

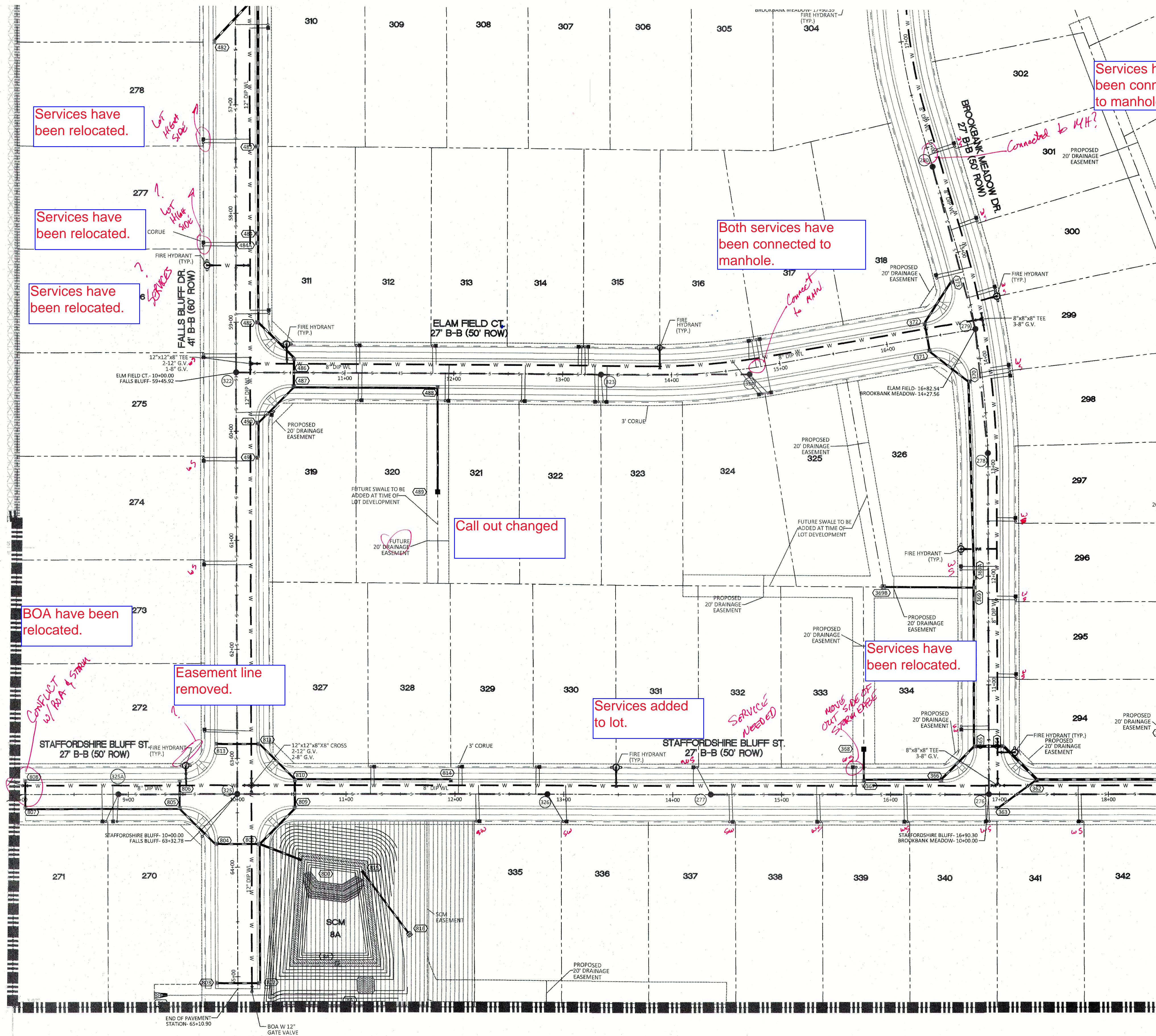
UTILITIES LEGEND	
	EXISTING BOUNDARY
	EXISTING WETLANDS
	EXISTING 50' NEUSE RIPARIAN BUFFER
	EXISTING BUFFER ZONES
	PROPOSED LOT LINE
	PROPOSED ROW
	PROPOSED SIDEWALK
	PROPOSED BOC
	PROPOSED EOP
	PROPOSED CENTERLINE
	PROPOSED EASEMENT
	PHASELINE
	RIP RAP
	SEDIMENT BASIN WEIR
	JUNCTION BOX
	PROPOSED CATCH BASIN
	PROPOSED YARD INLET
	PROPOSED DROP INLET
	PROPOSED FLARED END SECTION
	PROPOSED WATER METER
	PROPOSED SEWER SERVICE
	PROPOSED MANHOLE
	PROPOSED FIRE HYDRANT
	PROPOSED WATER VALVE
	PROPOSED WATER REDUCER
	PROPOSED SEWER LINE
	PROPOSED WATER LINE
	PROPOSED STORM WATER
	EXISTING WETLANDS AREA
	OPEN SPACE
	FUTURE PHASING
	EXISTING PHASING

NO.	DATE	REVISION

**STIPULATION FOR REUSE**  
 THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

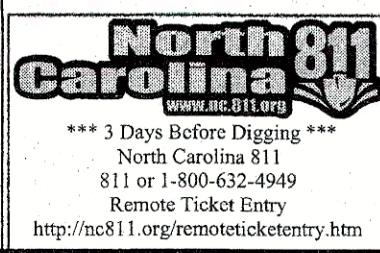
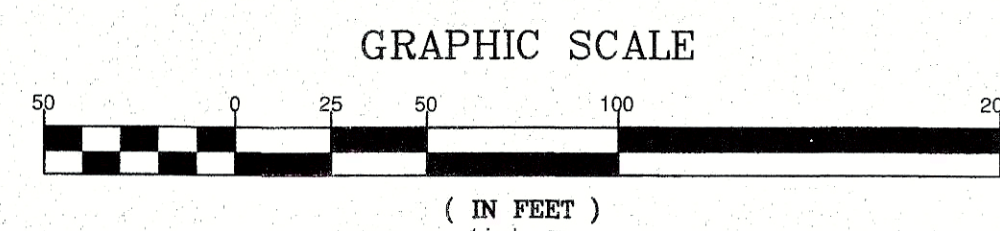
**KALAS FALLS PHASE 3**  
 1832 ROLESVILLE ROAD  
 WAKE COUNTY, NC

JOB NUMBER: 9900  
 CHECKED BY:  
 DRAWN BY:  
 DATE: FEB 18, 2021  
 SHEET TITLE: **PHASE 3 UTILITY PLAN (50 SCALE)**  
 SHEET NO.: 6.3

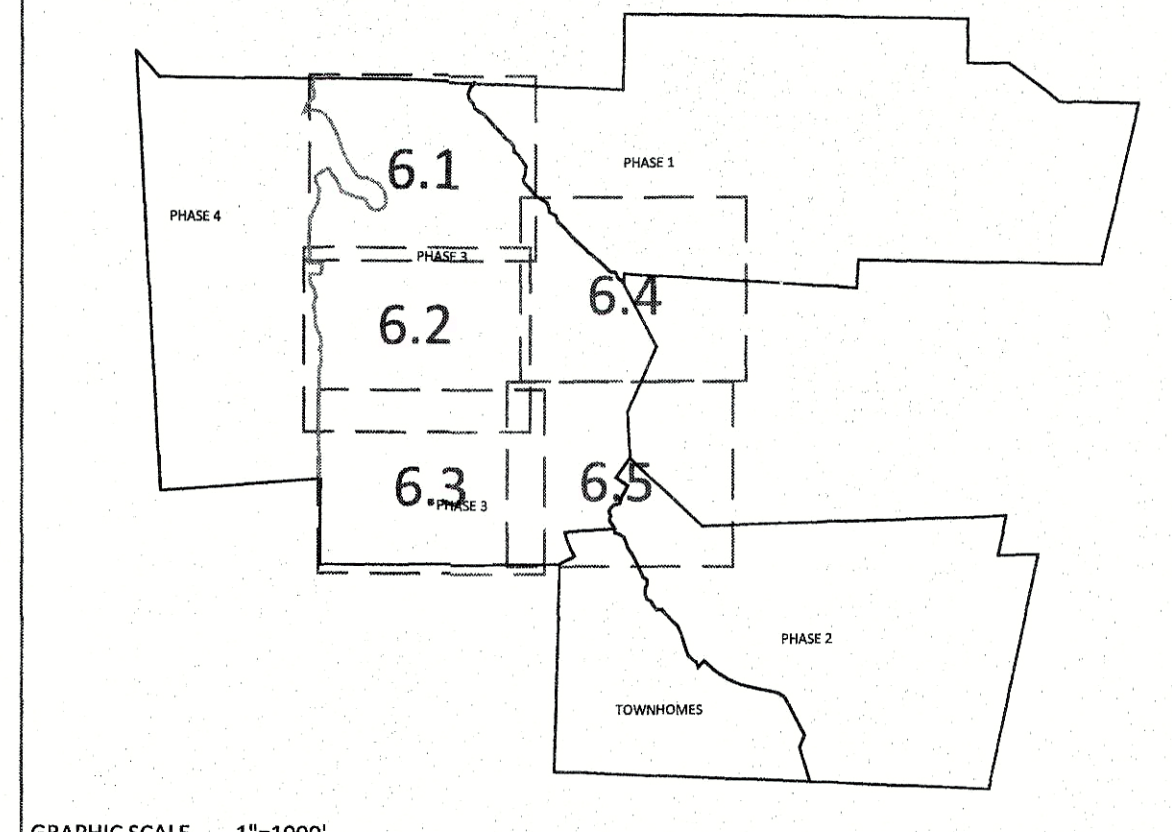
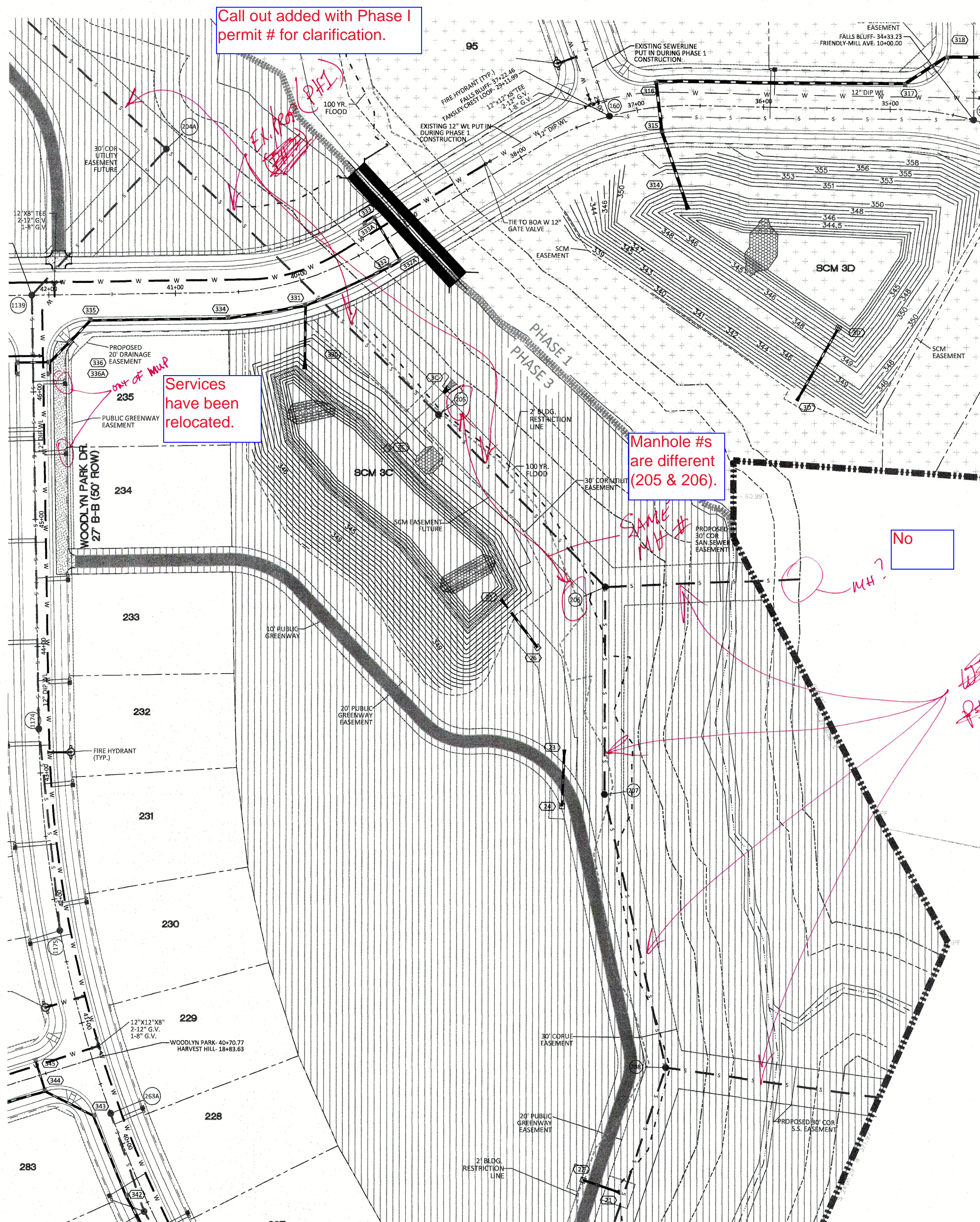


**SITE PERMITTING APPROVAL**  
 Water and Sewer Permits (if applicable)  
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 City of Raleigh Development Approval \_\_\_\_\_  
 Raleigh Water Review Officer \_\_\_\_\_



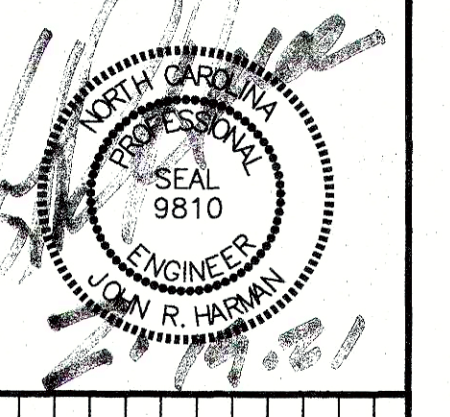
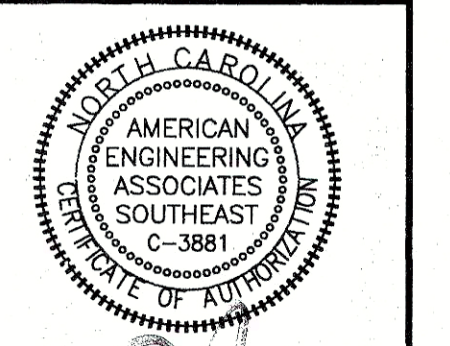




GRAPHIC SCALE 1"=100'

UTILITIES LEGEND	
	EXISTING BOUNDARY
	EXISTING WETLANDS
	EXISTING 50' NEUSE RIPARIAN BUFFER
	EXISTING BUFFER ZONES
	PROPOSED LOT LINE
	PROPOSED ROW
	PROPOSED SIDEWALK
	PROPOSED BOC
	PROPOSED EOP
	PROPOSED CENTERLINE
	PROPOSED EASEMENT
	PHASELINE
	RIP RAP
	SEDIMENT BASIN WEIR
	JUNCTION BOX
	PROPOSED CATCH BASIN
	PROPOSED YARD INLET
	PROPOSED DROP INLET
	PROPOSED FLARED END SECTION
	PROPOSED WATER METER
	PROPOSED SEWER SERVICE
	PROPOSED MANHOLE
	PROPOSED FIRE HYDRANT
	PROPOSED WATER VALVE
	PROPOSED WATER REDUCER
	PROPOSED SEWER LINE
	PROPOSED WATER LINE
	PROPOSED STORM WATER
	EXISTING WETLANDS AREA
	OPEN SPACE
	FUTURE PHASING
	EXISTING PHASING

**AMERICAN Engineering**  
 American Engineering Associates - Southeast, P.A.  
 4020 Westchase Boulevard, Suite 400  
 Raleigh, NC 27607



NO.	DATE	REVISION

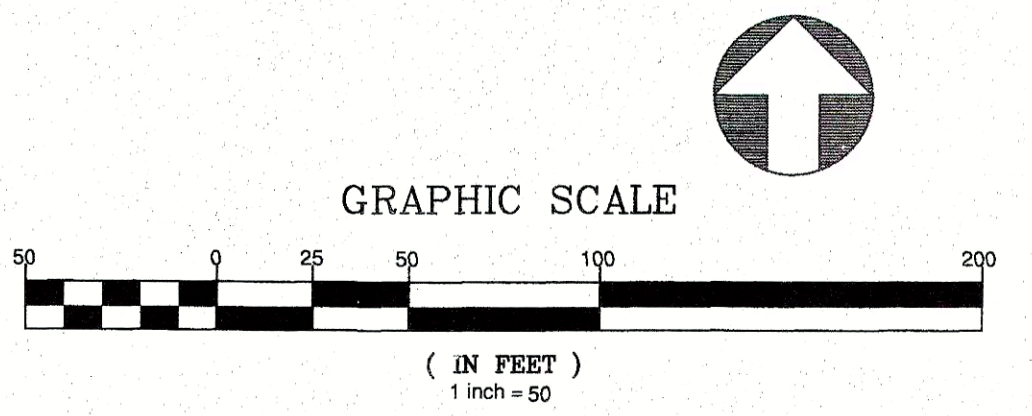
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**KALAS FALLS PHASE 3**  
 1832 ROLESVILLE ROAD  
 WAKE COUNTY, NC

JOB NUMBER: 9900  
 CHECKED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 DATE: FEB 18, 2021  
 SHEET TITLE:  
**PHASE 3 UTILITY PLAN (50 SCALE)**  
 SHEET NO.: **6.4**

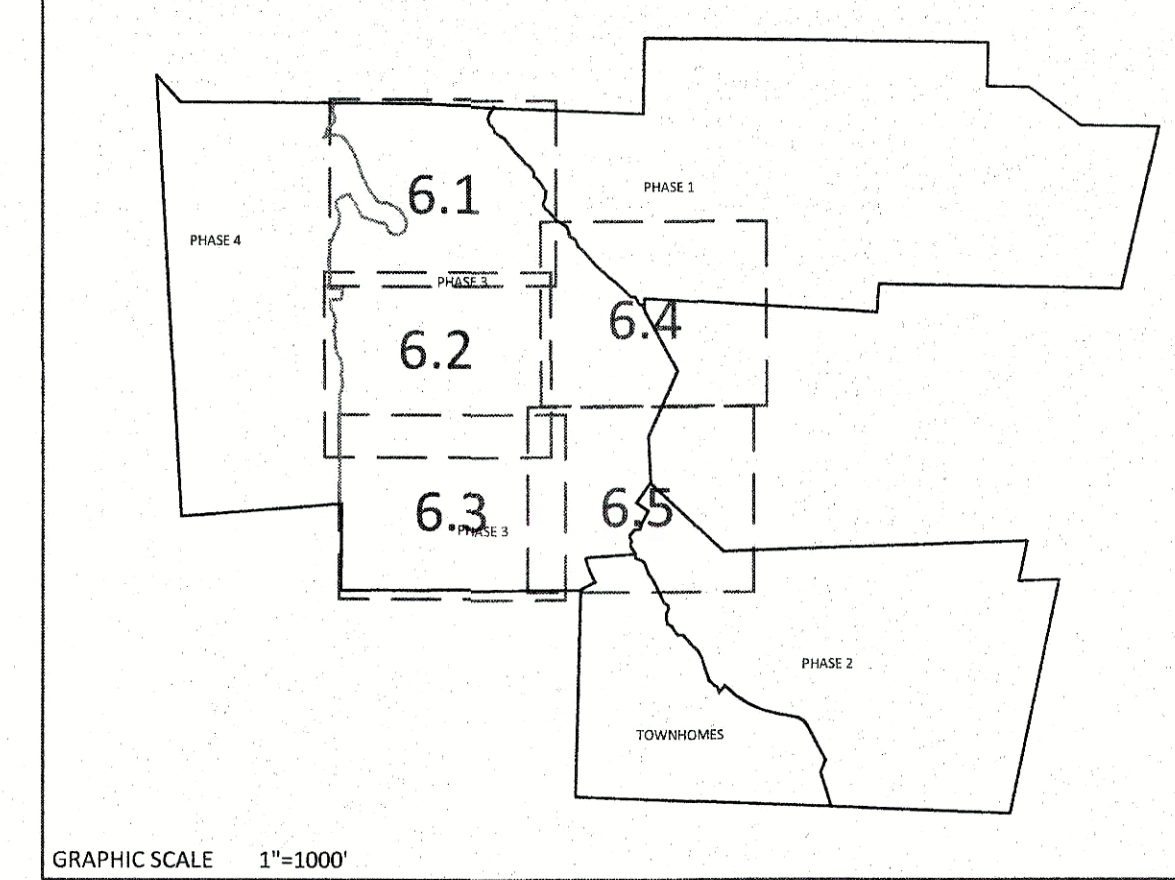
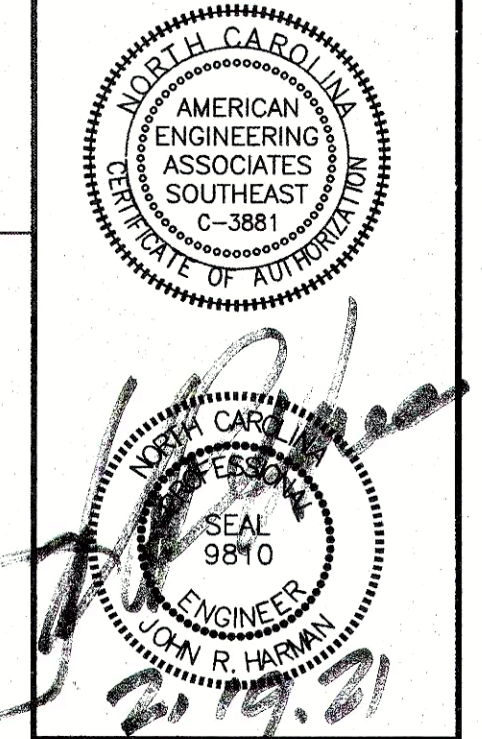
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 Raleigh Water Review Officer \_\_\_\_\_

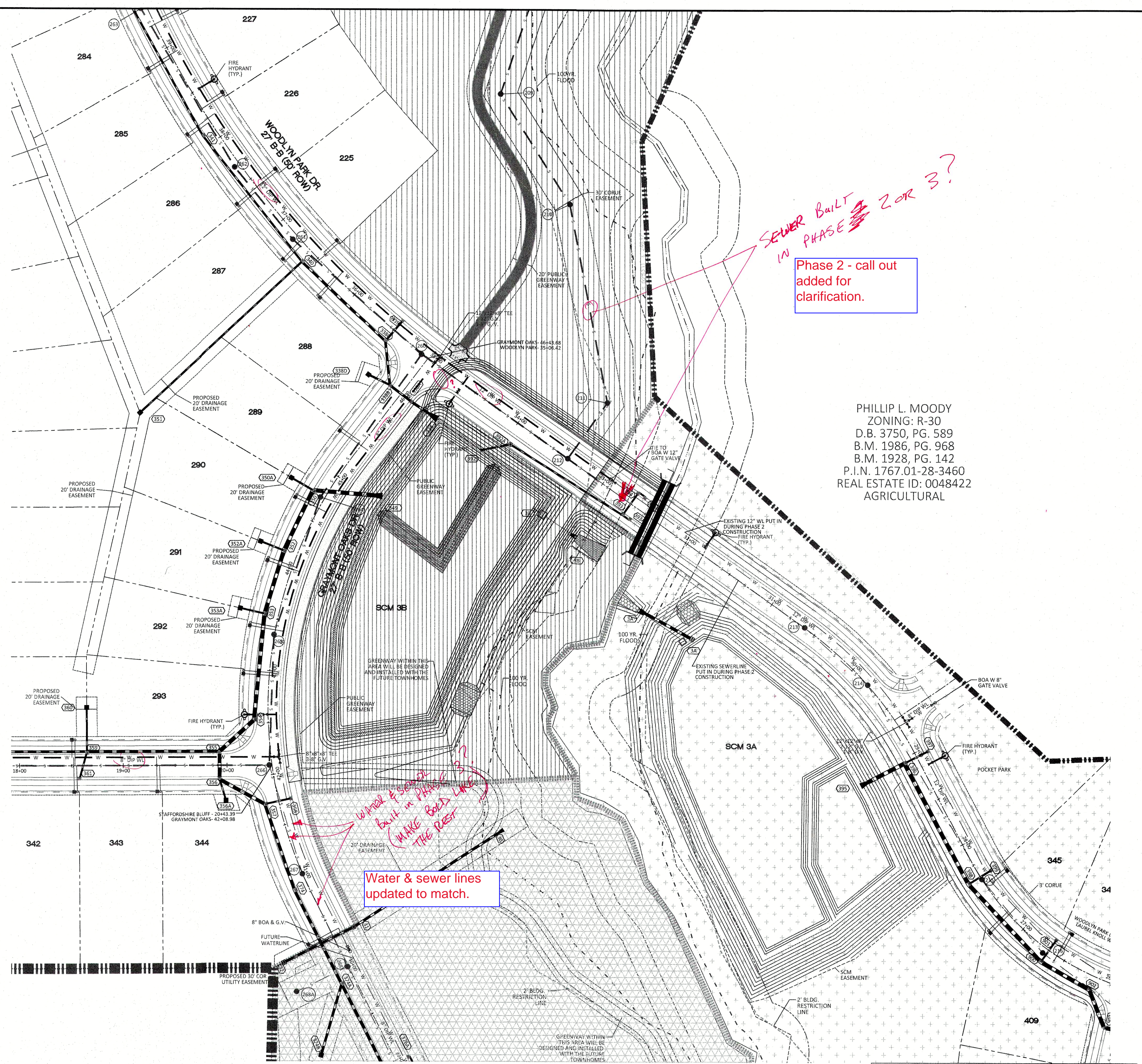


February 19, 2021  
 C:\Users\lhamon\Documents\Projects\KALAS PHASE 3\Utility Plan.dwg





GRAPHIC SCALE 1"=100'



*SEWER BUILT IN PHASE 2 OR 3?*

Phase 2 - call out added for clarification.

*Water & sewer built in Phase 2? (WAKE BOE'S LANE THE REST)*

Water & sewer lines updated to match.

PHILLIP L. MOODY  
ZONING: R-30  
D.B. 3750, PG. 589  
B.M. 1986, PG. 968  
B.M. 1928, PG. 142  
P.I.N. 1767.01-28-3460  
REAL ESTATE ID: 0048422  
AGRICULTURAL

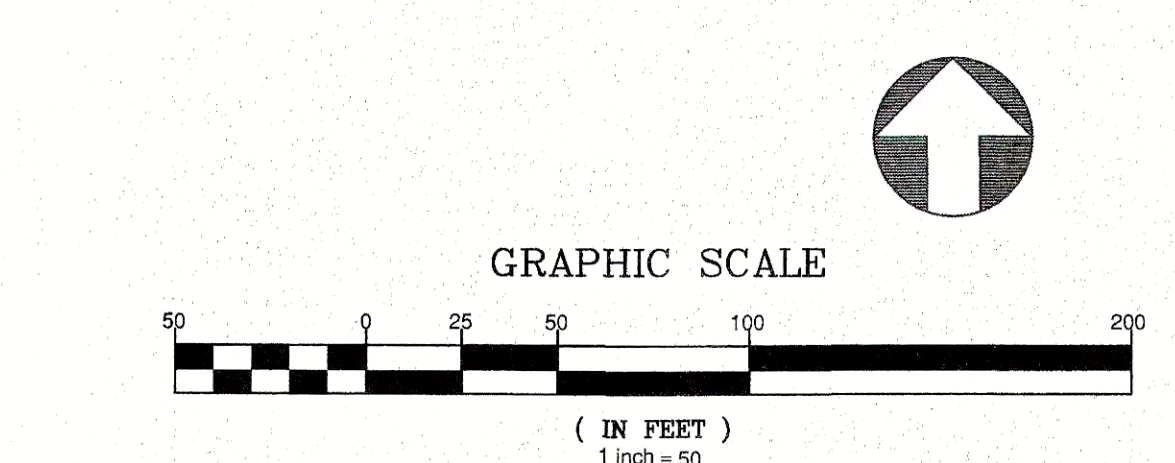
UTILITIES LEGEND	
[Symbol]	EXISTING BOUNDARY
[Symbol]	EXISTING WETLANDS
[Symbol]	EXISTING 50' NEUSE RIPERIAN BUFFER
[Symbol]	EXISTING BUFFER ZONES
[Symbol]	PROPOSED LOT LINE
[Symbol]	PROPOSED ROW
[Symbol]	PROPOSED SIDEWALK
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[Symbol]	PROPOSED YARD INLET
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[Symbol]	PROPOSED SEWER LINE
[Symbol]	PROPOSED WATER LINE
[Symbol]	PROPOSED STORM WATER
[Symbol]	EXISTING WETLANDS AREA
[Symbol]	OPEN SPACE
[Symbol]	FUTURE PHASING
[Symbol]	EXISTING PHASING

NO.	DATE	REVISION

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**KALAS FALLS  
PHASE 3  
1832 ROLESVILLE ROAD  
WAKE COUNTY, NC**

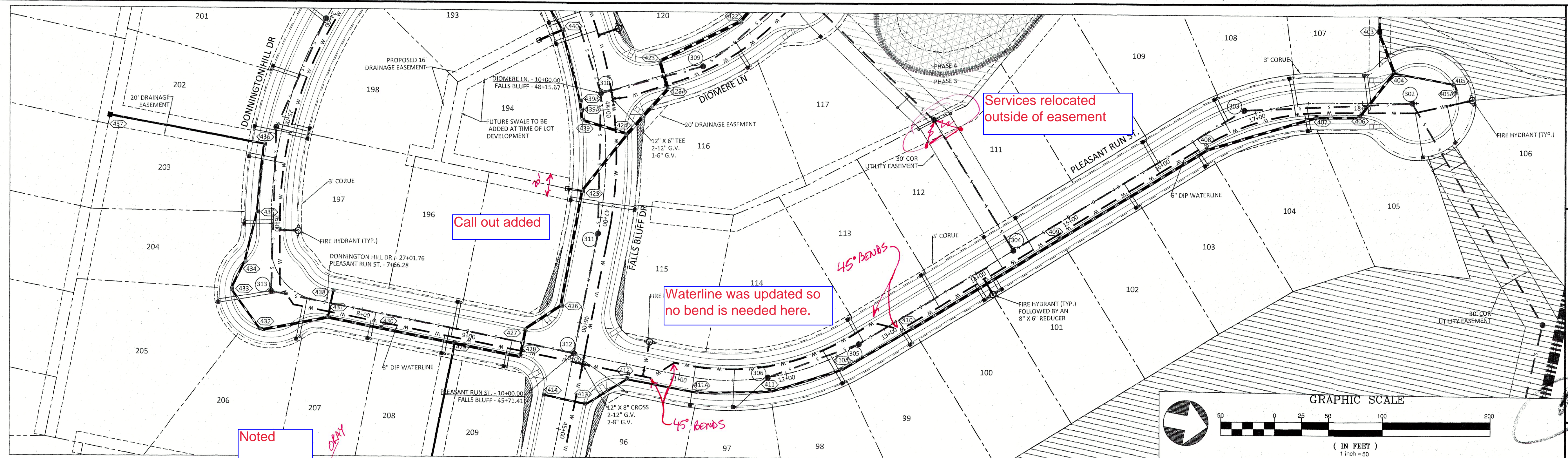
JOB NUMBER:	9900
CHECKED BY:	
DRAWN BY:	
DATE:	FEB 18, 2021
SHEET TITLE:	<b>PHASE 3 UTILITY PLAN (50 SCALE)</b>
SHEET NO.:	6.5



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City of Raleigh Development Approval \_\_\_\_\_  
Raleigh Water Review Officer \_\_\_\_\_

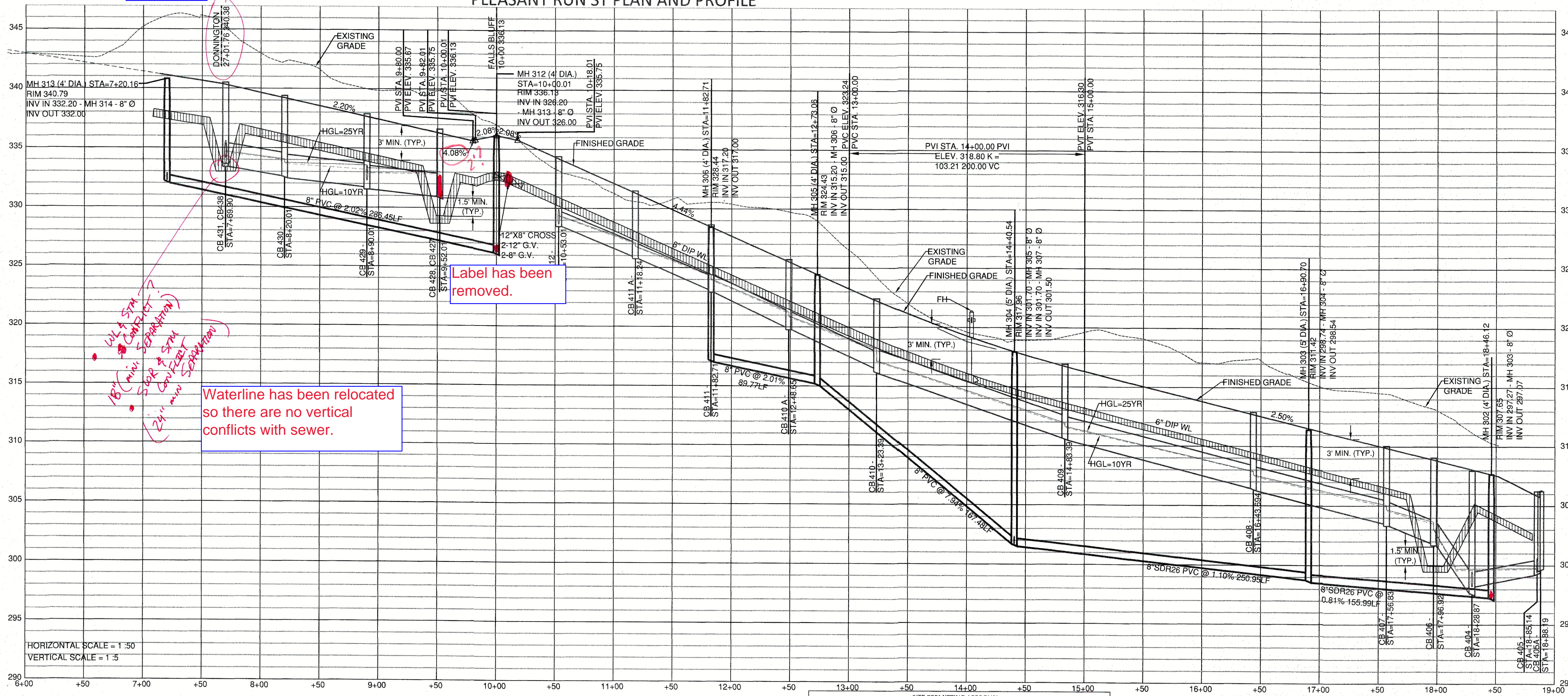
**North 811**  
3 Days Before Digging  
North Carolina 811  
811 or 1-800-632-4949  
Remote Ticket Entry  
http://nc811.com/remoteticketentry.htm





PLEASANT RUN ST PLAN AND PROFILE

UTILITIES LEGEND	
	EXISTING BOUNDARY
	EXISTING WETLANDS
	EXISTING 50' NEUSE RIPARIAN BUFFER
	EXISTING BUFFER ZONES
	PROPOSED LOT LINE
	PROPOSED ROW
	PROPOSED SIDEWALK
	PROPOSED BOC
	PROPOSED EOP
	PROPOSED CENTERLINE
	PROPOSED EASEMENT
	PHASELINE
	RIP RAP
	SEDIMENT BASIN WEIR
	JUNCTION BOX
	PROPOSED CATCH BASIN
	PROPOSED YARD INLET
	PROPOSED DROP INLET
	PROPOSED FLARED END SECTION
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	PROPOSED WATER REDUCER
	PROPOSED SEWER LINE
	PROPOSED WATER LINE
	PROPOSED STORM WATER
	EXISTING WETLANDS AREA
	OPEN SPACE
	FUTURE PHASING
	EXISTING PHASING



HORIZONTAL SCALE = 1" = 50'  
VERTICAL SCALE = 1" = 5'

GENERAL NOTE:  
1. ALL WATERLINE AND STORM CROSSINGS SHALL HAVE A MINIMUM OF 1.5' VERTICAL CLEARANCE. IF THIS CANNOT BE ACHIEVED THEN A CRADLE IS TO BE USED SEE DETAIL S-49 ON SHEET CD10

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City of Raleigh Development Approval \_\_\_\_\_  
Raleigh Water Review Officer \_\_\_\_\_

**North Carolina 811**  
\*\*\* 3 Days Before Digging \*\*\*  
North Carolina 811  
811 or 1-800-632-4949  
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**KALAS FALLS PHASE 3**  
1832 ROLESVILLE ROAD  
WAKE COUNTY, NC

JOB NUMBER: 9900  
CHECKED BY:  
DRAWN BY:  
DATE: FEB 18, 2021  
SHEET TITLE:  
**PLEASANT RUN STREET PLAN & PROFILE**  
SHEET NO.: 7.0

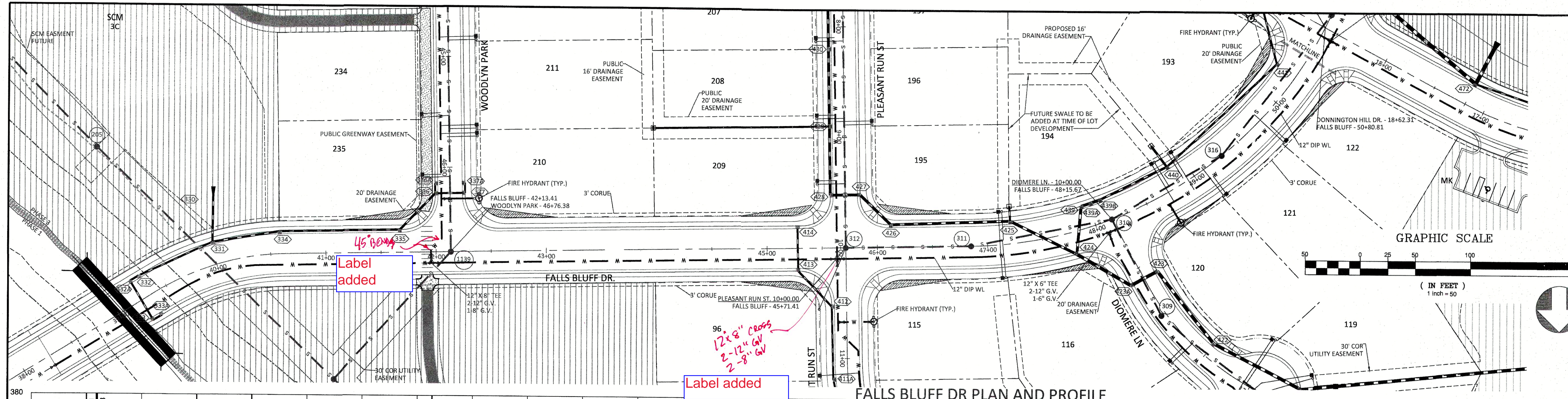
**AMERICAN Engineering**  
American Engineering Associates - Southeast, P.A.  
4020 Westchase Boulevard, Suite 450  
Raleigh, NC 27607  
919-469-1101

**AMERICAN ENGINEERING ASSOCIATES SOUTHEAST**  
C-3881  
REGISTERED PROFESSIONAL ENGINEER  
JOHN R. HARMAN  
9510  
3-19-21

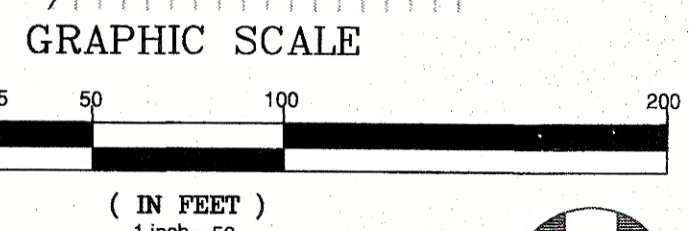




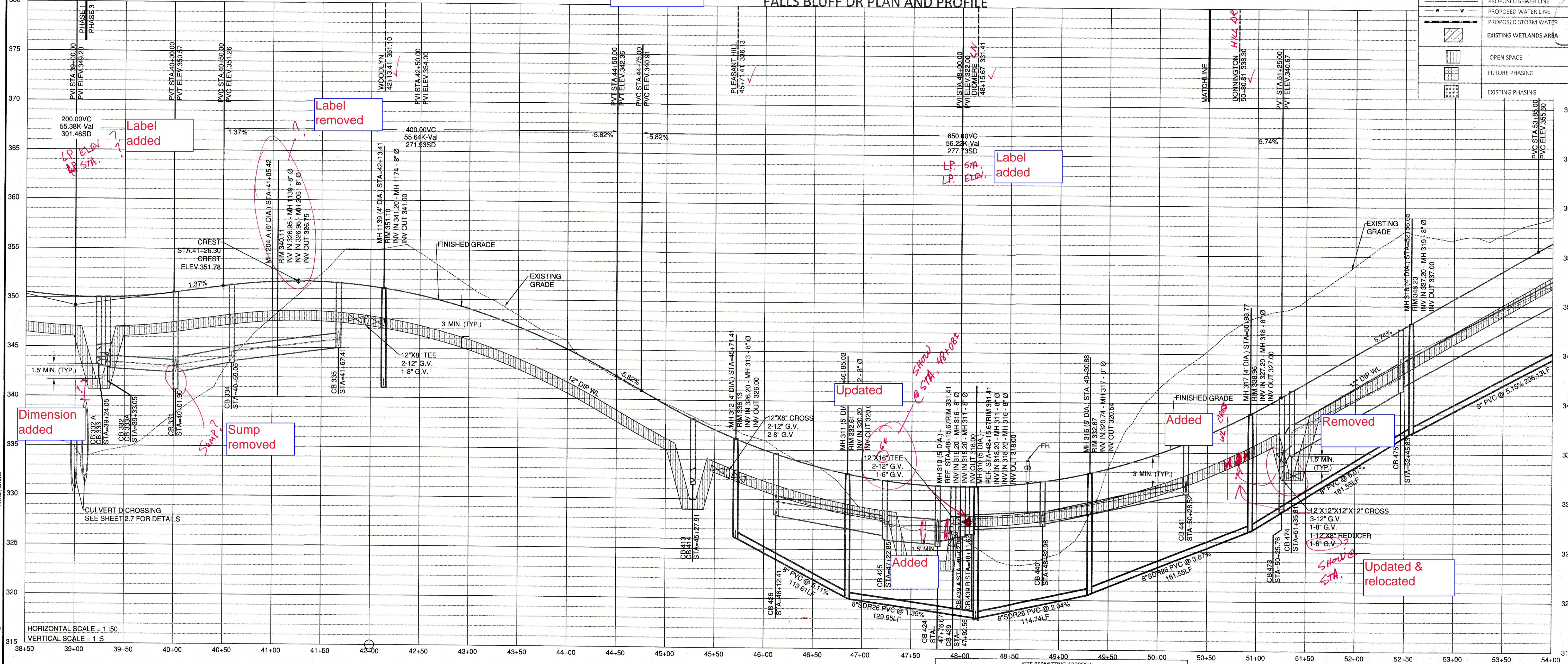




UTILITIES LEGEND	
---	EXISTING BOUNDARY
- - -	EXISTING WETLANDS
- - -	EXISTING 50' NEUSE RIPARIAN BUFFER
- - -	EXISTING BUFFER ZONES
- - -	PROPOSED LOT LINE
- - -	PROPOSED ROW
- - -	PROPOSED SIDEWALK
- - -	PROPOSED BOC
- - -	PROPOSED EOP
- - -	PROPOSED CENTERLINE
- - -	PROPOSED EASEMENT
-----	PHASELINE
	RIP RAP
⊙	SEDIMENT BASIN WEIR
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⊙	PROPOSED WATER REDUCER
⊙	PROPOSED SEWER LINE
⊙	PROPOSED WATER LINE
⊙	PROPOSED STORM WATER
⊙	EXISTING WETLANDS AREA
⊙	OPEN SPACE
⊙	FUTURE PHASING
⊙	EXISTING PHASING



FALLS BLUFF DR PLAN AND PROFILE



HORIZONTAL SCALE = 1:50  
VERTICAL SCALE = 1:5

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City of Raleigh Development Approval  
Raleigh Water Review Officer

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AMERICAN Engineering  
American Engineering Associates - Southeast, P.A.  
4020 Westchase Boulevard, Suite 650  
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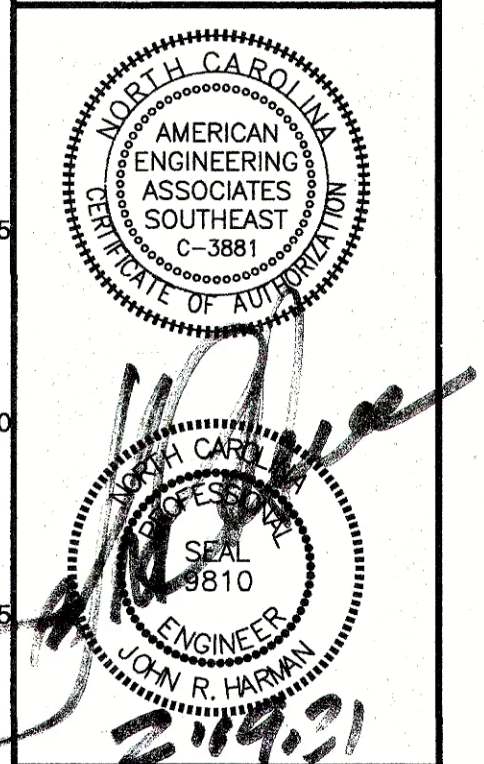
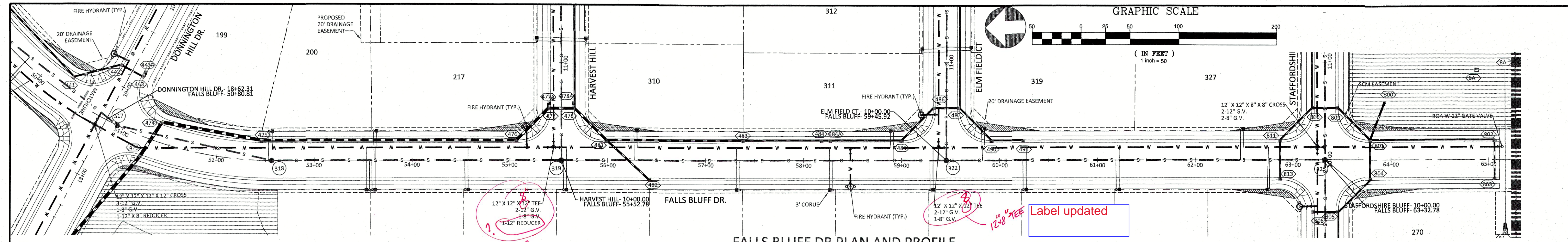
AMERICAN ENGINEERING ASSOCIATES SOUTHEAST  
C-3881  
JAN 20 2021  
SEAL 9810  
2/18/21

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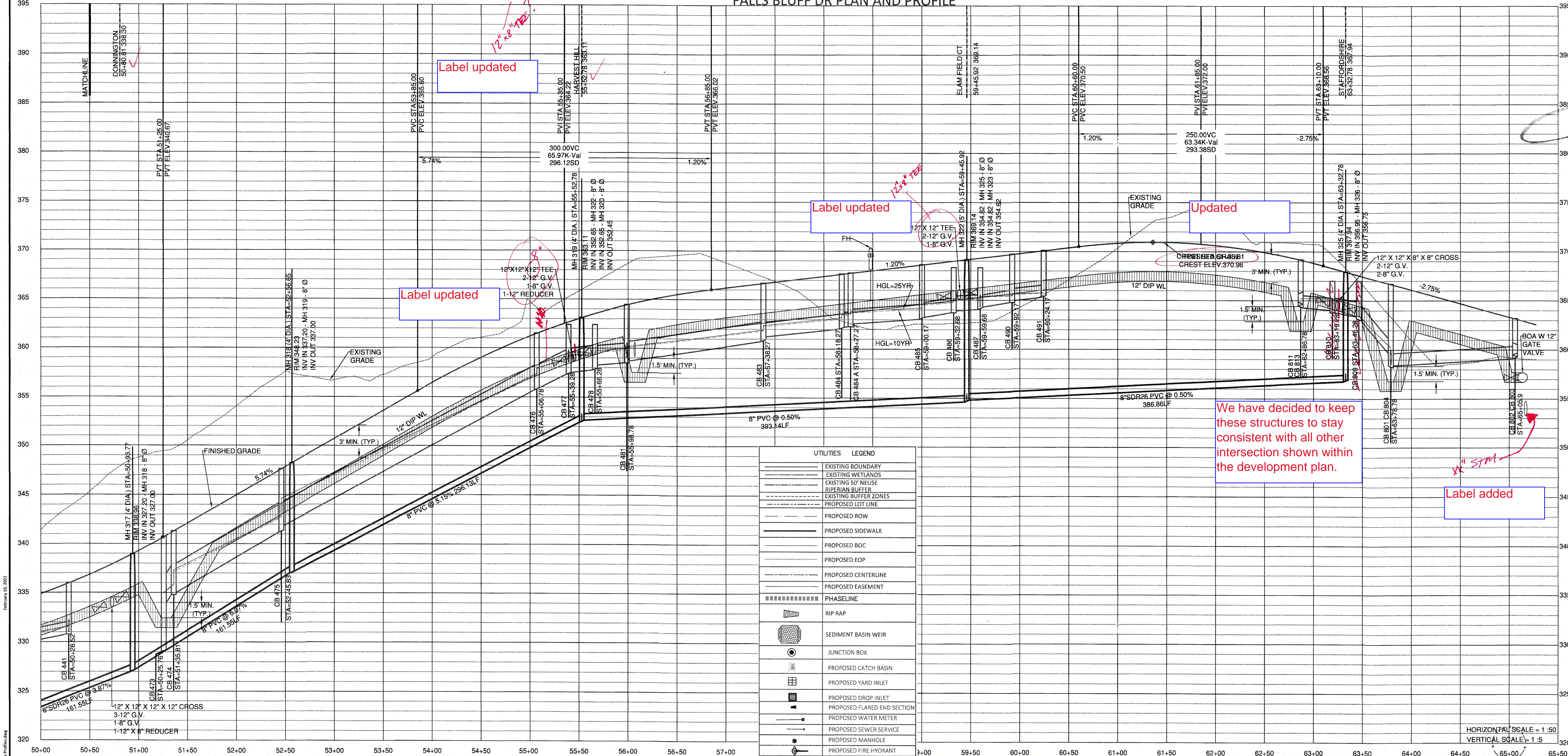
KALAS FALLS  
PHASE 3  
1832 ROLESVILLE ROAD  
WAKE COUNTY, NC

JOB NUMBER: 9900  
CHECKED BY:  
DRAWN BY:  
DATE: FEB 18, 2021  
SHEET TITLE:  
FALLS BLUFF DRIVE  
PLAN & PROFILE  
SHEET NO.: 9.0





**FALLS BLUFF DR PLAN AND PROFILE**



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[Symbol]	EXISTING WETLANDS
[Symbol]	EXISTING 'NO' NEUSE RIVER BUFFER
[Symbol]	EXISTING BUFFER ZONES
[Symbol]	PROPOSED LOT LINE
[Symbol]	PROPOSED ROW
[Symbol]	PROPOSED SIDEWALK
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[Symbol]	RIE RAP
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[Symbol]	PROPOSED STORM WATER
[Symbol]	EXISTING WETLANDS AREA
[Symbol]	OPEN SPACE
[Symbol]	FUTURE PHASING
[Symbol]	EXISTING PHASING

We have decided to keep these structures to stay consistent with all other intersection shown within the development plan.

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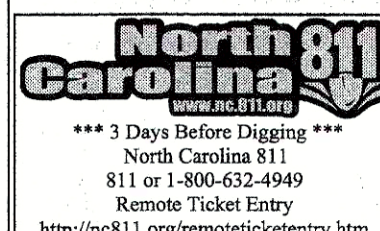
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City of Raleigh Development Approval \_\_\_\_\_  
Raleigh Water Review Officer \_\_\_\_\_

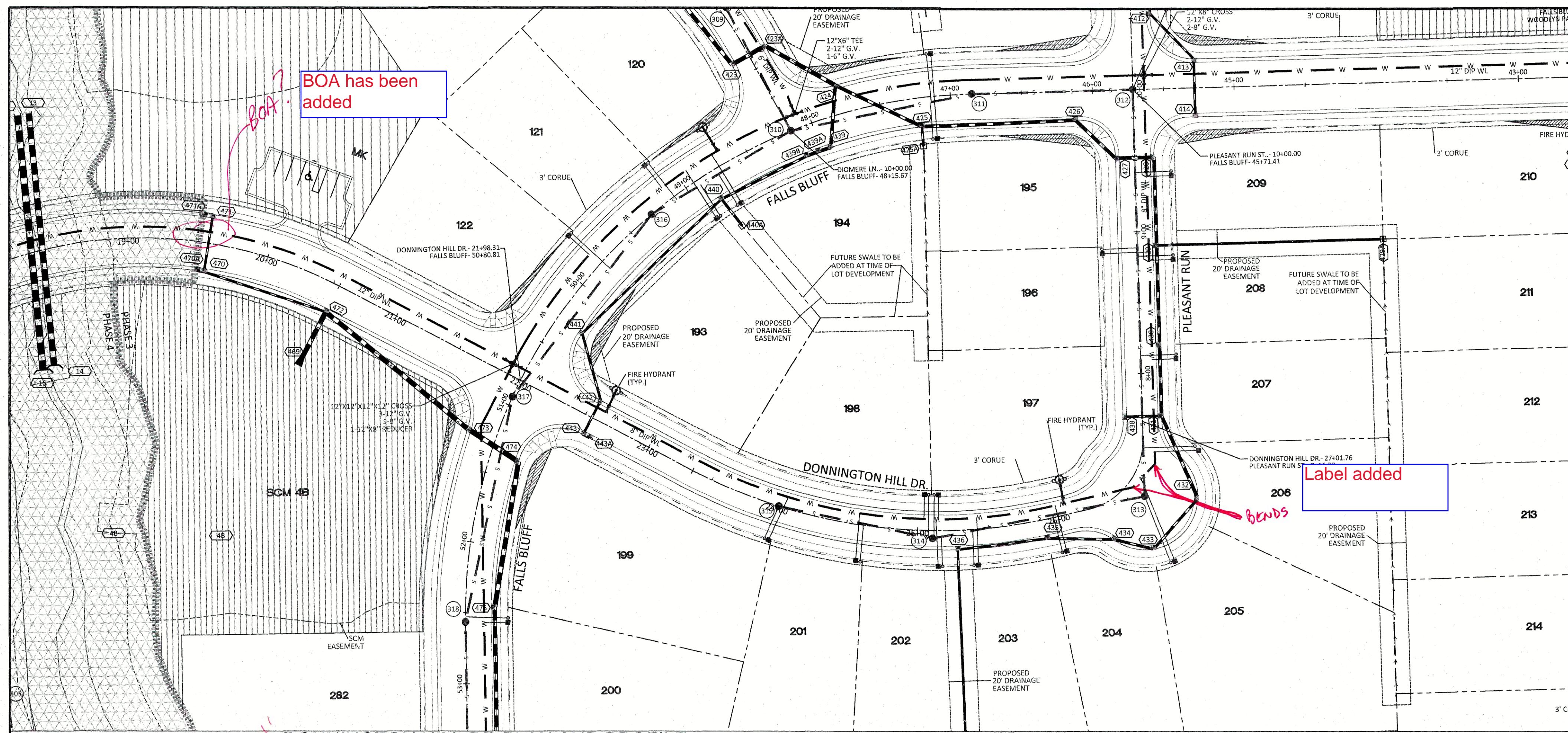


**STIPULATION FOR REUSE**  
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE NAMED HEREON. CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

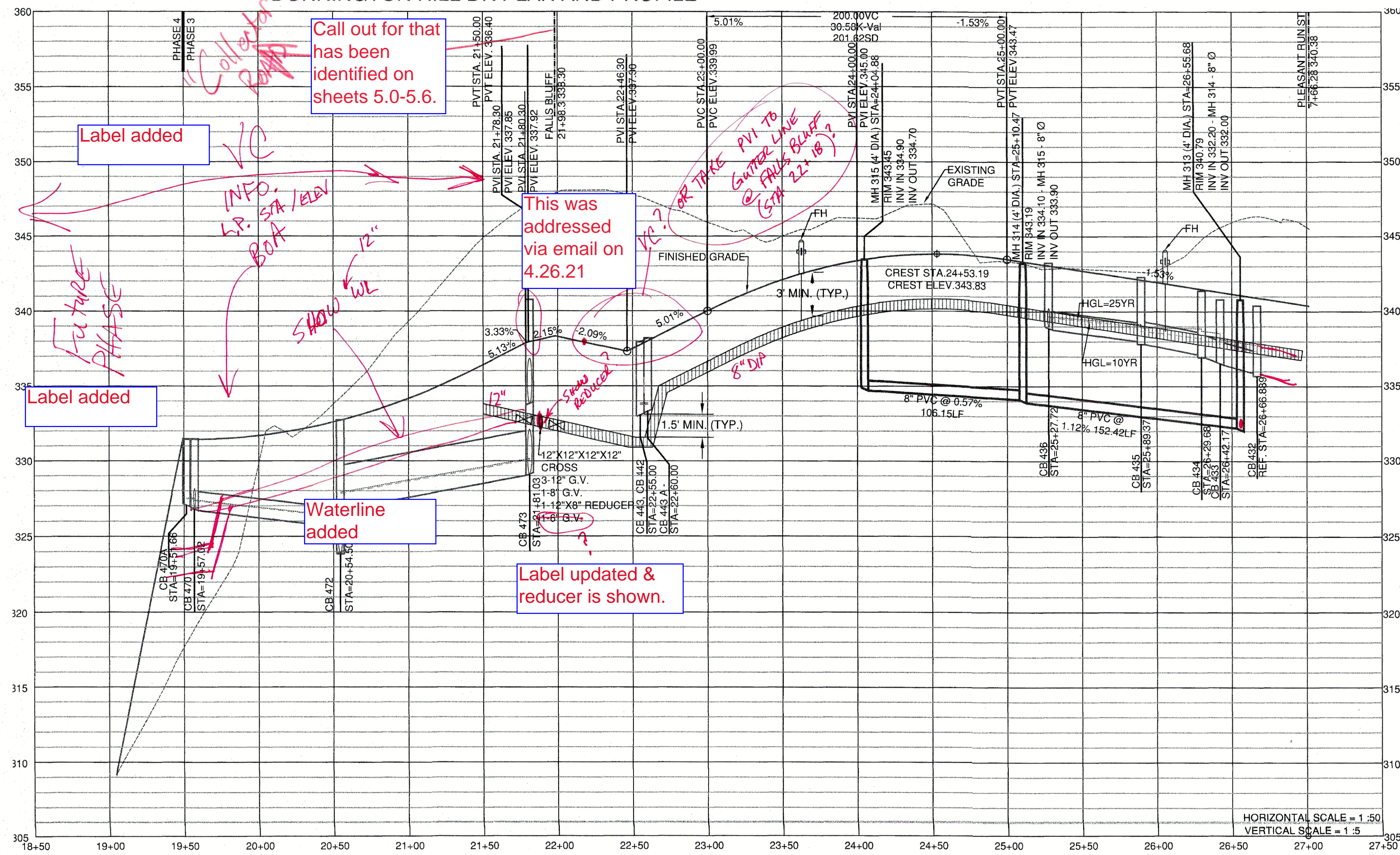
**KALAS FALLS PHASE 3**  
1832 ROLESVILLE ROAD  
WAKE COUNTY, NC

**FALLS BLUFF DRIVE PLAN & PROFILE**  
JOB NUMBER: 9900  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
DATE: FEB 18, 2021  
SHEET TITLE:  
SHEET NO.: 9.1



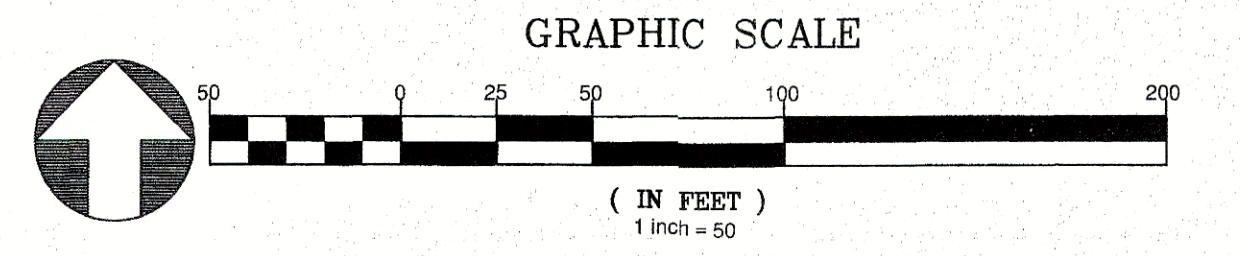


DONNINGTON HILL DR PLAN AND PROFILE



**GENERAL NOTE:**  
 1. ALL WATERLINE AND STORM CROSSINGS SHALL HAVE A MINIMUM OF 1.5' VERTICAL CLEARANCE. IF THIS CANNOT BE ACHIEVED THEN A CRADLE IS TO BE USED SEE DETAIL S-49 ON SHEET CD10

UTILITIES LEGEND	
[Symbol]	EXISTING BOUNDARY
[Symbol]	EXISTING WETLANDS
[Symbol]	EXISTING 50' NEUSE RIPARIAN BUFFER
[Symbol]	EXISTING BUFFER ZONES
[Symbol]	PROPOSED LOT LINE
[Symbol]	PROPOSED ROW
[Symbol]	PROPOSED SIDEWALK
[Symbol]	PROPOSED BOC
[Symbol]	PROPOSED EOP
[Symbol]	PROPOSED CENTERLINE
[Symbol]	PROPOSED EASEMENT
[Symbol]	PHASELINE
[Symbol]	RIP RAP
[Symbol]	SEDIMENT BASIN WEIR
[Symbol]	JUNCTION BOX
[Symbol]	PROPOSED CATCH BASIN
[Symbol]	PROPOSED YARD INLET
[Symbol]	PROPOSED DROP INLET
[Symbol]	PROPOSED FLARED END SECTION
[Symbol]	PROPOSED WATER METER
[Symbol]	PROPOSED SEWER SERVICE
[Symbol]	PROPOSED MANHOLE
[Symbol]	PROPOSED FIRE HYDRANT
[Symbol]	PROPOSED WATER VALVE
[Symbol]	PROPOSED WATER REDUCER
[Symbol]	PROPOSED SEWER LINE
[Symbol]	PROPOSED WATER LINE
[Symbol]	PROPOSED STORM WATER
[Symbol]	EXISTING WETLANDS AREA
[Symbol]	OPEN SPACE
[Symbol]	FUTURE PHASING
[Symbol]	EXISTING PHASING



**AMERICAN Engineering**  
 American Engineering Associates Southeast, P.A.  
 4020 Westchester Boulevard, Suite 450  
 Raleigh, NC 27607  
 919-469-1101

NO.	DATE	REVISION

**STIPULATION FOR REUSE**  
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**KALAS FALLS PHASE 3**  
 1832 ROLESVILLE ROAD  
 WAKE COUNTY, NC

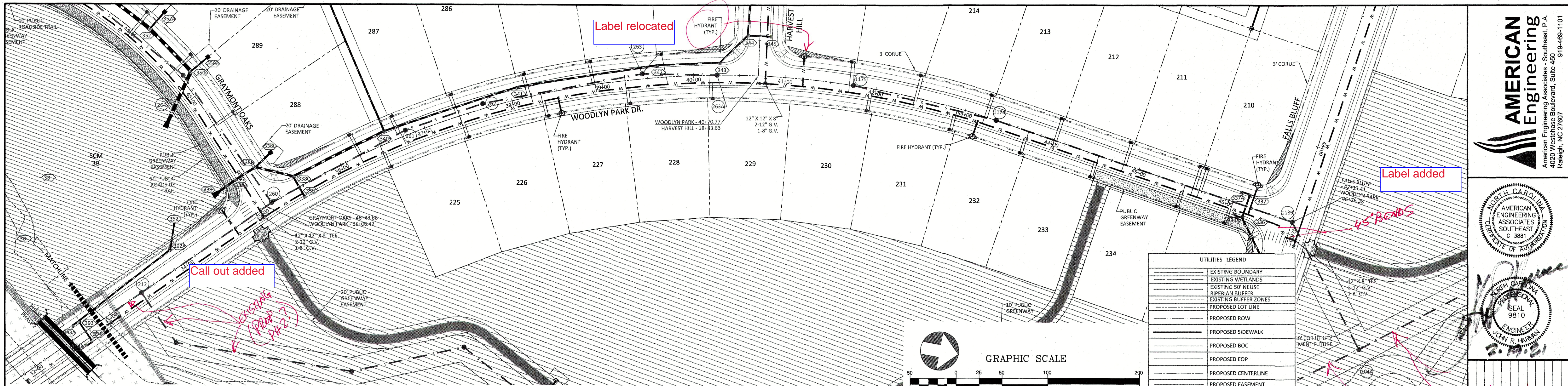
JOB NUMBER:	9900
CHECKED BY:	
DRAWN BY:	
DATE:	FEB 18, 2021
SHEET TITLE:	<b>DONNINGTON HILL DRIVE PLAN &amp; PROFILE</b>
SHEET NO.:	<b>10.0</b>

**North 811**  
 3 Days Before Digging  
 811 or 1-800-632-4949  
 Remote Ticket Entry  
<http://nc811.org/remoteticketentry.htm>

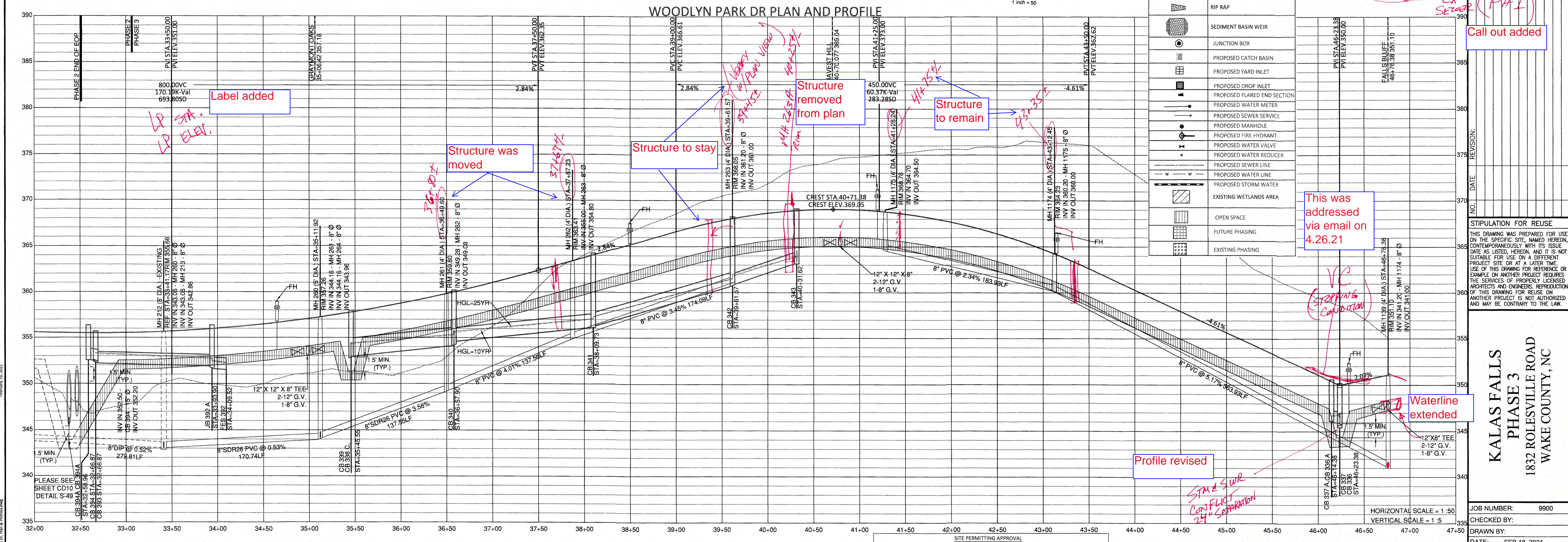
**CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION**  
 Electronic Approval: This approval is being issued electronically. This approval is valid only upon the signature of a City of Raleigh Review Officer below. The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.  
 City of Raleigh Development Approval \_\_\_\_\_  
 Raleigh Water Review Officer

**SITE PERMITTING APPROVAL**  
 Water and Sewer Permits (if applicable)  
 The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # \_\_\_\_\_  
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 City of Raleigh Public Utilities Department Permit # \_\_\_\_\_





UTILITIES LEGEND	
[Symbol]	EXISTING BOUNDARY
[Symbol]	EXISTING WETLANDS
[Symbol]	EXISTING 50' NEUSE RIVER BUFFER
[Symbol]	EXISTING BUFFER ZONES
[Symbol]	PROPOSED LOT LINE
[Symbol]	PROPOSED ROW
[Symbol]	PROPOSED SIDEWALK
[Symbol]	PROPOSED BOC
[Symbol]	PROPOSED EOP
[Symbol]	PROPOSED CENTERLINE
[Symbol]	PROPOSED EASEMENT
[Symbol]	PHASELINE
[Symbol]	RIP RAP
[Symbol]	SEDIMENT BASIN WEIR
[Symbol]	JUNCTION BOX
[Symbol]	PROPOSED CATCH BASIN
[Symbol]	PROPOSED YARD INLET
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[Symbol]	PROPOSED WATER METER
[Symbol]	PROPOSED SEWER SERVICE
[Symbol]	PROPOSED MANHOLE
[Symbol]	PROPOSED FIRE HYDRANT
[Symbol]	PROPOSED WATER VALVE
[Symbol]	PROPOSED WATER REDUCER
[Symbol]	PROPOSED SEWER LINE
[Symbol]	PROPOSED WATER LINE
[Symbol]	PROPOSED STORM WATER
[Symbol]	EXISTING WETLANDS AREA
[Symbol]	OPEN SPACE
[Symbol]	FUTURE PHASING
[Symbol]	EXISTING PHASING



**GENERAL NOTE:**

- ALL WATERLINE AND STORM CROSSINGS SHALL HAVE A MINIMUM OF 1.5' VERTICAL CLEARANCE. IF THIS CANNOT BE ACHIEVED THEN A CRADLE IS TO BE USED SEE DETAIL S-49 ON SHEET CD10

**Water and Sewer Permits (if applicable)**

The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # \_\_\_\_\_

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**CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION**

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City of Raleigh Development Approval \_\_\_\_\_

Raleigh Water Review Officer \_\_\_\_\_

**STIPULATION FOR REUSE**

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**KALAS FALLS PHASE 3**  
1832 ROLFSVILLE ROAD  
WAKE COUNTY, NC

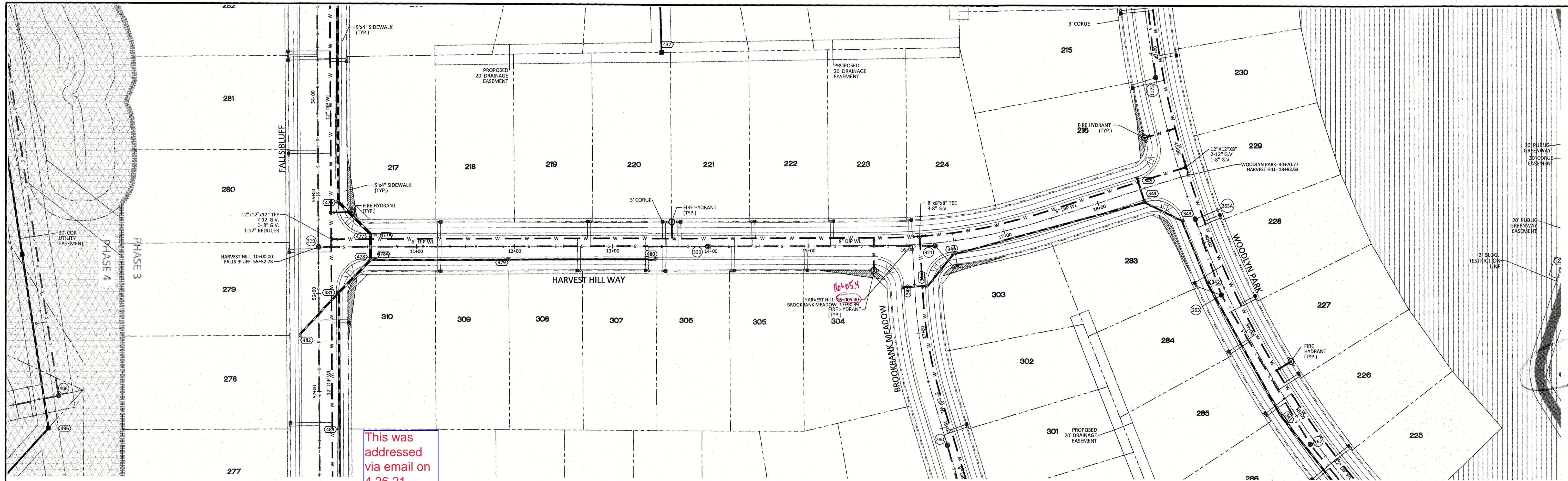
JOB NUMBER: 9900  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
DATE: FEB 18, 2021  
SHEET TITLE: WOODLYN PARK DRIVE PLAN & PROFILE  
SHEET NO.: 11.0

**North Carolina**  
\*\*\* 3 Days Before Digging \*\*\*  
North Carolina 811  
811 or 1-800-632-4949  
Remote Ticket Entry  
http://nc811.org/remoteticketentry.htm

**AMERICAN Engineering**  
American Engineering Associates - Southeast, P.A.  
10000 Boulevard, Suite 450  
Raleigh, NC 27607  
919-489-1101

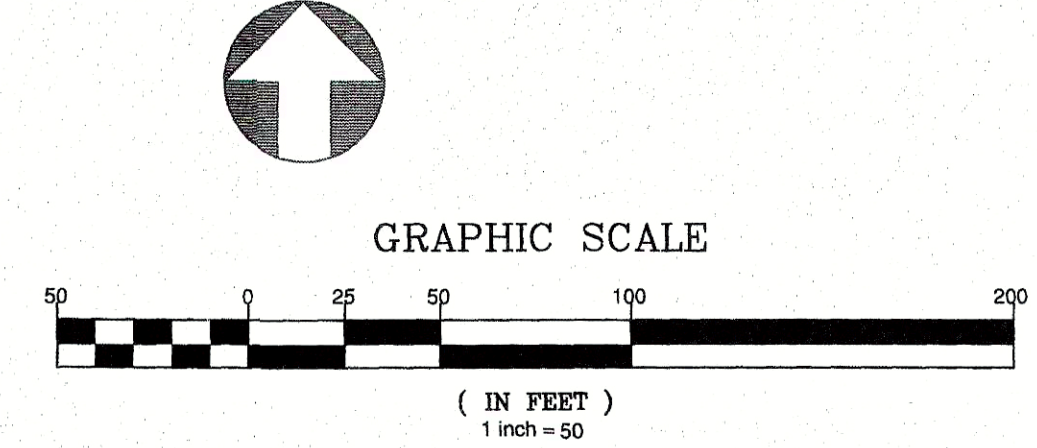
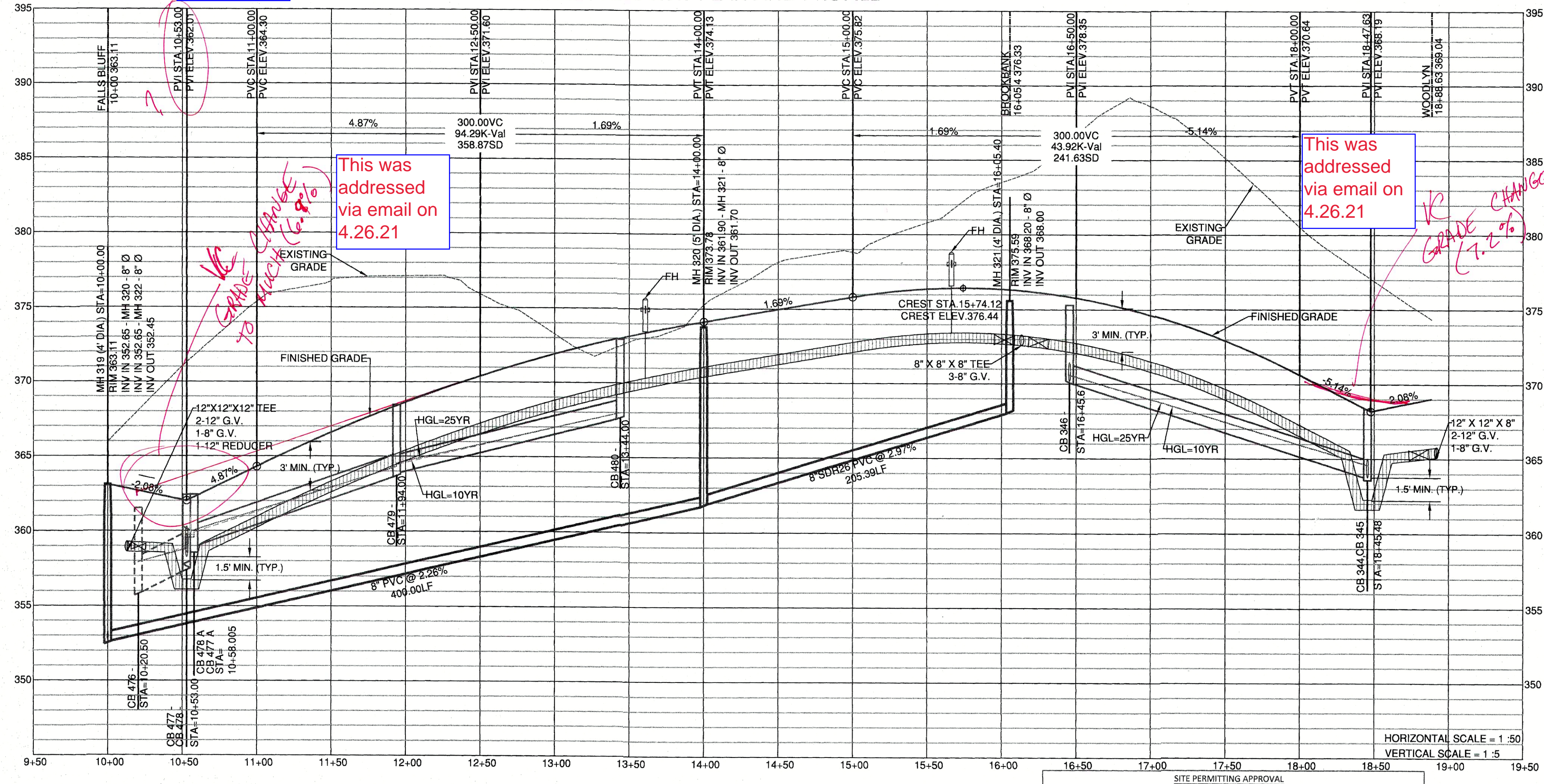
**AMERICAN ENGINEERING ASSOCIATES SOUTHEAST**  
SOUTH CAROLINA  
STATE OF ARCHITECTS  
SEAL 9810  
JOHN R. HARMAN  
2-19-21





HARVEST HILL WAY PLAN AND PROFILE

UTILITIES LEGEND	
	EXISTING BOUNDARY
	EXISTING WETLANDS
	EXISTING 50' NEUSE RIPARIAN BUFFER
	EXISTING BUFFER ZONES
	PROPOSED LOT LINE
	PROPOSED ROW
	PROPOSED SIDEWALK
	PROPOSED BOC
	PROPOSED EOP
	PROPOSED CENTERLINE
	PROPOSED EASEMENT
	PHASILINE
	RIP RAP
	SEDIMENT BASIN WEIR
	JUNCTION BOX
	PROPOSED CATCH BASIN
	PROPOSED YARD INLET
	PROPOSED DROP INLET
	PROPOSED FLARED END SECTION
	PROPOSED WATER METER
	PROPOSED SEWER SERVICE
	PROPOSED MANHOLE
	PROPOSED FIRE HYDRANT
	PROPOSED WATER VALVE
	PROPOSED WATER REDUCER
	PROPOSED SEWER LINE
	PROPOSED WATER LINE
	PROPOSED STORM WATER
	EXISTING WETLANDS AREA
	OPEN SPACE
	FUTURE PHASING
	EXISTING PHASING



GENERAL NOTE:  
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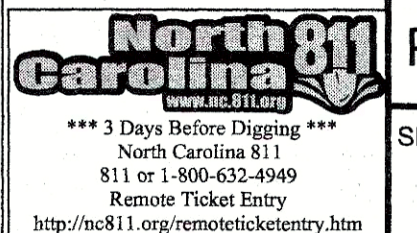
**Water and Sewer Permits (if applicable)**  
 The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # \_\_\_\_\_

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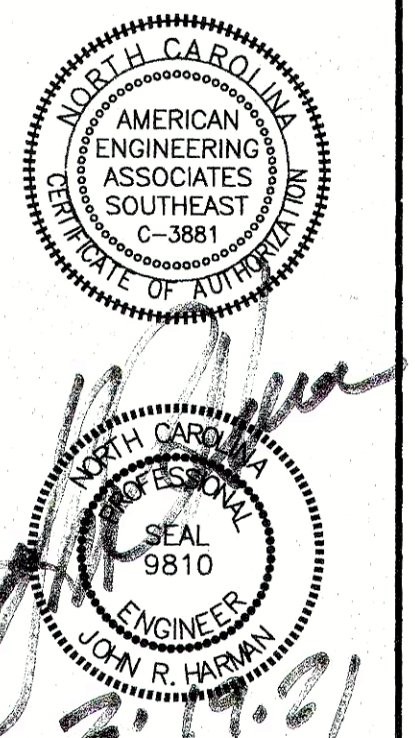
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City of Raleigh Development Approval \_\_\_\_\_  
 Raleigh Water Review Officer \_\_\_\_\_



**AMERICAN Engineering**  
 American Engineering Associates - Southeast, P.A.  
 4020 Westchase Boulevard, Suite 450  
 Raleigh, NC 27607  
 919-465-1101

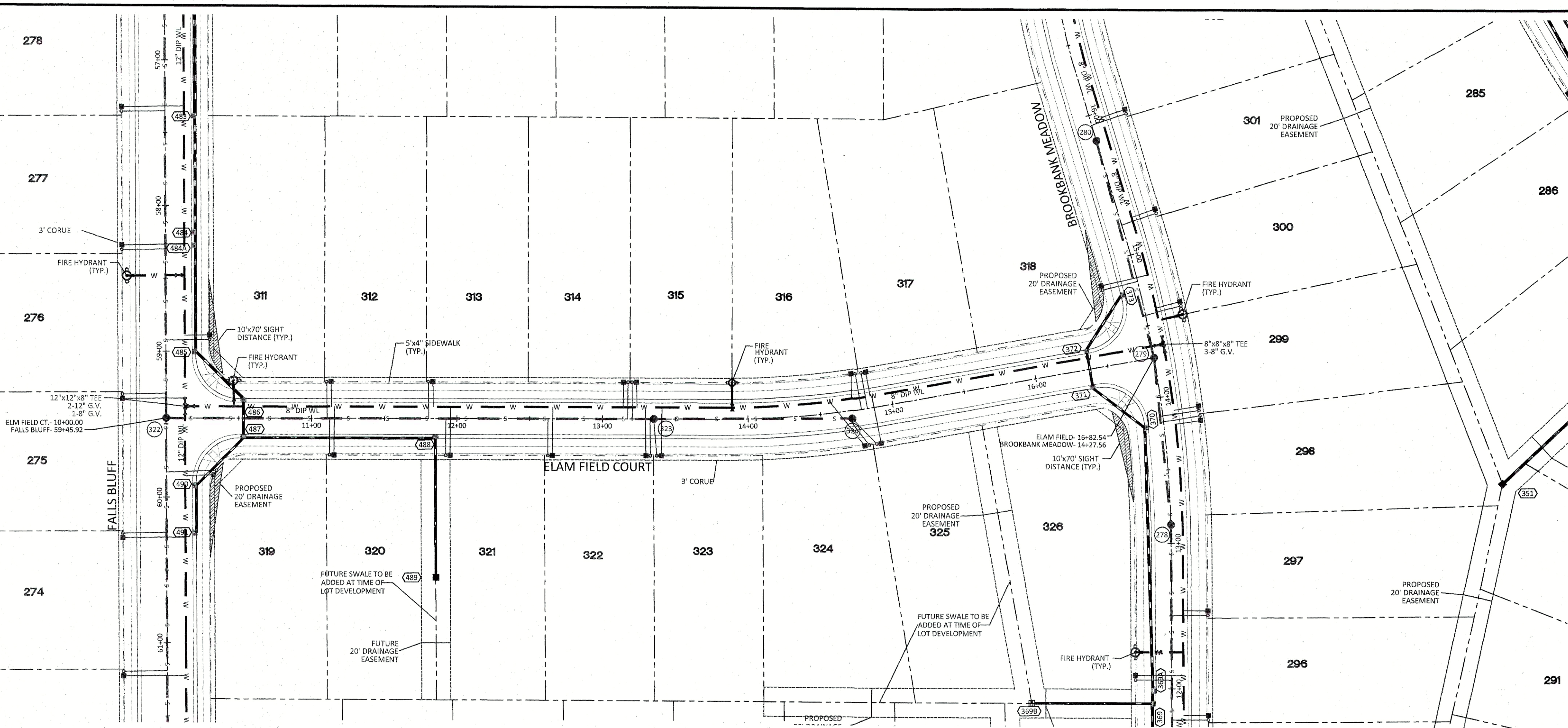
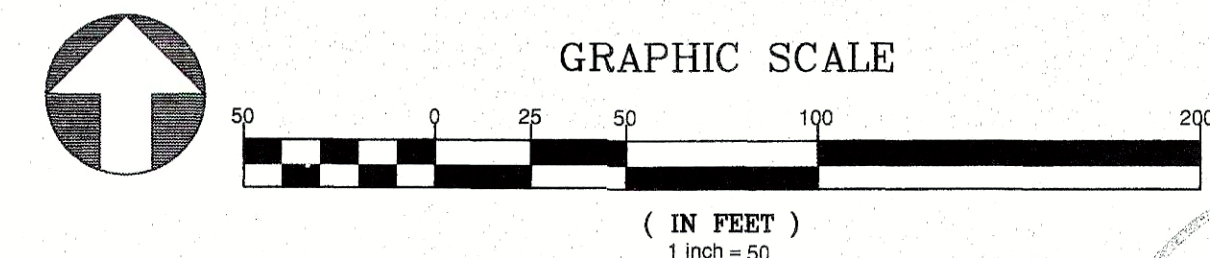
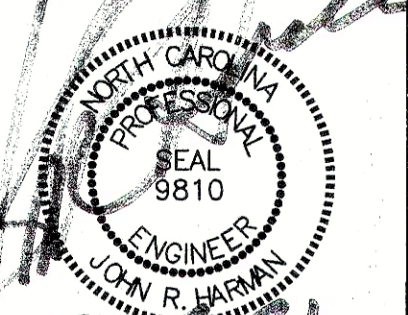


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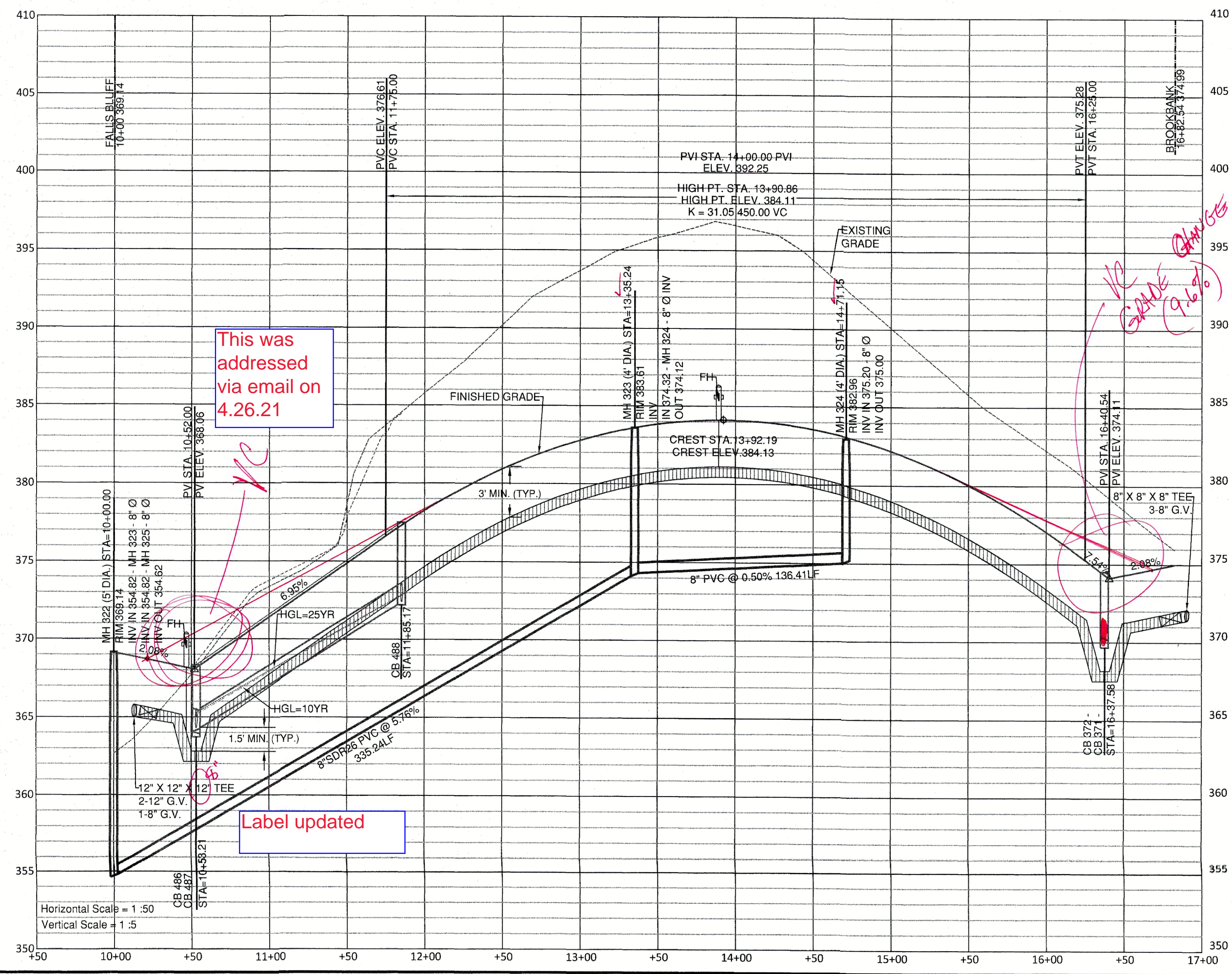
**KALAS FALLS PHASE 3**  
 1832 ROLESVILLE ROAD  
 WAKE COUNTY, NC

JOB NUMBER: 9900  
 CHECKED BY:  
 DRAWN BY:  
 DATE: FEB 18, 2021  
 SHEET TITLE:  
**HARVEST HILL WAY PLAN & PROFILE**  
 SHEET NO.: 12.0





ELAM FIELD CT PLAN AND PROFILE



This was addressed via email on 4.26.21

This was addressed via email on 4.26.21

Label updated

**GENERAL NOTE:**  
 1. ALL WATERLINE AND STORM CROSSINGS SHALL HAVE A MINIMUM OF 1.5' VERTICAL CLEARANCE. IF THIS CANNOT BE ACHIEVED THEN A CRADLE IS TO BE USED SEE DETAIL S-49 ON SHEET CD10

UTILITIES LEGEND	
---	EXISTING BOUNDARY
---	EXISTING WETLANDS
---	EXISTING 50' NEUSE RIPARIAN BUFFER
---	EXISTING BUFFER ZONES
---	PROPOSED LOT LINE
---	PROPOSED ROW
---	PROPOSED SIDEWALK
---	PROPOSED BOC
---	PROPOSED EOP
---	PROPOSED CENTERLINE
---	PROPOSED EASEMENT
=====	PHASELINE
▨	RIP RAP
▧	SEDIMENT BASIN WEIR
⊙	JUNCTION BOX
⊞	PROPOSED CATCH BASIN
⊞	PROPOSED YARD INLET
⊞	PROPOSED DROP INLET
⊞	PROPOSED FLARED END SECTION
⊞	PROPOSED WATER METER
⊞	PROPOSED SEWER SERVICE
⊞	PROPOSED MANHOLE
⊞	PROPOSED FIRE HYDRANT
⊞	PROPOSED WATER VALVE
⊞	PROPOSED WATER REDUCER
---	PROPOSED SEWER LINE
---	PROPOSED WATER LINE
---	PROPOSED STORM WATER
▨	EXISTING WETLANDS AREA
□	OPEN SPACE
▨	FUTURE PHASING
▨	EXISTING PHASING

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**KALAS FALLS PHASE 3**  
 1832 ROLESVILLE ROAD  
 WAKE COUNTY, NC

JOB NUMBER: 9900  
 CHECKED BY:  
 DRAWN BY:  
 DATE: FEB 18, 2021  
 SHEET TITLE:  
**ELAM FIELD CT. PLAN & PROFILE**  
 SHEET NO.: 13.0

**SITE PERMITTING APPROVAL**  
 Water and Sewer Permits (if applicable)  
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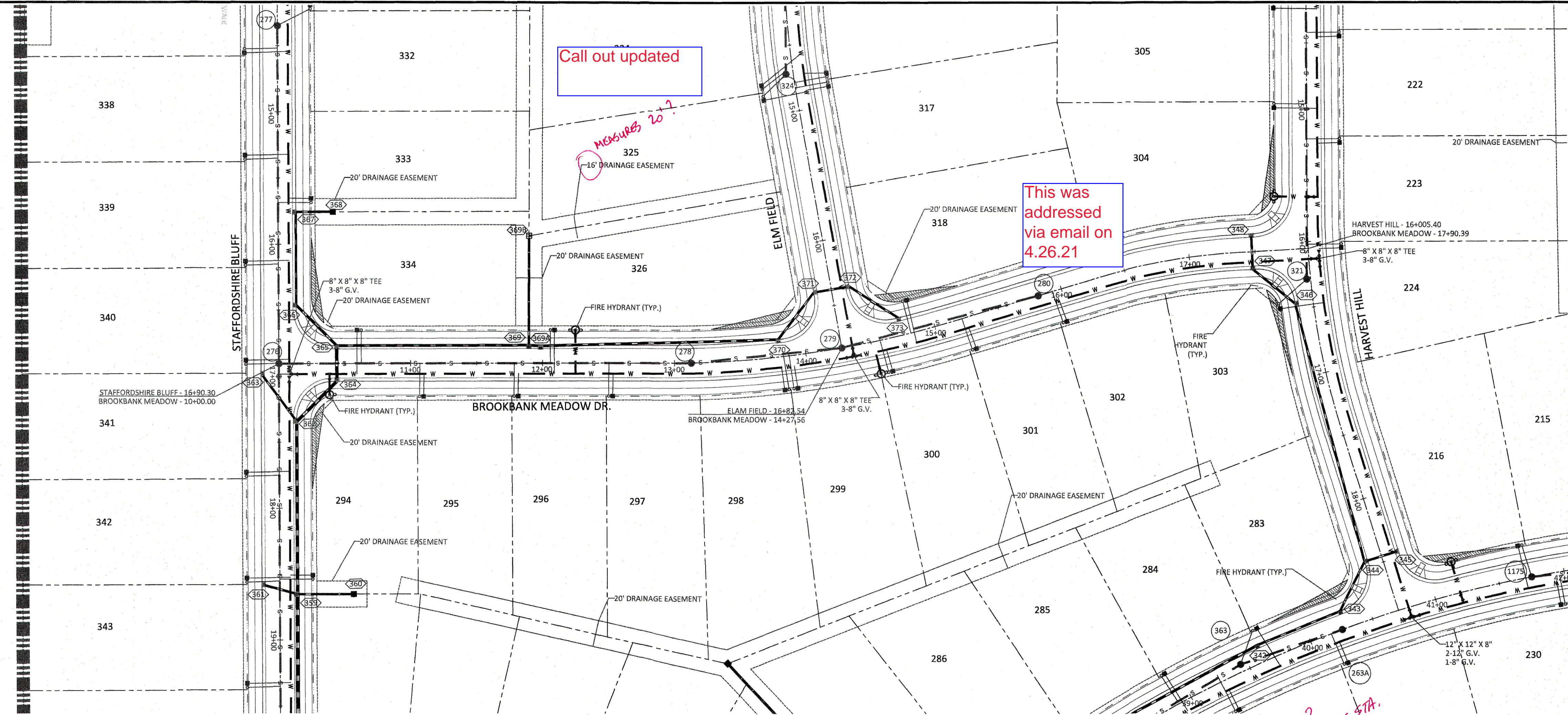
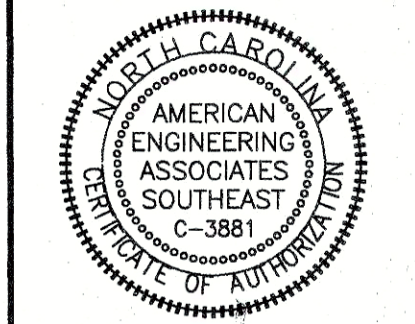
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 City of Raleigh Public Utilities Department Permit #

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 City of Raleigh Development Approval \_\_\_\_\_  
 Raleigh Water Review Officer \_\_\_\_\_

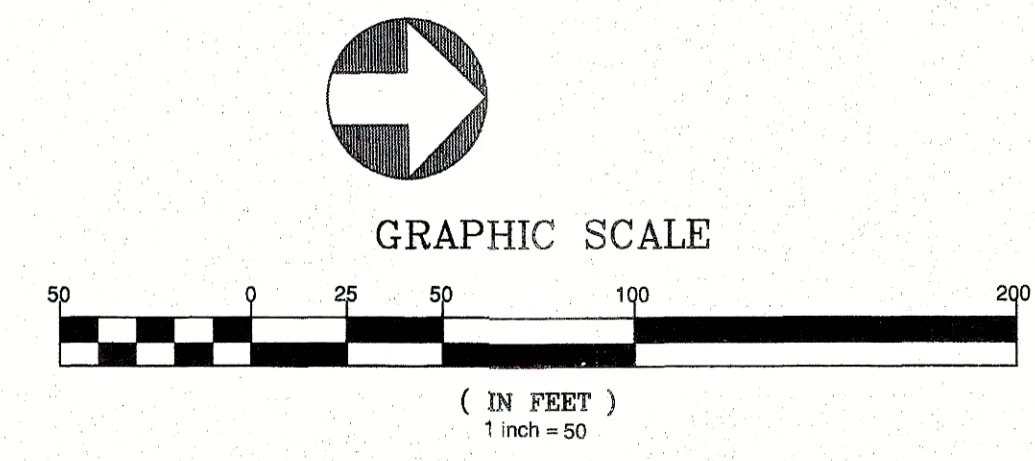
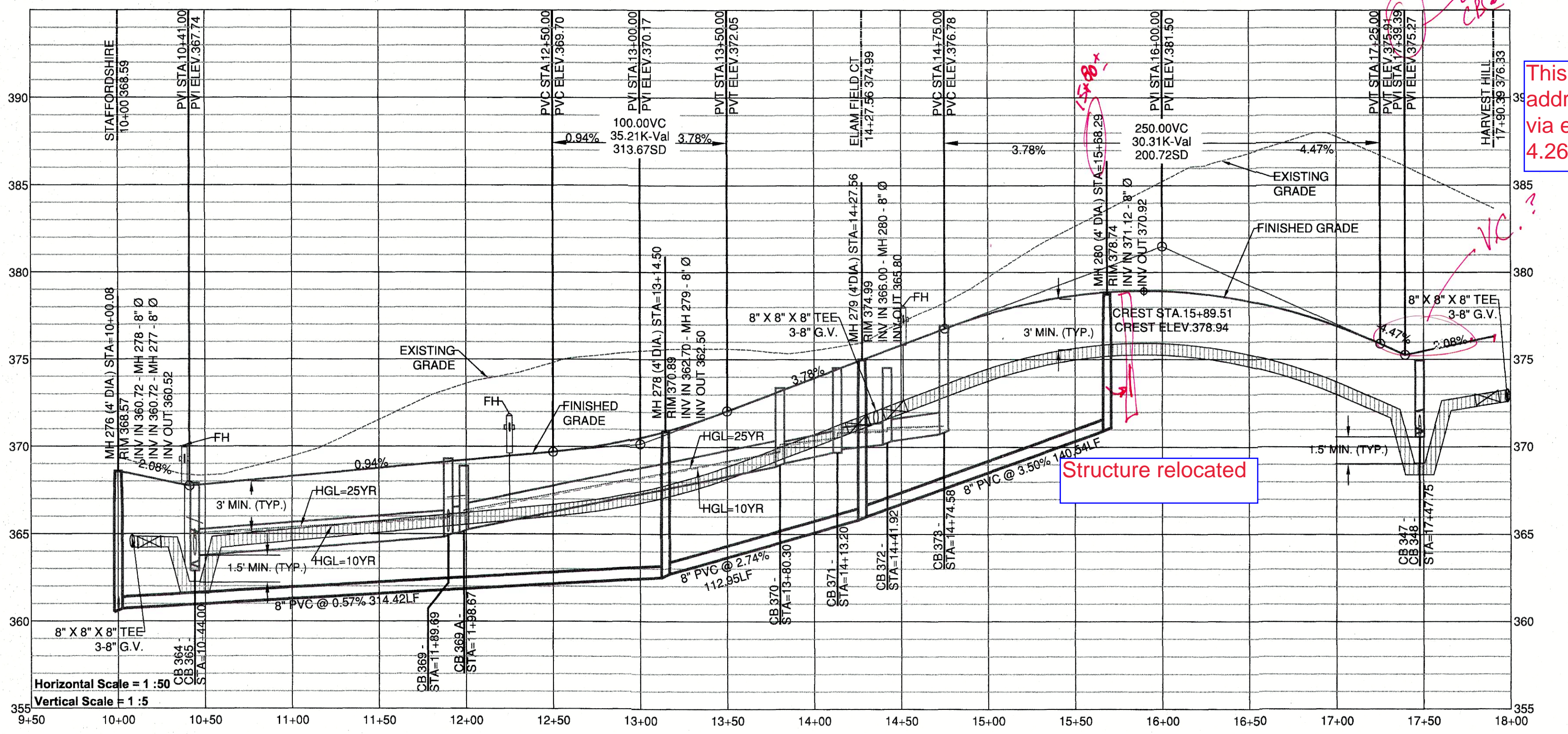






**BROOKBANK MEADOW DR PLAN AND PROFILE**

UTILITIES LEGEND	
	EXISTING BOUNDARY
	EXISTING WETLANDS
	EXISTING 50' NEUSE RIPARIAN BUFFER
	EXISTING BUFFER ZONES
	PROPOSED LOT LINE
	PROPOSED ROW
	PROPOSED SIDEWALK
	PROPOSED BOC
	PROPOSED EOP
	PROPOSED CENTERLINE
	PROPOSED EASEMENT
	PHASILINE
	RIP RAP
	SEDIMENT BASIN WEIR
	JUNCTION BOX
	PROPOSED CATCH BASIN
	PROPOSED YARD INLET
	PROPOSED DROP INLET
	PROPOSED FLARED END SECTION
	PROPOSED WATER METER
	PROPOSED SEWER SERVICE
	PROPOSED MANHOLE
	PROPOSED FIRE HYDRANT
	PROPOSED WATER VALVE
	PROPOSED WATER REDUCER
	PROPOSED SEWER LINE
	PROPOSED WATER LINE
	PROPOSED STORM WATER
	EXISTING WETLANDS AREA
	OPEN SPACE
	FUTURE PHASING
	EXISTING PHASING



GENERAL NOTE:  
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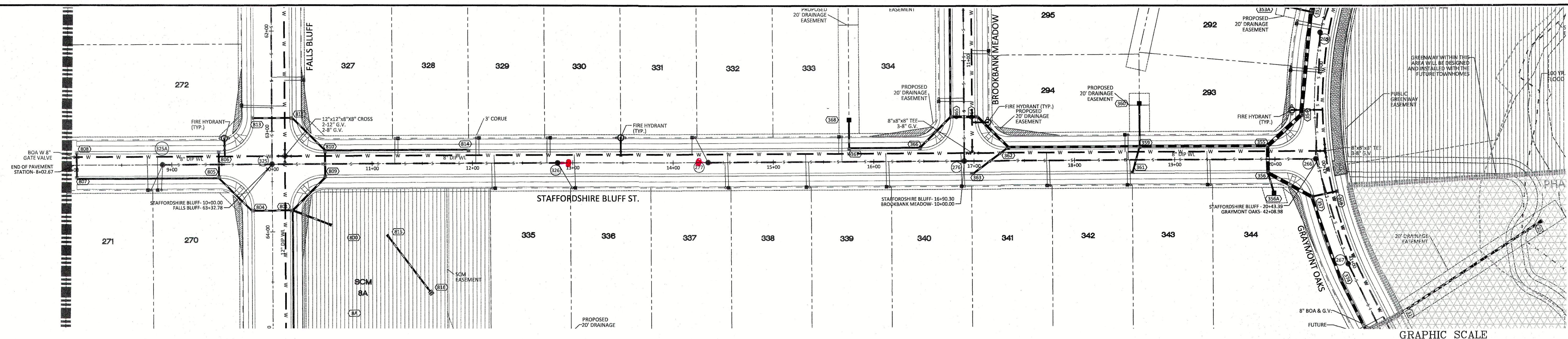
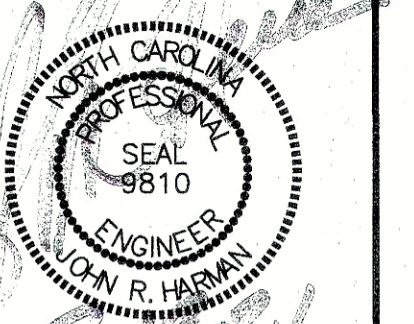


**STIPULATION FOR REUSE**  
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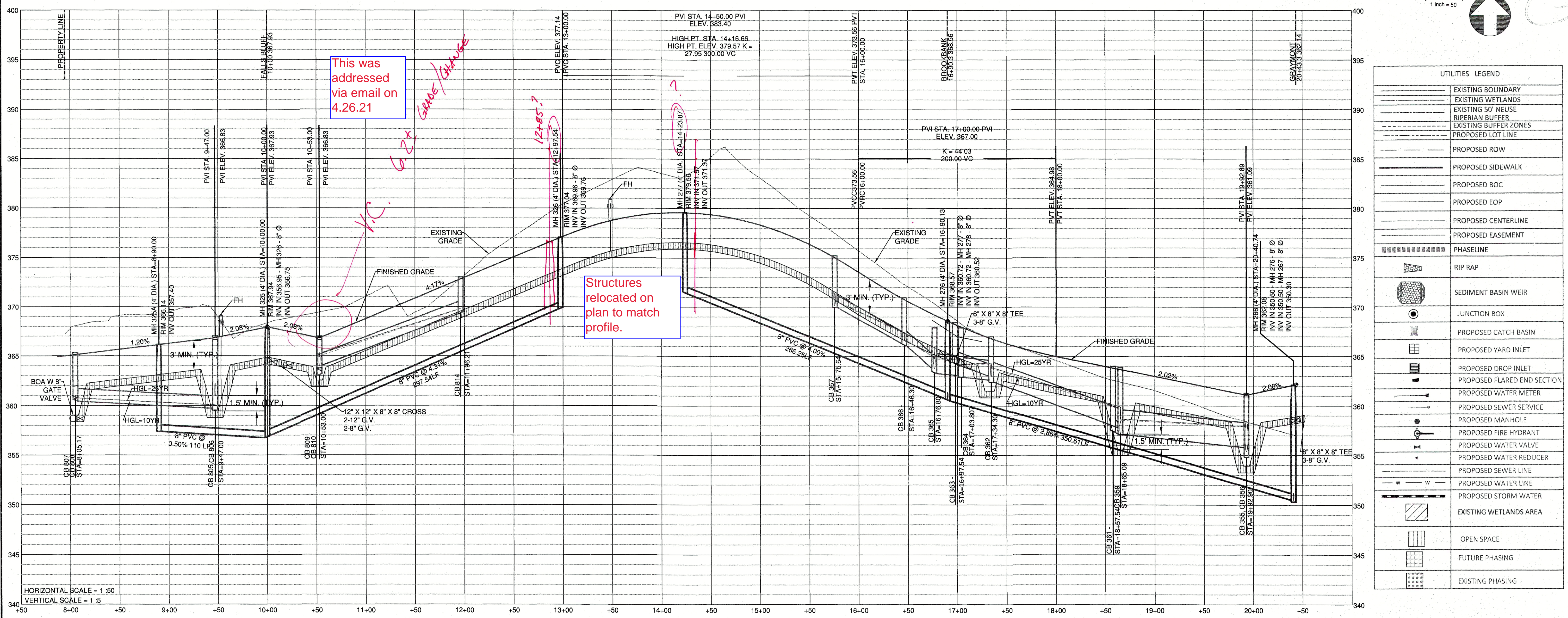
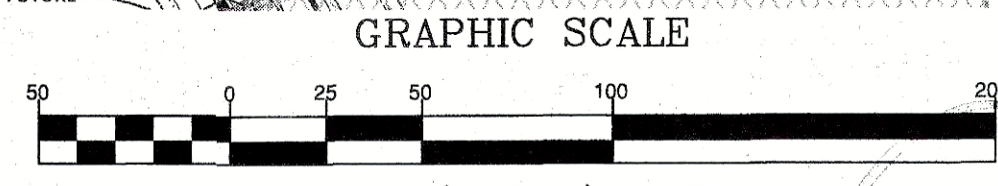
**KALAS FALLS PHASE 3**  
 1832 ROLESVILLE ROAD  
 WAKE COUNTY, NC

JOB NUMBER: 9900  
 CHECKED BY:  
 DRAWN BY:  
 DATE: FEB 18, 2021  
 SHEET TITLE:  
**BROOKBANK MEADOW DRIVE PLAN & PROFILE**  
 SHEET NO.: 14.0





STAFFORDSHIRE BLUFF ST PLAN AND PROFILE



This was addressed via email on 4.26.21

*VIC. 6.2x same change*

Structures relocated on plan to match profile.

UTILITIES LEGEND	
	EXISTING BOUNDARY
	EXISTING WETLANDS
	EXISTING 50' NEUSE RIPARIAN BUFFER
	EXISTING BUFFER ZONES
	PROPOSED LOT LINE
	PROPOSED ROW
	PROPOSED SIDEWALK
	PROPOSED BOC
	PROPOSED EOP
	PROPOSED CENTERLINE
	PROPOSED EASEMENT
	PHASELINE
	RIP RAP
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	PROPOSED WATER REDUCER
	PROPOSED SEWER LINE
	PROPOSED WATER LINE
	PROPOSED STORM WATER
	EXISTING WETLANDS AREA
	OPEN SPACE
	FUTURE PHASING
	EXISTING PHASING

NO.	DATE	REVISION

**STIPULATION FOR REUSE**  
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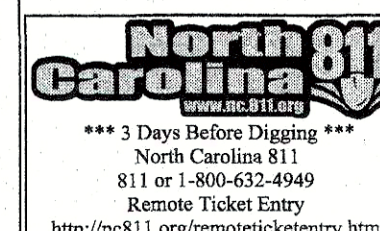
**KALAS FALLS  
PHASE 3  
1832 ROLESVILLE ROAD  
WAKE COUNTY, NC**

JOB NUMBER: 9900  
CHECKED BY:  
DRAWN BY:  
DATE: FEB 18, 2021  
SHEET TITLE:  
**STAFFORDSHIRE  
BLUFF STREET  
PLAN & PROFILE**  
SHEET NO.: 15.0

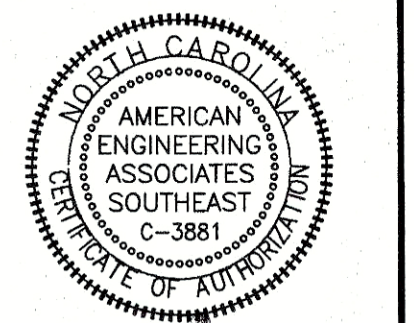
**GENERAL NOTE:**  
1. ALL WATERLINE AND STORM CROSSINGS SHALL HAVE A MINIMUM OF 1.5' VERTICAL CLEARANCE. IF THIS CANNOT BE ACHIEVED THEN A CRADLE IS TO BE USED SEE DETAIL S-49 ON SHEET CD10

**SITE PERMITTING APPROVAL**  
**Water and Sewer Permits (if applicable)**  
The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # \_\_\_\_\_  
The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # \_\_\_\_\_  
The City of Raleigh consents to the connection to its public sewer system and extension of the private sewer collection system as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook.  
City of Raleigh Public Utilities Department Permit # \_\_\_\_\_

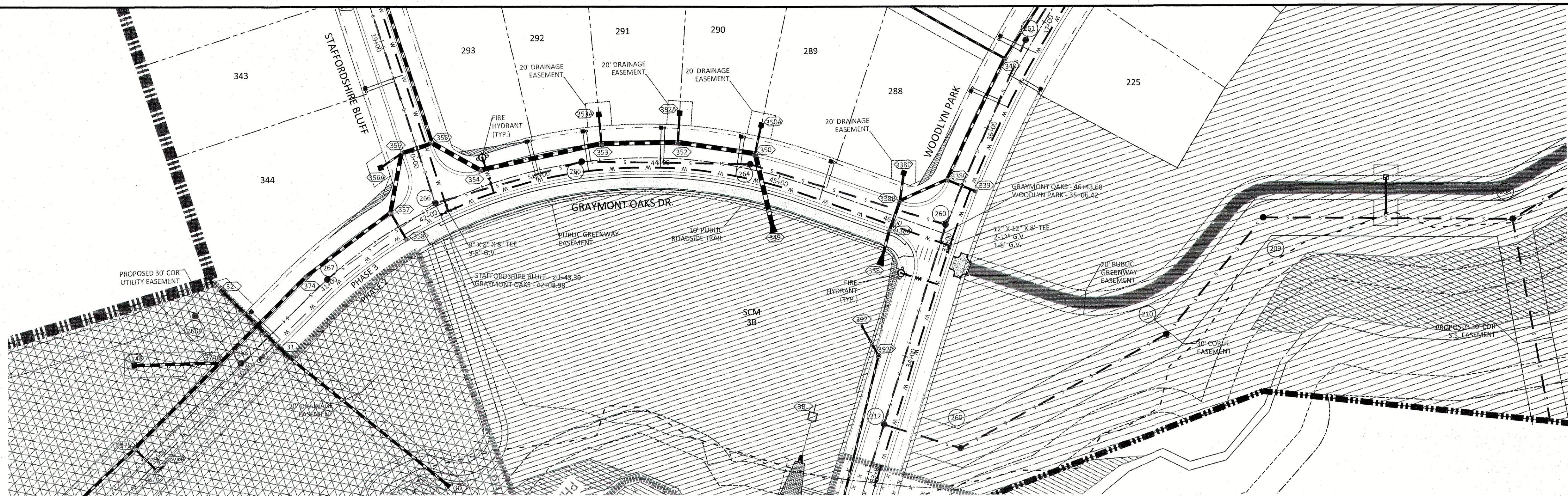
**CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION**  
Electronic Approval: This approval is being issued electronically. This approval is valid only upon the signature of a City of Raleigh Review Officer below. The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the plans kept on file with the City. The electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.  
City of Raleigh Development Approval \_\_\_\_\_  
Raleigh Water Review Officer \_\_\_\_\_



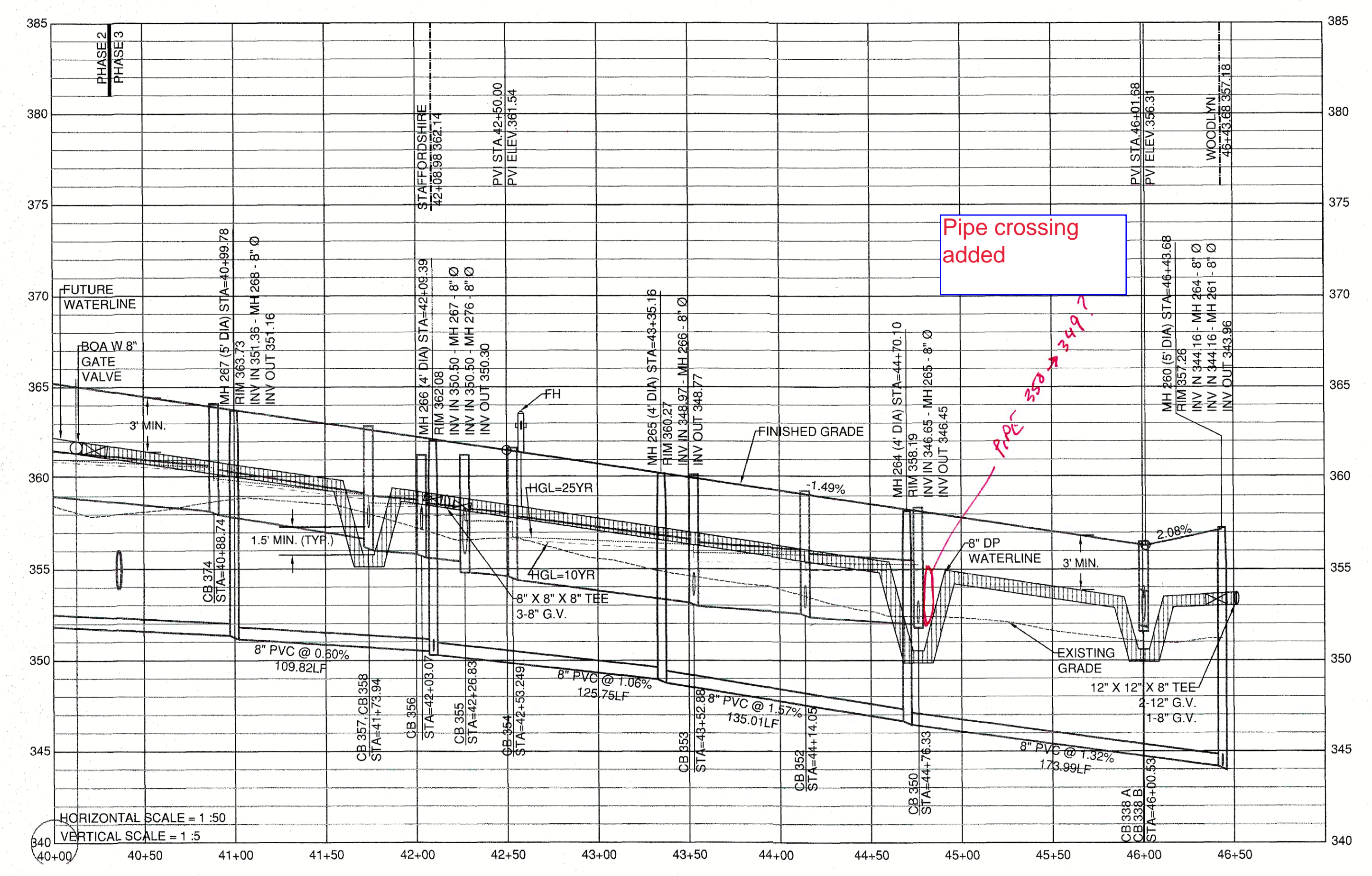
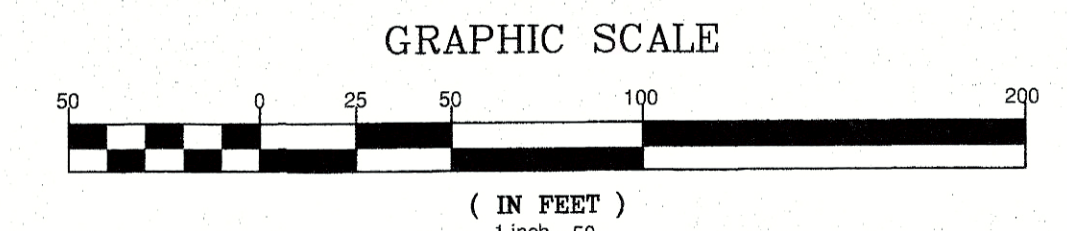




2/14/21  
 JOHN R. WILSON  
 ENGINEER



GRAYMONT OAKS DR PLAN AND PROFILE



HORIZONTAL SCALE = 1:50  
 VERTICAL SCALE = 1:5

GENERAL NOTE:  
 1. ALL WATERLINE AND STORM CROSSINGS SHALL HAVE A MINIMUM OF 1.5' VERTICAL CLEARANCE. IF THIS CANNOT BE ACHIEVED THEN A CRADLE IS TO BE USED SEE DETAIL S-49 ON SHEET CD10

UTILITIES LEGEND	
	EXISTING BOUNDARY
	EXISTING WETLANDS
	EXISTING 50' NEUSE RIPARIAN BUFFER
	EXISTING BUFFER ZONES
	PROPOSED LOT LINE
	PROPOSED ROW
	PROPOSED SIDEWALK
	PROPOSED BOC
	PROPOSED EOP
	PROPOSED CENTERLINE
	PROPOSED EASEMENT
	PHASE LINE
	RIP RAP
	SEDIMENT BASIN WEIR
	JUNCTION BOX
	PROPOSED CATCH BASIN
	PROPOSED YARD INLET
	PROPOSED DROP INLET
	PROPOSED FLARED END SECTION
	PROPOSED WATER METER
	PROPOSED SEWER SERVICE
	PROPOSED MANHOLE
	PROPOSED FIRE HYDRANT
	PROPOSED WATER VALVE
	PROPOSED WATER REDUCER
	PROPOSED SEWER LINE
	PROPOSED WATER LINE
	PROPOSED STORM WATER
	EXISTING WETLANDS AREA
	OPEN SPACE
	FUTURE PHASING
	EXISTING PHASING

NO. DATE REVISION

STIPULATION FOR REUSE  
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**KALAS FALLS  
 PHASE 3  
 1832 ROLESVILLE ROAD  
 WAKE COUNTY, NC**

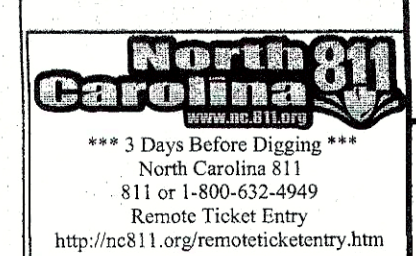
JOB NUMBER: 9900  
 CHECKED BY:  
 DRAWN BY:  
 DATE: FEB 18, 2021

SHEET TITLE:  
**GRAYMONT  
 OAKS DRIVE  
 PLAN & PROFILE**

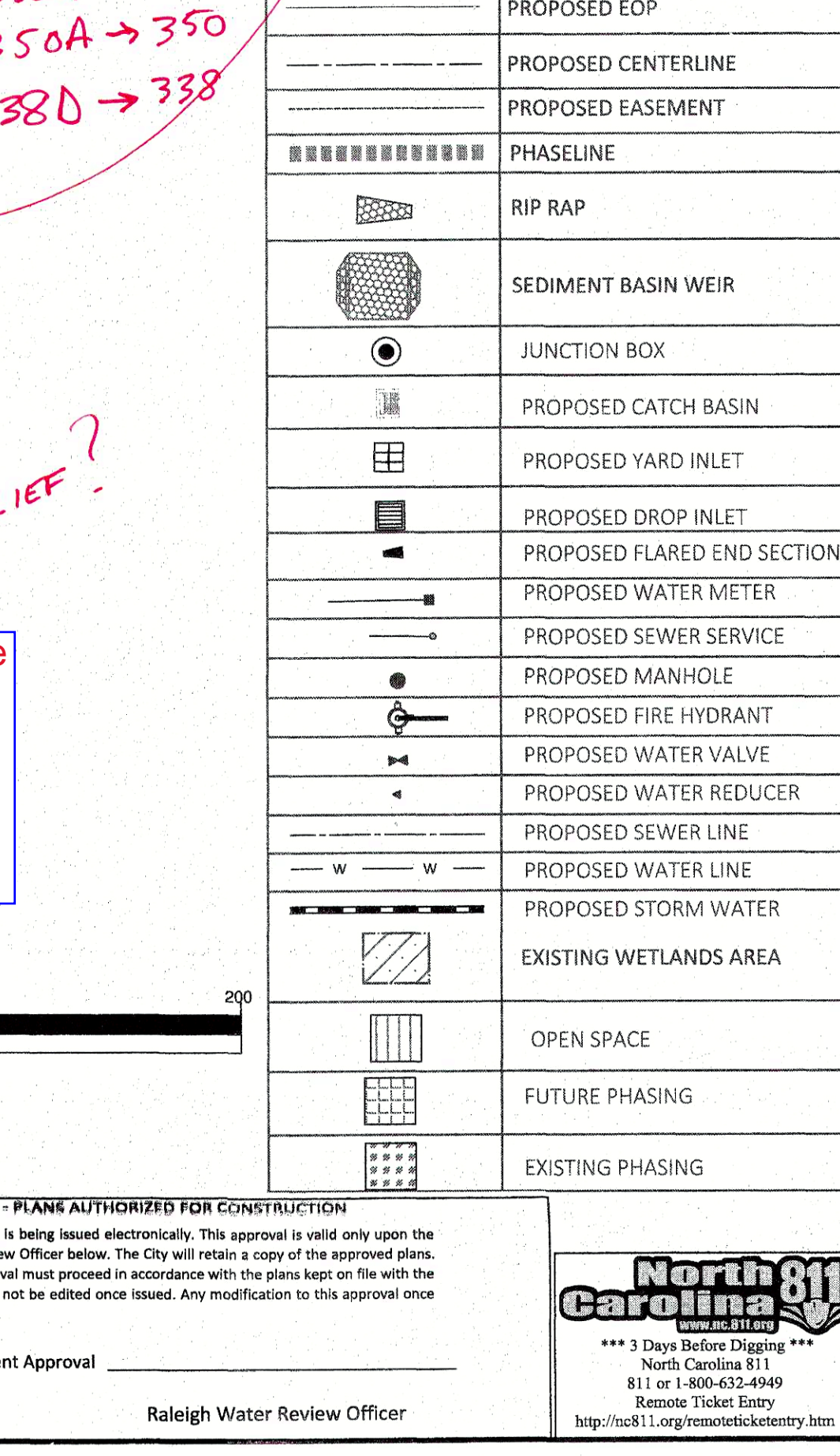
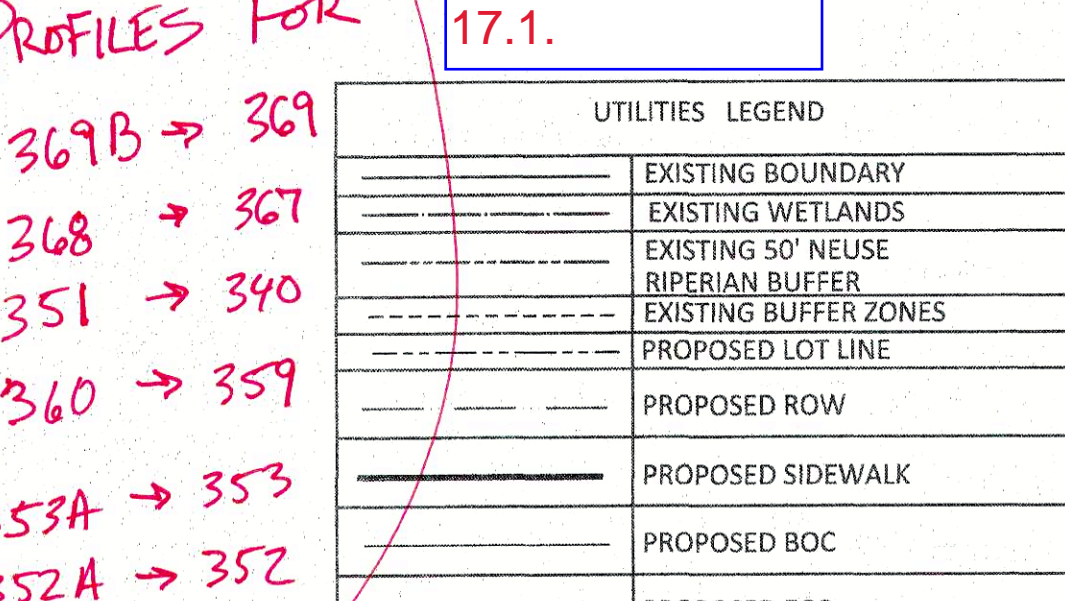
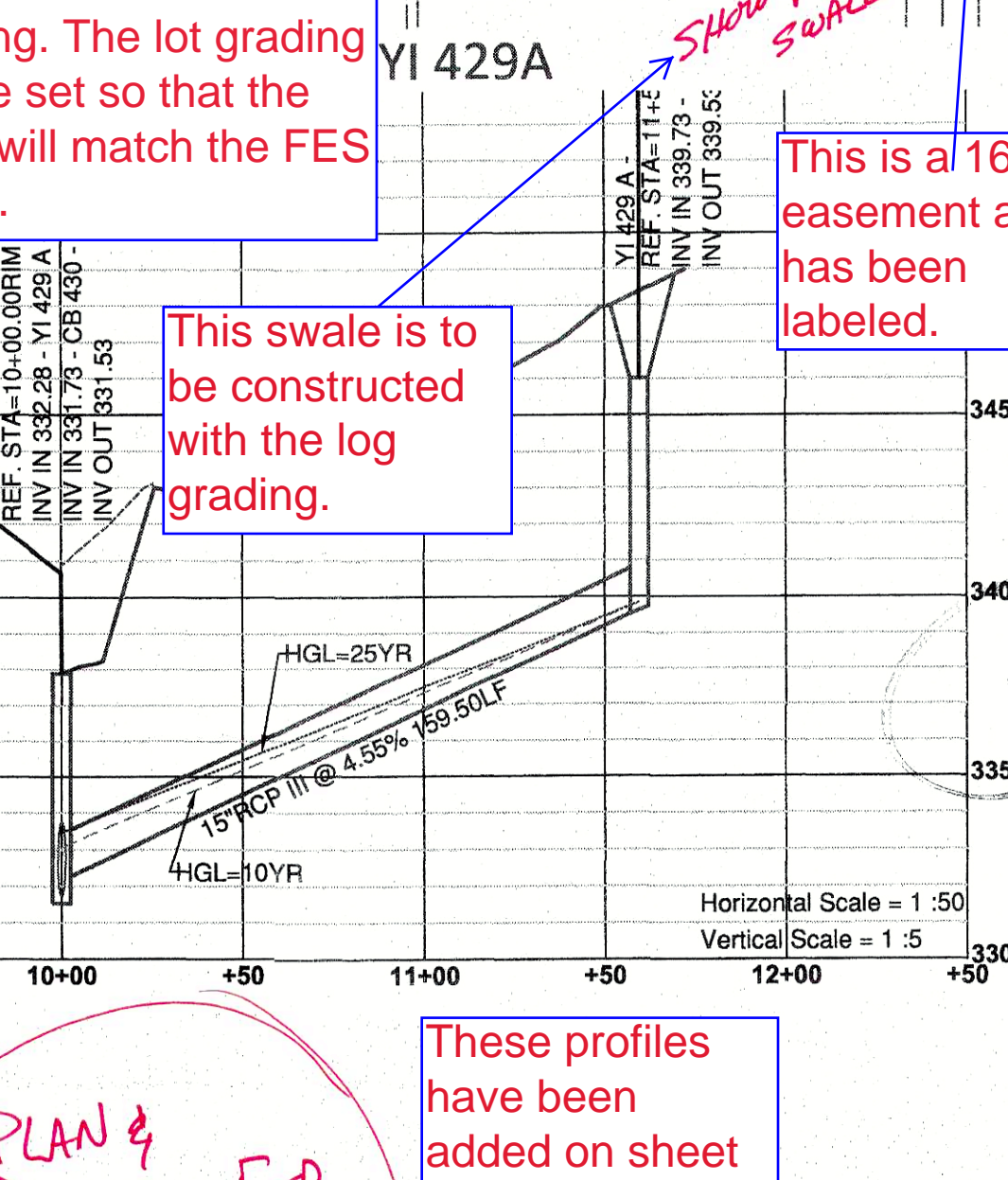
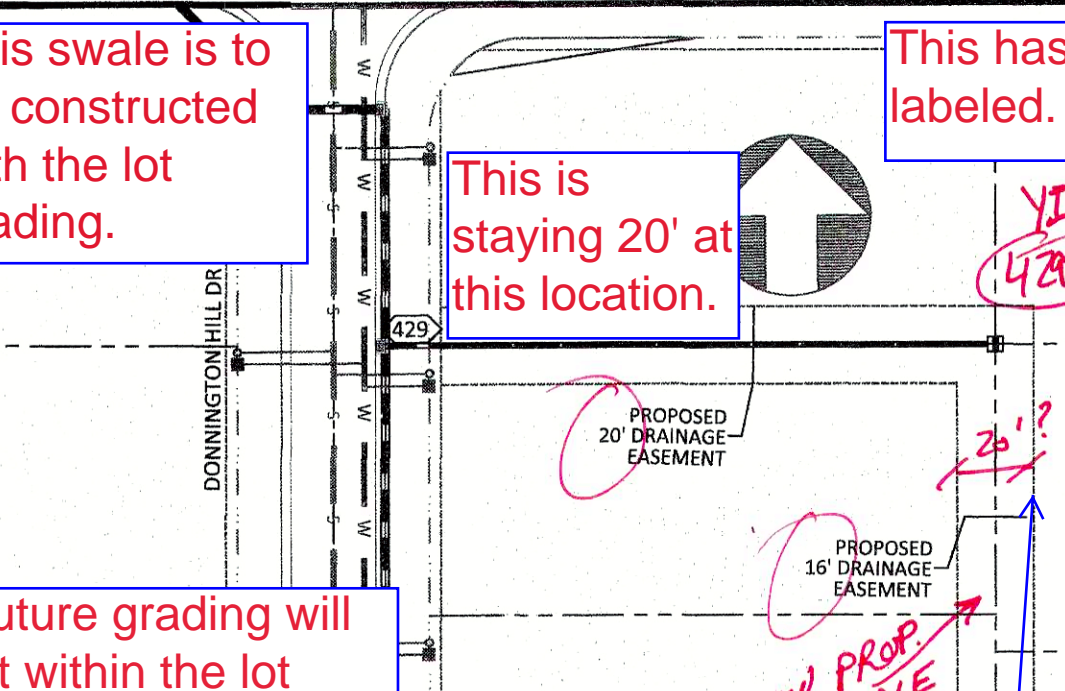
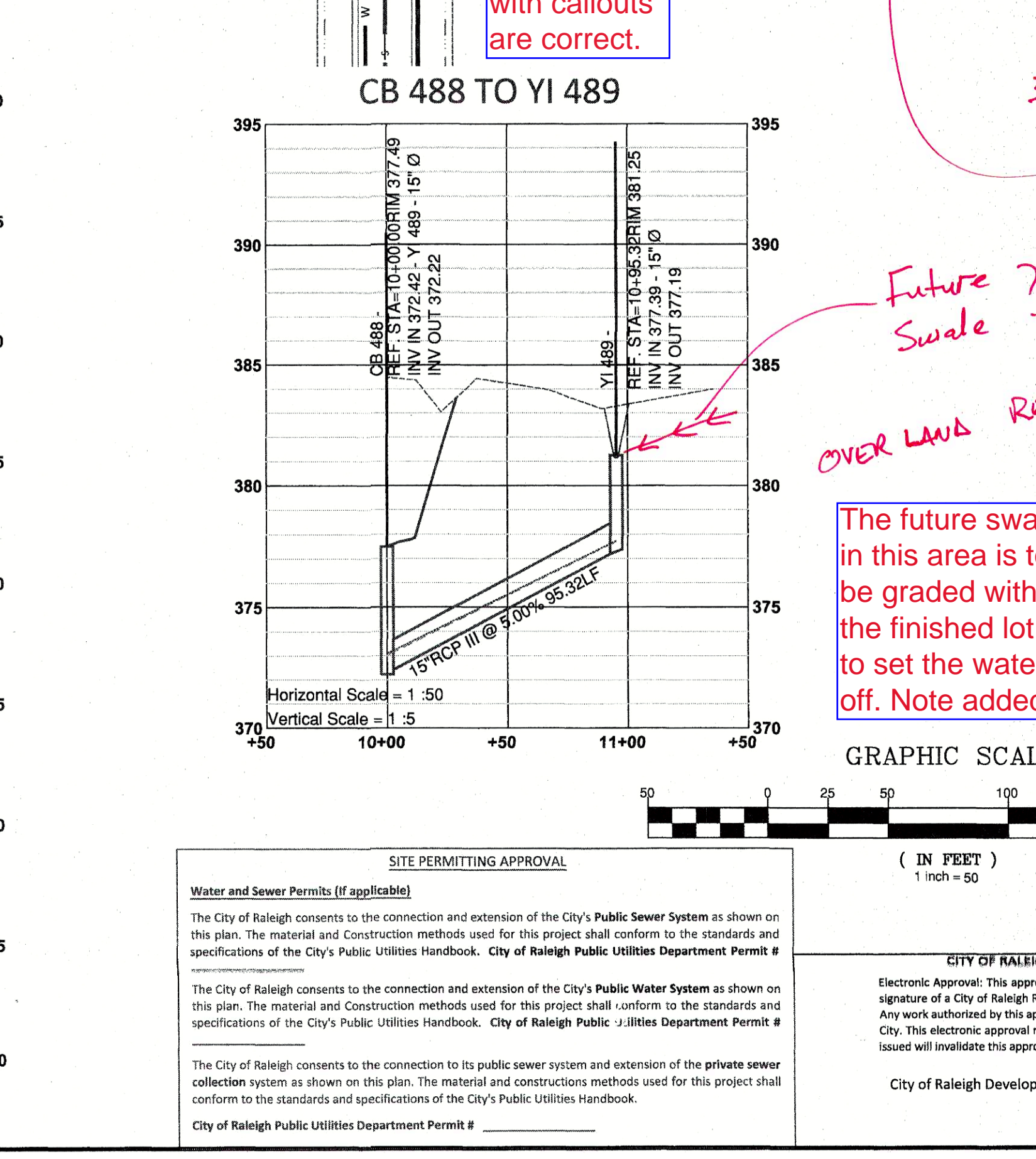
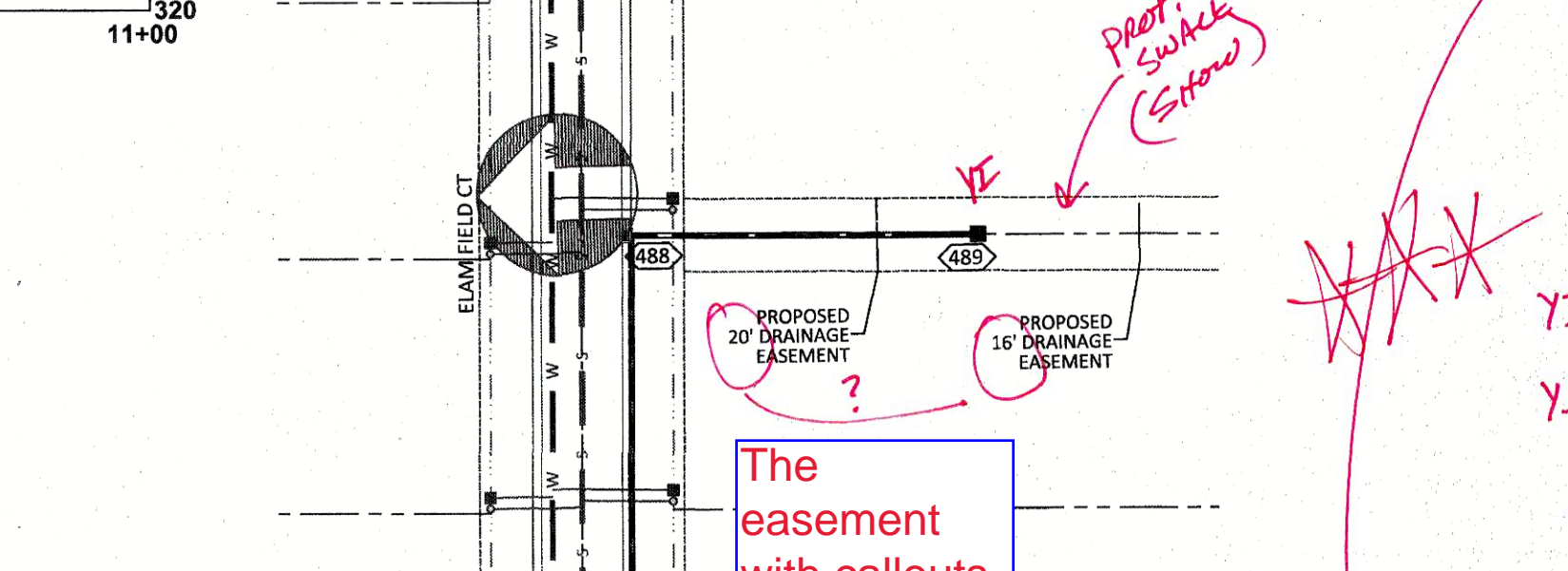
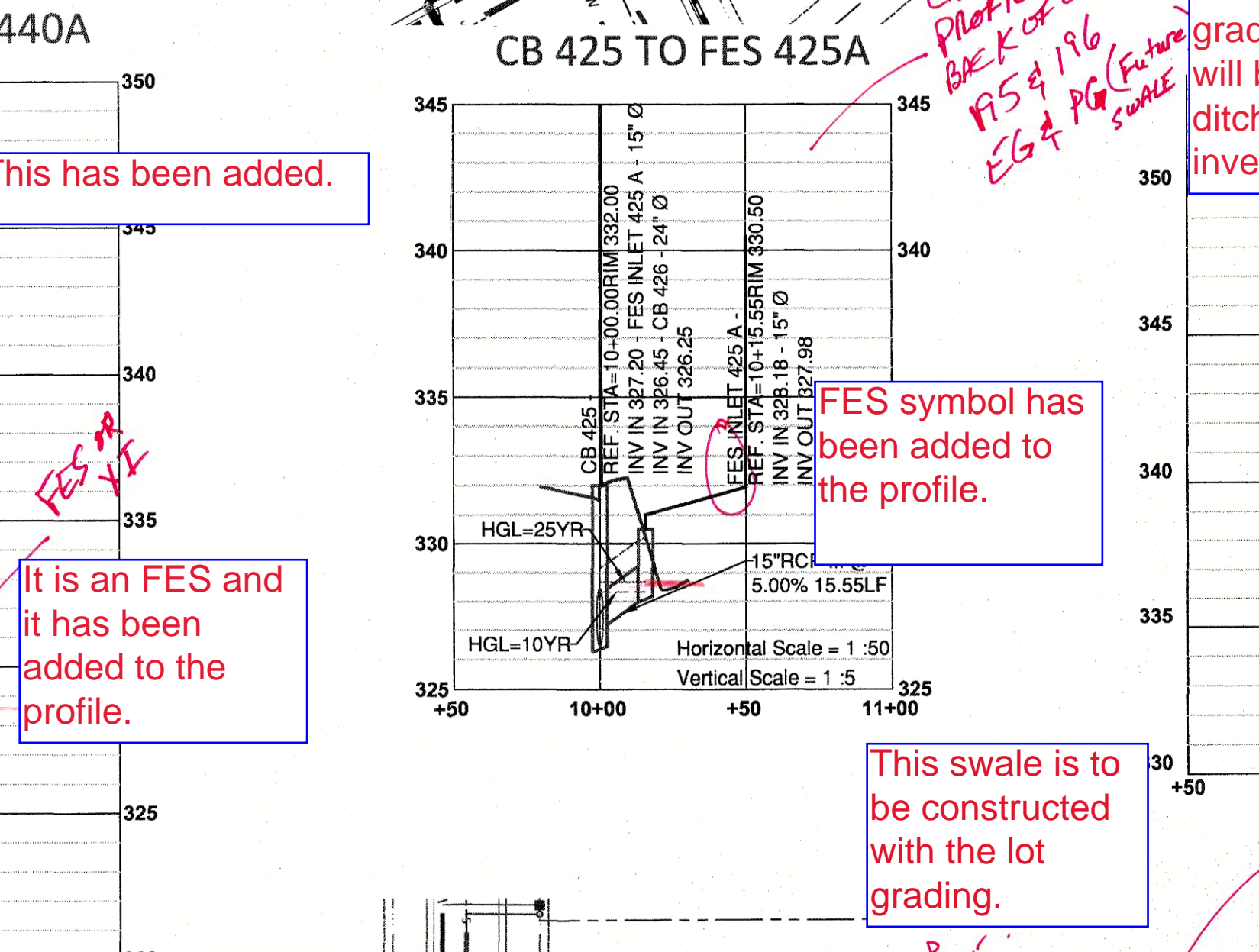
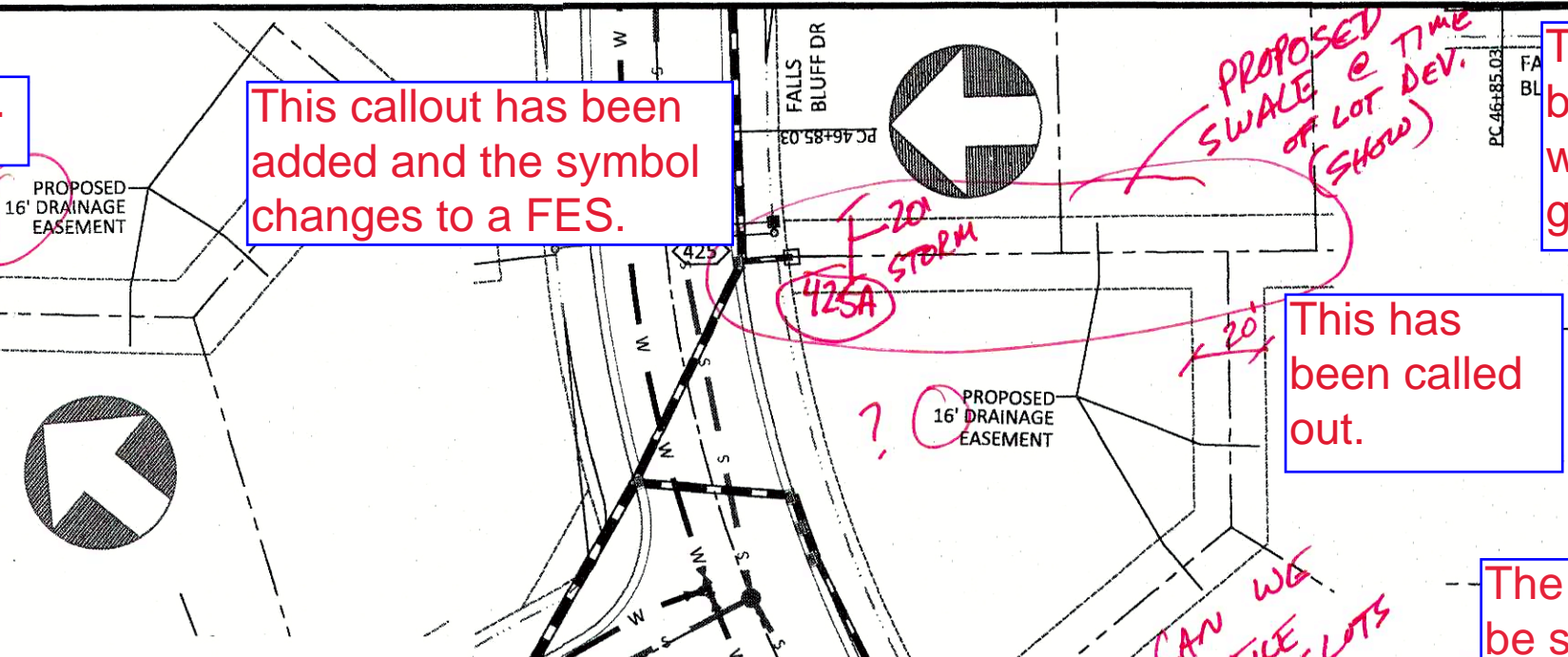
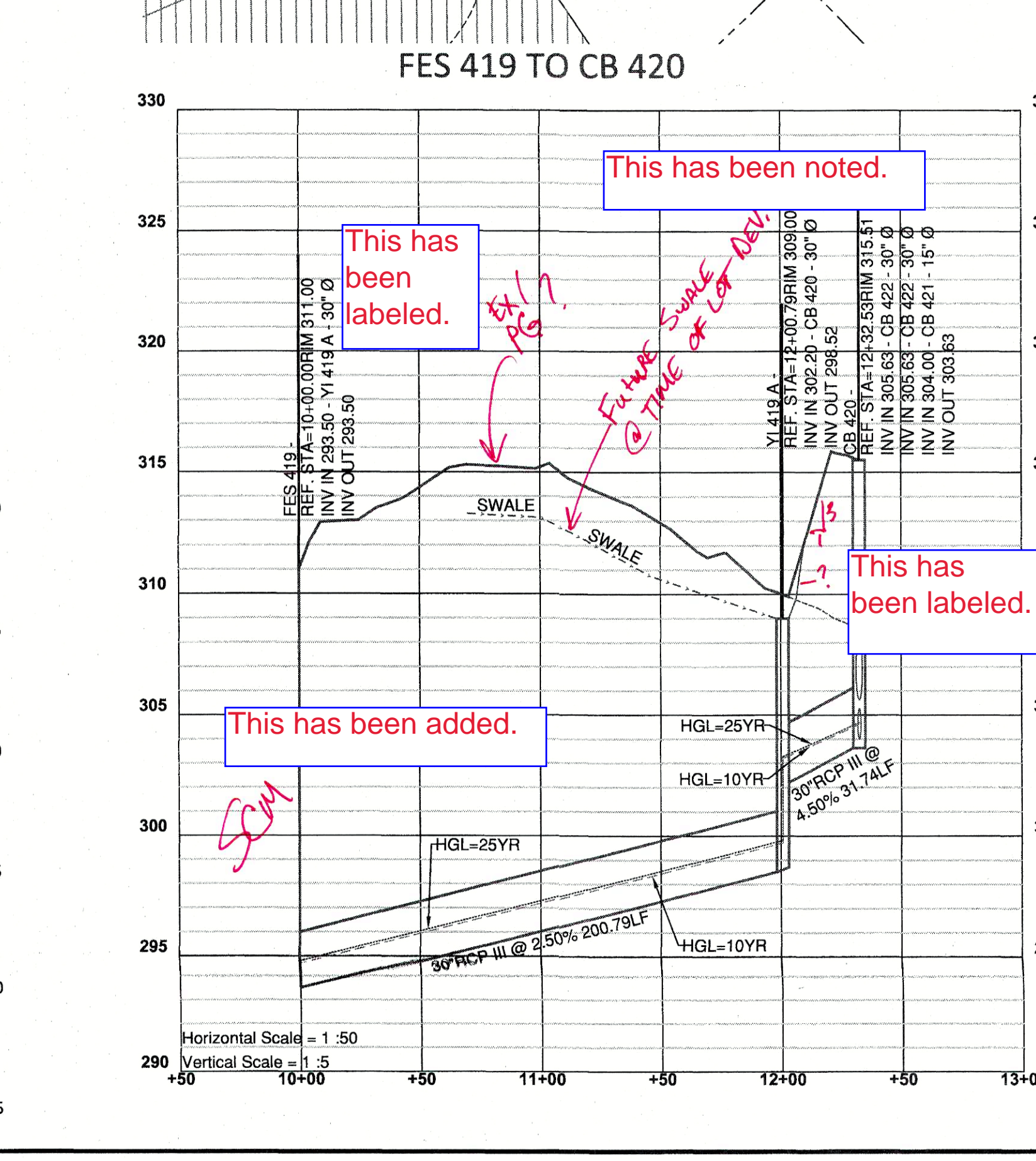
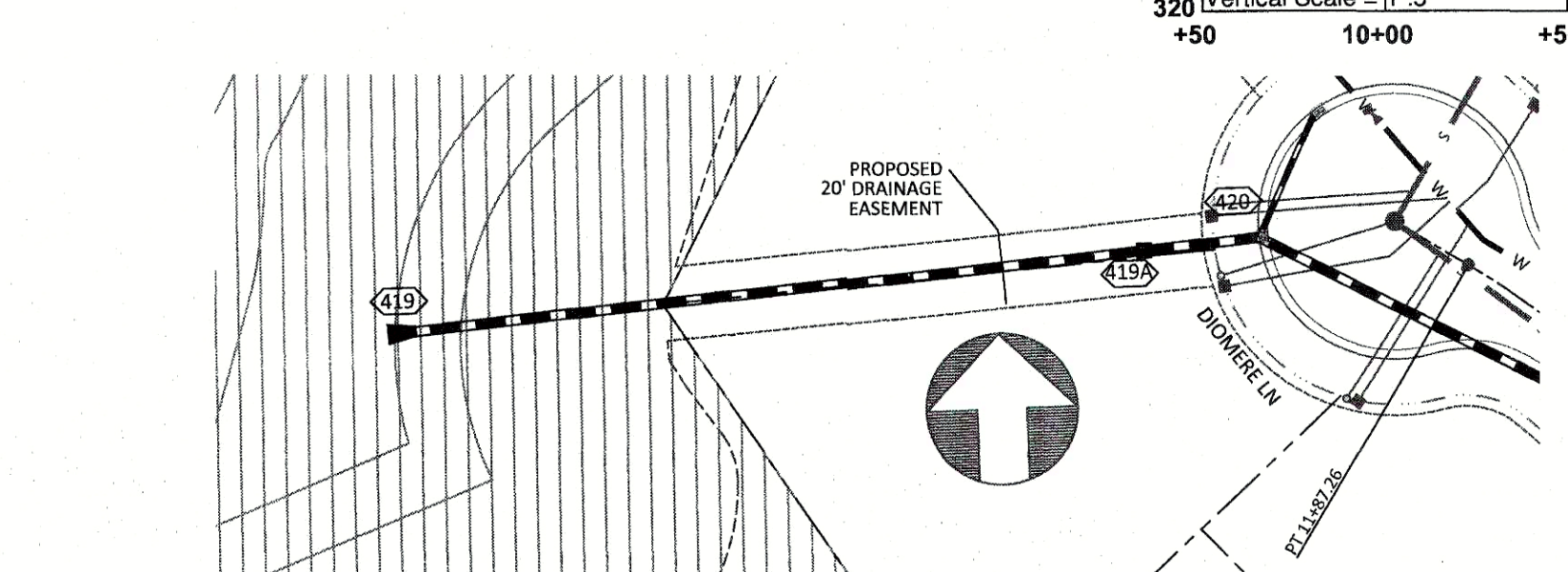
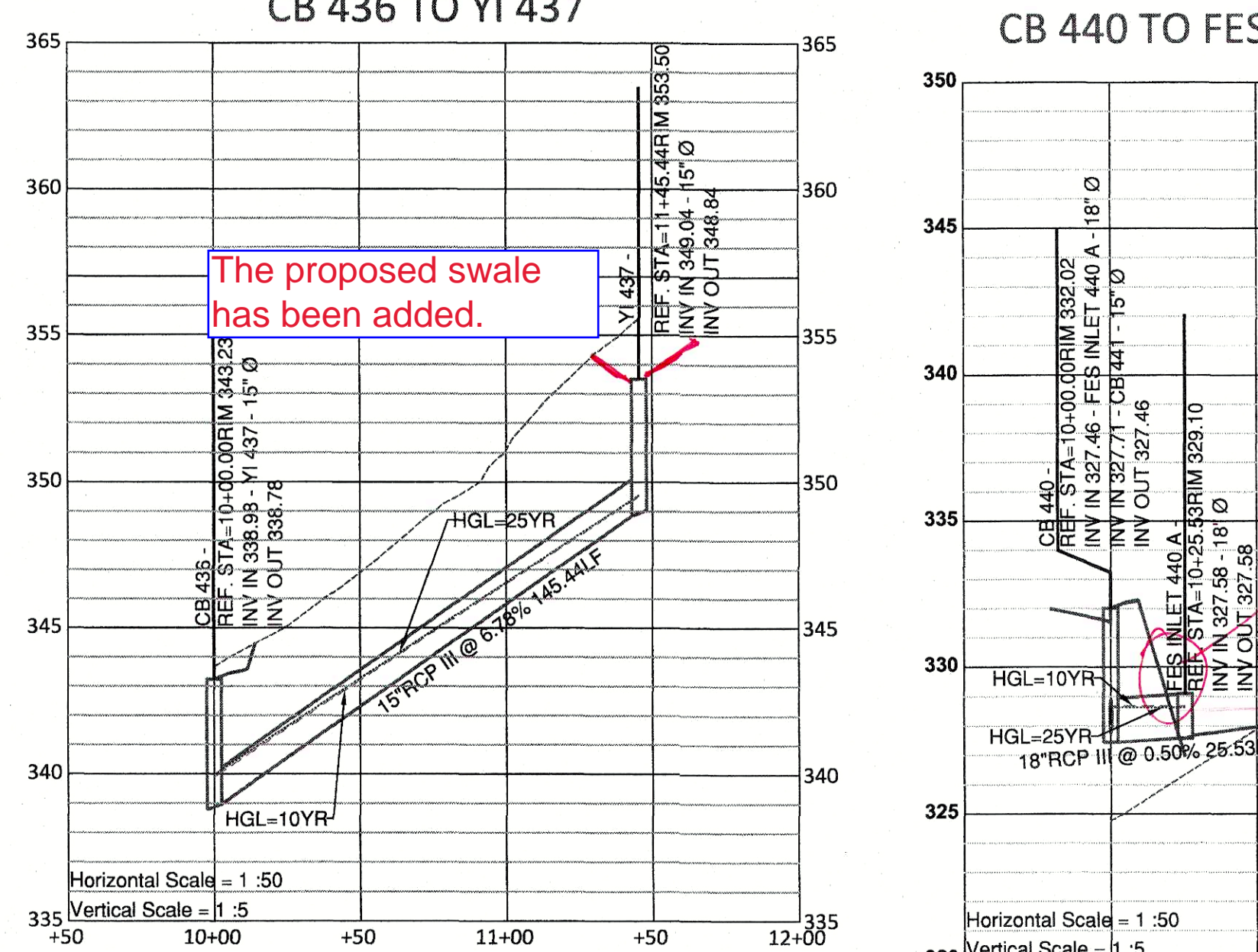
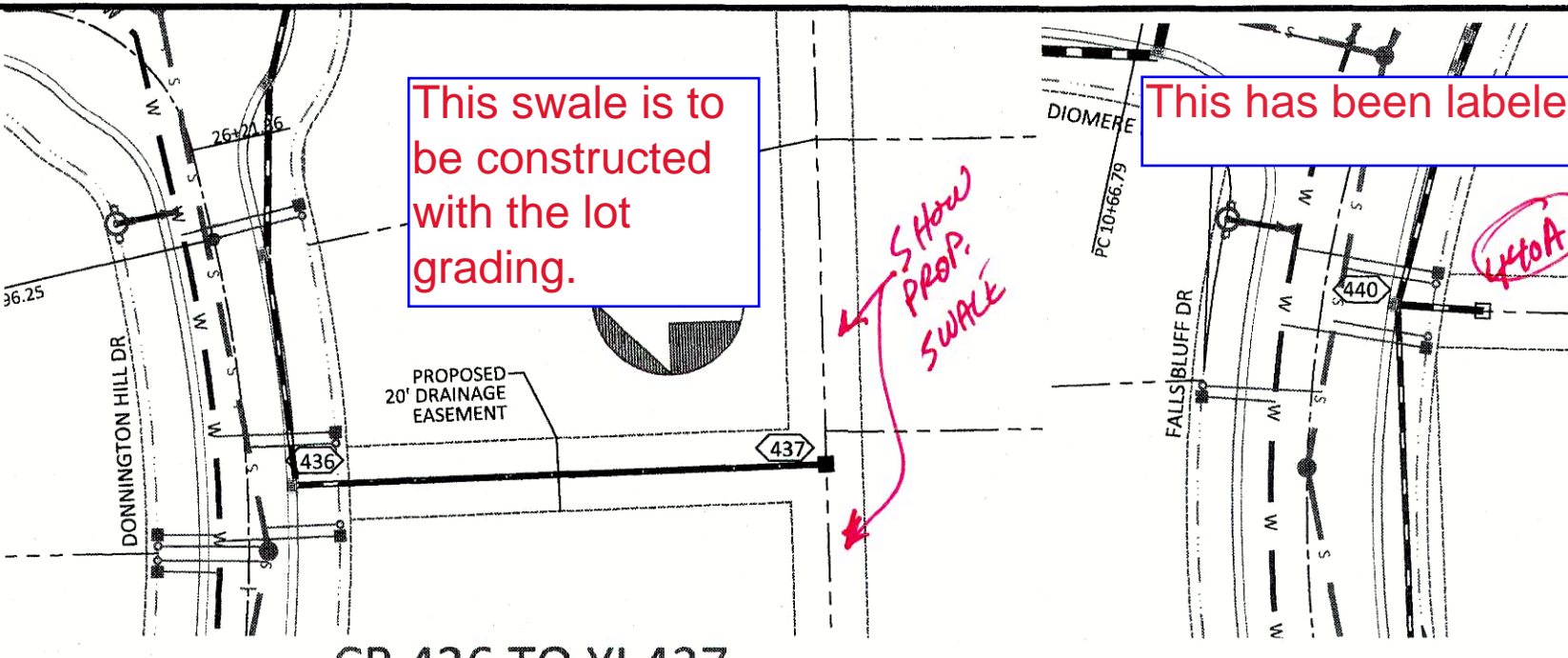
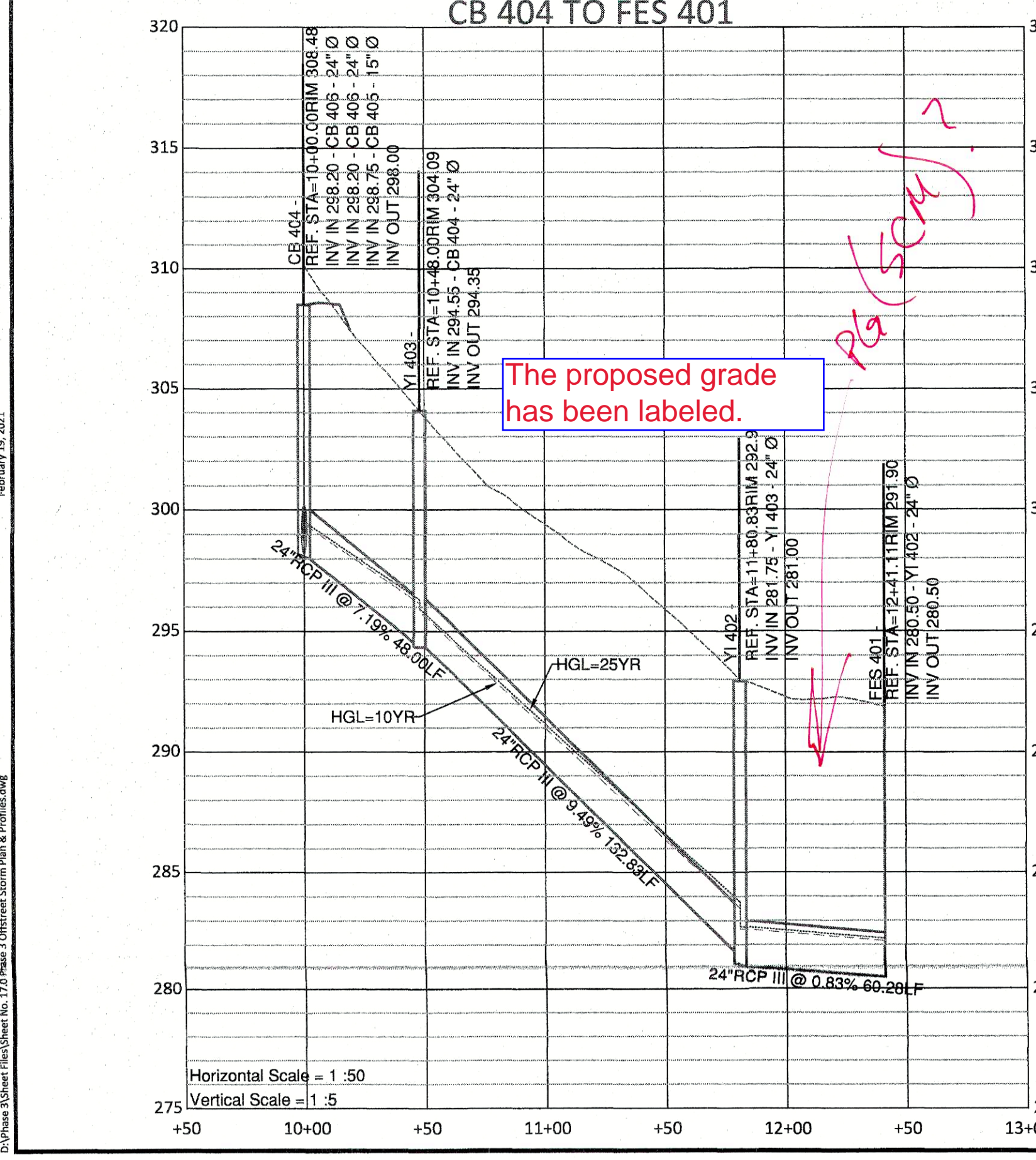
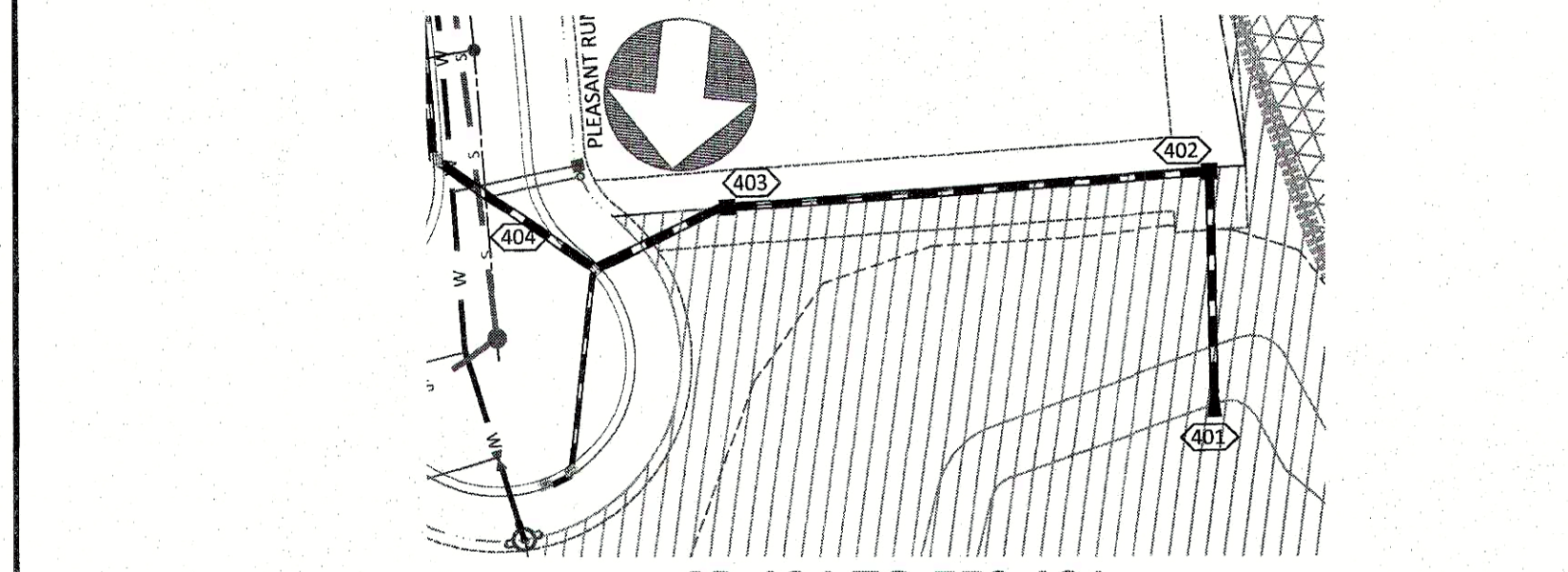
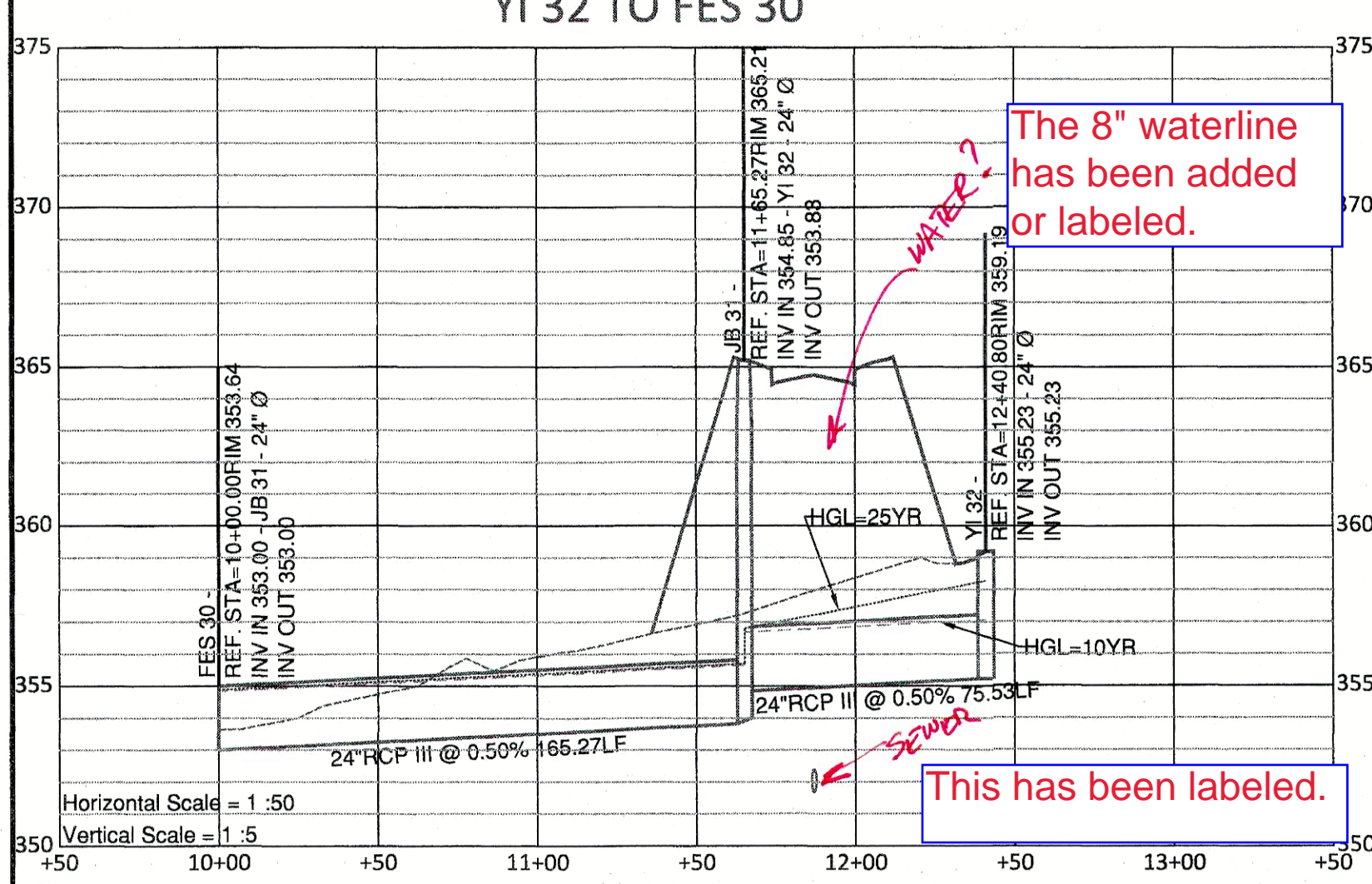
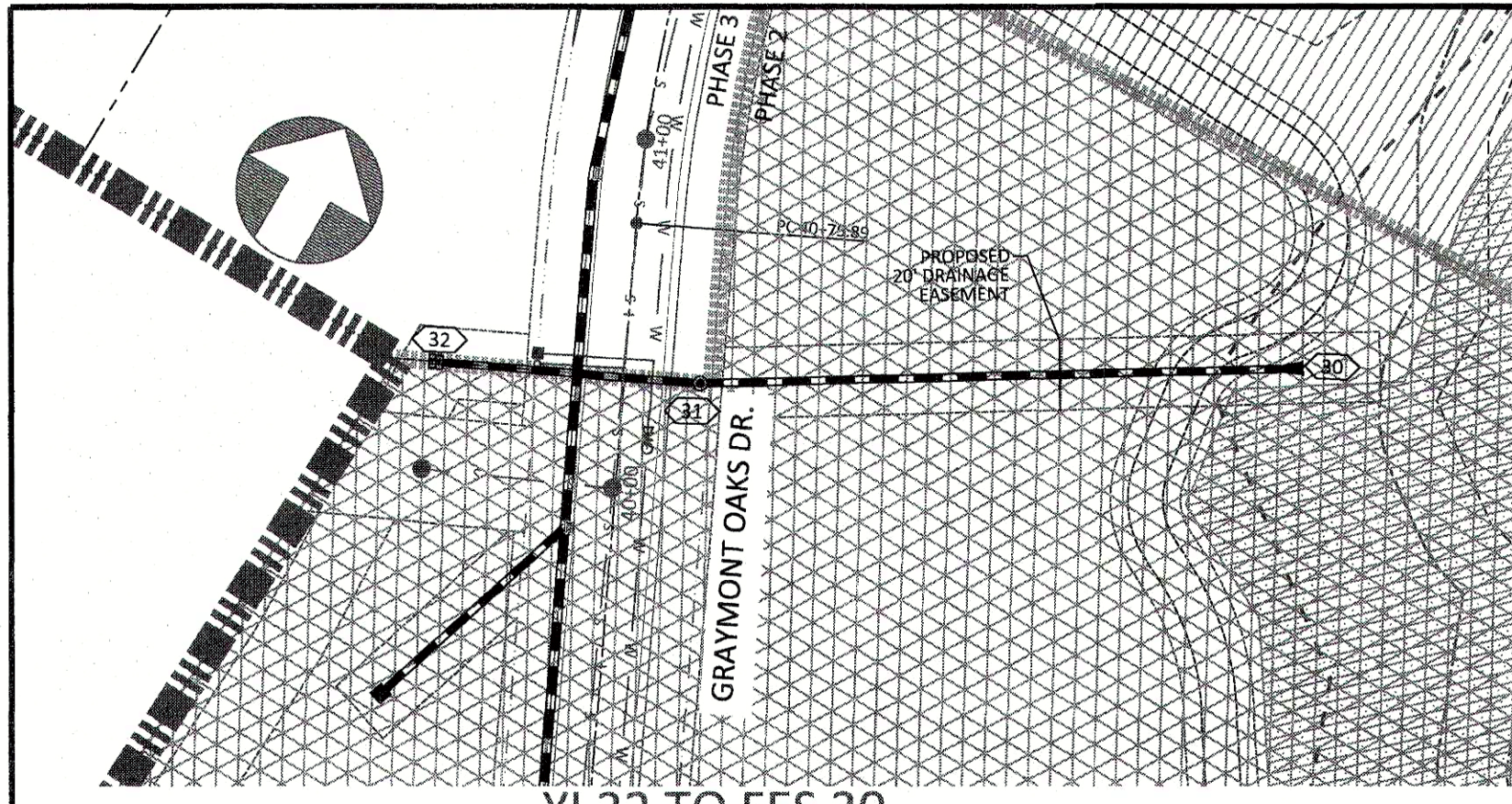
SHEET NO.:  
**16.0**

**SITE PERMITTING APPROVAL**  
 Water and Sewer Permits (if applicable)  
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 City of Raleigh Development Approval \_\_\_\_\_  
 Raleigh Water Review Officer







**AMERICAN Engineering**  
 American Engineering Associates - Southeast, P.A.  
 4020 Westchase Boulevard, Suite 450  
 Raleigh, NC 27607

AMERICAN ENGINEERING ASSOCIATES SOUTHEAST  
 PROFESSIONAL SEAL  
 9810  
 NORTH CAROLINA ENGINEER  
 JOHN W. BERNAL

UTILITIES LEGEND

EXISTING BOUNDARY
EXISTING WETLANDS
EXISTING 50' NEUSE RIVERIAN BUFFER
EXISTING BUFFER ZONES
PROPOSED LOT LINE
PROPOSED ROW
PROPOSED SIDEWALK
PROPOSED BOC
PROPOSED EOP
PROPOSED CENTERLINE
PROPOSED EASEMENT
PHASELINE
RIP RAP
SEDIMENT BASIN WEIR
JUNCTION BOX
PROPOSED CATCH BASIN
PROPOSED YARD INLET
PROPOSED DROP INLET
PROPOSED FLARED END SECTION
PROPOSED WATER METER
PROPOSED SEWER SERVICE
PROPOSED MANHOLE
PROPOSED FIRE HYDRANT
PROPOSED WATER VALVE
PROPOSED WATER REDUCER
PROPOSED SEWER LINE
PROPOSED WATER LINE
PROPOSED STORM WATER
EXISTING WETLANDS AREA
OPEN SPACE
FUTURE PHASING
EXISTING PHASING

STIPULATION FOR REUSE  
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**KALAS FALLS PHASE 3**  
 1832 ROLESVILLE ROAD  
 WAKE COUNTY, NC

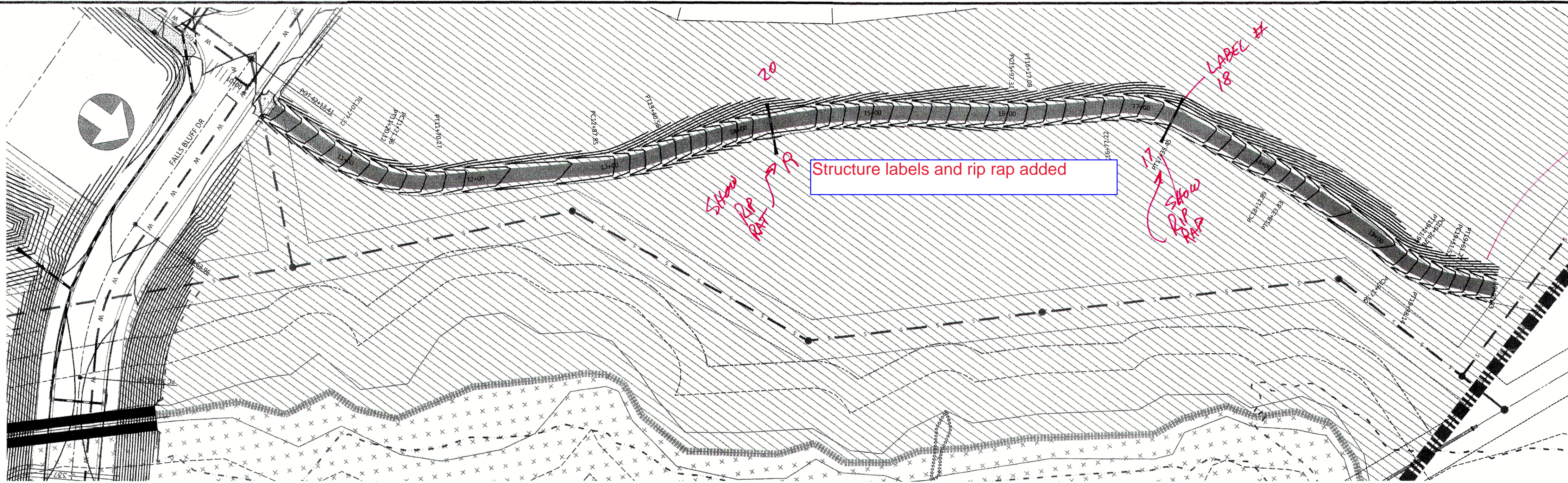
JOB NUMBER: 9900  
 CHECKED BY:  
 DRAWN BY:  
 DATE: FEB 18, 2021  
 SHEET TITLE:  
**OFF STREET STORM PLAN & PROFILE**  
 SHEET NO.: 17.0

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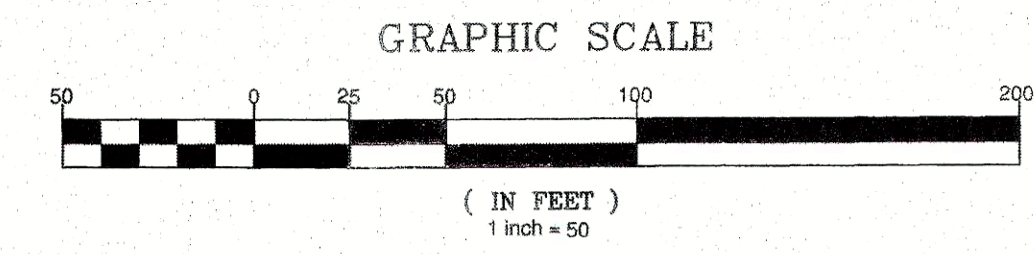
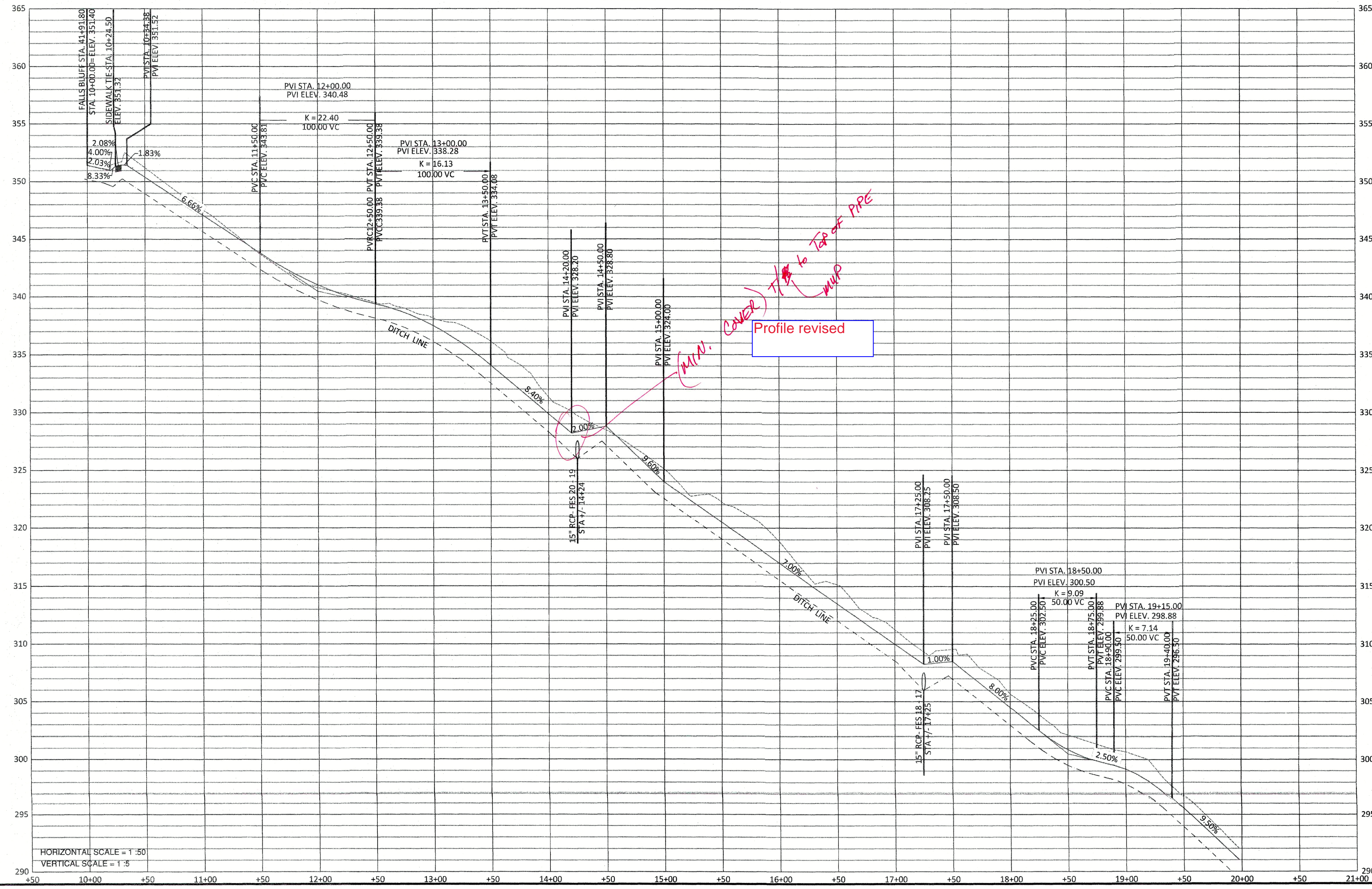
**CITY OF RALEIGH - PLANE AUTHORIZED FOR CONSTRUCTION**  
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 City of Raleigh Development Approval  
 Raleigh Water Review Officer

**North Carolina**  
 3 Days Before Digging  
 North Carolina 811  
 811 or 1-800-632-4949  
 Remote Ticket Entry  
 http://nc811.org/remoteticketentry.htm





GREENWAY TRAIL "A"



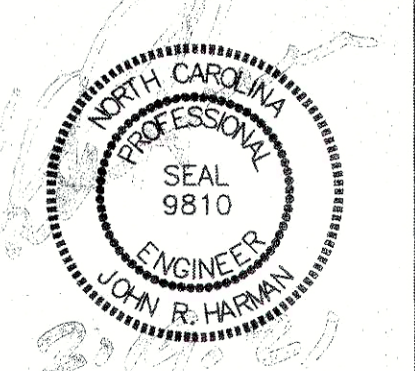
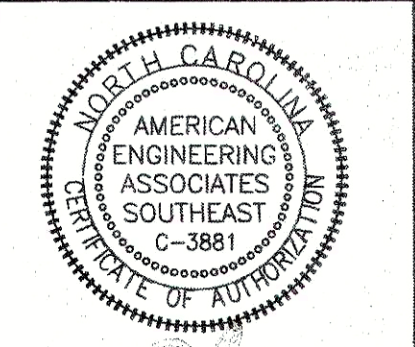
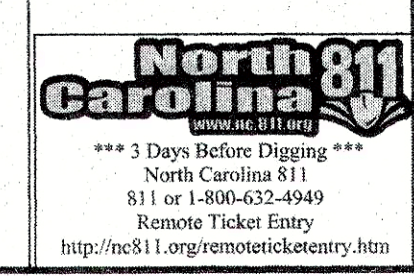
UTILITIES LEGEND	
	EXISTING BOUNDARY
	EXISTING WETLANDS
	EXISTING 50' NEUSE RIPARIAN BUFFER
	EXISTING BUFFER ZONES
	PROPOSED LOT LINE
	PROPOSED ROW
	PROPOSED SIDEWALK
	PROPOSED BOC
	PROPOSED EOP
	PROPOSED CENTERLINE
	PROPOSED EASEMENT
	PHASELINE
	RIP RAP
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	JUNCTION BOX
	PROPOSED CATCH BASIN
	PROPOSED YARD INLET
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	PROPOSED MANHOLE
	PROPOSED FIRE HYDRANT
	PROPOSED WATER VALVE
	PROPOSED WATER REDUCER
	PROPOSED SEWER LINE
	PROPOSED WATER LINE
	PROPOSED STORM WATER
	EXISTING WETLANDS AREA
	OPEN SPACE
	FUTURE PHASING
	EXISTING PHASING

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KALAS FALLS  
 PHASE 3  
 1832 ROLESVILLE ROAD  
 WAKE COUNTY, NC

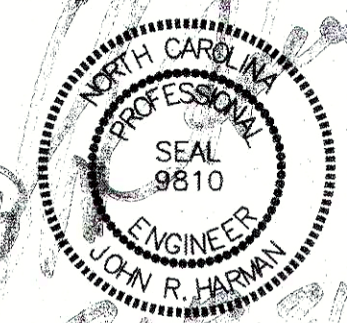
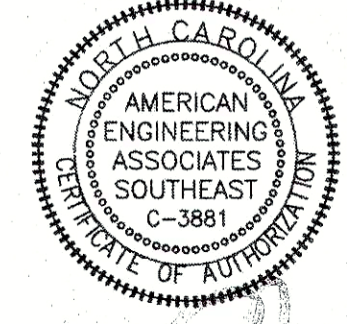
JOB NUMBER: 9900  
 CHECKED BY:  
 DRAWN BY:  
 DATE: FEB 18, 2021  
 SHEET TITLE:  
**GREENWAY TRAIL "A"**  
**PLAN & PROFILE**  
 SHEET NO.:  
**18.0**

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 Raleigh Water Review Officer



February 13, 2021  
 D:\Projects\Drawings\Drawings\18.0\Drawings\Greenway Trail Plan & Profile.dwg





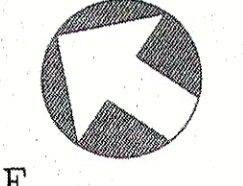
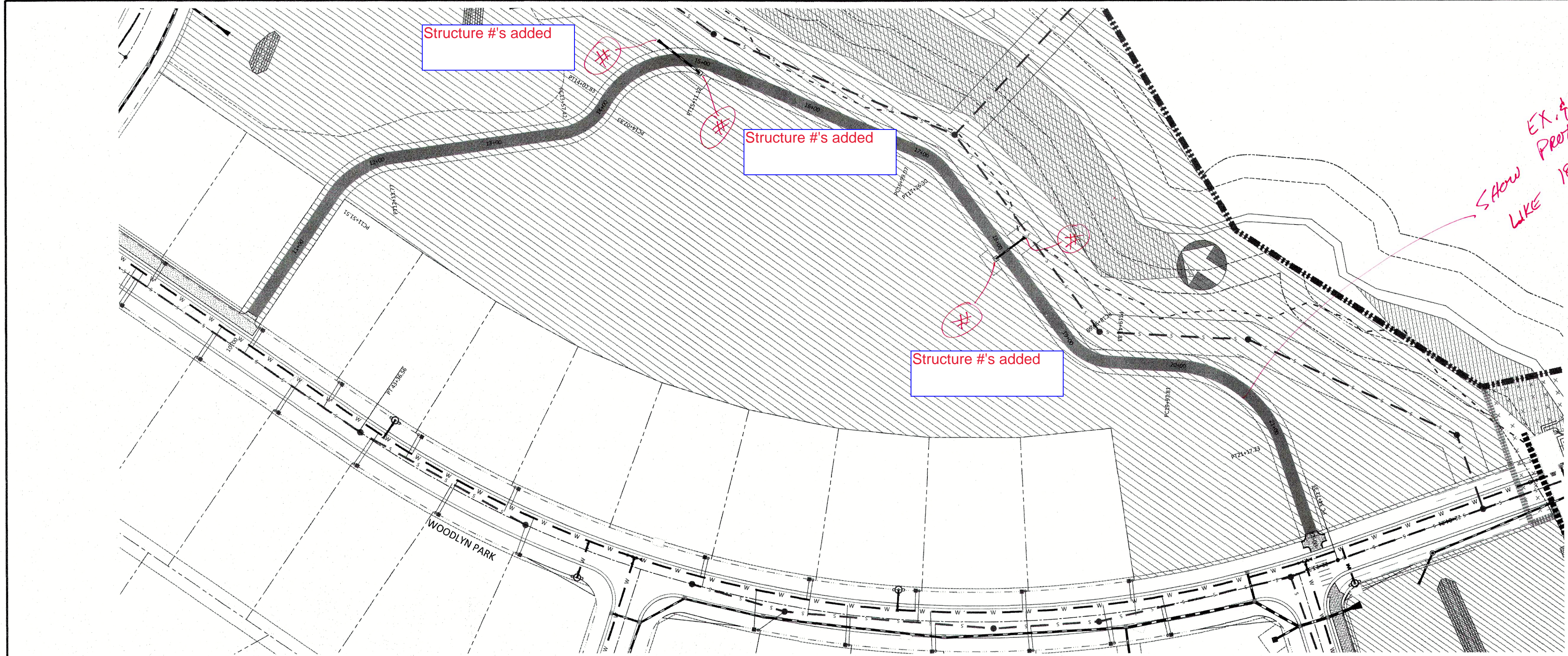
Structure #'s added

Structure #'s added

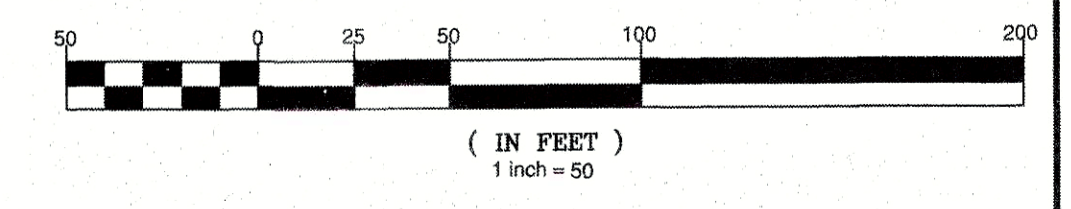
Structure #'s added

Show EX. & PREP. GRADE w/ SWALE (DITCH) LIKE 18.0

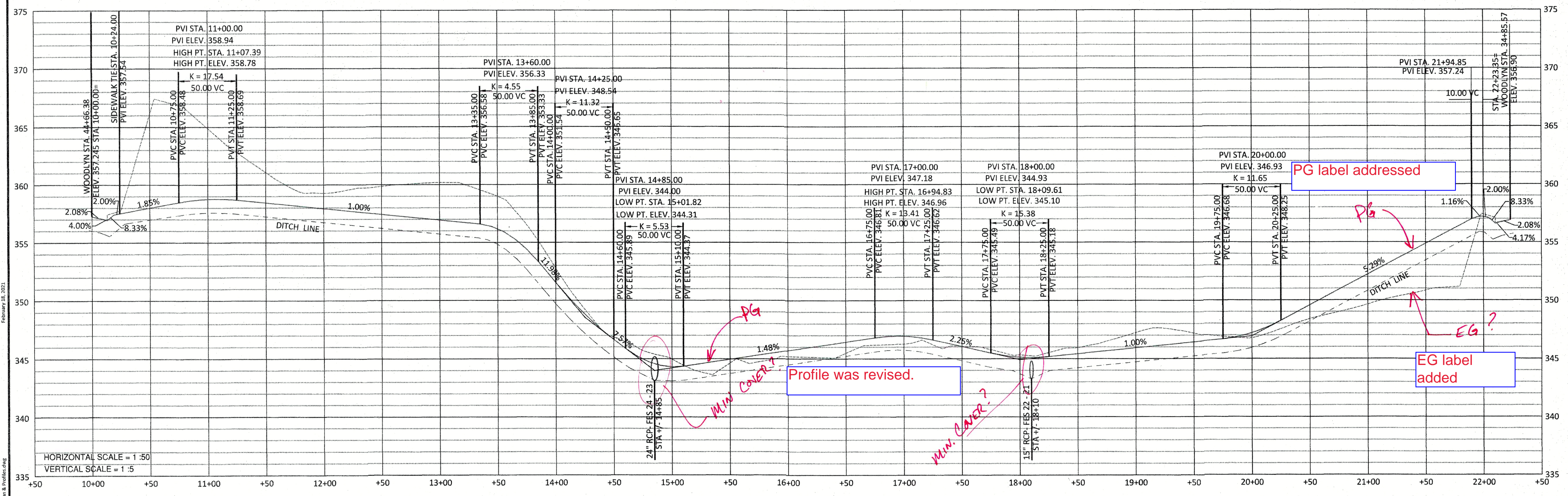
Existing & proposed grads are now shown



GRAPHIC SCALE



**GREENWAY TRAIL "B"**



PG label addressed

Profile was revised.

EG label added

UTILITIES LEGEND	
[Symbol]	EXISTING BOUNDARY
[Symbol]	EXISTING WETLANDS
[Symbol]	EXISTING 50' NEUSE RIPARIAN BUFFER
[Symbol]	EXISTING BUFFER ZONES
[Symbol]	PROPOSED LOT LINE
[Symbol]	PROPOSED ROW
[Symbol]	PROPOSED SIDEWALK
[Symbol]	PROPOSED BOC
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[Symbol]	PROPOSED CENTERLINE
[Symbol]	PROPOSED EASEMENT
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[Symbol]	PROPOSED WATER METER
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[Symbol]	PROPOSED MANHOLE
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[Symbol]	FUTURE PHASING
[Symbol]	EXISTING PHASING

NO.	DATE	REVISION

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**KALAS FALLS  
 PHASE 3  
 1832 ROLESVILLE ROAD  
 WAKE COUNTY, NC**

JOB NUMBER:	9900
CHECKED BY:	
DRAWN BY:	
DATE:	FEB 18, 2021
SHEET TITLE:	<b>GREENWAY TRAIL "B" PLAN &amp; PROFILE</b>

SHEET NO.: **19.0**

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 Raleigh Water Review Officer

