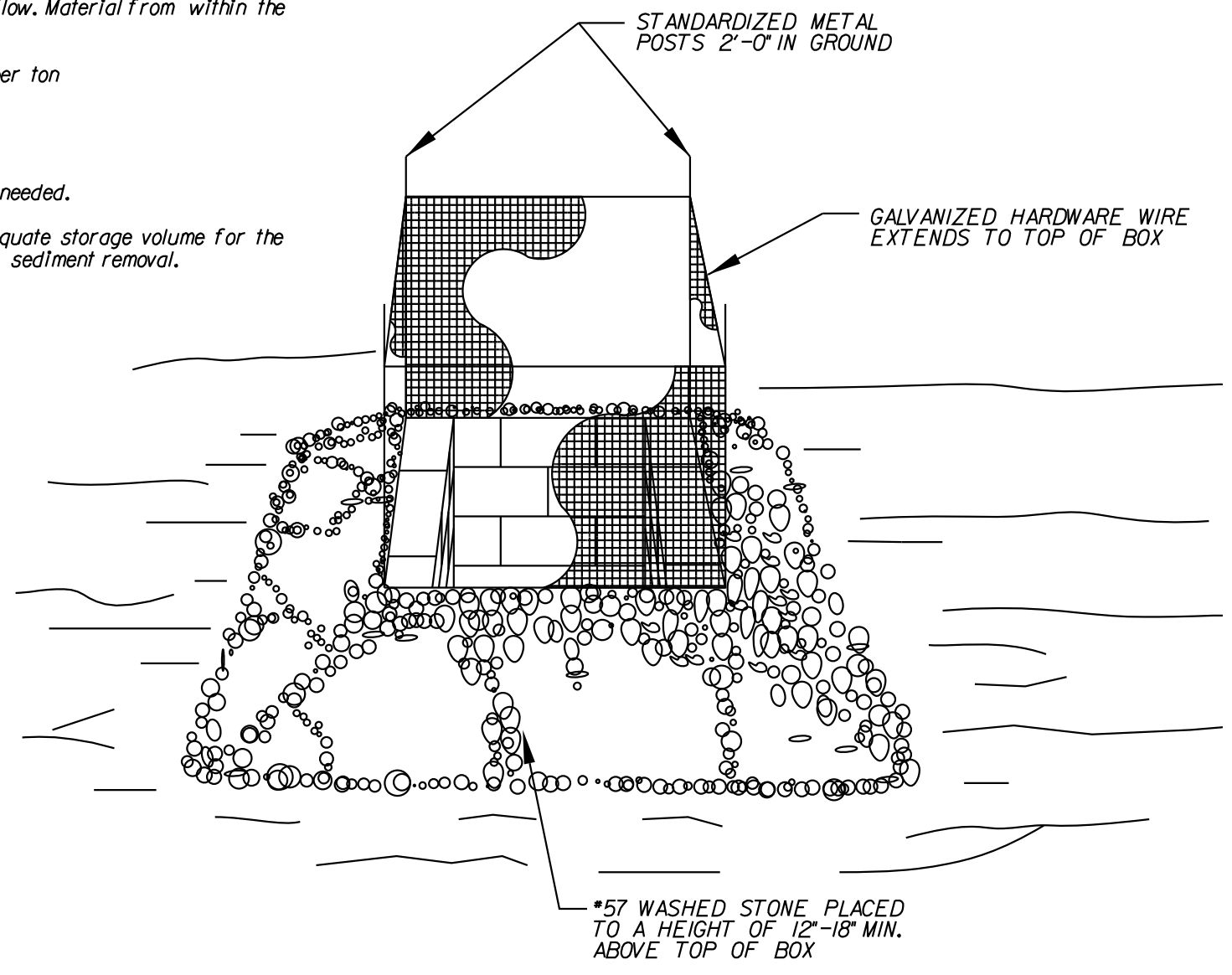
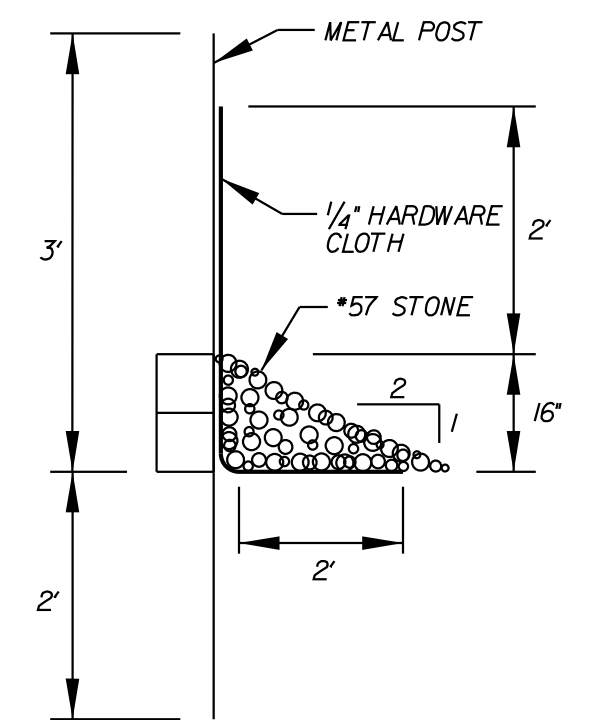
HARDWARE CLOTH AND GRAVEL INLET PROTECTION DETAIL (6.51)

- CONSTRUCTION SPECIFICATIONS**
1. As synthetic fabric, use a prewashed sheet of nylon, polyester, or ethylene yarn - extra strength (50 lb/1 inch minimum) - that contains ultraviolet ray inhibitors and stabilizers. Fabric should be sufficiently porous to provide adequate drainage of the temporary sediment pool. Burlap may be used for short-term applications. It must be replaced every 60 days.
 2. Cut fabric from a continuous roll to eliminate joints.
 3. For stakes, use 5-foot steel posts.
 4. Space stakes evenly around the perimeter of the inlet a maximum of 4 ft apart, and securely drive them into the ground, approximately 24 inches deep.
 5. Place a 2 foot flap of wire mesh under the gravel for anchoring.
 6. Fasten fabric securely to the stakes and frame. Joints must be overlapped to the next stake.
 7. The top of the frame and fabric must be well below the ground elevation downslope from the drop inlet to keep runoff from bypassing the inlet. It may be necessary to build a temporary dike on the down slope side of the structure to prevent bypass flow. Material from within the sediment pool may be used for diking.
 8. *57 washed stone shall be paid for at the contract unit price per ton "Sediment Control Stone."

MAINTENANCE

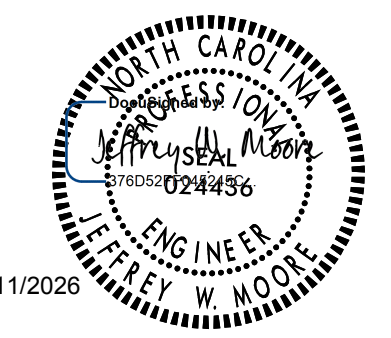
Inspect the fabric barrier after each rain and make repairs as needed.

Remove sediment from the pool area as necessary to provide adequate storage volume for the next rain. Take care not to damage or undercut the fabric during sediment removal.



5/14/99

Kimley » Horn
 421 FAYETTEVILLE STREET, SUITE 600
 RALEIGH, NC 27601

PROJECT REFERENCE NO. EB-5721	SHEET NO. EC-9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
	
5/11/2026	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

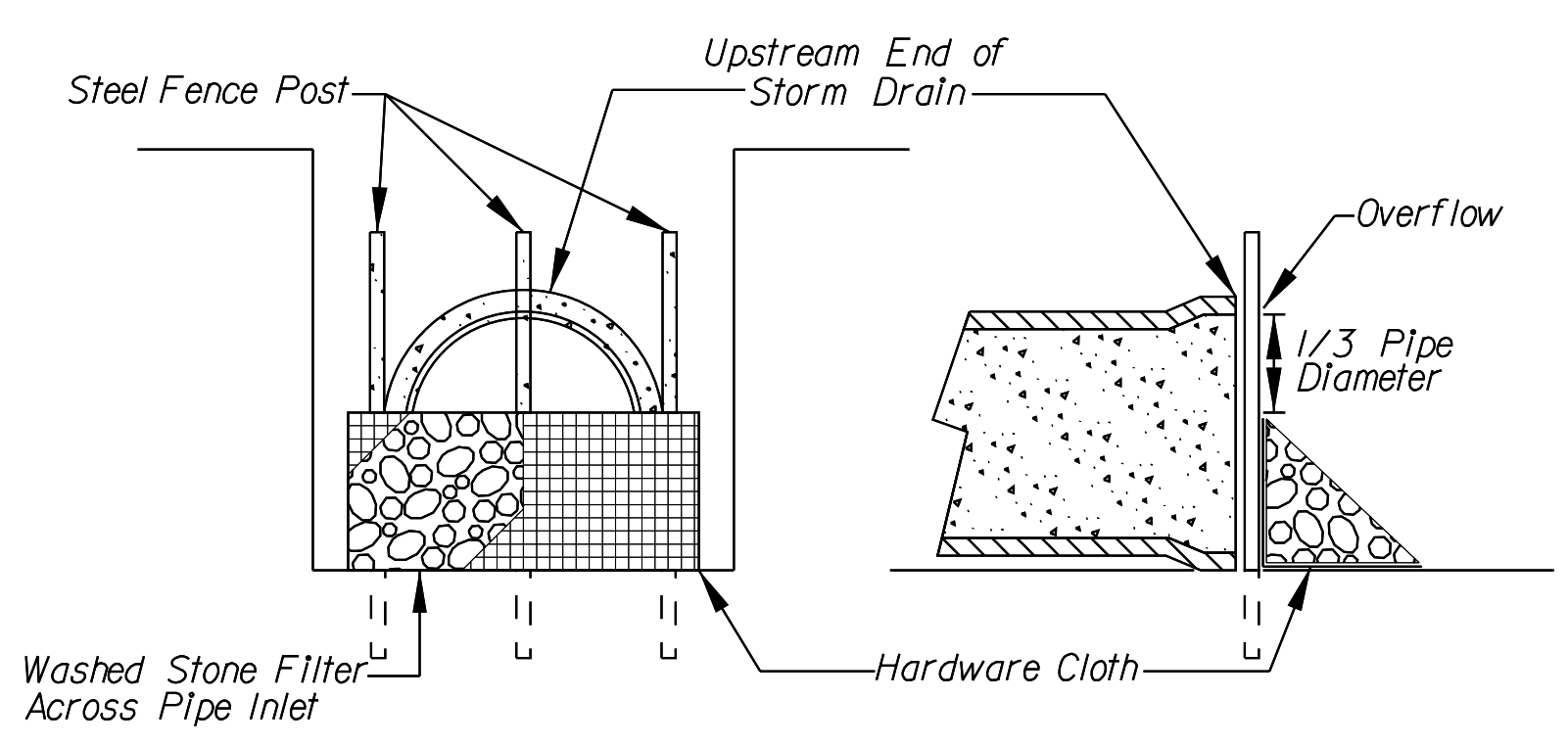
TOWN OF CHAPEL HILL
 CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND MOST STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AWJ). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

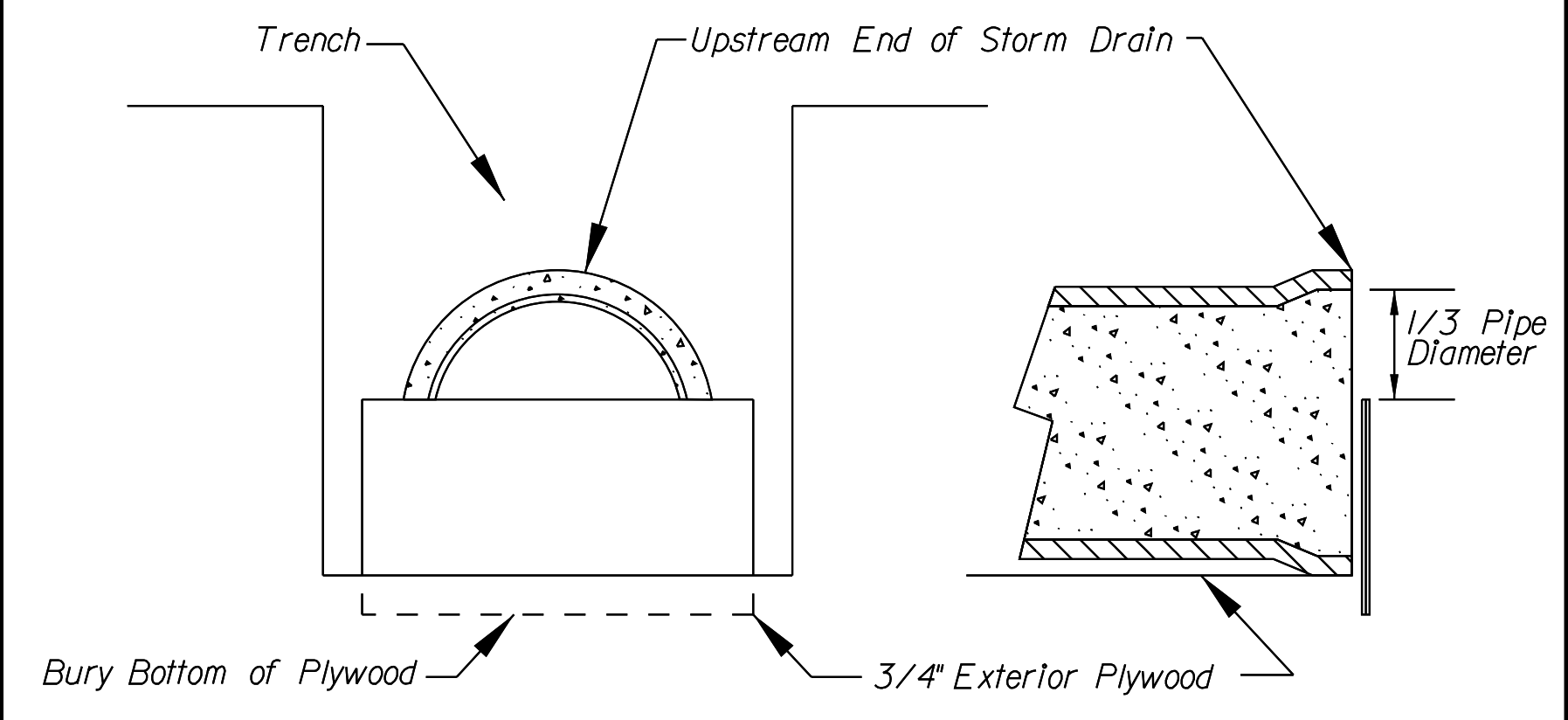
ENGINEERING SIGNATURE: _____
 DATE: _____

STONE FILTER INLET PROTECTION FOR STORM DRAIN UNDER CONSTRUCTION



STONE FILTER INLET PROTECTION WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNIT PRICE PER LINEAR FOOT OF PIPE CULVERT INSTALLATION.

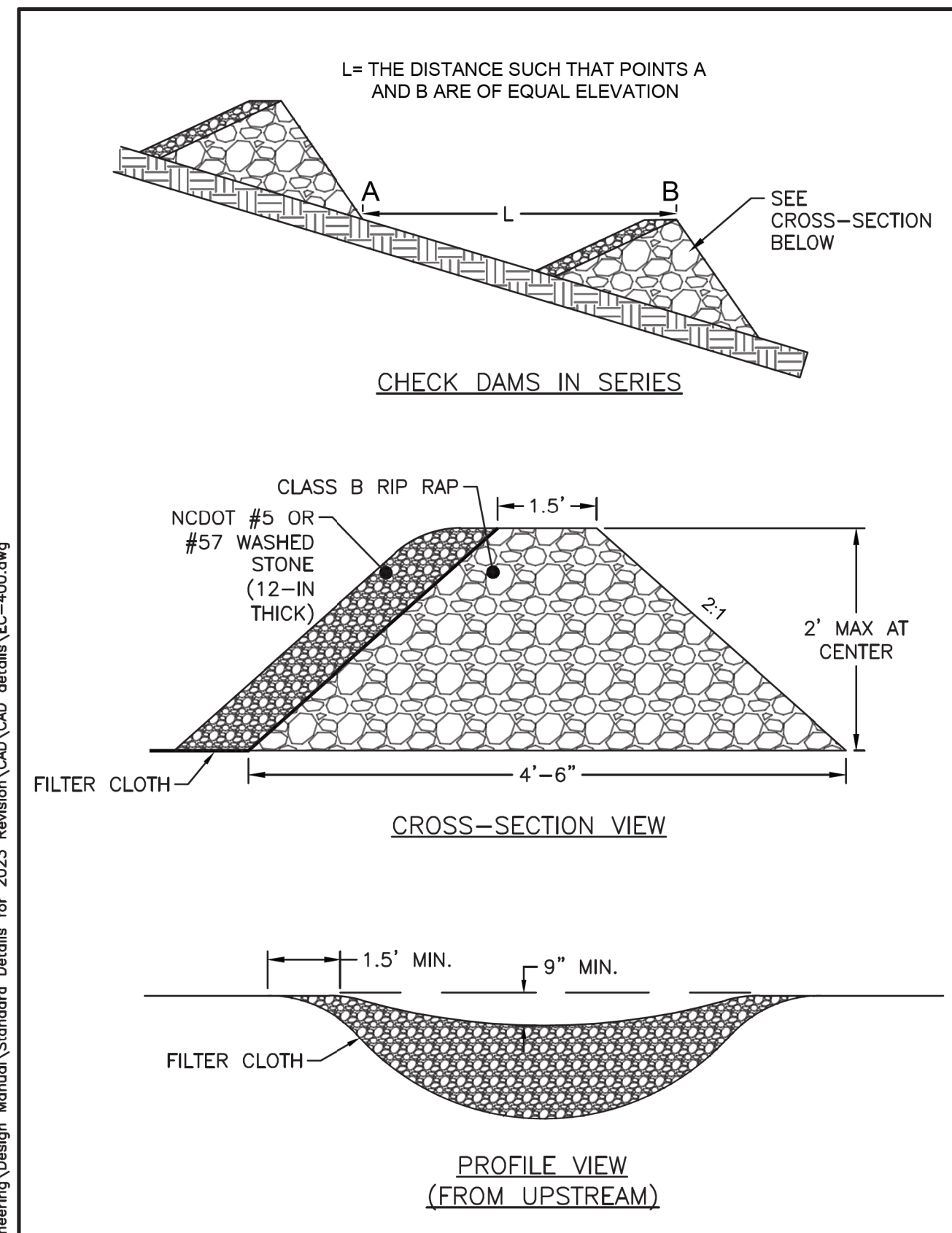
PLYWOOD INLET PROTECTION FOR STORM DRAIN UNDER CONSTRUCTION



PLYWOOD INLET PROTECTION WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNIT PRICE PER LINEAR FOOT OF PIPE CULVERT INSTALLATION.


MAINTENANCE:

INSPECT STANDARD PIPE INLET PROTECTION AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE PLYWOOD COLLAPSE, BREAK, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE FUNCTION FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE INLET PROTECTION MEASURE. TAKE CARE TO AVOID UNDERMINING THE INLET PROTECTION MEASURE DURING CLEANOUT. REMOVE ALL INLET PROTECTION MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



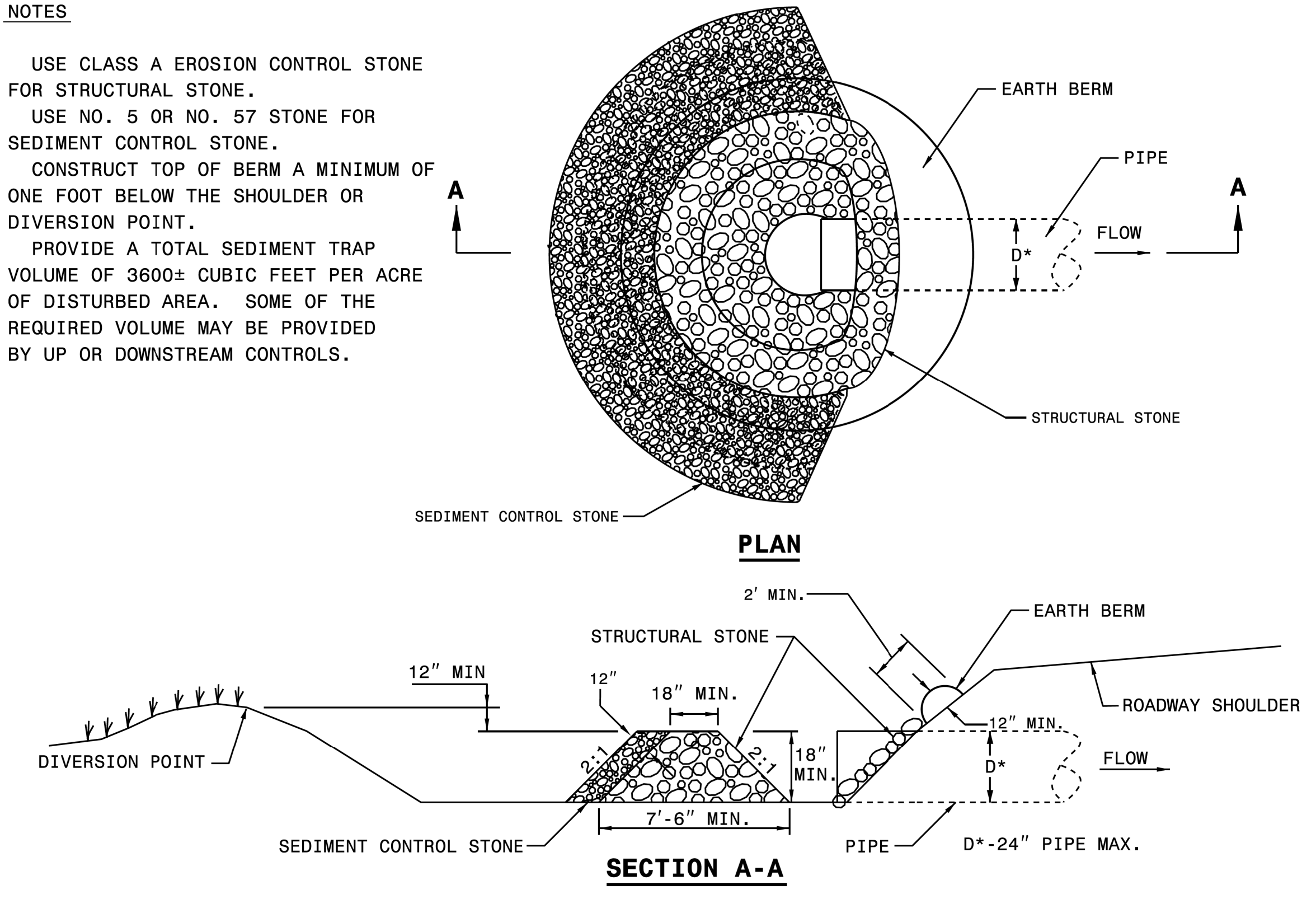
- NOTES:**
- PLACE STONE ON A FILTER FABRIC FOUNDATION.
 - THE CENTER STONE SECTION MUST BE AT LEAST 9 INCHES BELOW NATURAL GROUND LEVEL WHERE THE DAM ABUTS THE CHANNEL BANKS.
 - EXTEND STONE AT LEAST 1.5 FEET BEYOND THE DITCH BANK TO KEEP WATER FROM CUTTING AROUND THE ENDS OF THE CHECK DAM.
 - SET SPACING BETWEEN DAMS TO ASSURE THAT THE ELEVATION AT THE TOP OF THE LOWER DAM IS THE SAME AS THE TOE ELEVATION OF THE UPPER DAM.
 - PROTECT THE CHANNEL AFTER THE LOWEST CHECK DAM FROM HEAVY FLOW THAT COULD CAUSE EROSION.
 - MAKE SURE THE CHANNEL REACH ABOVE THE MOST UPSTREAM DAM IS STABLE.
 - ENSURE THAT OTHER AREAS OF THE CHANNEL, SUCH AS CULVERT ENTRANCES BELOW THE CHECK DAMS, ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.
 - RIPRAP AND FILTER FABRIC SHOULD BE KEYED IN TO PREVENT UNDER CUTTING.
 - ENDS OF CHECK DAMS MAY NEED TO BE TURNED UPHILL TO PREVENT BYPASS AND BETTER CONFORM TO SITE CONDITIONS.
 - DO NOT PLACE CHECK DAMS IN INTERMITTENT OR PERENNIAL STREAMS.

- MAINTENANCE:**
- INSPECT CHECK DAMS AND CHANNELS AT LEAST WEEKLY AND AFTER EACH RAINFALL OF 1.0 INCH OR GREATER. CLEAN OUT SEDIMENT, STRAW, LIMBS OR OTHER DEBRIS THAT COULD CLOG THE CHANNEL WHEN NEEDED.
 - ANTICIPATE SUBMERGENCE AND DEPOSITION ABOVE THE CHECK DAM AND EROSION FROM HIGH FLOWS AROUND THE EDGES OF THE DAM. CORRECT ALL DAMAGE IMMEDIATELY. IF SIGNIFICANT EROSION OCCURS BETWEEN DAMS, ADDITIONAL MEASURES CAN BE TAKEN SUCH AS, INSTALLING A PROTECTIVE RIPRAP LINER IN THAT PORTION OF THE CHANNEL.
 - REMOVE SEDIMENT ACCUMULATED BEHIND THE DAMS AS NEEDED TO PREVENT DAMAGE TO CHANNEL VEGETATION, ALLOW THE CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM, AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM. ADD STONES TO THE DAMS AS NEEDED TO MAINTAIN DESIGN HEIGHT AND CROSS SECTION.

	TOWN OF CHAPEL HILL STANDARD DETAIL
	REVISIONS 05/2024
DATE: 02/2017	CHECK DAM
	EC-4.00

NOTES

- USE CLASS A EROSION CONTROL STONE FOR STRUCTURAL STONE.
- USE NO. 5 OR NO. 57 STONE FOR SEDIMENT CONTROL STONE.
- CONSTRUCT TOP OF BERM A MINIMUM OF ONE FOOT BELOW THE SHOULDER OR DIVERSION POINT.
- PROVIDE A TOTAL SEDIMENT TRAP VOLUME OF 3600± CUBIC FEET PER ACRE OF DISTURBED AREA. SOME OF THE REQUIRED VOLUME MAY BE PROVIDED BY UP OR DOWNSTREAM CONTROLS.



ROCK PIPE INLET SEDIMENT TRAP TYPE 'B':

Inspect rock pipe inlet protection at least weekly and after each significant (1/2 inch or greater) rainfall event and repair immediately. Remove sediment and restore the sediment storage area to its original dimensions when the sediment has accumulated to one-half the design depth of the trap. Place the sediment that is removed in the designated disposal area and replace the contaminated part of the gravel facing.

Check the structure for damage. Any riprap displaced from the stone horseshoe must be replaced immediately.


After all the sediment-producing areas have been permanently stabilized, remove the structure and all the unstable sediment. Smooth the area to blend with the adjoining areas and provide permanent ground cover (Surface Stabilization).

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N. C.
 ROADWAY STANDARD DRAWING FOR
ROCK PIPE INLET SEDIMENT TRAP TYPE B
 SHEET 1 OF 1
1635.02

5/14/99

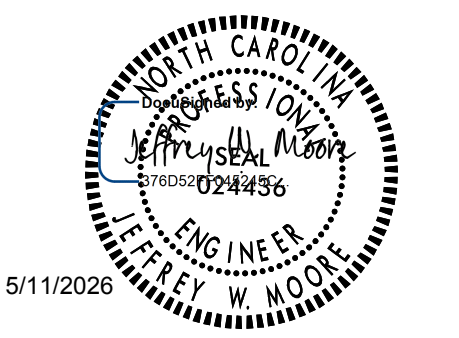
SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL



421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

PROJECT REFERENCE NO. <i>EB-5721</i>	SHEET NO. <i>EC-10</i>
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

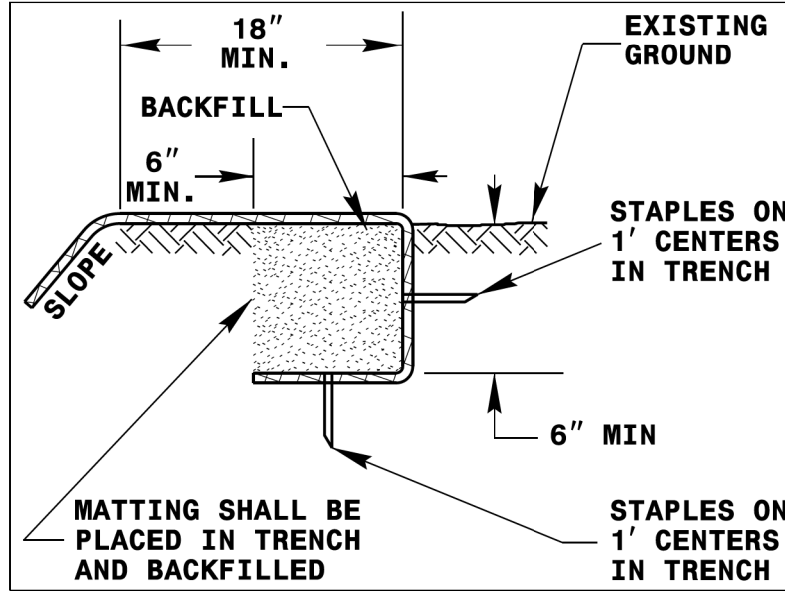
TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND MOST STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AWJ). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATERSANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
<i>SLOPES</i>					
<i>EC-1</i>	<i>-L-</i>	<i>13+50</i>	<i>15+00</i>	<i>R</i>	<i>100</i>
<i>EC-1</i>	<i>-L-</i>	<i>13+50</i>	<i>16+50</i>	<i>L</i>	<i>60</i>
<i>EC-2</i>	<i>-L-</i>	<i>19+50</i>	<i>20+00</i>	<i>L</i>	<i>50</i>
<i>EC-3</i>	<i>-L-</i>	<i>26+50</i>	<i>27+00</i>	<i>R</i>	<i>200</i>
<i>EC-3</i>	<i>-L-</i>	<i>27+00</i>	<i>27+50</i>	<i>L</i>	<i>30</i>
<i>EC-3</i>	<i>-L-</i>	<i>29+00</i>	<i>30+00</i>	<i>R</i>	<i>80</i>
<i>EC-3/4</i>	<i>-L-</i>	<i>29+00</i>	<i>38+50</i>	<i>L</i>	<i>1760</i>
<i>SUBTOTAL</i>					<i>2280</i>



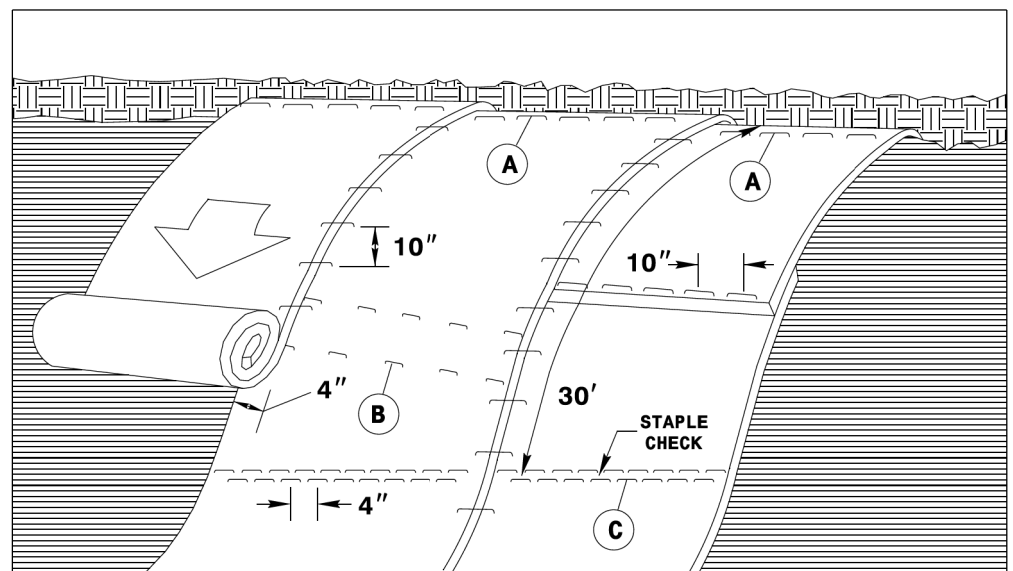
18" MIN. BACKFILL
6" MIN. MATTING SHALL BE PLACED IN TRENCH AND BACKFILLED
STAPLES ON 1' CENTERS IN TRENCH
6" MIN. STAPLES ON 1' CENTERS IN TRENCH

DIAGRAM A

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

ROADWAY STANDARD DRAWING FOR
MATTING INSTALLATION

SHEET 1 OF 1
1631.01



MATTING ON SLOPES

THIS DETAIL APPLIES TO STRAW, EXCELSIOR, COIR FIBER MAT AND PERMANENT SOIL REINFORCEMENT MAT (PSRM) INSTALLATION AND AS DIRECTED.
STAPLES SHALL BE NO. 11 GAUGE STEEL WIRE FORMED INTO A "U" SHAPE WITH A MINIMUM THROAT WIDTH OF 1 INCH AND NOT LESS THAN 6 INCHES IN LENGTH.
TRENCH ALL UPSLOPE EDGES OF MATTING THAT ARE NOT OVERLAPPED BY ANOTHER SECTION OF MATTING.

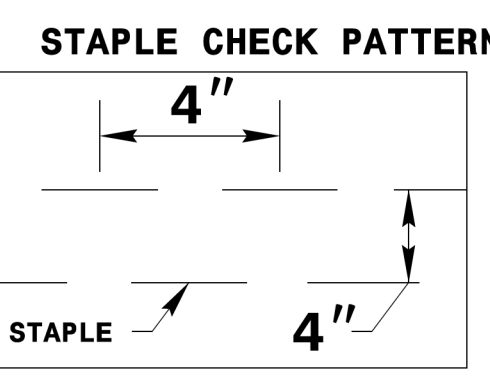
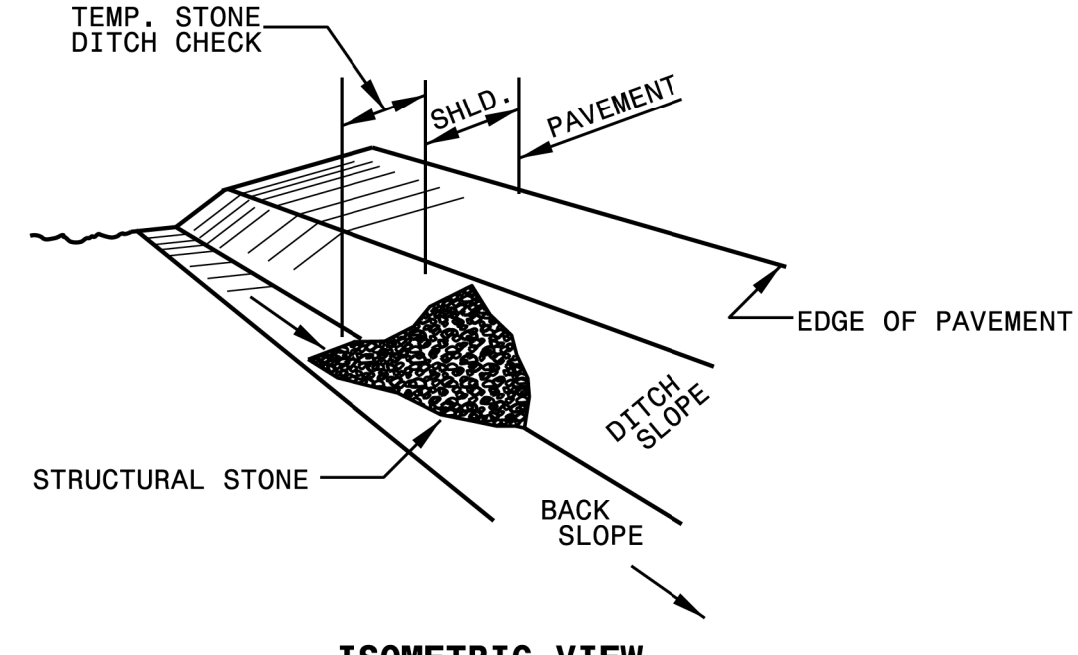


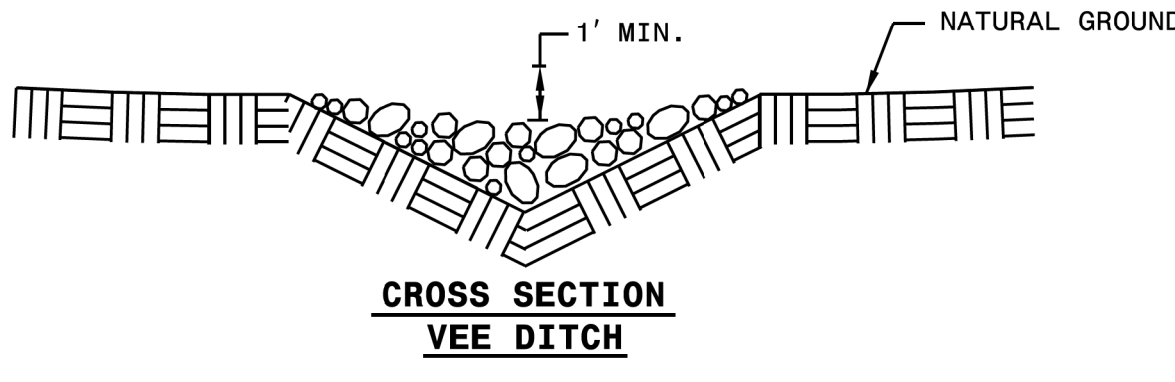
DIAGRAM C

MATTING INSTALLATION MAINTENANCE:

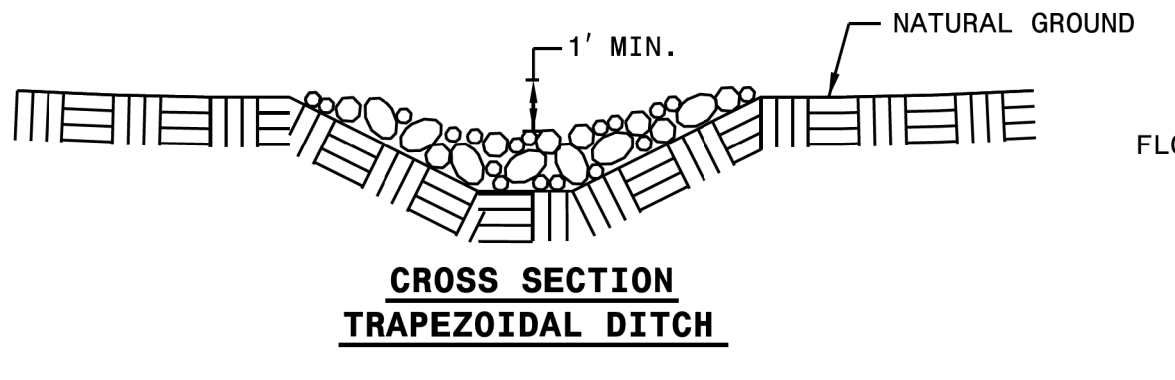
- Inspect rolled erosion control products (recp) at least weekly and after each significant (1/2 inch or greater) rain fall event repair immediately.
- Good contact with the ground must be maintained, and erosion must not occur beneath the RECP.
- Any areas of the recp that are damaged or not in close contact with the ground shall be repaired and stapled.
- If erosion occurs due to poorly controlled drainage, the problem shall be fixed and the eroded area protected.
- Monitor and repair the recp as necessary until ground cover is established.



ISOMETRIC VIEW



CROSS SECTION VEE DITCH



CROSS SECTION TRAPEZOIDAL DITCH

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

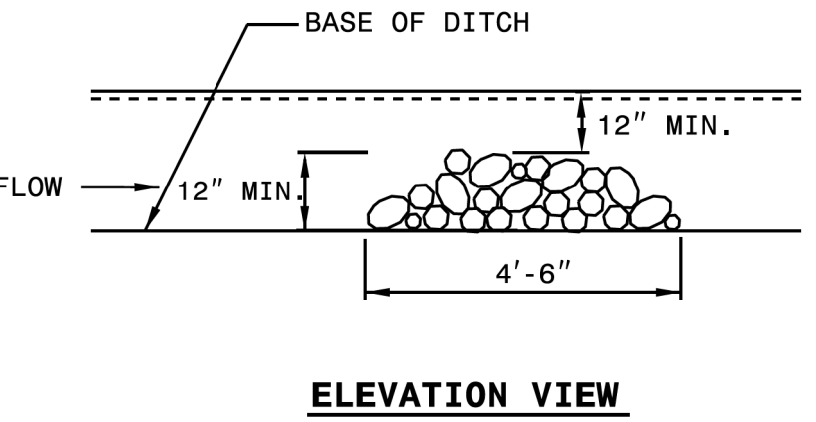
ROADWAY STANDARD DRAWING FOR
TEMPORARY ROCK SILT CHECK TYPE B

SHEET 1 OF 1
1633.02

NOTES

USE CLASS B EROSION CONTROL STONE FOR STRUCTURAL STONE.

THE ENGINEER MAY DIRECT THE OPTION OF CLASS A STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



ELEVATION VIEW

TEMPORARY ROCK SILT CHECK TYPE 'B':

- Inspect check dams and channels for damage after each runoff event.
- Anticipate submergence and deposition above the check dam and erosion from high flows around the edges of the dam. Correct all damage immediately. If significant erosion occurs between dams, install a protective riprap liner in that portion of the channel.
- Remove sediment accumulated behind the dams as needed to prevent damage to channel vegetation, allow the channel to drain through the stone check dam, and prevent large flows from carrying sediment over the dam. Add stones to dams as needed to maintain design height and cross section.

15/14/99

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

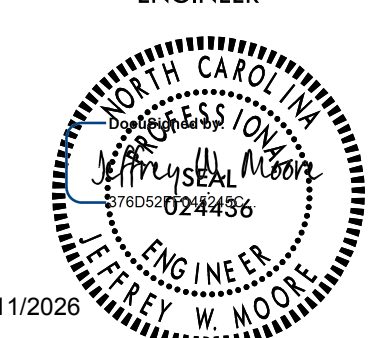
ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NC DOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (A/H). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____

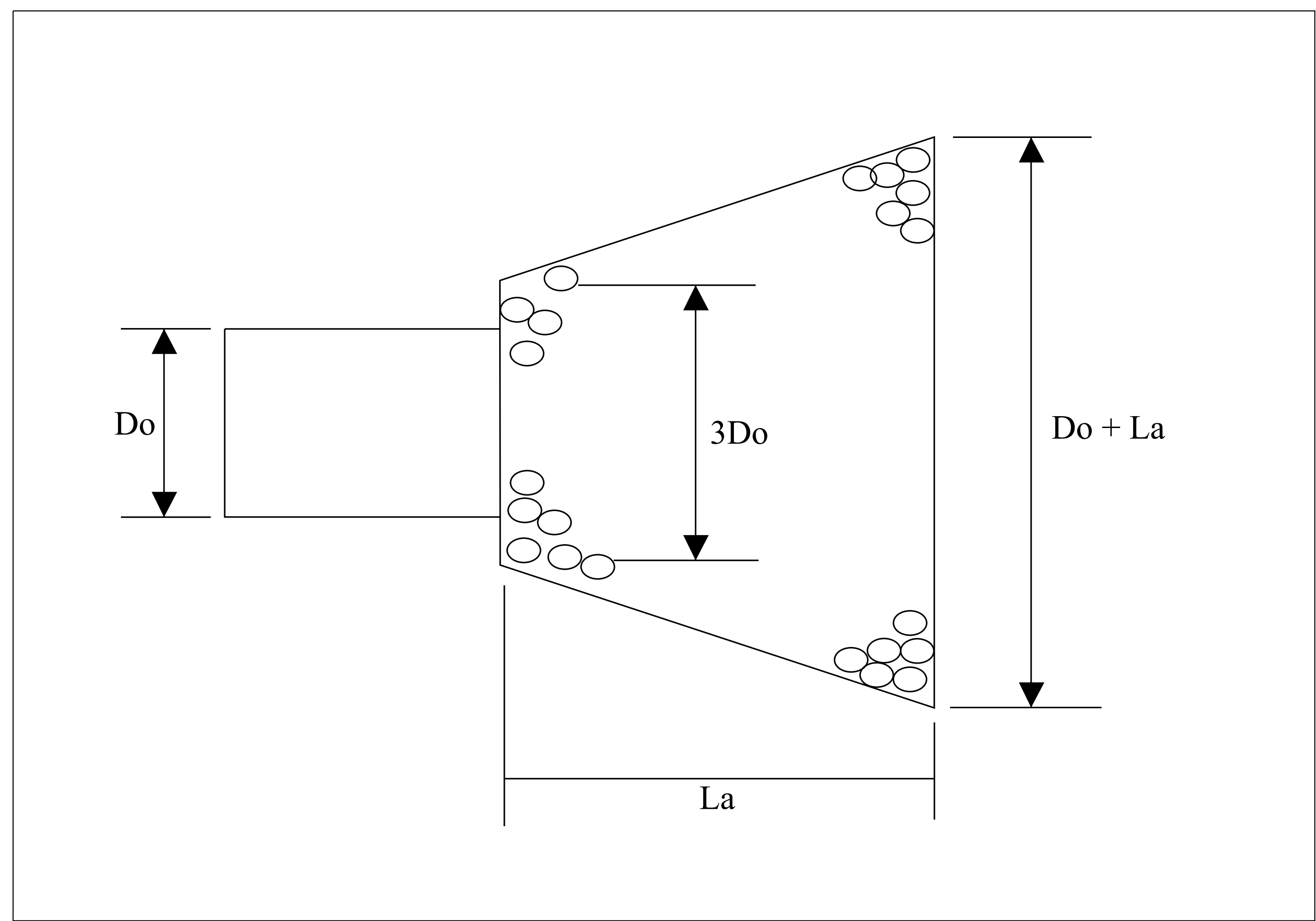
Kimley » Horn © 2022
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV. _____
CONST. REV. _____

PROJECT REFERENCE NO. <i>EB-5721</i>	SHEET NO. <i>EC-II</i>
RW SHEET NO. ROADWAY DESIGN ENGINEER	
	
5/11/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

RIP RAP OUTLET PROTECTION							
<i>ALIGNMENT</i>	<i>STATION</i>	<i>RT/LT</i>	<i>RIP RAP CLASS</i>	<i>RIP RAP (TONS)</i>	<i>LENGTH OF APRON (FT)</i>	<i>WIDTH OF APRON AT PIPE OUTLET (FT)</i>	<i>FILTER FABRIC (SY)</i>
-L-	37+41	LT	CLASS 0	7	8	7.5	15

REVISIONS



RIPRAP OUTLET PROTECTION

MAINTENANCE:
Inspect riprap outlet structures weekly and after significant (1/2 inch or greater) rainfall events to see if any erosion around or below the riprap has taken place, or if stones have been dislodged. Immediately make all needed repairs to prevent further damage.



5/11/2025

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND MOST STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHJ). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATERSANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE:
DATE:

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT
Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes

Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none"> Temporary grass seed covered with straw or other mulches and tackifiers Hydroseeding Roller erosion control products with or without temporary grass seed Appropriately applied straw or other mulch Plastic sheeting 	<ul style="list-style-type: none"> Permanent grass seed covered with straw or other mulches and tackifiers Geotextile fabrics such as permanent soil reinforcement matting Hydroseeding Shrubs or other permanent plantings covered with mulch Uniform and evenly distributed ground cover sufficient to restrain erosion Structural methods such as concrete, asphalt or retaining walls Roller erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the NC DWR List of Approved PAMS/Flocculants.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- Apply flocculants at the concentrations specified in the NC DWR List of Approved PAMS/Flocculants and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated Stormwater before discharging offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- Bring used fuels, 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

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

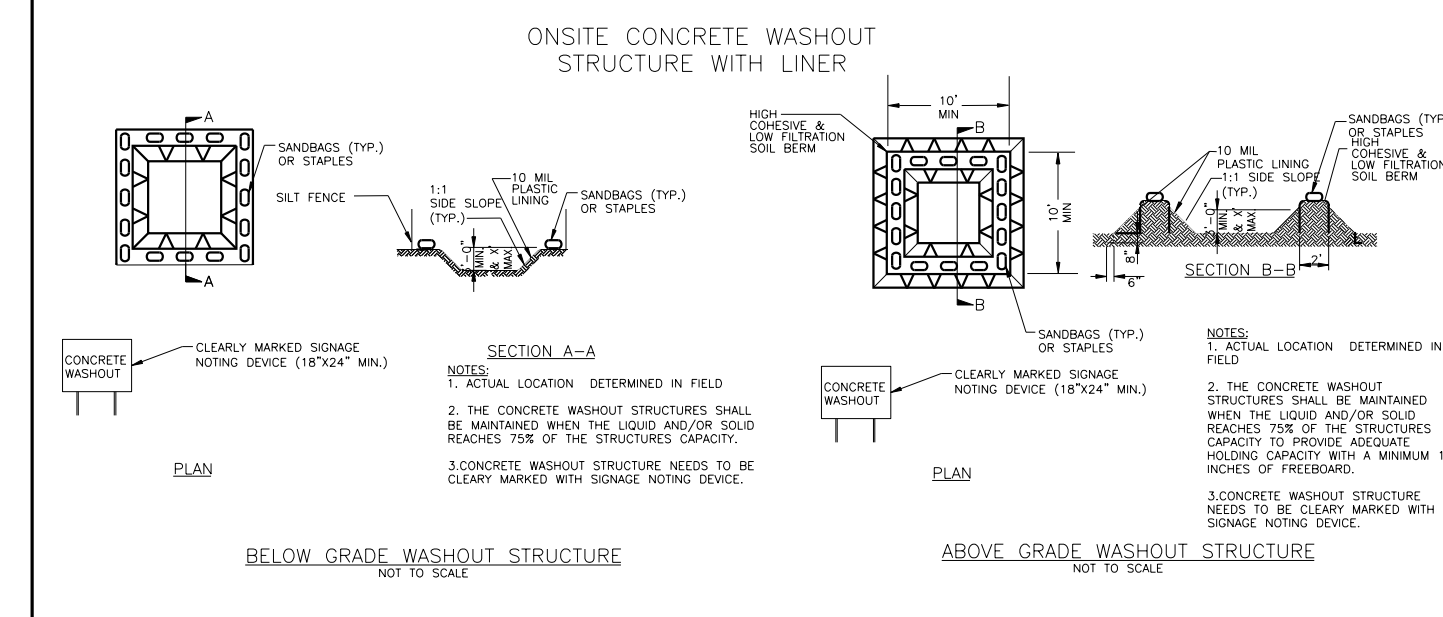
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.



CONCRETE WASHOUTS

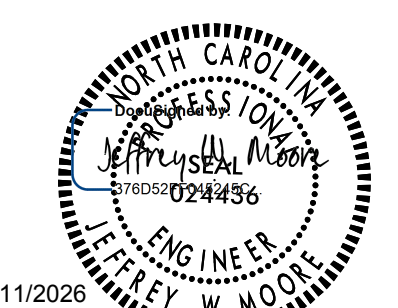
- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt 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 may 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.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- Locate 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 at least one sign 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 concrete work, 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 wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

- Create designated hazardous waste collection areas on-site.
- Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the ground.



**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

TOWN OF CHAPEL HILL
 CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND MOST STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AAJ). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATERSANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE:
 DATE:

**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 or site conditions would cause 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 to or greater than 1.0 inch occurs outside of normal business hours, the self-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.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 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 the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 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 leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 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 a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 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 a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or an 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&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be documented in the manner described:

Item to Document	Documentation Requirements
(a) Each E&SC Measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC Plan.	Initial and date each E&SC Measure on a copy of the approved E&SC Plan or complete, date and sign an inspection report that lists each E&SC Measure shown on the approved E&SC Plan. This documentation is required upon the initial installation of the E&SC Measures or if the E&SC Measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC 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&SC Plan.	Initial and date a copy of the approved E&SC 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&SC Measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC Measures.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation

In addition to the E&SC Plan documents above, the following items shall be kept on the site and available for agency 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 30 days. 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 shown to provide equal access and utility as the hard-copy records.
- (c) All data used to complete the Notice of Intent and older inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 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).

- (a) 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. 143-215.85.

- (b) Anticipated bypasses and unanticipated bypasses.

- (c) Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at (800) 662-7956, (800) 858-0368 or (919) 733-3300.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none"> • 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 staff may waive the requirement for a written report on a case-by-case basis. • If the stream is named on the NC 303(d) list as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply 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 release of hazardous substances per Item 1(b)-(c) above	<ul style="list-style-type: none"> • 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 [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> • 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 [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> • 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.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(l)(7)]	<ul style="list-style-type: none"> • Within 24 hours, an oral or electronic notification. • 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 reoccurrence of the noncompliance. [40 CFR 122.41(l)(6)]. • Division staff may waive the requirement for a written report on a case-by-case basis.

5/14/2026

K:\RAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\WZTC\EB-5721_rdy_psh_tmp.dgn

4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND WDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHJ). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

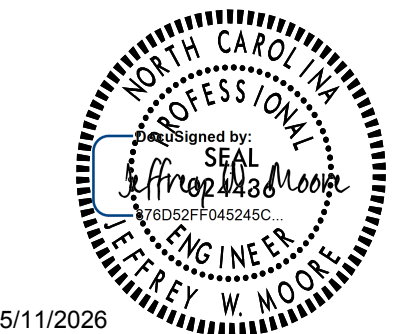
ENGINEERING SIGNATURE: _____
DATE: _____

Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO. <i>EB-5721</i>	SHEET NO. <i>TMP-1</i>
R/W SHEET NO.	



PLAN FOR PROPOSED TRAFFIC CONTROL, MARKING & DELINEATION

EB-5721 (FORDHAM BLVD) TOWN OF CHAPEL HILL, ORANGE COUNTY

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - ROADWAY DESIGN UNIT-N.C. DEPARTMENT OF TRANSPORTATION-RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES TYPE III
1150.01	FLAGGERS
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS

INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS AND INDEX OF SHEETS
TMP-2	GENERAL AND PHASING NOTES
PS-1	PAVEMENT MARKING & SIGNING PLANS
PS-2 THRU PS-4	TOWN OF CHAPEL HILL SIGNING DETAILS

GENERAL NOTES

ADAPT THE TRAFFIC CONTROL PLANS, WHEN DIRECTED BY THE ENGINEER, TO MEET FIELD CONDITIONS TO PROVIDE SAFE AND EFFICIENT TRAFFIC MOVEMENT. CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS AND ROADWAY DETAILS ARE NOT ATTAINABLE, OR RESULT IN DUPLICATE, OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING OR REMOVAL OF DEVICES.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

TIME RESTRICTIONS:

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
FORDHAM BLVD	7:00 AM - 9:00 AM & 4:00 PM - 7:00 PM (MONDAY THRU SUNDAY)

LANE AND SHOULDER CLOSURE REQUIREMENTS:

- B) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- C) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- G) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

PAVEMENT EDGE DROP OFF REQUIREMENTS:

- H) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:
 BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
 BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.
 BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- I) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 500 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS:

J) NOTIFY THE ENGINEER AND TOWN OF CHAPEL HILL ENGINEERING DEPARTMENT TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING:

- K) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- L) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- M) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 500 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHJ). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE:
DATE:

Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

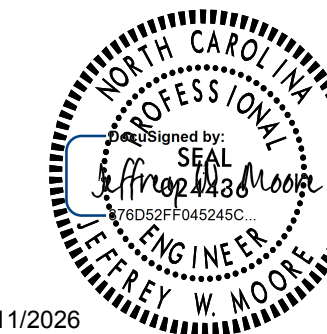
RIGHT-OF-WAY REV.

CONST. REV.

PROJECT REFERENCE NO. SHEET NO.

EB-5721 TMP-2

R/W SHEET NO.



5/11/2026

TRAFFIC CONTROL DEVICES:

N) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.

PAVEMENT MARKINGS AND MARKERS:

- O) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- P) INSTALL PAVEMENT MARKINGS ON THE FINAL SURFACE OF THE GREENWAY AND ROADWAYS AS SHOWN IN THE PAVEMENT MARKING AND SIGNING PLANS
- Q) REFER TO SECTION 1205 OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2024 FOR APPLICATION TIMES AND TEMPERATURE CONDITIONS FOR PAVEMENT MARKINGS.
- R) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- S) REPLACE ANY PAVEMENT MARKINGS THAT HAVE BEEN DAMAGED BY THE END OF EACH DAY'S OPERATION.

PEDESTRIAN AND BICYCLIST SAFETY:

- T) PEDESTRIAN AND BICYCLIST SAFETY MUST BE MAINTAINED AT ALL TIMES. USE FENCING, SIGNAGE, AND BARRICADES TO DELINEATE THE WORK AREA AND TO KEEP PEDESTRIANS AND BICYCLISTS OUT OF WORK AREA.
- U) WHEN CONSTRUCTING NEW SIDEWALK OR TRAIL, CLOSE SIDEWALK WITH PEDESTRIAN CHANNELIZING DEVICES, MOUNT "SIDEWALK CLOSED" SIGNS ON EACH BARRICADE. PLACE A BARRICADE AT ALL APPROACHES TO THE CURRENT WORK AREA.

MISCELLANEOUS:

V) STOCKPILE EXISTING SIGNS FOR USE WHEN NEEDED IN TEMPORARY LOCATIONS DURING CONSTRUCTION.

CONSTRUCTION PHASING

PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL INSTALL WORK ZONE ADVANCE WARNING SIGNS AS SHOWN ON NCDOT STD DRAWING 1101.01.

WHILE MAINTAINING TRAFFIC ALONG CLELAND DRIVE, SOUTH ESTES DRIVE, RIDGEFIELD ROAD, WALNUT STREET, WILLOW DRIVE AND ALL OTHER INTERSECTING ROADS AND DRIVEWAYS, USING TEMPORARY LANE CLOSURES AS NEEDED AS SHOWN ON NCDOT ROADWAY STANDARD DRAWING 1101.02 (SHEET 1 OF 19), PERFORM THE FOLLOWING:

STEP 1:

AWAY FROM TRAFFIC, COMPLETE CONSTRUCTION OF PROPOSED MULTI-USE PATH. WARNING SIGNS SHALL BE PLACED AS NECESSARY TO ALERT PEDESTRIANS OF GREENWAY CONSTRUCTION.

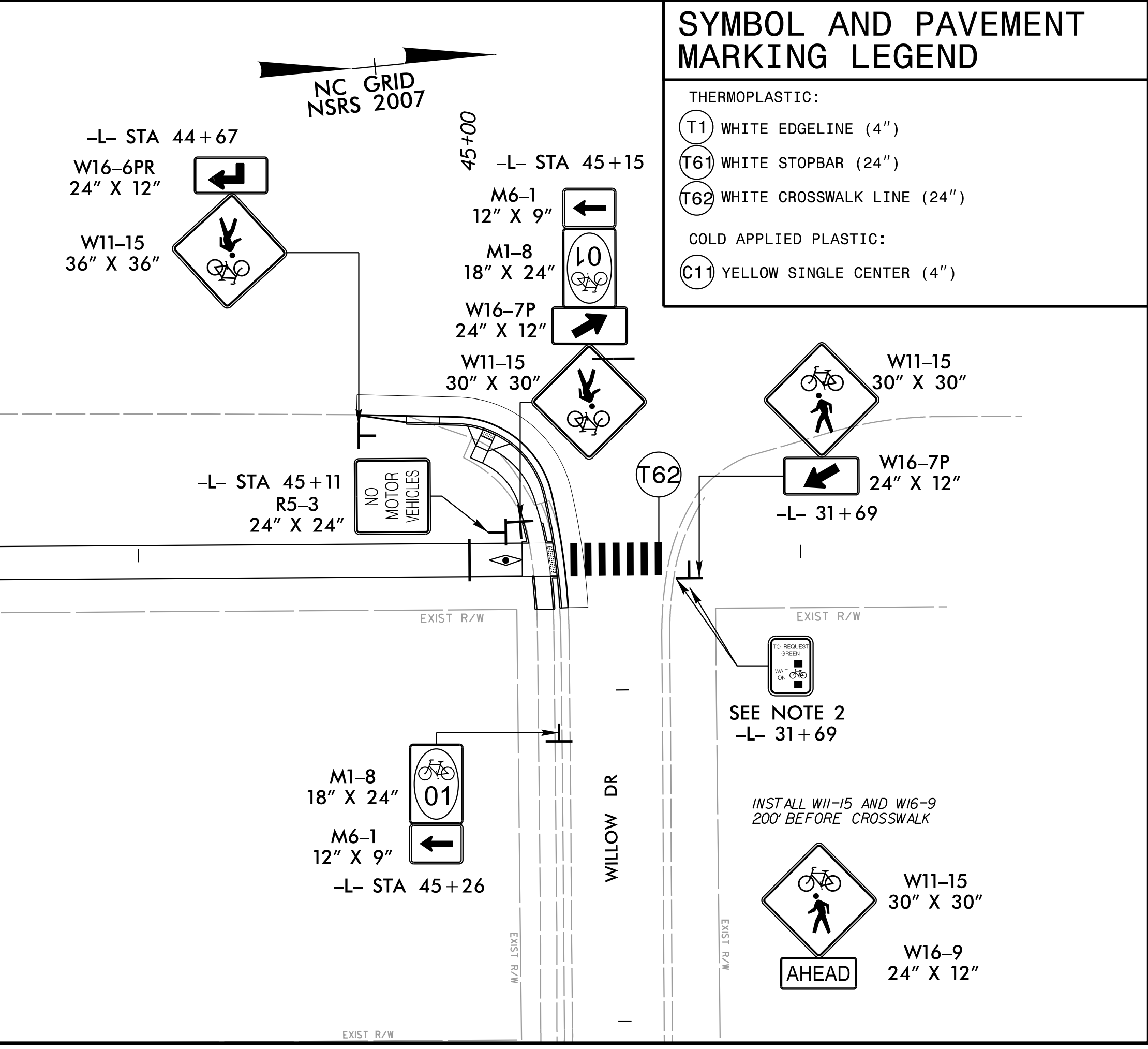
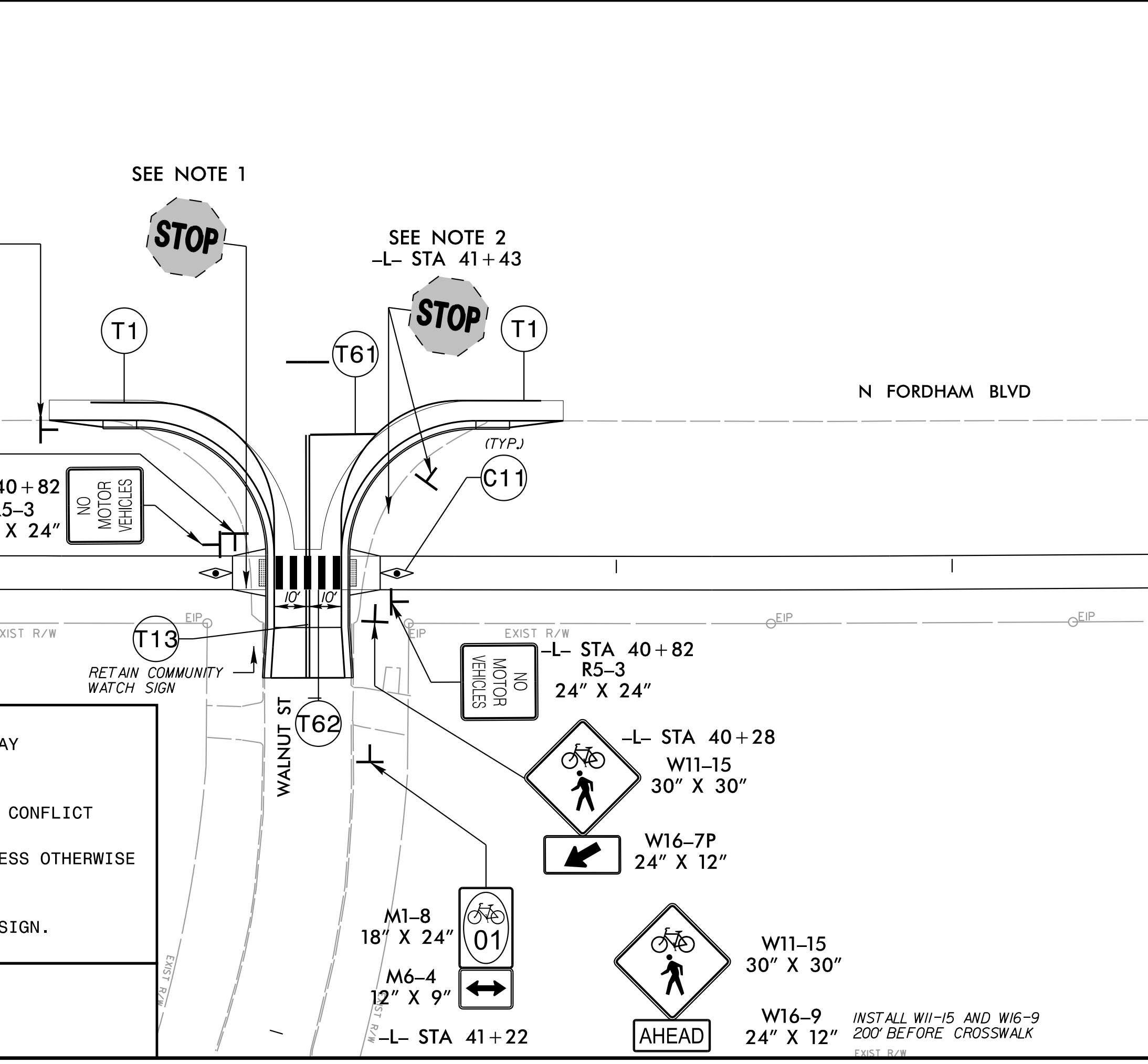
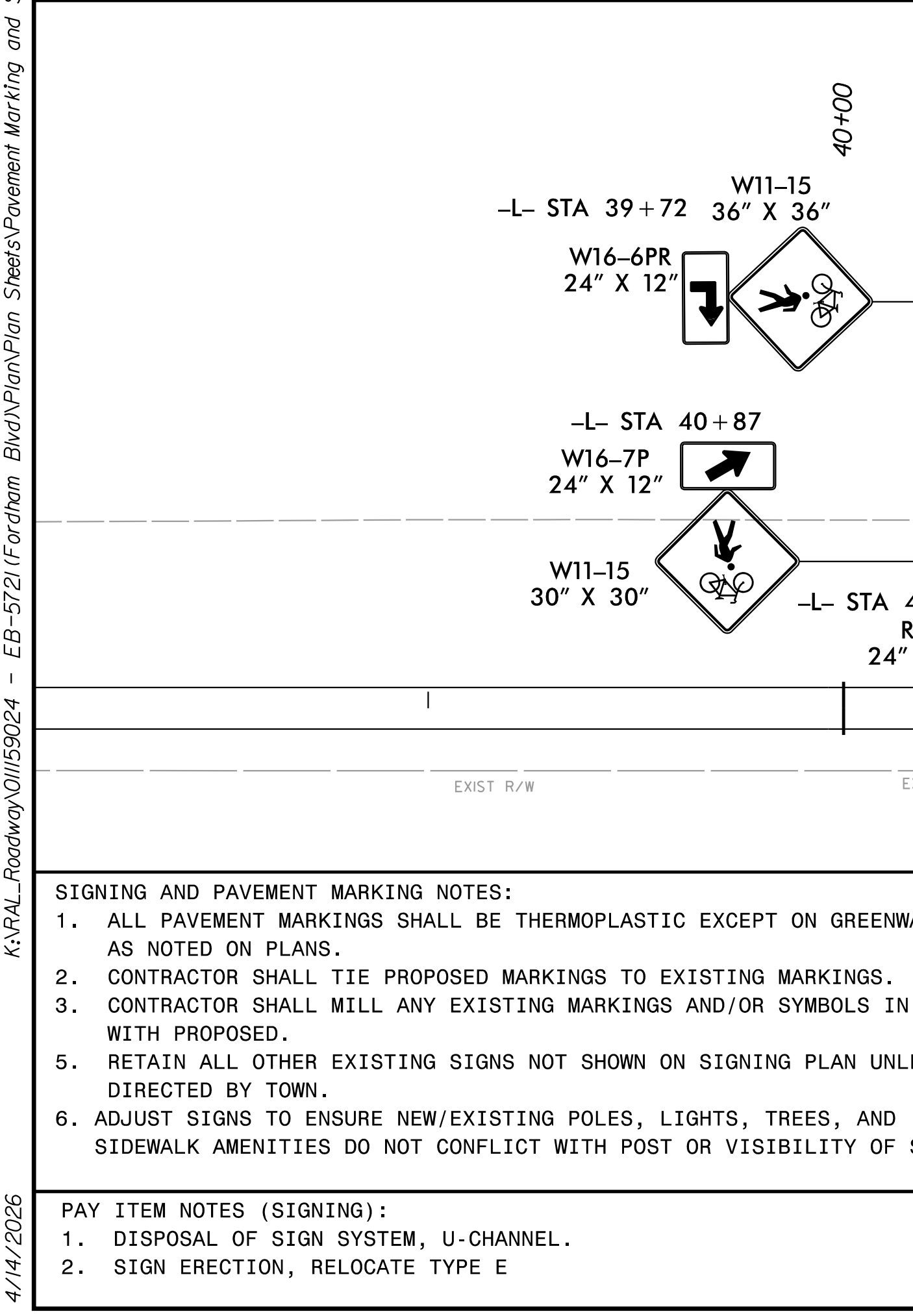
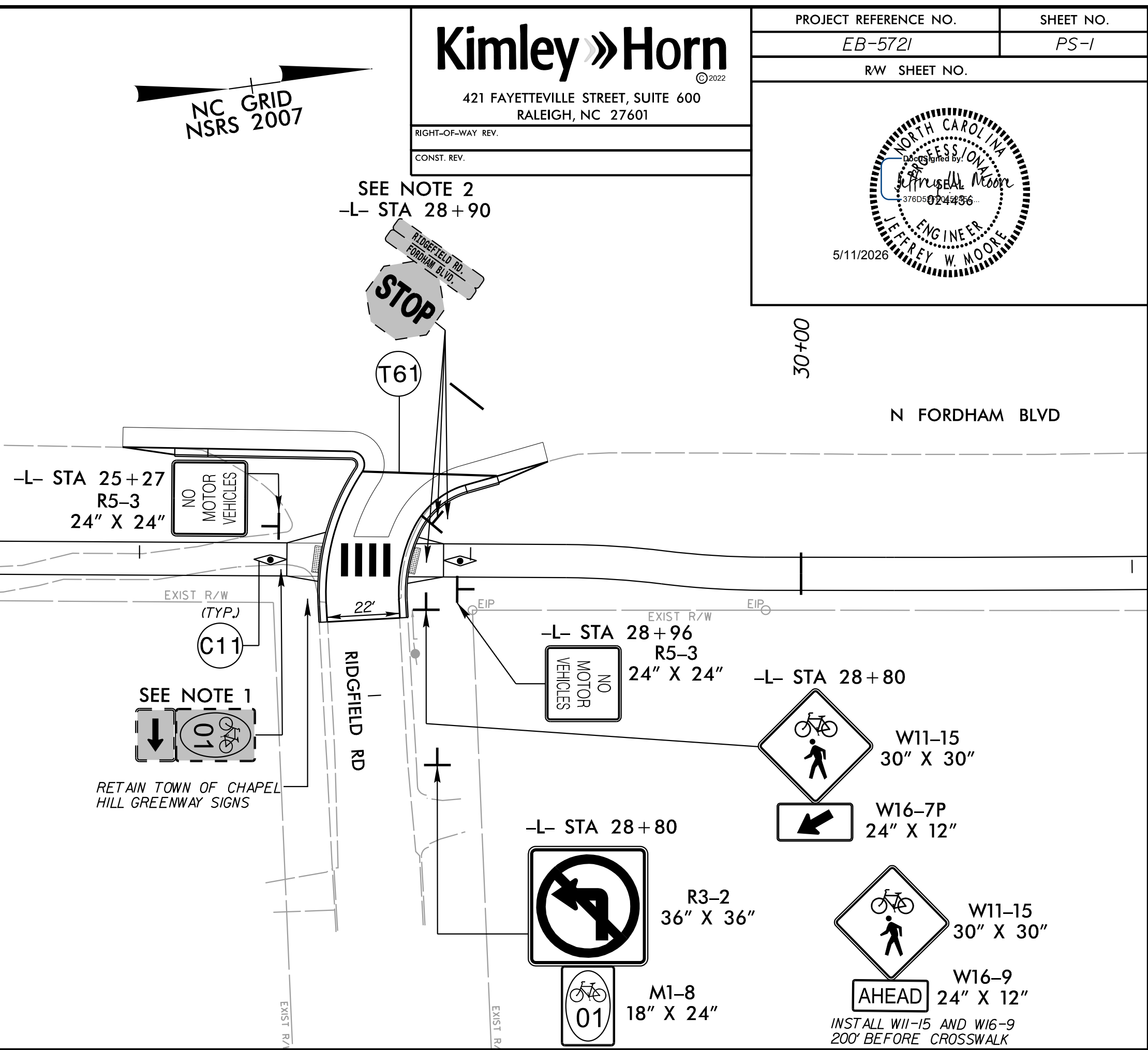
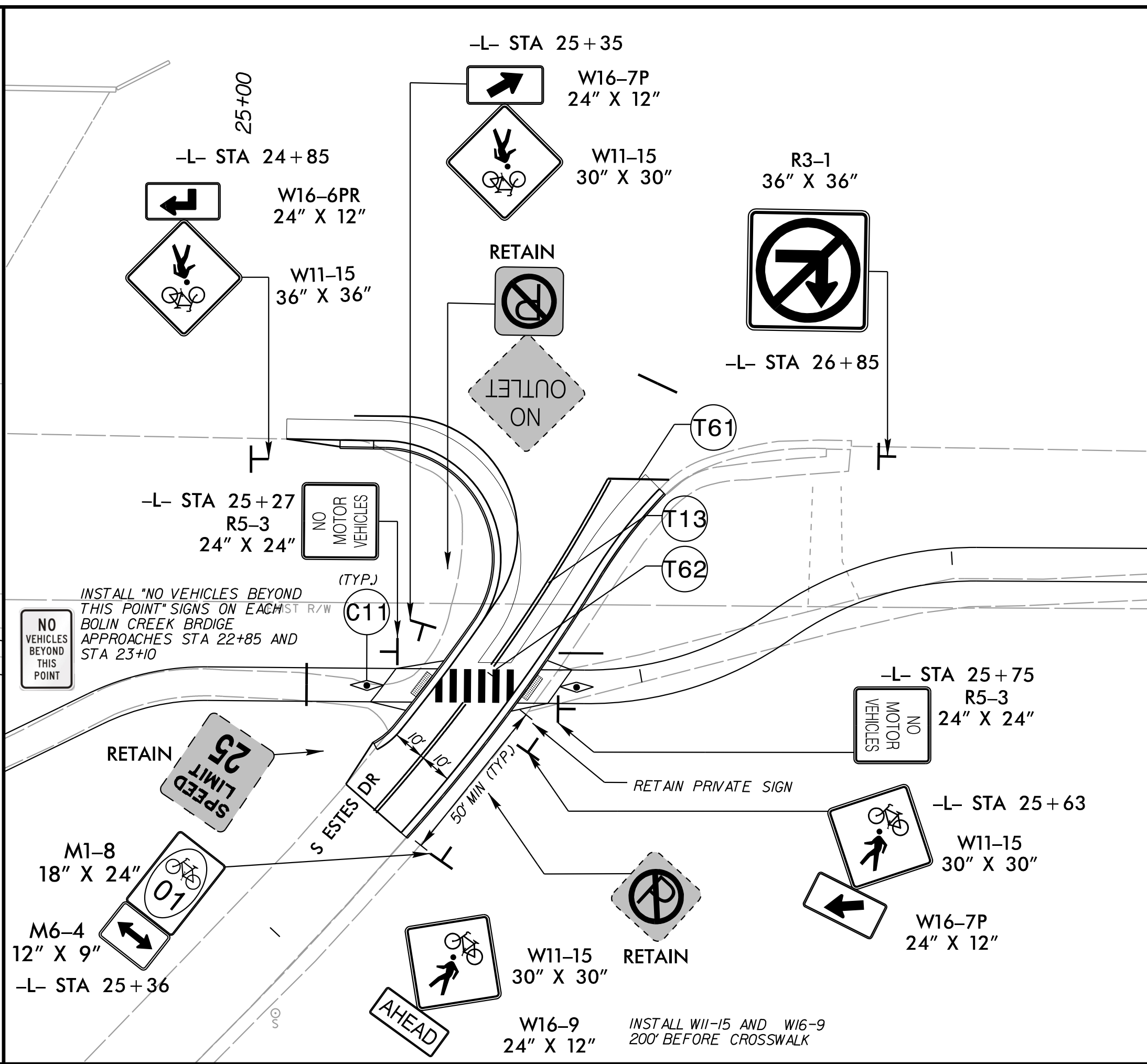
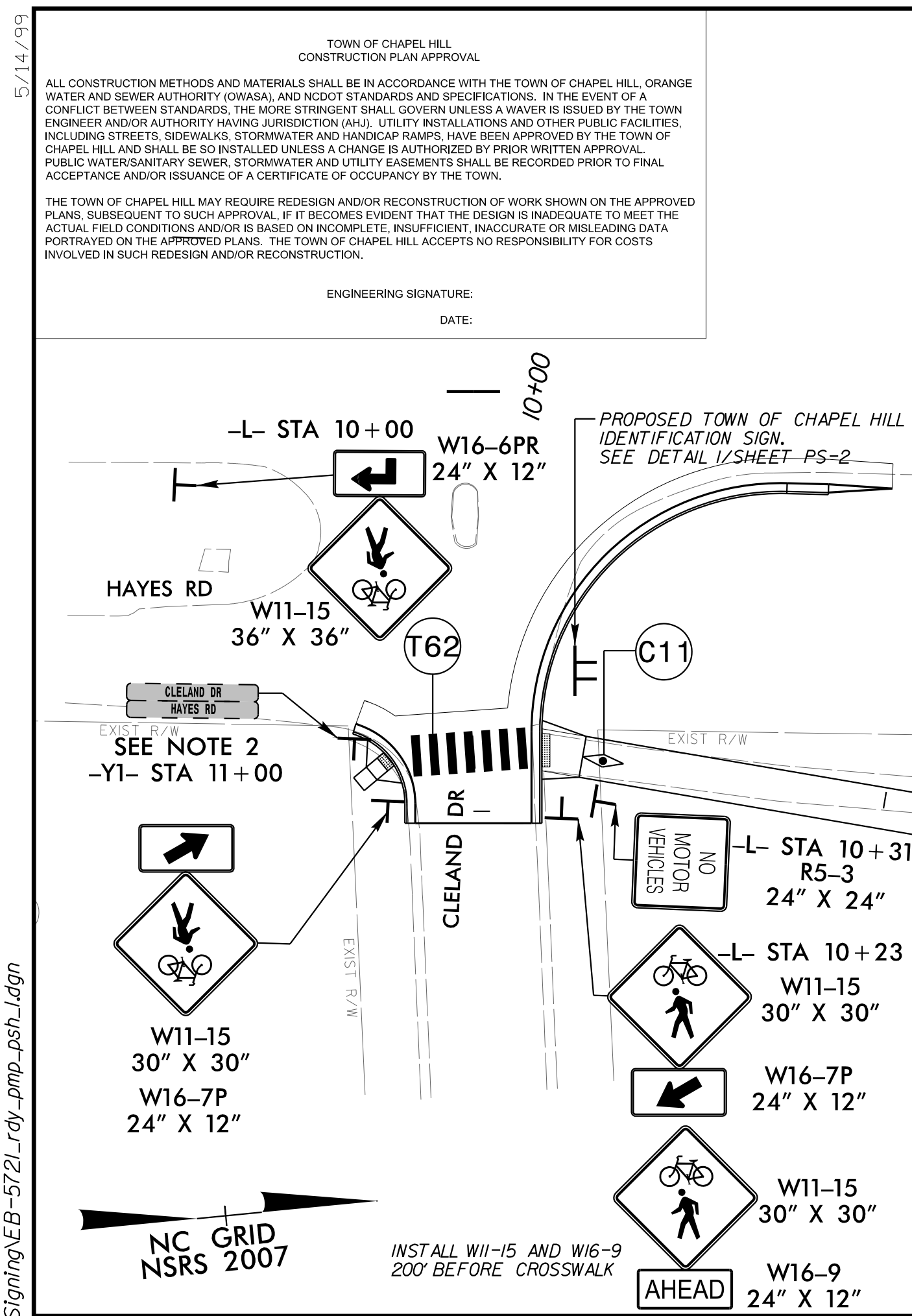
STEP 2:

CONSTRUCT PROPOSED MULTI-USE PATH AND CURB AND GUTTER ALONG CLELAND DRIVE, RIDGEFIELD ROAD, WALNUT STREET AND WILLOW DRIVE.

STEP 3:

REMOVE LANE CLOSURES AND WORK ZONE SIGNS AND DEVICES. OPEN ALL LANES TO TRAFFIC.

K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\Plan Sheets\Pavement Marking and Signing\EB-5721_rdy_pmp_psh.dgn



SIGNING AND PAVEMENT MARKING NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC EXCEPT ON GREENWAY AS NOTED ON PLANS.
2. CONTRACTOR SHALL TIE PROPOSED MARKINGS TO EXISTING MARKINGS.
3. CONTRACTOR SHALL MILL ANY EXISTING MARKINGS AND/OR SYMBOLS IN CONFLICT WITH PROPOSED.
5. RETAIN ALL OTHER EXISTING SIGNS NOT SHOWN ON SIGNING PLAN UNLESS OTHERWISE DIRECTED BY TOWN.
6. ADJUST SIGNS TO ENSURE NEW/EXISTING POLES, LIGHTS, TREES, AND SIDEWALK AMENITIES DO NOT CONFLICT WITH POST OR VISIBILITY OF SIGN.

PAY ITEM NOTES (SIGNING):

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL.
2. SIGN ERECTION, RELOCATE TYPE E

SYMBOL AND PAVEMENT MARKING LEGEND

THERMOPLASTIC:

- (T1) WHITE EDGELINE (4")
- (T61) WHITE STOPBAR (24")
- (T62) WHITE CROSSWALK LINE (24")

COLD APPLIED PLASTIC:

- (C11) YELLOW SINGLE CENTER (4")

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NC DOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____

Kimley Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

PROJECT REFERENCE NO. EB-5721
SHEET NO. PS-1

R/W SHEET NO.

RIGHT-OF-WAY REV. _____
CONST. REV. _____

5/11/2026

5/14/2026



K:\RAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\Plan Sheets\Pavement Marking and Signing\EB-5721_rdy_pmp_psh_2.dgn

5/14/2026

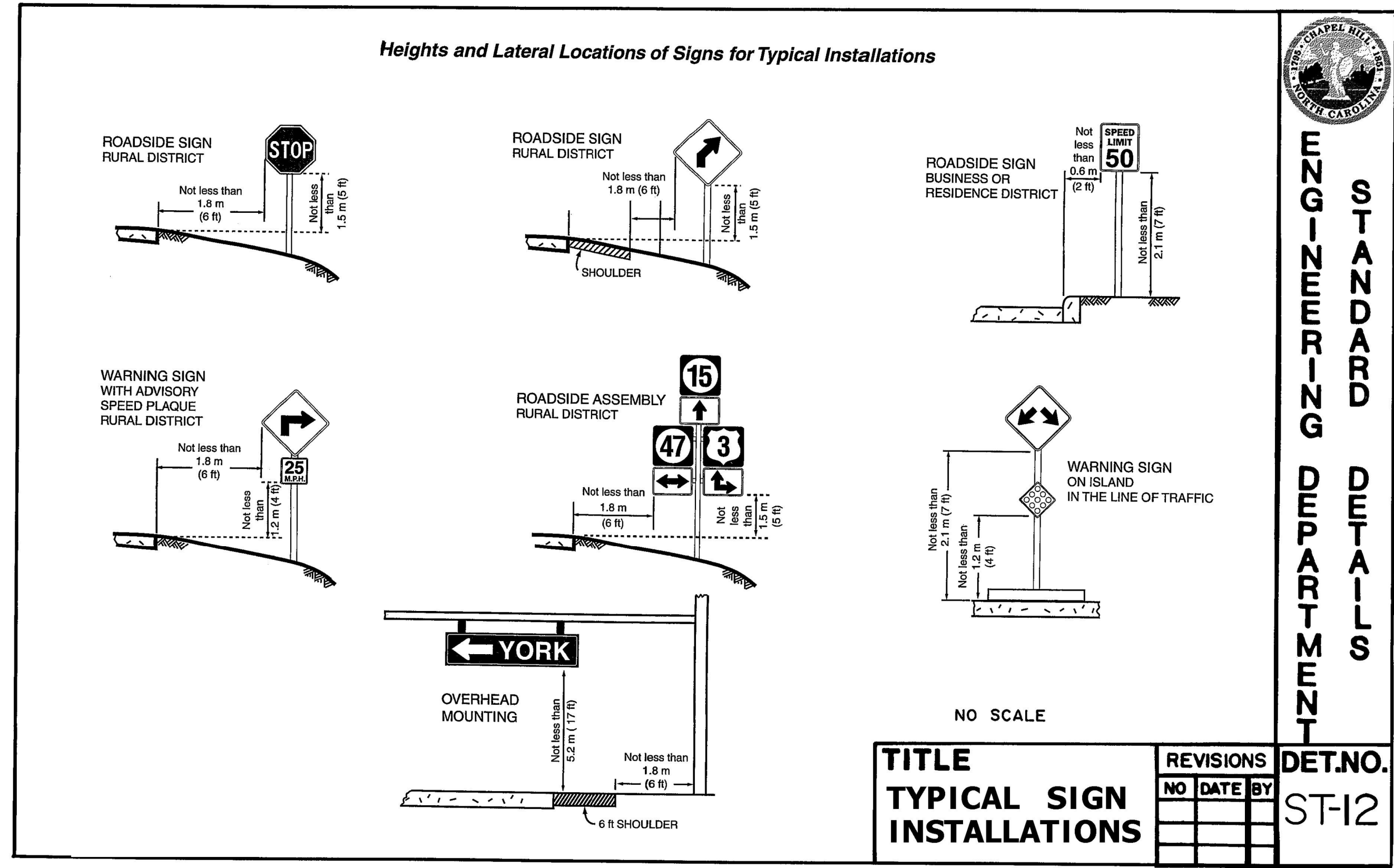
4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NC DOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (A.H.). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____



Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.
EB-5721

SHEET NO.
PS-2

R/W SHEET NO.

5/11/2026

TOWN OF CHAPEL HILL ST. NAME & TRAFFIC SIGN STANDARDS STREET NAMES SIGNS

- ALL NAMES WILL START WITH A 6" CAPITAL LETTER, FOLLOWED BY LOWER CASE LETTERS. THE ROAD DESIGNATIONS (ST., RD., CIR. . . ETC. WILL BE IN 50% SUPERSCRIPT, ALIGNED WITH THE TOP LETTER EDGE.
- THE COLOR SCHEME SHOULD BE A BACKGROUND OF BRIGHT GREEN WITH WHITE HIGH INTENSITY GRADE LETTERS & BOARDER (1/2").
- THE STREET NAME SIGN SHOULD INCLUDE ON THE LEFT A REPLICATION OF THE TOWN SEAL, & ON THE RIGHT A BLOCK NUMBER.
- THE TOWN SEAL SHOULD BE THE SAME COLOR AND HEIGHT AS THE STREET NAME.
- BLOCK NUMBERS SHOULD BE SAME COLOR AS THE SUPERSCRIPT, 2" IN HEIGHT, & ALIGNED WITH THE BOTTOM OF THE STREET NAME. THE NUMBER SHOULD BE CENTERED 3/4" BELOW THE ROAD SUPERSCRIPT.
- THE LETTER FONT SHOULD BE HIGHWAY GOTHIC C FED KERN REV.B.
- ALL STREET SIGN BLADES MUST BE NINE INCHES IN HEIGHT. THE MINIMUM LENGTH IS 30", MAXIMUM IS 48". THE ACTUAL LENGTH OF THE BLADE WILL BE DICTATED BY THE NUMBER OF LETTERS IN THE NAME.
- THE STREET NAME (INCLUDING TOWN SEAL, BLOCK NUMBERS, & SUPERSCRIPT). SHOULD BE AT LEAST 4" SHORTER THAN THE SIGN BLADE.
- ALL STREET NAME POST WILL BE ROUND, ALUMINUM OR STEEL, 2 3/8" OD. & AT LEAST 10' IN LENGTH.
- STOP SIGNS - 30" X30".
- REGULATORY SIGNS - STOP, YIELD, DO NOT ENTER, WRONG WAY, & SPEED LIMITS SIGNS SHOULD BE FABRICATED WITH HIGH INTENSITY REFLECTIVE MATERIAL.

STREET NAMES SIGNS

- STOP SIGNS - 30" X30".
- REGULATORY SIGNS - STOP, YIELD, DO NOT ENTER, WRONG WAY, & SPEED LIMITS SIGNS SHOULD BE FABRICATED WITH HIGH INTENSITY REFLECTIVE MATERIAL.
- ALL OTHER SIGNS SHALL BE MADE FROM ENGINEER GRADE MATERIAL.
- ALL OTHER SIGNS SHOULD BE 7' FROM THE GROUND TO THE BOTTOM OF THE SIGN, UNLESS MORE THAN ONE SIGN ON A POST.
- INSTALLED SIGNS SHOULD BE MINIMUM OF 2' FROM SIGN EDGE TO THE ROAD EDGE.
- ALL OTHER SIGN POST SHOULD BE CHANNEL POST MADE OF GALVANIZED STREET. 8' POST 2LBS/FT 12' POST 3LBS/FT.
- ALL SIGNS ARE REQUIRED TO BE DESIGNED IN ACCORDANCE WITH THE MUTCD STANDARDS.

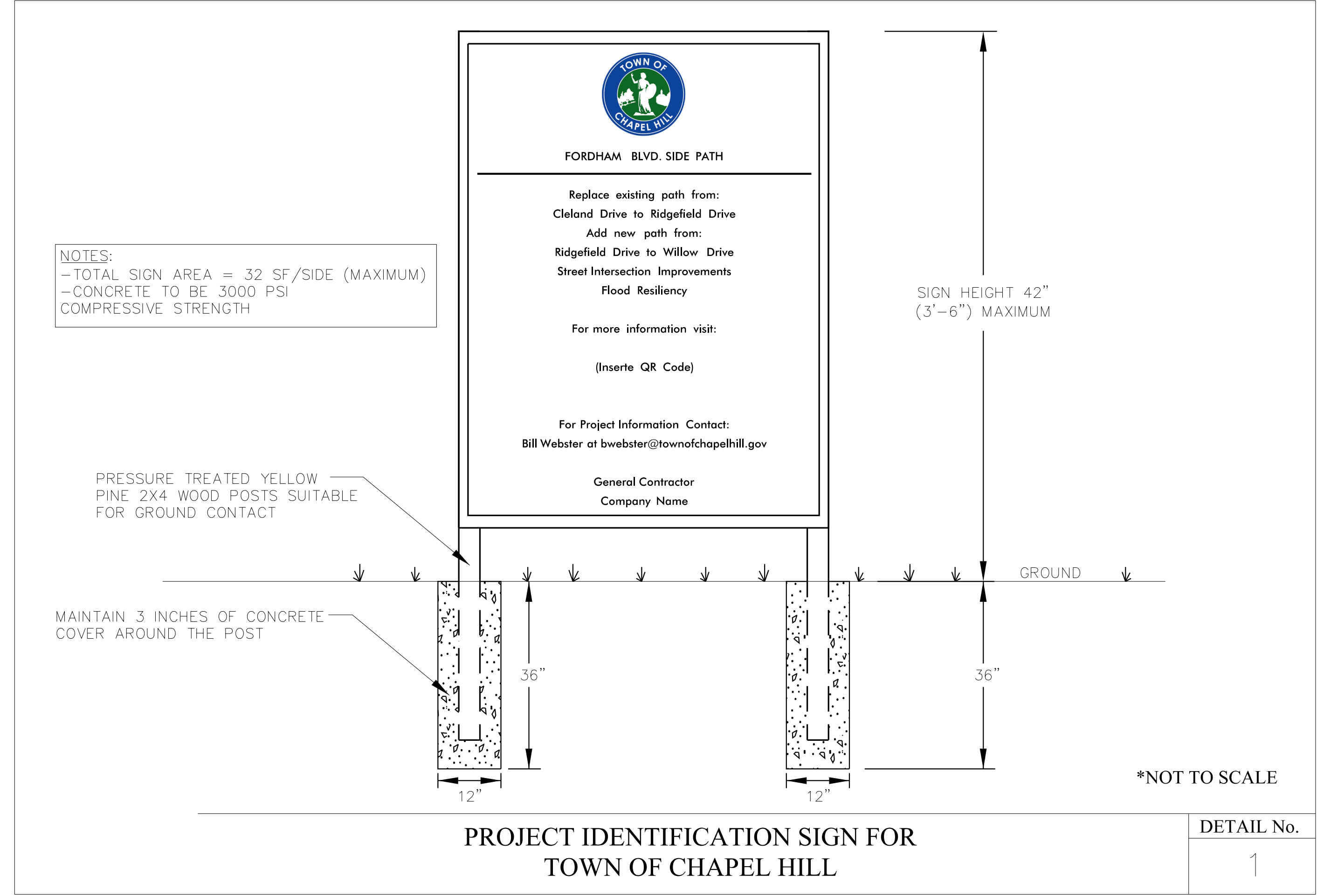
DATE: 02/2017

**TOWN OF CHAPEL HILL
STANDARD DETAIL**

**STREET NAME &
TRAFFIC SIGN
STANDARDS**

T-17.00

" NOT TO SCALE "



DETAIL No.
1

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (A/H). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATERSANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

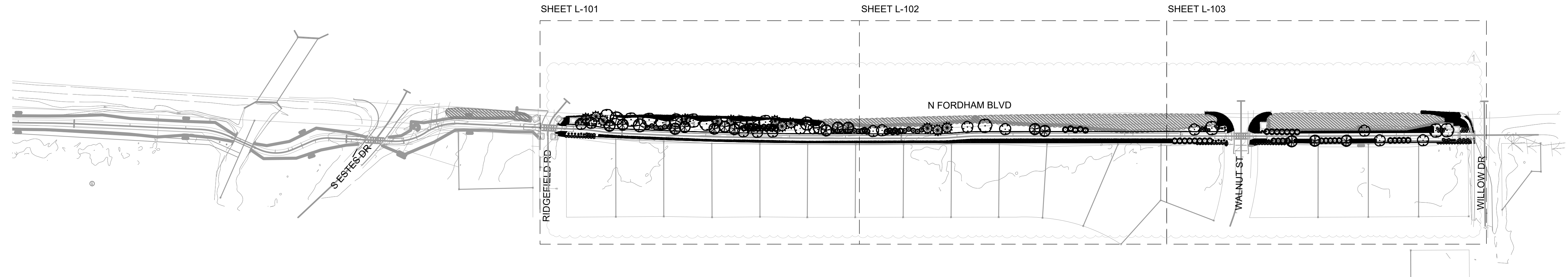
ENGINEERING SIGNATURE: _____
DATE: _____

Kimley»Horn
© 2026
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO. 011159024	SHEET NO. L-100
OVERALL LANDSCAPE PLAN	
EB-5721 FORDHAM BLVD	
5/11/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

OVERALL SITE PLAN:



REVISIONS
SHRUBS REMOVED ALONG FENCE PER COMMENTS

GENERAL LANDSCAPE NOTES:

1. THE CONTRACT INCLUDES ALL DEMOLITION REQUIRED TO COMPLETE JOB, AND TO REMOVE AND TO DISPOSE OF ITEMS FROM SITE COMPLETELY IN ACCORDANCE WITH LOCAL LAWS. DO NOT BURN OR BURY ANY DEMOLITION ITEMS ON SITE. CONTRACTOR IS RESPONSIBLE FOR MAKING SITE VISIT TO DETERMINE AND VERIFY ALL DEMOLITION REQUIREMENTS PRIOR TO BIDDING. CONTRACTOR SHALL RECYCLE OR DISPOSE OF WASTE PRODUCTS AND PLANT CONTAINERS OFF-SITE IN A RESPONSIBLE MANNER.
2. PERMITS AND FEES REQUIRED FOR WORK MUST BE OBTAINED BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL TAKE PROPER PRECAUTIONS NOT TO DAMAGE EXISTING ADJACENT PLANTS, FACILITIES & STRUCTURES THAT ARE TO REMAIN. THE CONTRACTOR SHALL RESTORE DISTURBED AREAS TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND OWNER. ADJACENT STREETS & SIDEWALKS SHALL BE MAINTAINED IN A CLEAN CONDITION, MUD & DUST-FREE.
4. BEFORE BEGINNING ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT "NORTH CAROLINA 811" AT PHONE NUMBER 811 OR ONLINE AT www.nc811.org AT LEAST 5 WORKING DAYS PRIOR TO STARTING WORK TO ARRANGE TO MARK THE HORIZONTAL LOCATION OF UNDERGROUND FACILITIES.
5. EXISTING UTILITIES SHOWN ON LANDSCAPE DRAWINGS ARE BASED ON PUBLISHED DATA AND ARE FOR CONTRACTOR'S CONVENIENCE ONLY. THE CONTRACTOR MUST LOCATE & VERIFY ALL SUCH INFORMATION, INCLUDING INFORMATION NOT SHOWN ON PLANS, BY CONTACTING THE INDIVIDUAL UTILITY COMPANY & INVESTIGATING THE SITE TO DETERMINE THE EXACT LOCATION OF UTILITY LINES & STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, AT HIS OWN EXPENSE, AND TO THE SATISFACTION OF THE PROJECT OWNER & THE UTILITY OWNER, DAMAGE TO ANY UTILITY CAUSED BY HIS WORK. HE SHALL IMMEDIATELY NOTIFY THE OWNER & THE UTILITY OWNER OF ANY DAMAGE TO ANY UTILITY BY HIS OPERATION.
6. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES ARE FOUND, NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY FOR CLARIFICATION.
7. UTILITY MANHOLE COVERS AND ACCESS BOX COVERS ARE TO BE LOCATED ENTIRELY WITHIN A PLANTED AREA OR A PAVED AREA, AND CLEAR OF ALL FENCE LINES. IF ANY CONDITION ARISES WHERE A UTILITY COVER IS TO CROSS A BOUNDARY OR FENCE LINE, NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY FOR CLARIFICATION PRIOR TO COMMENCEMENT OF WORK.
8. ALL EXISTING SIGNAGE TO REMAIN TO BE SALVAGED AND REINSTALLED UPON COMPLETION OF WORK UNLESS OTHERWISE NOTED OR SPECIFIED.
9. PLANT SPECIES ARE SELECTED FOR HARDINESS IN LOCAL CLIMATE. PERMANENT IRRIGATION IS NOT PART OF THIS CONTRACT. PLANTS ARE TO BE WATERED BY CONTRACTOR DURING ESTABLISHMENT PERIOD.
10. EXISTING CONDITIONS SHOWN ARE BASED ON SURVEY INFORMATION PROVIDED. SUPPLEMENTAL INFORMATION COMES FROM FIELD MEASUREMENTS BY THE DESIGN TEAM, WHICH WERE LIMITED TO SURFACE ELEMENTS AND BUILDING FACADES. ACTUAL SITE CONDITIONS MAY VARY. IF A DISCREPANCY IS ENCOUNTERED, CONTRACTOR IS TO NOTIFY LANDSCAPE ARCHITECT FOR CLARIFICATION PRIOR TO BEGINNING WORK.
11. SUMMARY OF LANDSCAPE QUANTITIES ARE SHOWN ON SHEET L-101, L-102, L-103 AND L-200 FOR TOTAL PROJECT QUANTITIES.

PLANTING NOTES:

1. ALL PLANTS PROVIDED BY CONTRACTOR SHALL MEET OR SURPASS THE SPECIFICATIONS GIVEN IN THE PLANT TABLE AND CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z601-1973 IN REGARD TO SIZING, GROWING AND B&B SPECIFICATIONS. PLANTS SHALL BE FULL AND HEAVY, AND IN HEALTHY CONDITION AT THE TIME OF PLANTING. LANDSCAPE ARCHITECT SHALL REJECT ANY PLANT NOT MEETING THESE GUIDELINES AND REQUIRE REPLACEMENT.
2. ALL PLANTS ARE TO BE FULLY GUARANTEED (LABOR AND MATERIALS) FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
3. PLANTING SHALL FOLLOW NCDOT STANDARD SPECIFICATIONS AS OUTLINED IN SECTION 1670. PLANTING SEASON IS OCT. 15 - MAR. 15 UNLESS OTHERWISE NOTED OR APPROVED BY THE LANDSCAPE ARCHITECT. ALL PLANTS THAT ARE UNABLE TO BE IMMEDIATELY PLANTED SHALL BE STORED IN A PROTECTED AREA OUT OF DIRECT SUN AND WIND. PLANTS SHALL BE EVENLY AND CONSISTENTLY WATERED, AS NEEDED, TO PREVENT DRYING OF ROOTS. ROOT BALLS OF B&B STOCK SHALL BE COVERED WITH AT LEAST 3 INCHES OF HARDWOOD MULCH TO MAINTAIN MOISTURE IN ROOTS.
4. THE CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES SHOWN ON PLANS AND CLARIFY ANY DISCREPANCIES WITH LANDSCAPE ARCHITECT PRIOR TO PURCHASING PLANTS. CONTRACTOR SHALL TAG ALL TREES (AS DESIGNATED IN THE MASTER PLANT LIST) AT THE NURSERY FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO PURCHASING PLANTS.
5. LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IN WRITING OF ANY PROPOSED PLANT SUBSTITUTIONS BY THE CONTRACTOR. NO SUBSTITUTIONS SHALL BE MADE UNDER ANY CIRCUMSTANCES WITHOUT PRIOR APPROVAL BY THE LANDSCAPE ARCHITECT.
6. ALL PLANTS AND PLANTING BEDS SHALL BE LOCATED BY SCALED DIMENSIONS FROM BUILDINGS, CURBS, PAVEMENTS, ETC. SPECIFIC ATTENTION SHALL BE GIVEN TO ENSURE THAT PLANTS INDIVIDUALLY SHOWN ON THE PLAN ARE ACCURATELY LOCATED. LOCATION OF ALL PLANTS SHALL BE REVIEWED IN THE FIELD BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE FOR REVIEW.
7. A PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL PLANTING BEDS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ALLOWED TO DISSIPATE BEFORE PLANTING.
8. ALL LANDSCAPE AREAS TO BE GRADED FOR POSITIVE DRAINAGE AND TO ENSURE NO STANDING WATER. SEE GRADING PLAN AND DRAINAGE PLANS FOR SPECIFIC GRADING INFORMATION AND PIPE INVERTS.
9. ESTABLISH AND MAINTAIN TOP OF GRADE BELOW ADJACENT CURBS AND OTHER HARDSCAPE AREAS TO ALLOW FOR INSTALLATION OF MULCH.
10. FINISH OFF 2' - 4' CLEAR ZONE AROUND TREES WITH A 3" LAYER OF MULCH, BUT DO NOT PLACE UP AGAINST OR MOUND AROUND ROOT FLARE.
11. STREET TREES IN VEHICULAR SIGHT TRIANGLES SHALL BE UNDER-TRIMMED SUFFICIENTLY TO ALLOW CLEAR SIGHT. ALL PRUNING SHALL BE PERFORMED BY A CERTIFIED ARBORIST, AND ADHERE TO THE ANSI A300 PRUNING STANDARD. PRUNING CUTS ARE TO BE DELIBERATE AND TARGETED ONLY TO THE NECESSARY BRANCHES IN ORDER TO SATISFY SIGHT AND CLEARANCE REQUIREMENTS WHILE MAINTAINING THE INTEGRITY OF THE TREES.
12. CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING, BUT NOT LIMITED TO WATERING, MULCHING, SPRAYING, FERTILIZING, ETC.) OF THE PLANTING AREAS UNTIL SUBSTANTIAL COMPLETION.
13. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN OR DEFOOLIATES PRIOR TO SUBSTANTIAL COMPLETION OF THE WORK SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES IN ACCORDANCE WITH THE APPROPRIATE PLANTING SEASON. QUANTITY AND SIZE ARE TO MEET PLANT SPECIFICATIONS.
14. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES & ORDINANCES REGARDING LANDSCAPING.
15. MULCH TYPE FOR PROJECT: DOUBLE SHREDDED HARDWOOD DESIGNER MULCH IN DARK BROWN.
16. SOIL ANALYSIS SHALL BE OBTAINED PRIOR TO PLANTING. SOIL SHALL BE AMENDED AS RECOMMENDED BY CERTIFIED TESTING AGENCY TO A MINIMUM DEPTH OF 12 INCHES.

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

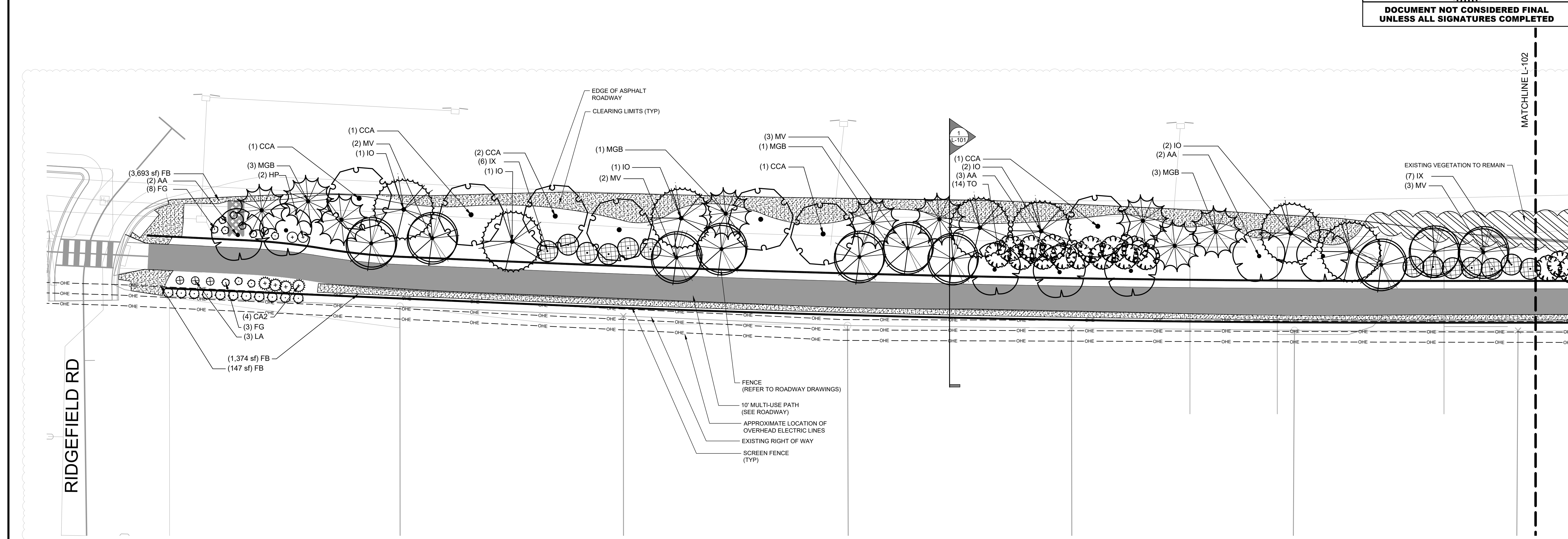
ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA) AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (A.H.U.). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATERSANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____

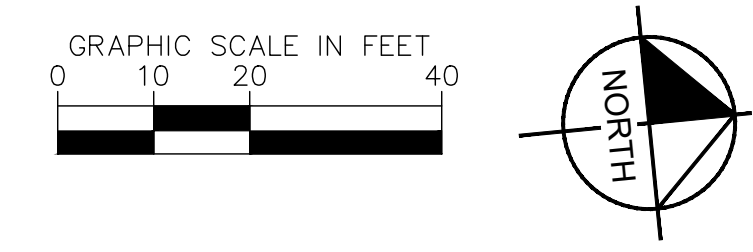
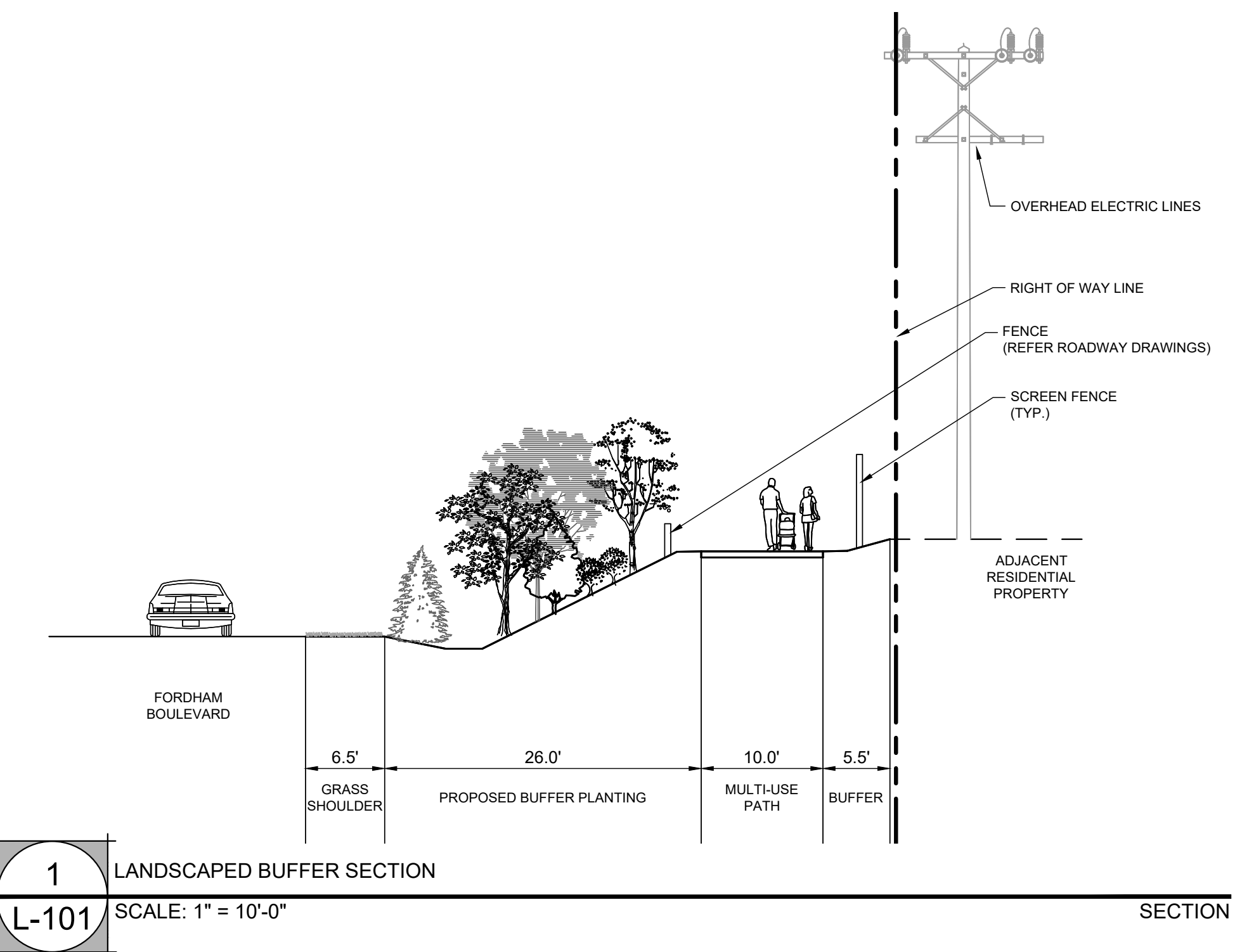
Kimley»Horn
© 2026
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601
RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO. 011159024 SHEET NO. L-101
LANDSCAPE PLAN
EB-5721 FORDHAM BLVD
5/11/2026
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



PLANT SCHEDULE SHEET L-101

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	CAL.	HEIGHT
EVERGREEN TREES							
	IO	7	ILEX OPACA	AMERICAN HOLLY	B&B		10'-12' HT.
	IX	13	ILEX X 'MAGLAND' TM	OAKLAND HOLLY	CONT.		10'-12' HT.
	MGB	9	MAGNOLIA GRANDIFLORA 'BRACKENS BROWN BEAUTY'	BRACKEN'S SOUTHERN MAGNOLIA	B&B		10'-12' HT.
	TO	14	THUJA OCCIDENTALIS	AMERICAN ARBORVITAE	CONT.		10'-12' HT.
SHADE TREES							
	CCA	7	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	B&B	3" CAL	10'-12' HT.
UNDERSTORY TREES							
	AA	7	AMELANCHIER ARBOREA	DOWNY SERVICEBERRY	B&B	2.5" CAL	8'-10' HT.
	MV	10	MAGNOLIA VIRGINIANA	SWEET BAY	B&B	2.5" CAL	8'-10' HT.
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	HEIGHT	SPACING
SHRUBS							
	CA2	4	CALLICARPA AMERICANA	AMERICAN BEAUTYBERRY	CONT.	18" MIN.	60" o.c.
	FG	11	FOTHERGILLA GARDENII	DWARF FOTHERGILLA	CONT.	18" MIN.	36" o.c.
	HP	2	HYPERICUM PROLIFICUM	SHRUBBY ST. JOHN'S WORT	CONT.	18" MIN.	48" o.c.
	IB	11	ILEX CRENATA 'BENNETT'S COMPACTA'	BENNETT'S COMPACT HOLLY	CONT.	18" MIN.	48" o.c.
	LA	3	LEUCOTHOE AXILLARIS	COASTAL LEUCOTHOE	CONT.	18" MIN.	36" o.c.
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	HEIGHT	SPACING
GROUND COVERS							
	FB	6,578 SF	FESTUCA BREVIPIILA	HARD FESCUE	SEED		



1
L-101 LANDSCAPED BUFFER SECTION
SCALE: 1" = 10'-0"

REFER TO CIVIL PLANS FOR ALL ROADWAY, GRADING, DRAINAGE, UTILITIES AND EROSION CONTROL DESIGN.
REFER TO SHEET L-100 FOR PLANTING NOTES AND SHEET L-200 FOR PLANTING DETAILS AND OVERALL PLANT SCHEDULE.

REVISIONS
SHRUBS REMOVED ALONG FENCE PER COMMENTS

1/8/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

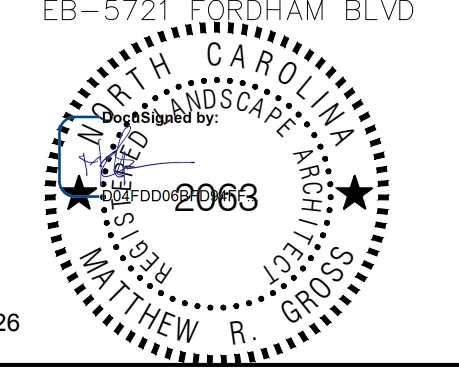
ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA) AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHJ). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATERSANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____

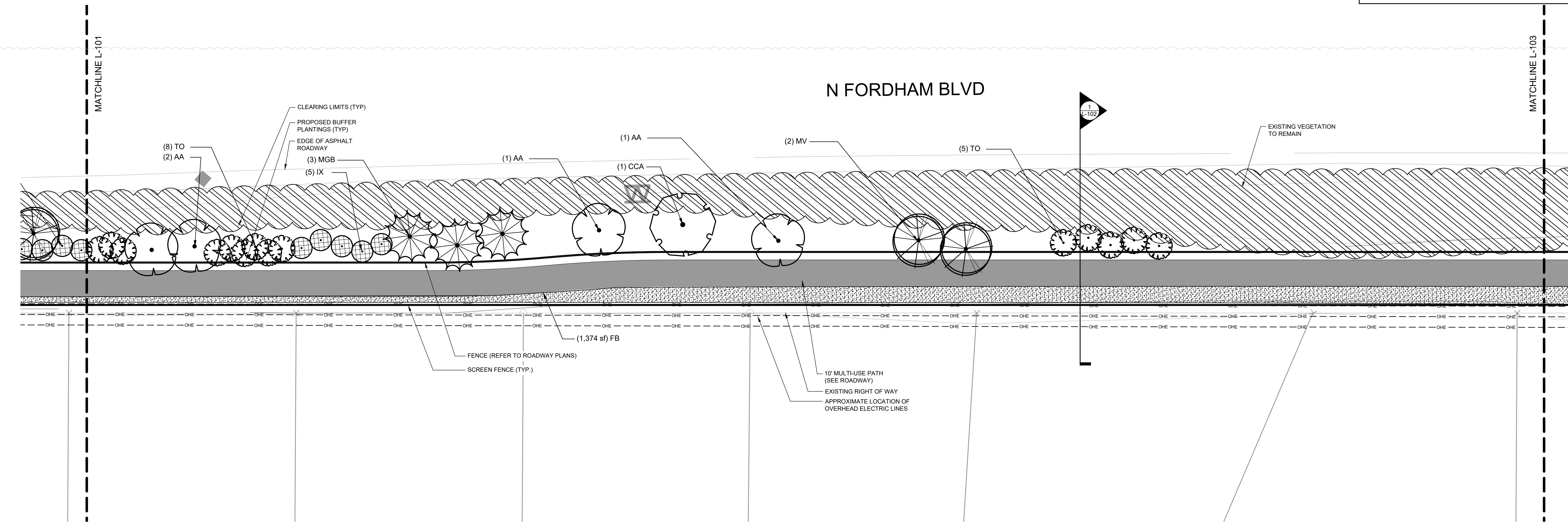
Kimley»Horn
© 2026
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601
RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO. 011159024 SHEET NO. L-102
LANDSCAPE PLAN
EB-5721 FORDHAM BLVD
5/11/2026
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



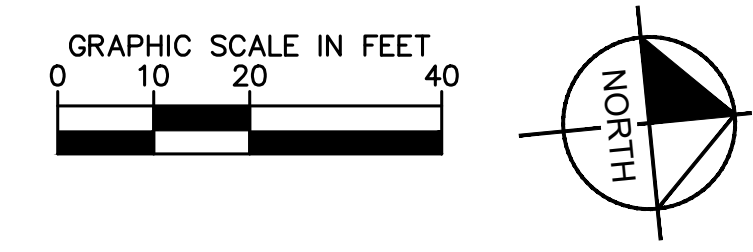
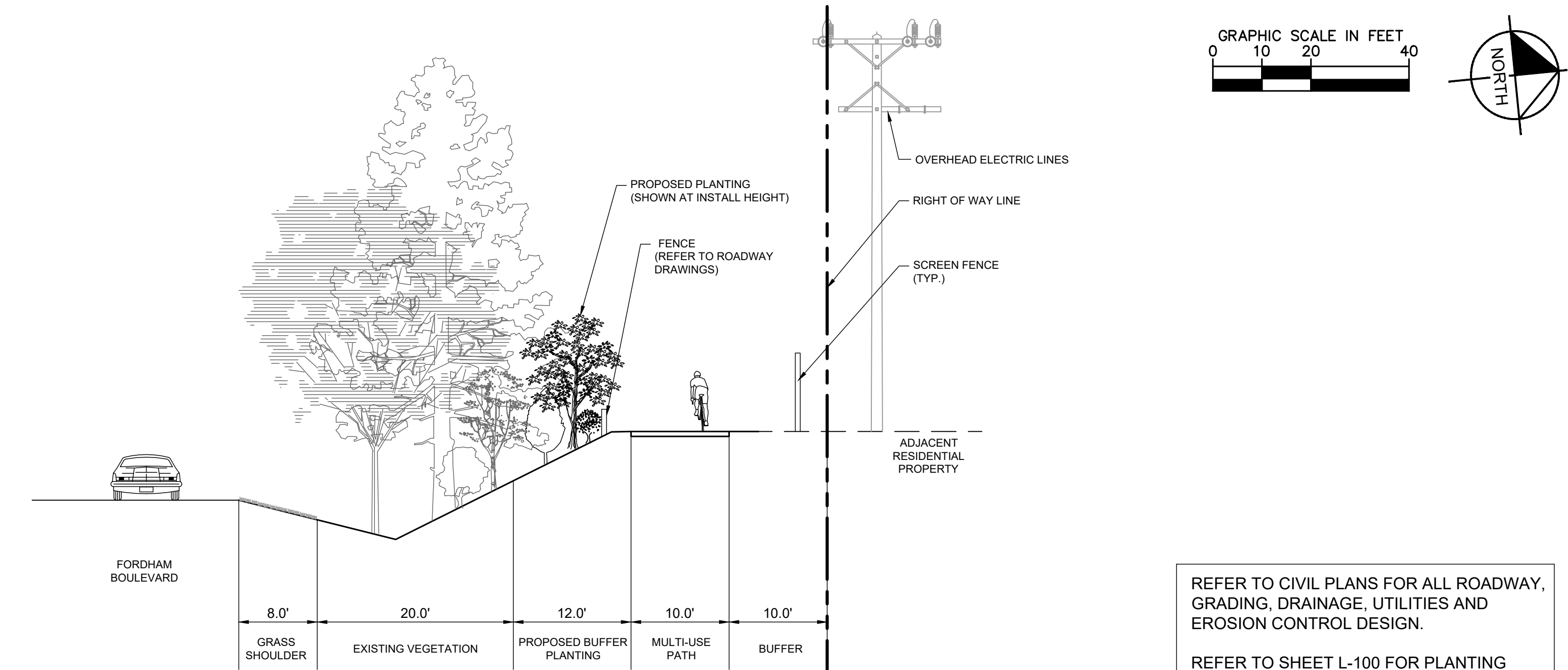
REVISIONS

SHRUBS REMOVED ALONG FENCE PER COMMENTS



PLANT SCHEDULE SHEET L-102

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	CAL.	HEIGHT
EVERGREEN TREES							
	IX	5	ILEX X 'MAGLAND' TM	OAKLAND HOLLY	CONT.		10'-12' HT.
	MGB	3	MAGNOLIA GRANDIFLORA 'BRACKENS BROWN BEAUTY'	BRACKEN'S SOUTHERN MAGNOLIA	B&B		10'-12' HT.
	TO	14	THUJA OCCIDENTALIS	AMERICAN ARBORVITAE	CONT.		10'-12' HT.
SHADE TREES							
	CCA	1	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	B&B	3" CAL.	10'-12' HT.
UNDERSTORY TREES							
	AA	4	AMELANCHIER ARBOREA	DOWNY SERVICEBERRY	B&B	2.5" CAL.	8'-10' HT.
	MV	2	MAGNOLIA VIRGINIANA	SWEET BAY	B&B	2.5" CAL.	8'-10' HT.



1 LANDSCAPED BUFFER SECTION
L-102 SCALE: 1" = 10'-0"

REFER TO CIVIL PLANS FOR ALL ROADWAY, GRADING, DRAINAGE, UTILITIES AND EROSION CONTROL DESIGN.

REFER TO SHEET L-100 FOR PLANTING NOTES AND SHEET L-200 FOR PLANTING DETAILS AND OVERALL PLANT SCHEDULE.

8/31/2021

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

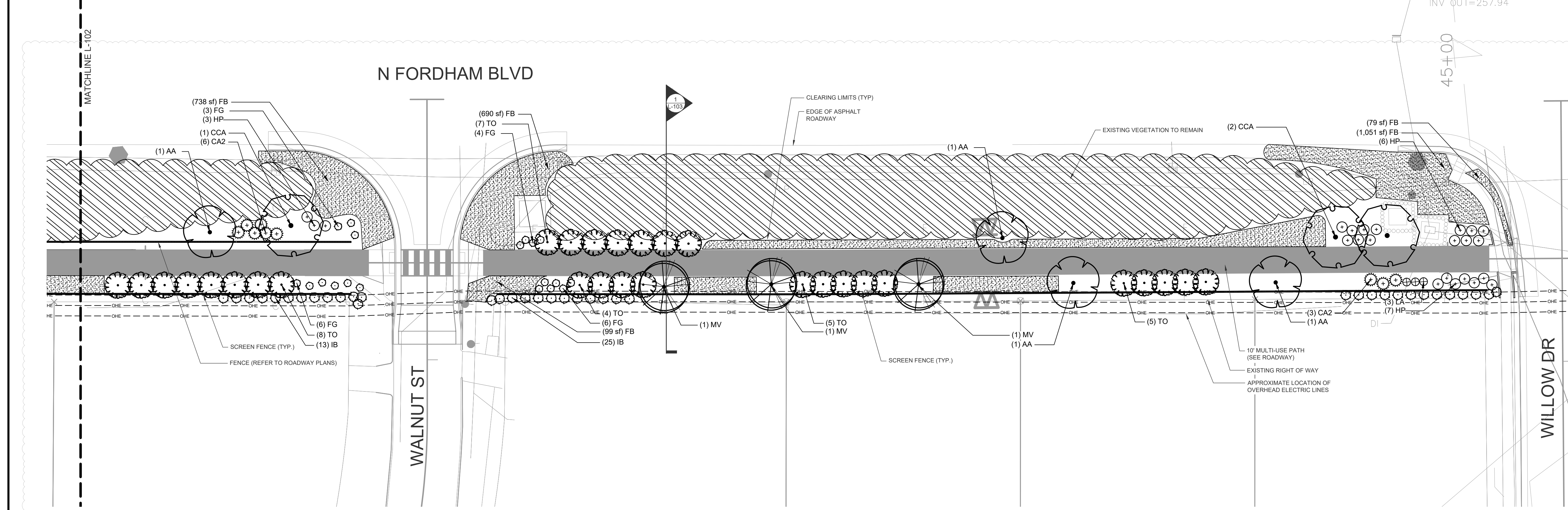
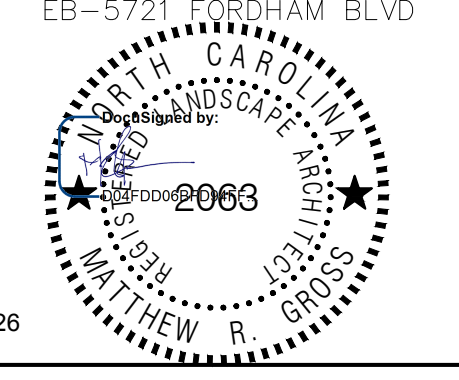
ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA) AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHJ). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATERSANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____

Kimley»Horn
©2026
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601
RIGHT-OF-WAY REV.
CONST. REV.

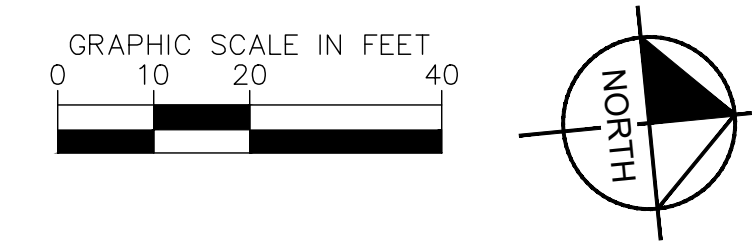
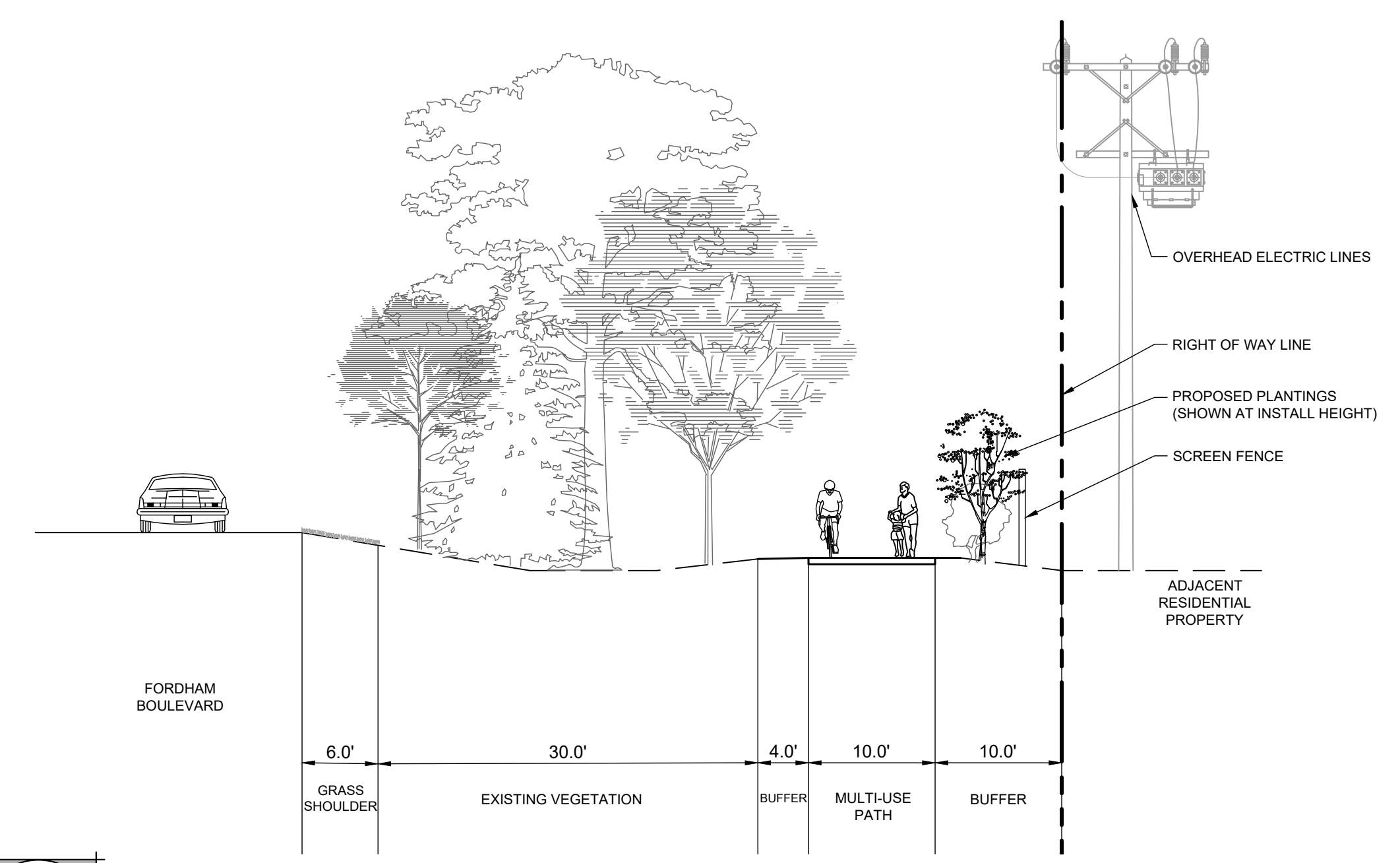
PROJECT REFERENCE NO. 011159024 SHEET NO. L-103
LANDSCAPE PLAN
EB-5721 FORDHAM BLVD
5/11/2026
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED
INV 001=257.94



REVISIONS
SHRUBS REMOVED ALONG FENCE PER COMMENTS

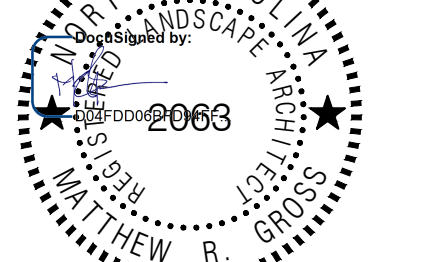
PLANT SCHEDULE L-103

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	CAL.	HEIGHT
EVERGREEN TREES							
TO	29	THUJA OCCIDENTALIS	AMERICAN ARBORVITAE	CONT.			10'-12' HT.
SHADE TREES							
CCA	3	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	B&B	3" CAL.		10'-12' HT.
UNDERSTORY TREES							
AA	4	AMELANCHIER ARBOREA	DOWNY SERVICEBERRY	B&B	2.5" CAL.		8'-10' HT.
MV	3	MAGNOLIA VIRGINIANA	SWEET BAY	B&B	2.5" CAL.		8'-10' HT.
SHRUBS							
CA2	9	CALLICARPA AMERICANA	AMERICAN BEAUTYBERRY	CONT.	18" MIN.		60" o.c.
FG	19	FOTHERGILLA GARDENII	DWARF FOTHERGILLA	CONT.	18" MIN.		36" o.c.
HP	23	HYPERICUM PROLIFICUM	SHRUBBY ST. JOHN'S WORT	CONT.	18" MIN.		48" o.c.
IB	38	ILEX CRENATA 'BENNETT'S COMPACTA'	BENNETT'S COMPACT HOLLY	CONT.	18" MIN.		48" o.c.
LA	3	LEUCOTHOE AXILLARIS	COASTAL LEUCOTHOE	CONT.	18" MIN.		36" o.c.
GROUND COVERS							
FB	4,300 SF	FESTUCA BREVIPILO	HARD FESCUE	SEED			



1
L-103 LANDSCAPED BUFFER SECTION
SCALE: 1" = 10'-0"

REFER TO CIVIL PLANS FOR ALL ROADWAY, GRADING, DRAINAGE, UTILITIES AND EROSION CONTROL DESIGN.
REFER TO SHEET L-100 FOR PLANTING NOTES AND SHEET L-200 FOR PLANTING DETAILS AND OVERALL PLANT SCHEDULE.



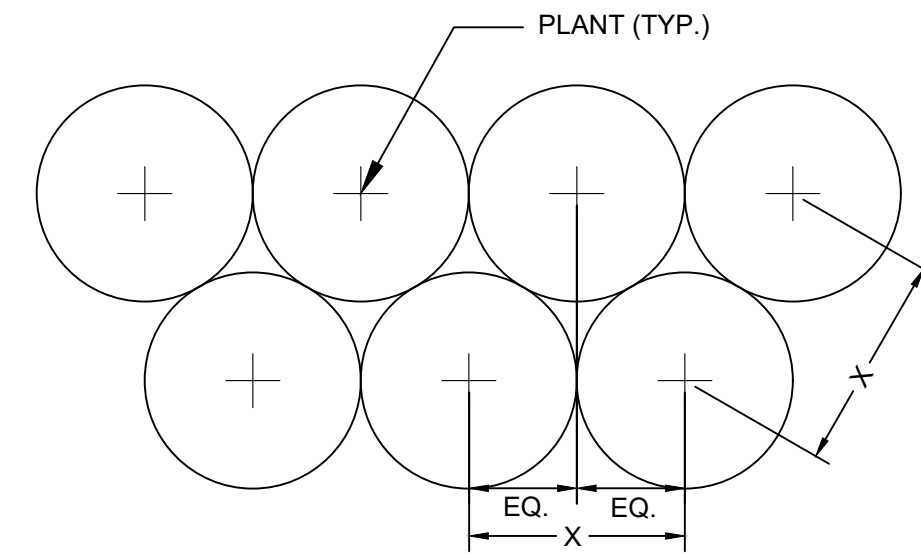
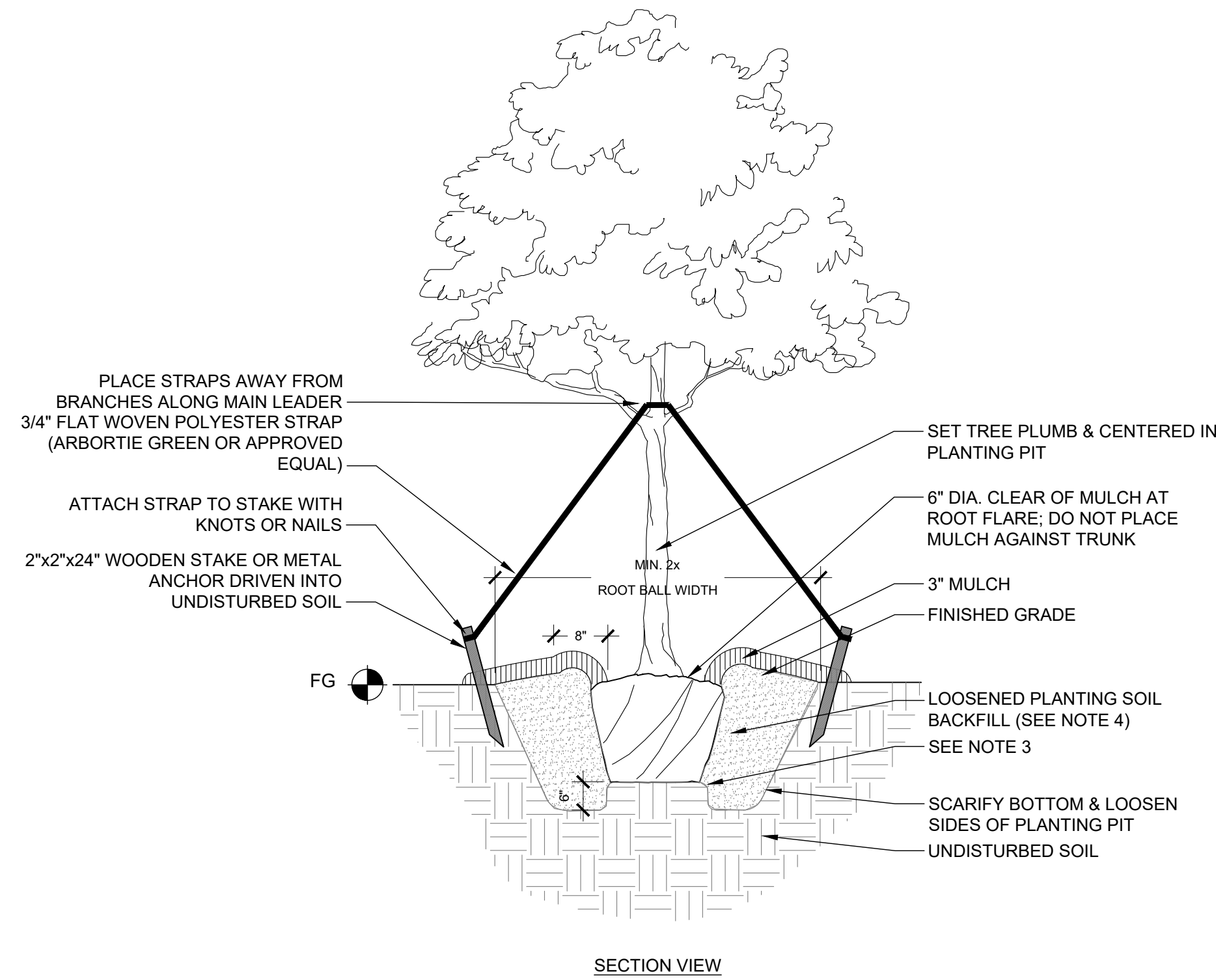
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (HAJ). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATERSANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS, SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____ DATE: _____

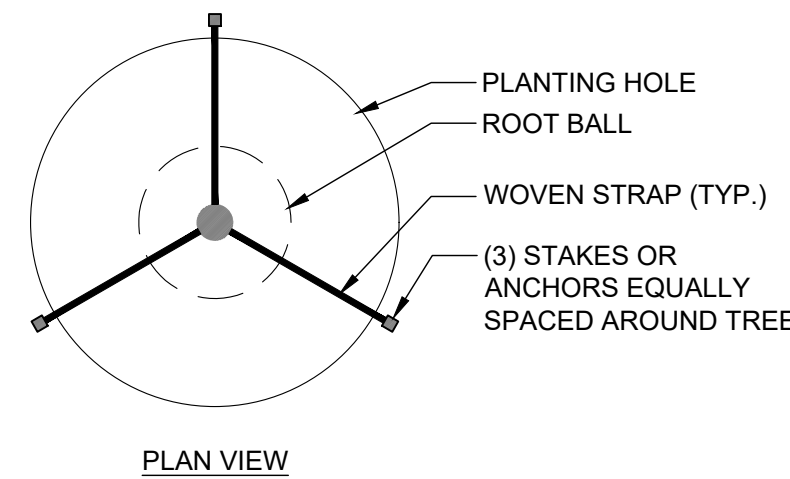


- PLANT SPACING NOTES:
- SEE PLANTING PLAN FOR GROUNDCOVER PLANTING AREAS.
 - PLANTS SHALL BE INSTALLED IN STRAIGHT AND PARALLEL ROWS UNLESS OTHERWISE SHOWN ON DRAWINGS.
 - SEE PLANT SCHEDULE FOR PLANT SPACING REQUIREMENTS ("X" DIMENSION IN THIS DETAIL).

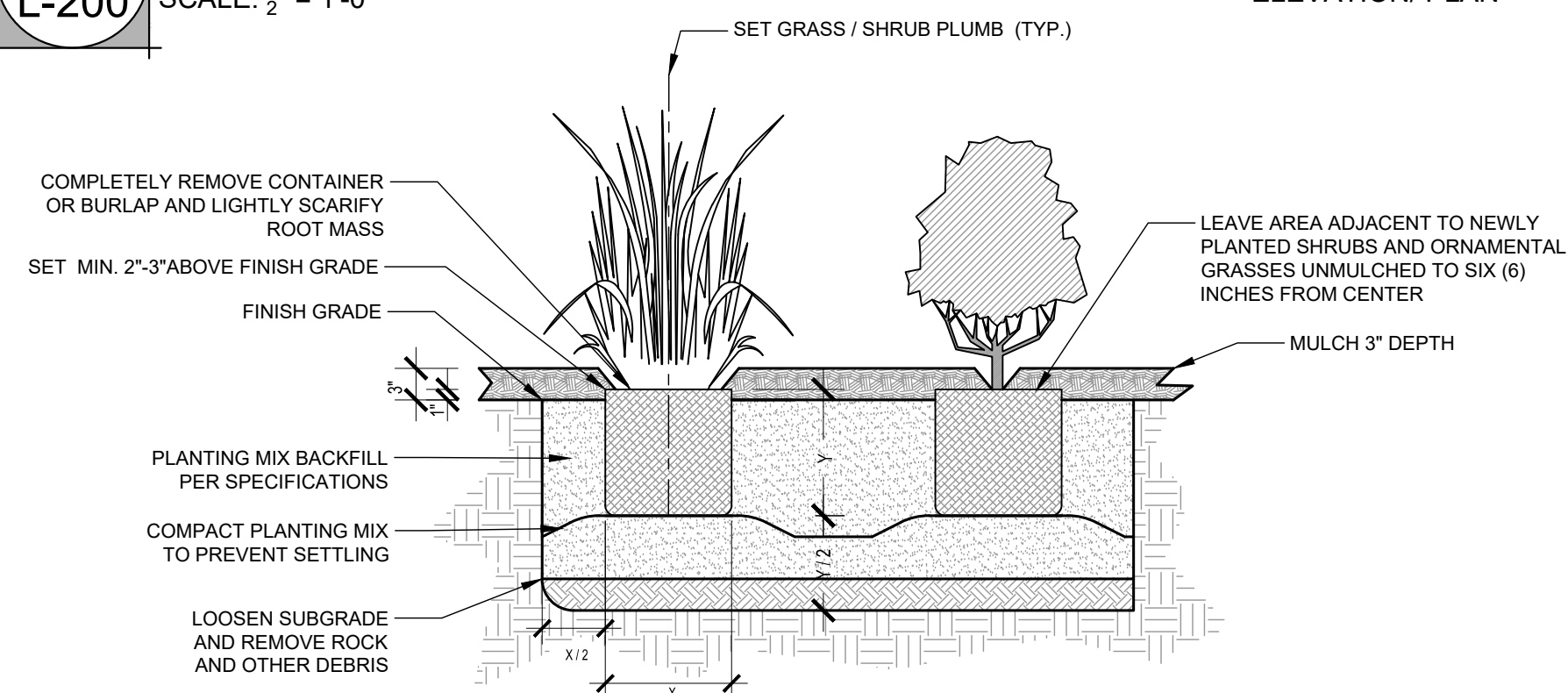
3 PLANT SPACING DETAIL (TRIANGULAR SPACING)
L-200 NTS SECTION

PLANTING NOTES:

- FOR CONTAINER PLANTS, REMOVE CONTAINER & SCARIFY ROOT MASS PRIOR TO PLANTING.
- FOR B&B PLANTS, COMPLETELY REMOVE TOP HALF OF WIRE BASKET AND BURLAP MATERIAL; REMOVE ALL TWINE, ROPE AND WIRE FROM ROOT BALL.
- SET ROOT BALL ON UNDISTURBED STABLE SUBSOIL SO THAT TOP OF ROOT BALL IS 2-3" ABOVE FINISHED GRADE. TAMP SOIL FIRMLY AROUND BOTTOM OF ROOT BALL TO SET TREE PLUMB.
- DIG & TURN PLANTING SOIL TO REDUCE COMPACTION. LIGHTLY TAMP SOIL AROUND ROOT BALL IN 6" LIFTS TO BRACE THE TREE. DO NOT OVER-COMPACT. MIX COMPOST INTO EACH LIFT OF BACKFILL AS RECOMMENDED IN SOIL REPORT. POUR WATER AROUND ROOT BALL TO SETTLE SOIL, AND BACKFILL AS REQUIRED TO MEET REQUIRED FINISHED GRADE.
- A 3" HIGH x 8" WIDE BERM SHALL BE MADE AROUND THE ROOT BALL EDGE.
- PRUNE TREES ONLY AS NEEDED TO REMOVE DEAD OR BROKEN BRANCHES.



1 TREE PLANTING DETAIL
L-200 SCALE: 1/2" = 1'-0" ELEVATION/ PLAN



GENERAL LANDSCAPE NOTES:

- ALL PLANT MATERIAL PRICING SHALL INCLUDE MULCH, BED PREPARATION, AND STAKING.
- ALL PLANTING BEDS SHALL RECEIVE 3" (THREE INCHES) OF MULCH.
- MULCH TYPE FOR PROJECT: DOUBLE SHREDED HARDWOOD DESIGNER MULCH IN DARK BROWN.
- PLANT MATERIAL SPACING SHOWN ON LANDSCAPE PLANS SHALL OVERRIDE TYPICAL PLANT SPACING INDICATED ON PLANT SCHEDULE. LANDSCAPE CONTRACTOR RESPONSIBLE FOR VERIFYING ALL PLANT SPACING AND MAKING MINOR FIELD ADJUSTMENTS DUE TO UTILITY CONFLICTS.
- ALL SHRUBS SHALL CONFORM TO THE STANDARDS SET FORTH IN THE MOST RECENT 'AMERICAN STANDARDS FOR NURSERY STOCK' PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN (A.A.N.)
- SOIL ANALYSIS SHALL BE OBTAINED PRIOR TO PLANTING. SOIL SHALL BE AMENDED AS RECOMMENDED BY CERTIFIED TESTING AGENCY.
- SEE PLAN FOR SPACING.

2 SHRUB AND ORNAMENTAL GRASS PLANTING DETAIL
L-200 SCALE: 3/4" = 1'-0" SECTION

OVERALL PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	CAL.	HEIGHT	SPACING
EVERGREEN TREES								
	IO	7	ILEX OPACA	AMERICAN HOLLY	B&B		10'-12' HT.	
	IX	18	ILEX X 'MAGLAND' TM	OAKLAND HOLLY	CONT.		10'-12' HT.	
	MGB	12	MAGNOLIA GRANDIFLORA 'BRACKENS BROWN BEAUTY'	BRACKEN'S SOUTHERN MAGNOLIA	B&B		10'-12' HT.	
	TO	57	THUJA OCCIDENTALIS	AMERICAN ARBORVITAE	CONT.		10'-12' HT.	
SHADE TREES								
	CCA	11	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	B&B	3" CAL	10'-12' HT.	
UNDERSTORY TREES								
	AA	15	AMELANCHIER ARBOREA	DOWNY SERVICEBERRY	B&B	2.5" CAL	8'-10' HT.	
	MV	15	MAGNOLIA VIRGINIANA	SWEET BAY	B&B	2.5" CAL	8'-10' HT.	
SHRUBS								
	CA2	13	CALLICARPA AMERICANA	AMERICAN BEAUTYBERRY	CONT.	18" MIN.	60" o.c.	
	FG	30	FOTHERGILLA GARDENII	DWARF FOTHERGILLA	CONT.	18" MIN.	36" o.c.	
	HP	25	HYPERICUM PROLIFICUM	SHRUBBY ST. JOHN'S WORT	CONT.	18" MIN.	48" o.c.	
	IB	49	ILEX CRENATA 'BENNETT'S COMPACTA'	BENNETT'S COMPACT HOLLY	CONT.	18" MIN.	48" o.c.	
	LA	6	LEUCOTHOE AXILLARIS	COASTAL LEUCOTHOE	CONT.	18" MIN.	36" o.c.	
GROUND COVERS								
	FB	10,878 SF	FESTUCA BREVIPIILA	HARD FESCUE	SEED			

REVISIONS

SHRUBS REMOVED ALONG FENCE PER COMMENTS

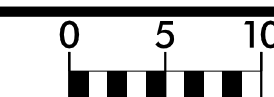
8/23/99
K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\KSC-EB-5721_Ldy_xpl_L.dgn
4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

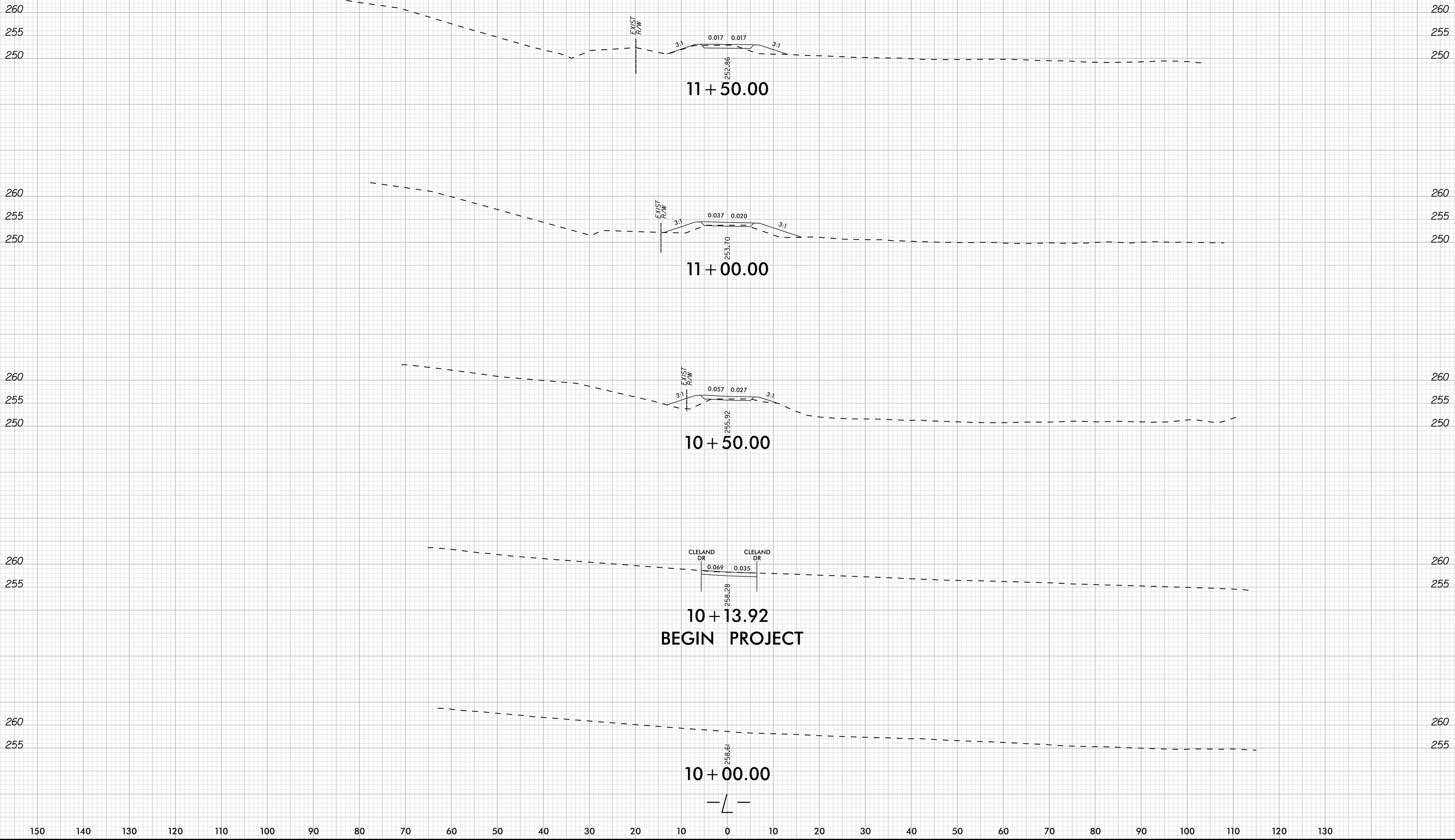
THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS SUBSEQUENT TO SUCH APPROVAL IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE:
DATE:



PROJ. REFERENCE NO.
EB-5721

SHEET NO.
X-1



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

8/23/99
K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\XSC\EB-5721_Ldy_xpl_L.dgn
4/14/2026

260
255
250
245

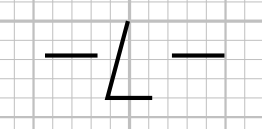
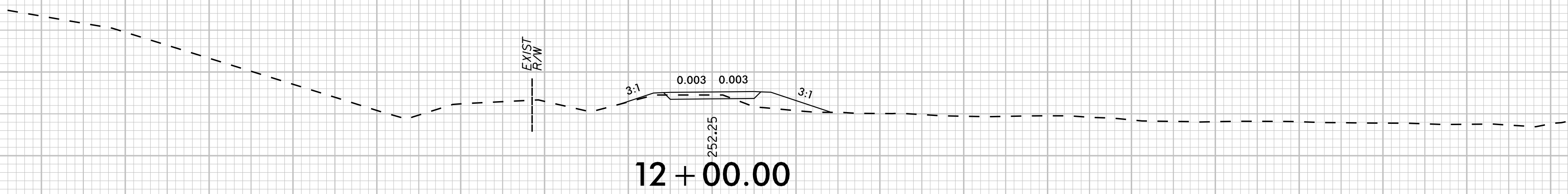
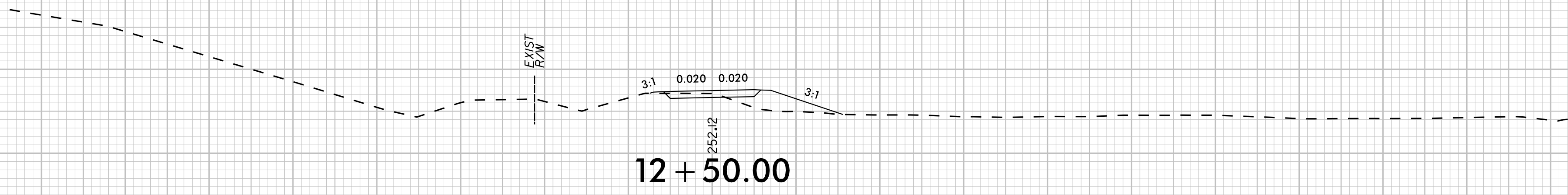
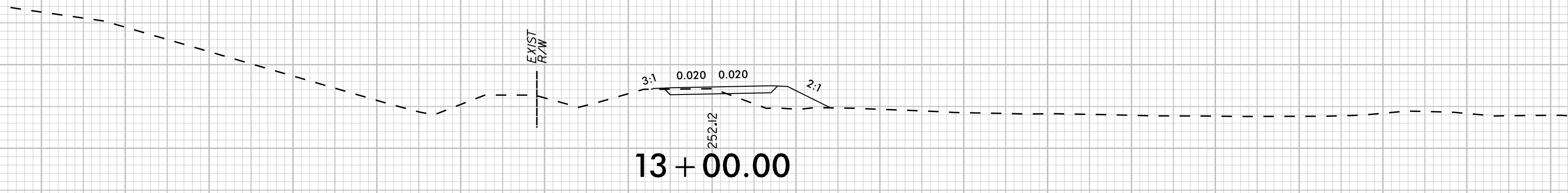
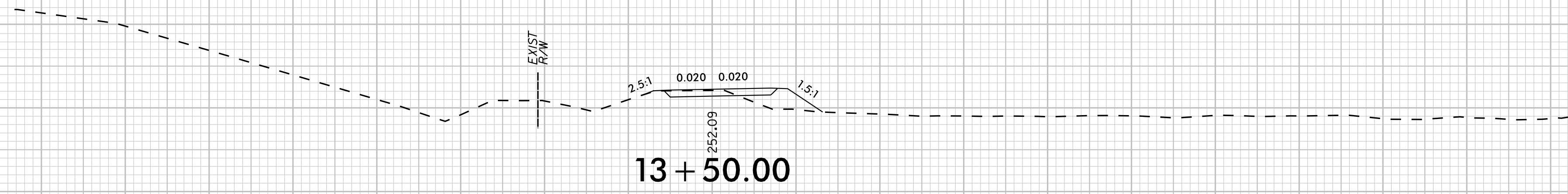
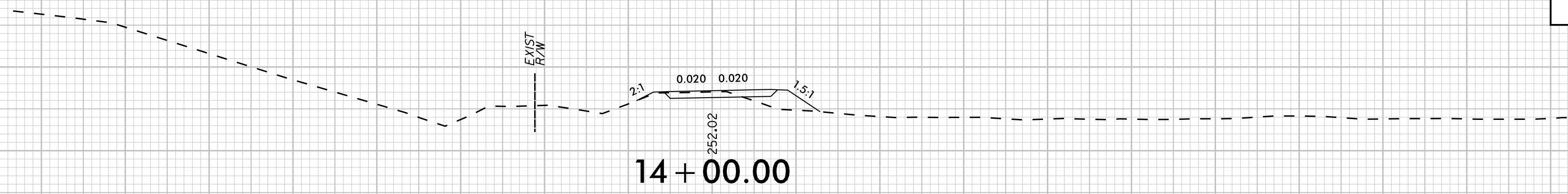
TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS SUBSEQUENT TO SUCH APPROVAL IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA. PORTION OF THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE:
DATE:

0 5 10	PROJ. REFERENCE NO. EB-5721	SHEET NO. X-260
--------	--------------------------------	--------------------



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

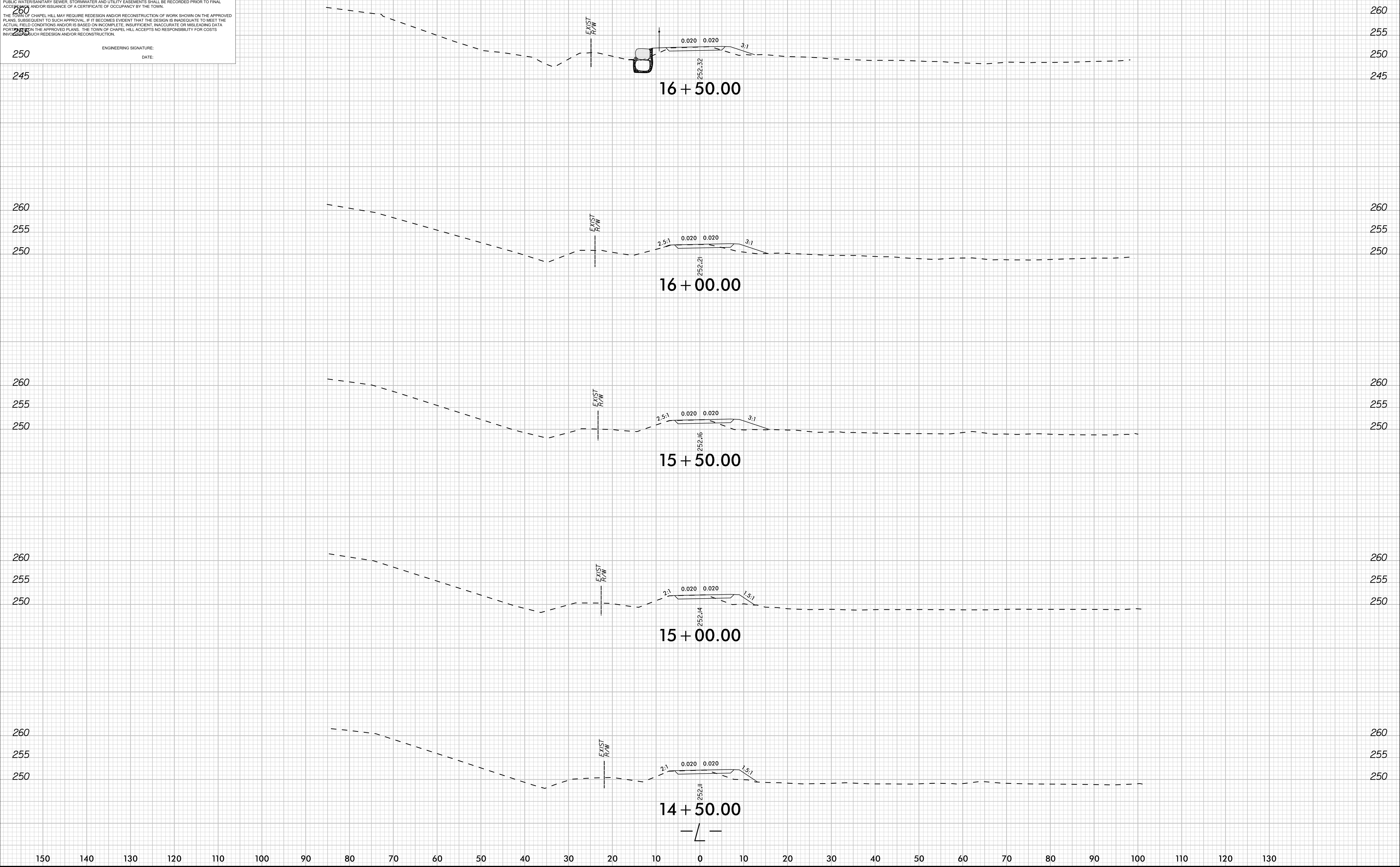
8/23/99
K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\KSC-EB-5721_Ldy_xpl_L.dgn
4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS SUBSEQUENT TO SUCH APPROVAL IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA. PORTION ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____



8/23/99
K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\XSC-EB-5721_Ldy_xpl_L.dgn
4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS SUBSEQUENT TO SUCH APPROVAL IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA. PORTION OF THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

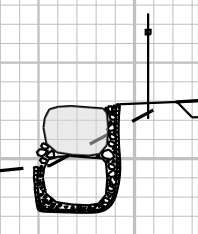
ENGINEERING SIGNATURE:
DATE:

0 5 10	PROJ. REFERENCE NO. EB-5721	SHEET NO. X-4
--------	--------------------------------	------------------

255

250

EXIST
R/W



19 + 00.00

0.020 0.020 3:1

253.37

260

255

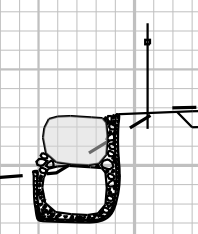
250

260

255

250

EXIST
R/W



18 + 50.00

0.020 0.020 3:1

253.16

260

255

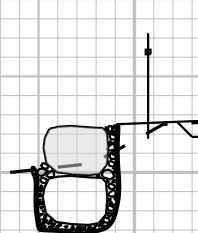
250

260

255

250

EXIST
R/W



18 + 00.00

0.020 0.020 3:1

252.94

260

255

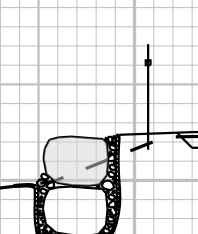
250

260

255

250

EXIST
R/W



17 + 50.00

0.020 0.020 3:1

252.41

260

255

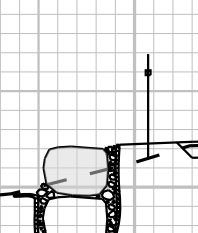
250

260

255

250

EXIST
R/W



17 + 00.00

0.020 0.020 3:1

252.34

260

255

250

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

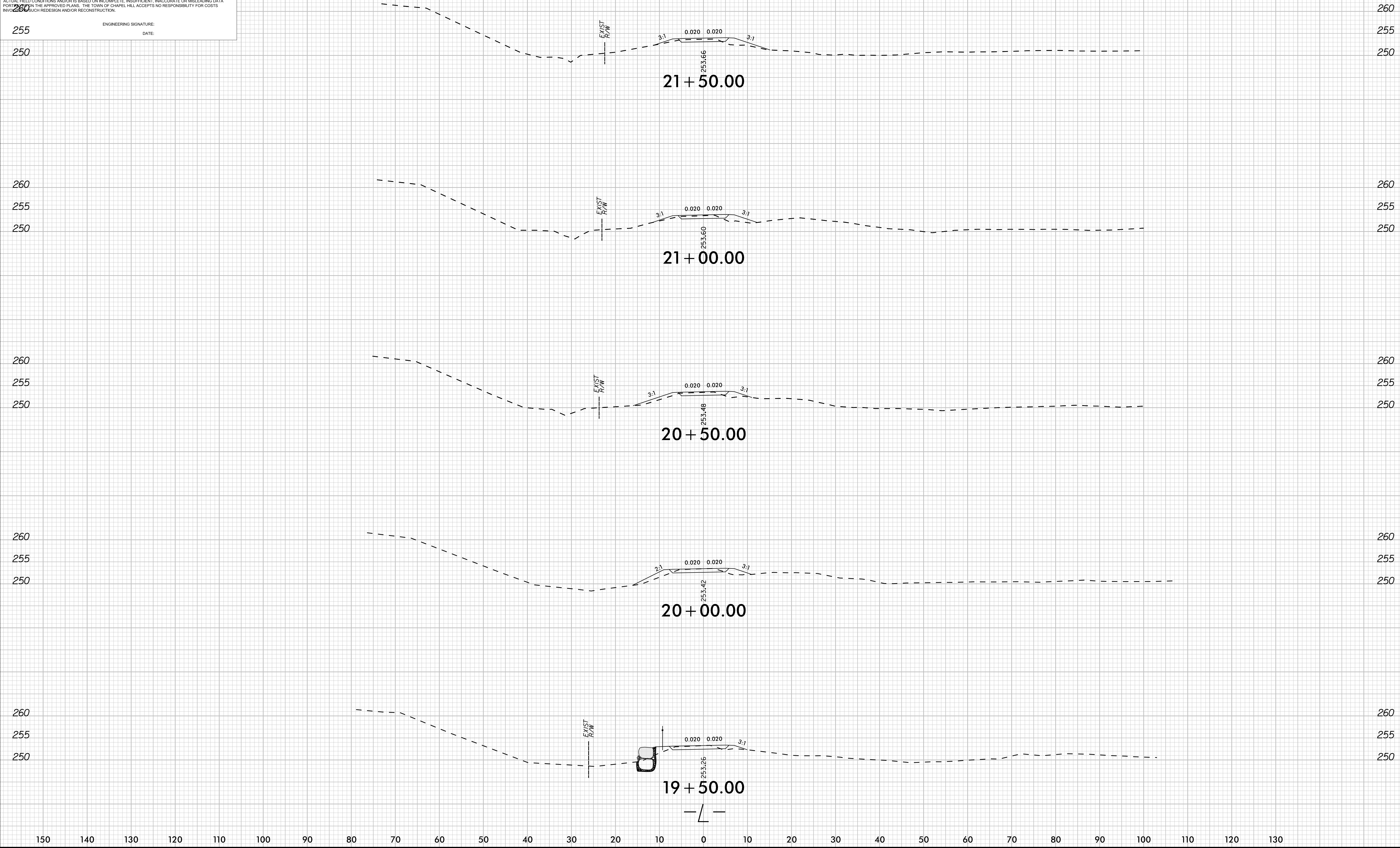
8/23/99
K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\KSC-EB-5721_Ldy_xpl_L.dgn
4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA. PORTION OF THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____



8/23/99
K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\XSC-EB-5721_L_cdy_xpl_L.dgn
4/14/2026

0 5 10 [Scale Bar]	PROJ. REFERENCE NO. EB-5721	SHEET NO. X-6
-----------------------	--------------------------------	------------------

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA. PORTION OF THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE:
DATE:



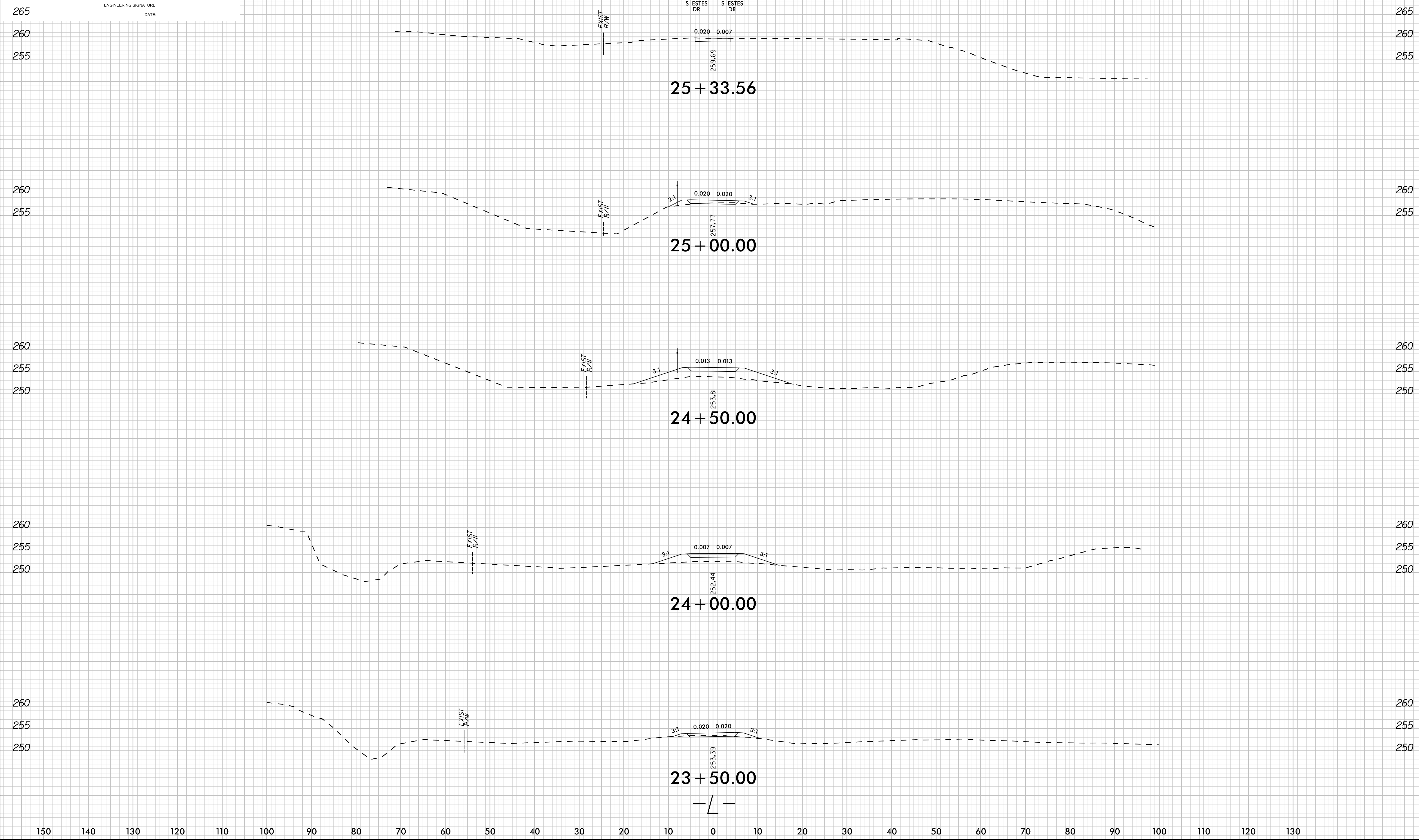
8/23/99
K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\XSC-EB-5721_Ldy_xpl_L.dgn
4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS SUBSEQUENT TO SUCH APPROVAL, IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE: _____
DATE: _____



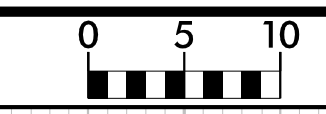
8/23/99
K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\KSC-EB-5721_Ldy_xpl_L.dgn
4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

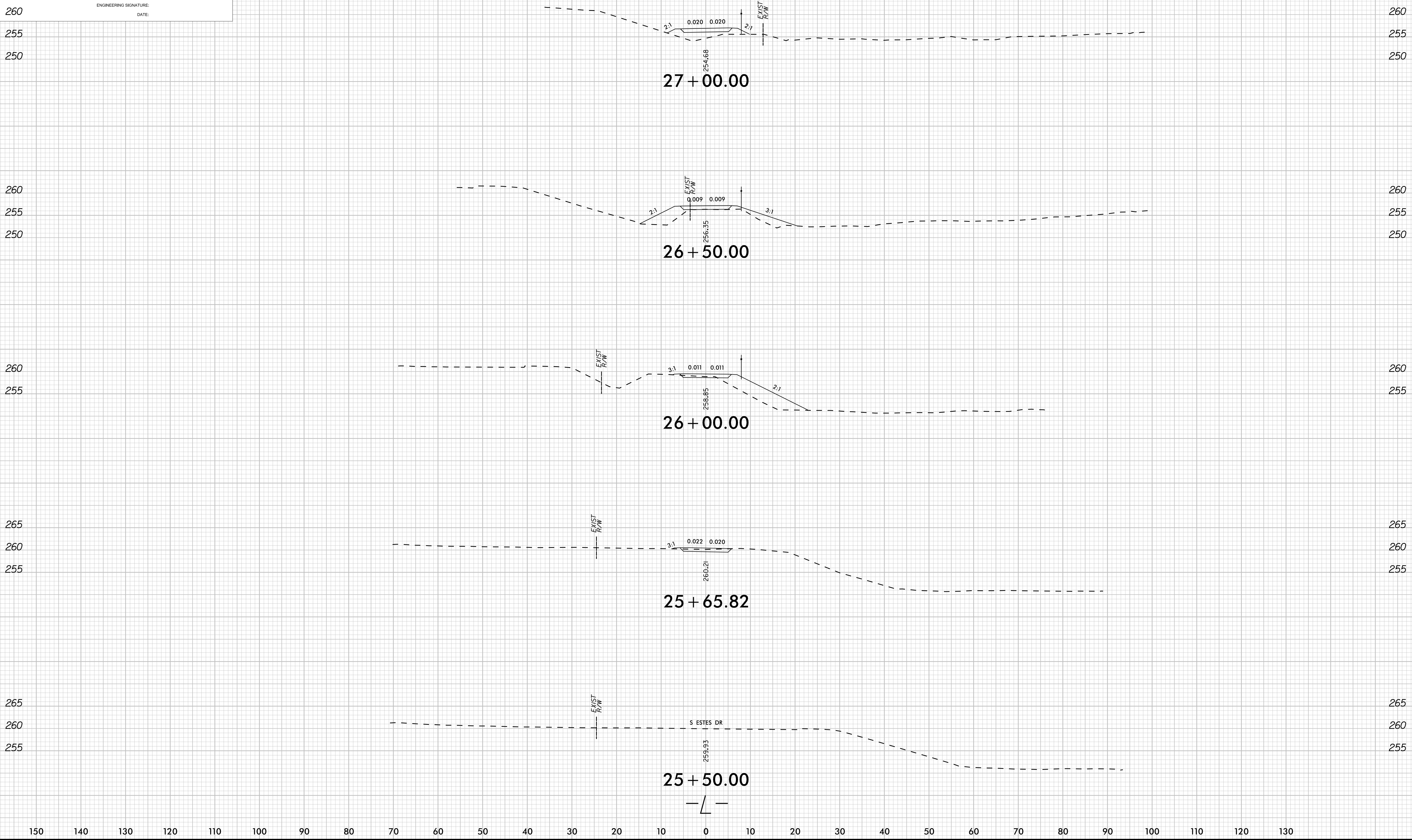
THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS SUBSEQUENT TO SUCH APPROVAL IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE:
DATE:



PROJ. REFERENCE NO.
EB-5721

SHEET NO.
X-8



8/23/99

K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\KSC-EB-5721_Ldy_xpl_L.dgn

4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS SUBSEQUENT TO SUCH APPROVAL IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE:
DATE:

270

265

260

270

265

260

265

260

265

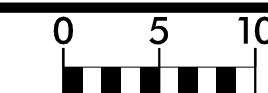
260

255

265

260

255



PROJ. REFERENCE NO.
EB-5721

SHEET NO.
X-9

RIDGEFIELD RD

0.012 0.025

262.71

28 + 80.16

RIDGEFIELD RD

0.030 0.030

262.54

28 + 51.01

0.030 0.030

262.53

28 + 50.00

3:1 0.020 0.020 3:1
261.54
28 + 00.00

EXIST
R/W

2:1 0.020 0.020 3:1
257.76
27 + 50.00

EXIST
R/W

270

265

260

270

265

260

265

260

265

260

255

265

260

255

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

8/23/99

K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\KSC-EB-5721_Ldy_xpl_L.dgn

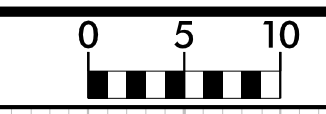
4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

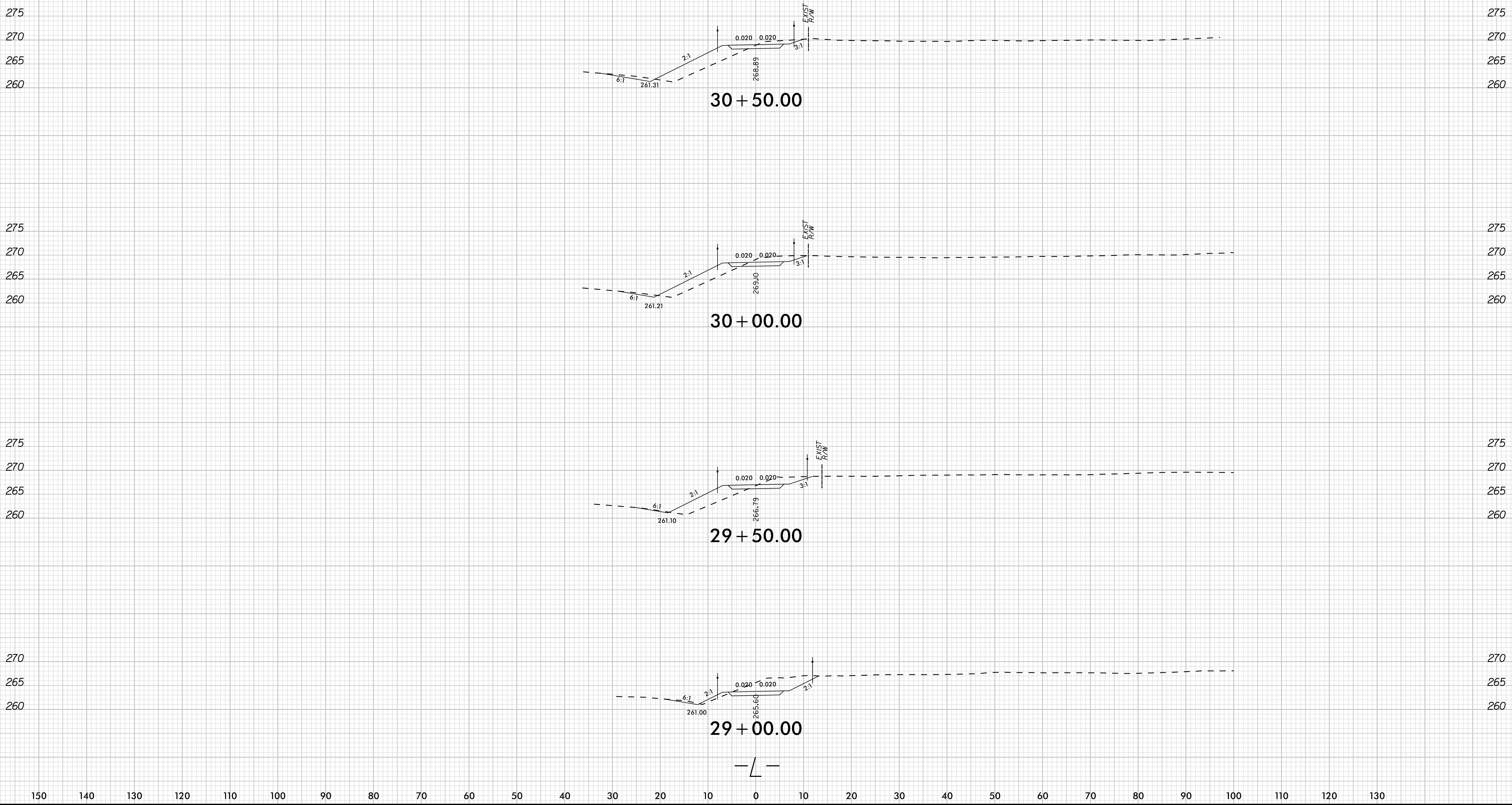
THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS SUBSEQUENT TO SUCH APPROVAL IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE:
DATE:



PROJ. REFERENCE NO.
EB-5721

SHEET NO.
X-10

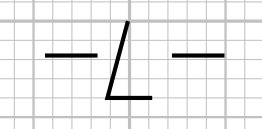


30 + 50.00

30 + 00.00

29 + 50.00

29 + 00.00



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

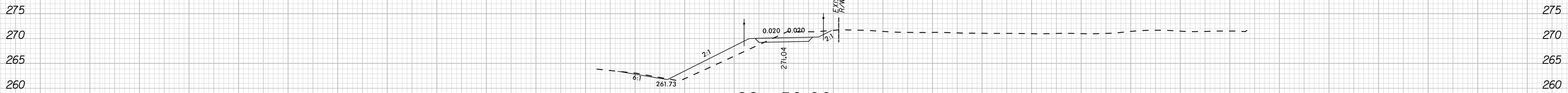
8/23/99

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

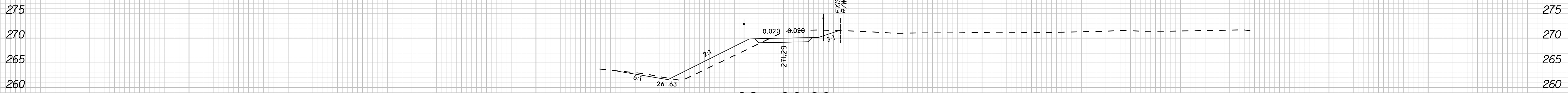
ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS SUBSEQUENT TO SUCH APPROVAL IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

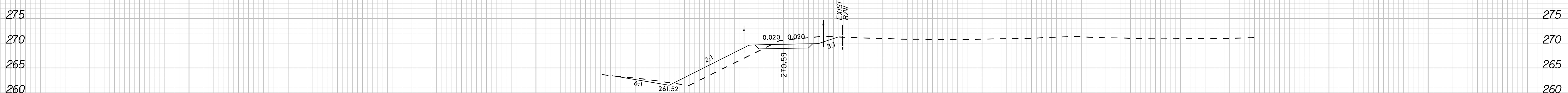
ENGINEERING SIGNATURE:
DATE:



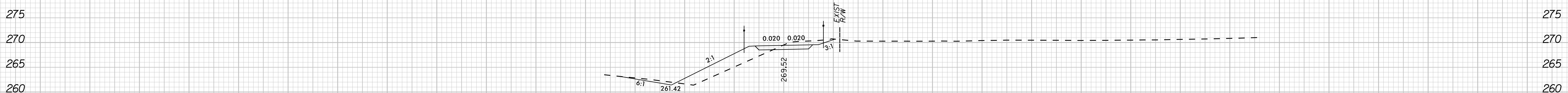
32 + 50.00



32 + 00.00



31 + 50.00



31 + 00.00

-L-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\XSC-EB-5721_L_cdy_xpl_L.dgn

4/14/2026

8/23/99

K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\XSC-EB-5721_Lcdy_xpl_L.dgn

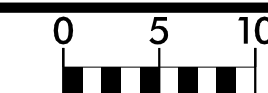
4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

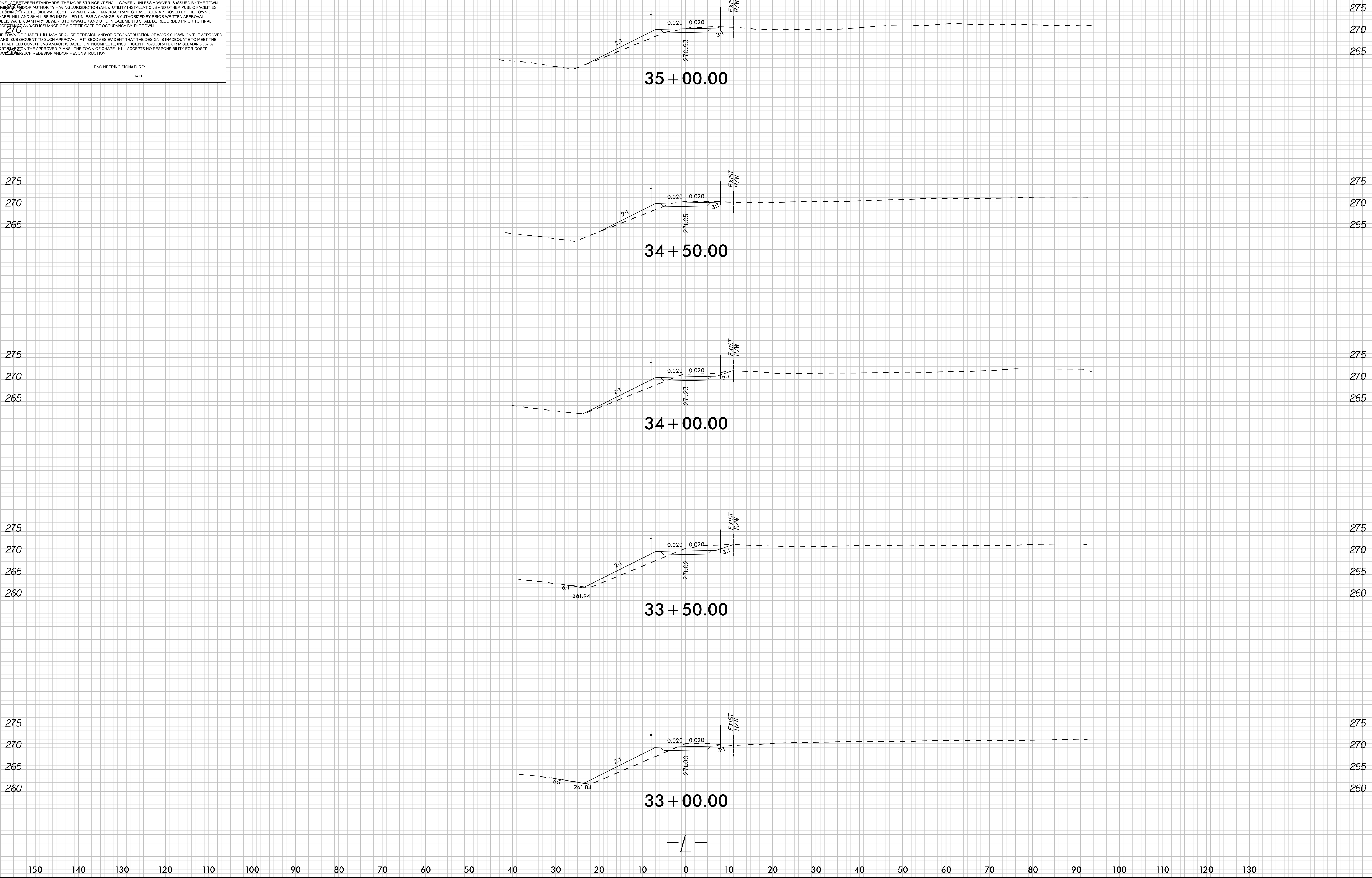
THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS SUBSEQUENT TO SUCH APPROVAL IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA. PORTION OF THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE:
DATE:



PROJ. REFERENCE NO.
EB-5721

SHEET NO.
X-12



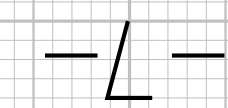
35 + 00.00

34 + 50.00

34 + 00.00

33 + 50.00

33 + 00.00



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

8/23/99

K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\XSC-EB-5721_L_cdy_xpl_L.dgn

4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS SUBSEQUENT TO SUCH APPROVAL IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA. PORTION OF THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE:
DATE:

270

265

275

270

265

275

270

265

275

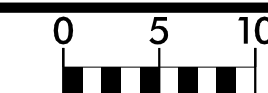
270

265

275

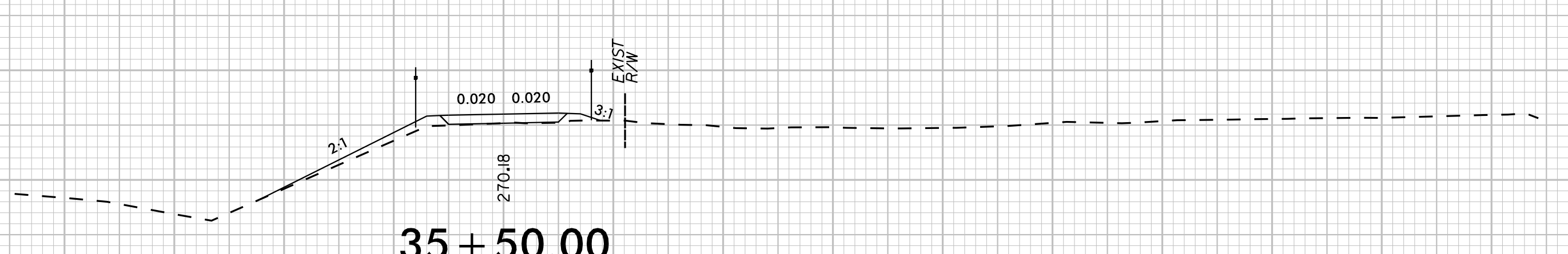
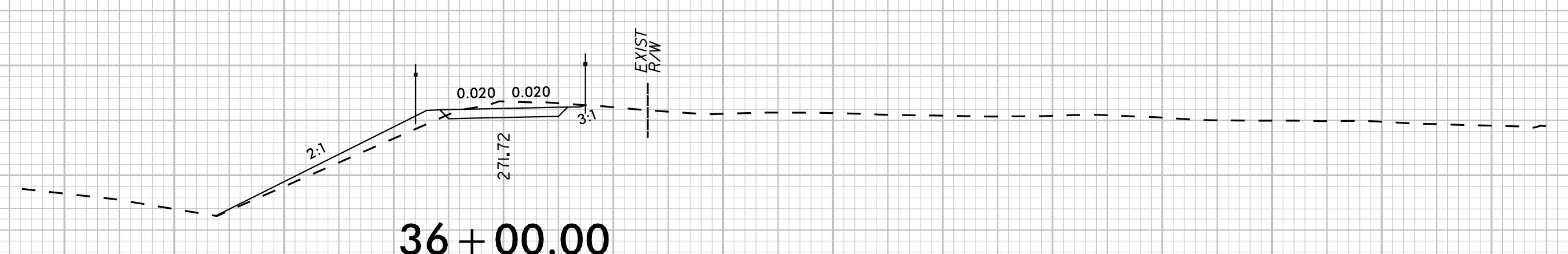
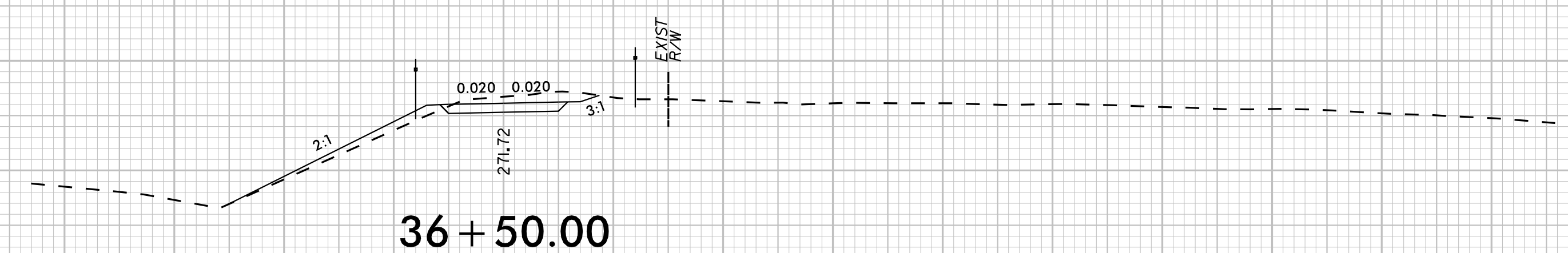
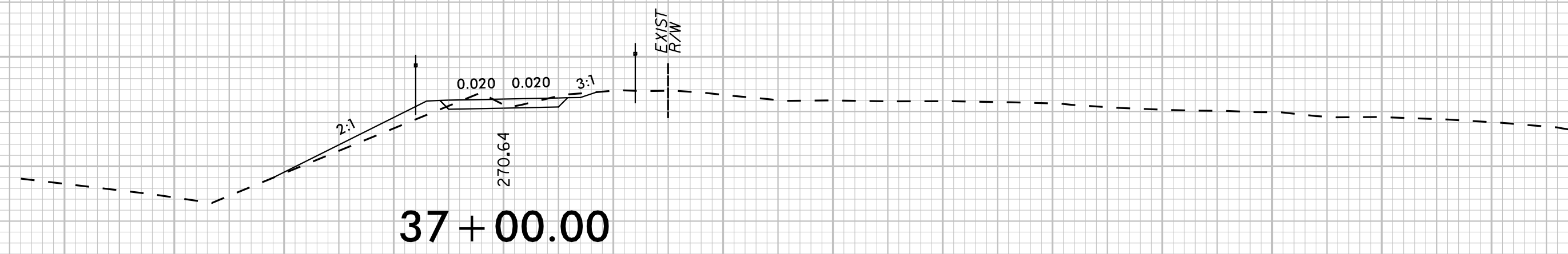
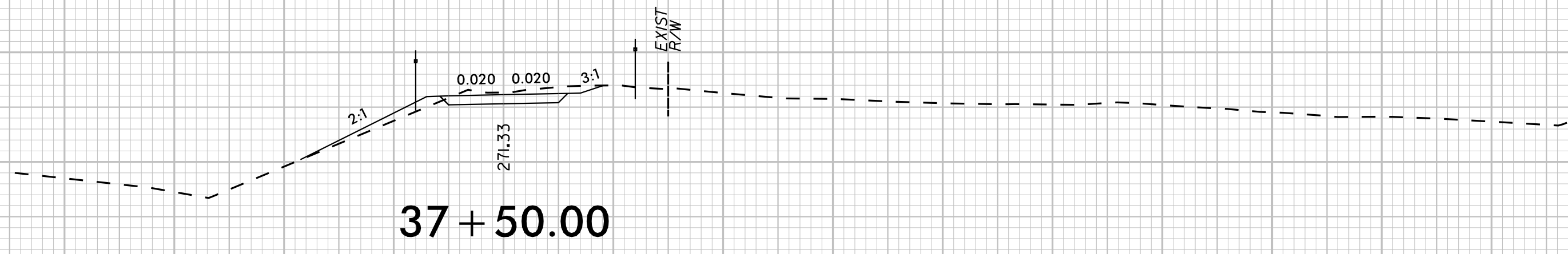
270

265



PROJ. REFERENCE NO.
EB-5721

SHEET NO.
X-13



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

8/23/99

K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\KSC-EB-5721_Ldy_xpl_L.dgn

4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

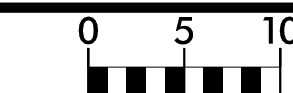
ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS SUBSEQUENT TO SUCH APPROVAL IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA. PORTION OF THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

270

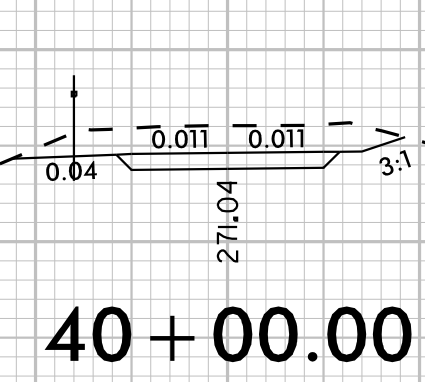
ENGINEERING SIGNATURE:
DATE:

265

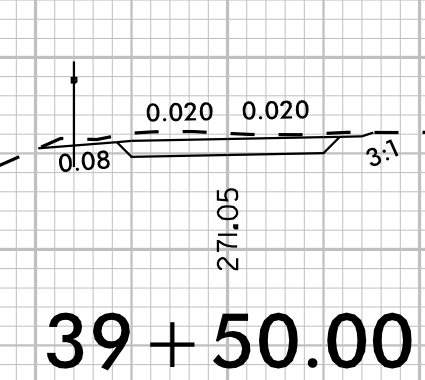


PROJ. REFERENCE NO.
EB-5721

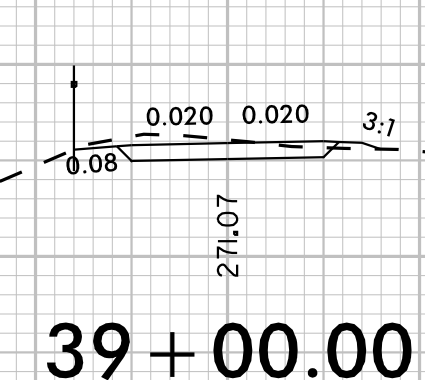
SHEET NO.
X-14



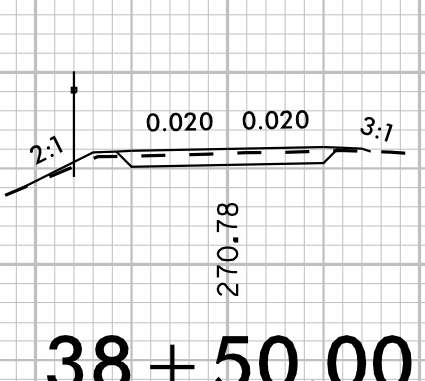
275
270
265



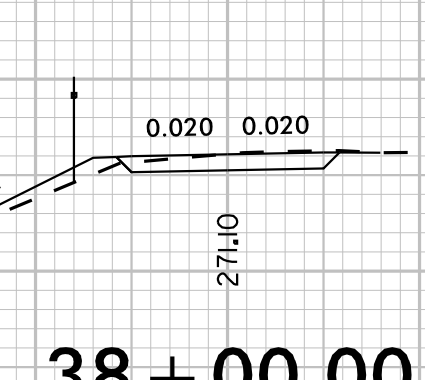
275
270
265



275
270
265



275
270
265



275
270
265

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

8/23/99

K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\XSC-EB-5721_Ldy_xpl_L.dgn

4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS SUBSEQUENT TO SUCH APPROVAL IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE:
DATE:

265

260

270

265

260

265

260

270

265

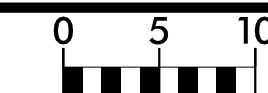
260

275

270

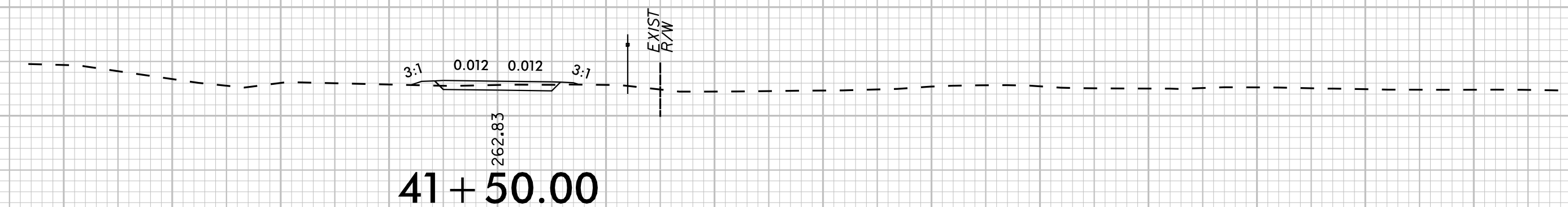
265

260

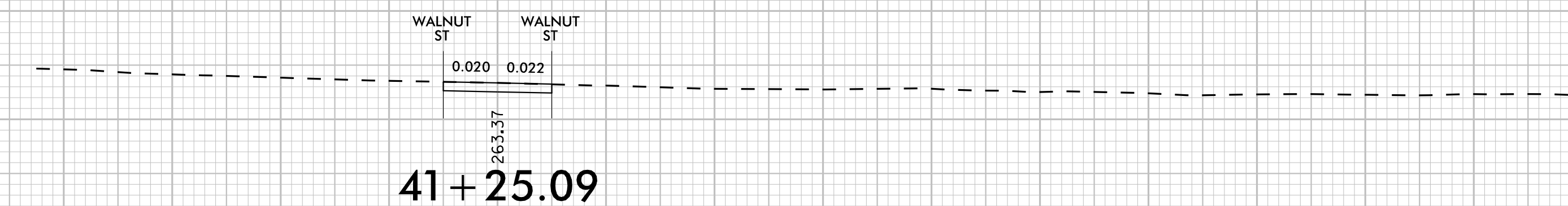


PROJ. REFERENCE NO.
EB-5721

SHEET NO.
X-15



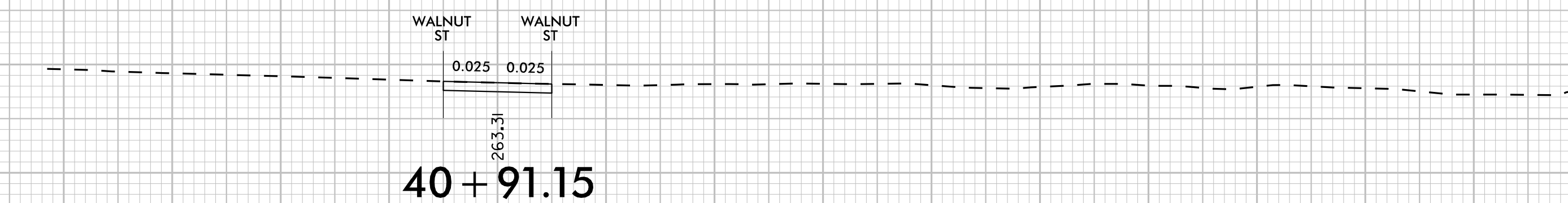
41 + 50.00



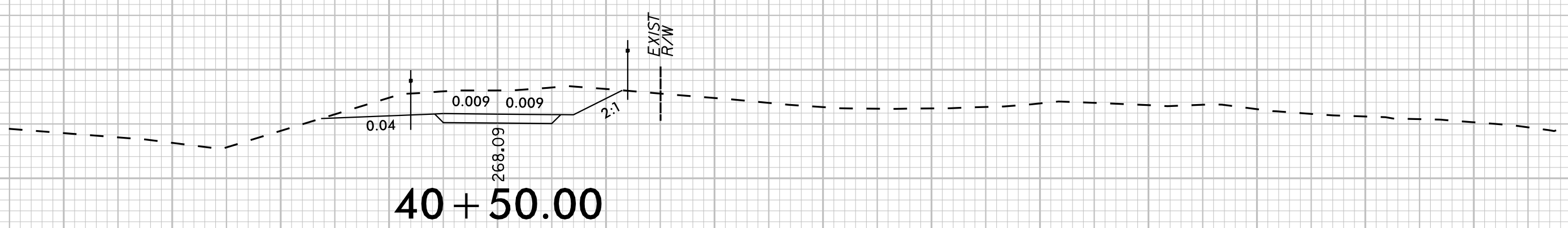
41 + 25.09



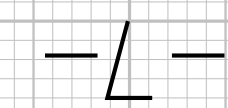
41 + 00.00



40 + 91.15



40 + 50.00



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

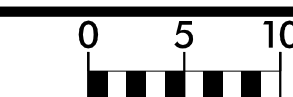
8/23/99
K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\KSC-EB-5721_Lcdy_xpl_L.dgn
4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

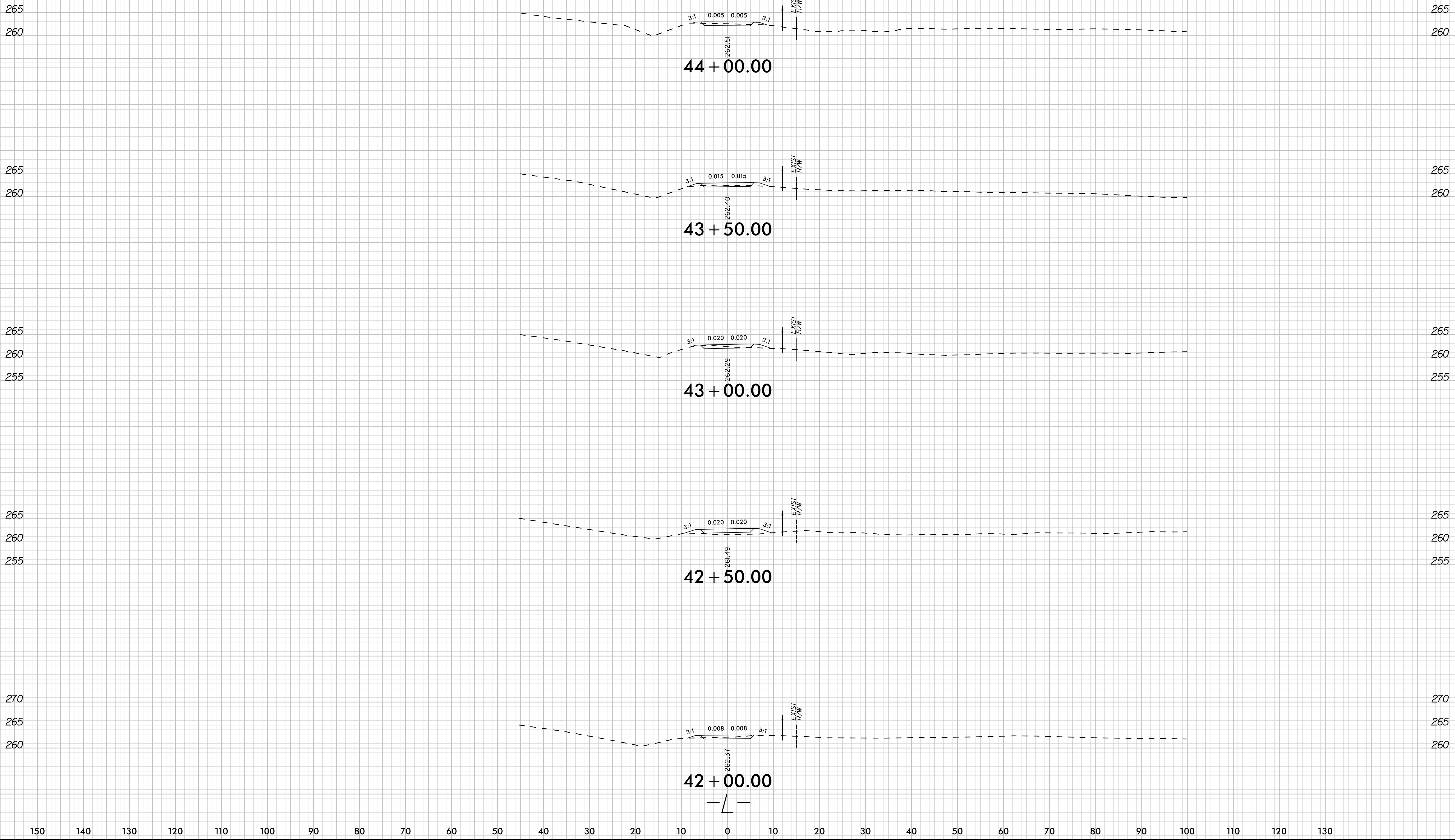
THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS SUBSEQUENT TO SUCH APPROVAL IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE:
DATE:



PROJ. REFERENCE NO.
EB-5721

SHEET NO.
X-16



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

8/23/99
K:\PAL_Roadway\01159024 - EB-5721\Fordham Blvd\Plan\KSC-EB-5721_Ldy_xpl_L.dgn
4/14/2026

TOWN OF CHAPEL HILL
CONSTRUCTION PLAN APPROVAL

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, ORANGE WATER AND SEWER AUTHORITY (OWASA), AND NCDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT SHALL GOVERN UNLESS A WAIVER IS ISSUED BY THE TOWN ENGINEER AND/OR AUTHORITY HAVING JURISDICTION (AHL). UTILITY INSTALLATIONS AND OTHER PUBLIC FACILITIES, INCLUDING STREETS, SIDEWALKS, STORMWATER AND HANDICAP RAMPS, HAVE BEEN APPROVED BY THE TOWN OF CHAPEL HILL AND SHALL BE SO INSTALLED UNLESS A CHANGE IS AUTHORIZED BY PRIOR WRITTEN APPROVAL. PUBLIC WATER/SANITARY SEWER, STORMWATER AND UTILITY EASEMENTS SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE TOWN.

THE TOWN OF CHAPEL HILL MAY REQUIRE REDESIGN AND/OR RECONSTRUCTION OF WORK SHOWN ON THE APPROVED PLANS SUBSEQUENT TO SUCH APPROVAL IF IT BECOMES EVIDENT THAT THE DESIGN IS INADEQUATE TO MEET THE ACTUAL FIELD CONDITIONS AND/OR IS BASED ON INCOMPLETE, INSUFFICIENT, INACCURATE OR MISLEADING DATA PORTRAYED ON THE APPROVED PLANS. THE TOWN OF CHAPEL HILL ACCEPTS NO RESPONSIBILITY FOR COSTS INVOLVED IN SUCH REDESIGN AND/OR RECONSTRUCTION.

ENGINEERING SIGNATURE:
DATE:

