



VILLAGE OF MARVIN

10004 New Town Road | Marvin, NC | 28173 | Tel: (704) 843-1680 | Fax: (704) 843-1660 | www.marvinncc.org

PLANNING BOARD MEETING MINUTES

December 21, 2021 – 6pm
Village Hall, 10004 New Town Road
Regular Meeting (Virtual Meeting)

AGENDA ITEMS

1. Call to Order

Chairman Jones called the meeting to order at 6:02pm.

2. Determine Quorum

Chairman Jones determined a quorum was present.

Present: Chairman Jones, Malinda Daniel, Michael Lavelle

Present Virtually via Webex: Vice-Chair Cates, Richard Holzberg, Ken Marino, Councilman Marcolese (*Council Liaison*)

Absent: Kent Renner

Staff Present: Hunter Nestor, Austin W. Yow

3. Adoption of the Agenda

MOTION: Malinda Daniel moved to adopt the agenda as presented. Michael Lavelle seconded the motion.

VOTE: The motion passed unanimously, 6-0.

4. Adoption of the Minutes for: 11/16/21

MOTION: Michael Lavelle moved to adopt the minutes as presented. Malinda Daniel seconded the motion.

VOTE: The motion passed unanimously, 6-0.

5. Public Comment Period

No comments were given.

ITEMS OF DISCUSSION

TIME STAMP 2:15

1. Perform the Function of the Design Review Board to Discuss and Consider Approval of the Marvin Efir Park Monument Sign

Hunter Nestor, Planning & Zoning Administrator, explained that the Village will be installing a new monument sign for Marvin Efir Park. The Board asked why no rendering was provided. Mr. Nestor explained that the sign is almost identical to the current sign mounted to the fence at the park. He added that the PR&G Board approved a design early in 2021 and that other staff ordered the sign months ago. Mr. Nestor stated that an Eagle Scout has volunteered to build a frame for a sign and that an example was included in the packet. He explained that the frame will not have a concrete base, but rather gravel or river rock.

The Board agreed by consensus that the submitted package was not sufficient to warrant a recommendation.

MOTION: Malinda Daniel moved to table the discussion until a revised package is submitted. Vice-Chair Cates seconded the motion.

VOTE: The motion passed unanimously, 6-0.

TIME STAMP 19:05

2. Discuss and Consider Recommendation of the Estates at Marvin Branch Preliminary Plat and Construction Plans (See attached, Item 2, which is included as a reference in these minutes).

The Board asked questions regarding the reduced viewshed buffer request that the Village Council previously granted. Mr. Nestor explained that Jones Homes has submitted the preliminary plat and construction plans for the “Estates at Marvin Branch” subdivision. He added that no changes have been made since the submittal of the sketch plan and that the Village Engineer has

already reviewed the proposal. He explained that the Engineer is working with the applicant on a stormwater issue, but other than that the plans are fully compliant.

MOTION: Chairman Jones moved to recommend approval of the Estates at Marvin Branch preliminary plat and construction plans as presented, contingent upon final engineer review. Michael Lavelle seconded the motion.

VOTE: The motion passed unanimously, 6-0.

TIME STAMP 40:40

3. **Discuss and Consider Recommendation of the Heritage at Marvin Subdivision Sketch Plan** (See attached, Item 3, which is included as a reference in these minutes).

Mr. Nestor explained that Jones Homes has submitted a proposal for a 29-lot conservation-style subdivision, of which 14.86 acres is proposed for conservation lands. He added that the lots are compliant with the Village's ordinances. He clarified that the developer, Jones Homes, has not held their legally required public input meeting yet; therefore, the Planning Board does not have to make a recommendation yet. He noted that after the public input meeting is held, the developer could amend their proposal. The Board asked various questions regarding the submission, revising the proposal, the Marvin Heritage District, and the extension of water and sewer lines.

The Board agreed by consensus to withhold a recommendation until the public input meeting is held.

TIME STAMP 1:12:25

4. **Discussion of Future Text Amendments - Small Wireless Facilities Zoning Language, Sign Ordinance, Subdivision Ordinance, Tree Ordinance, Land Use Plan Recommendations/Goals**

Mr. Nestor explained that he plans to begin having the Board provide recommendations as to how staff needs to propose new ordinances and text amendments based on the goals outlined in the Village's Land Use Plan. He expressed the desire to have the Board participate in helping to clean up and revise the Village's ordinances, many of which are outdated and confusing.

AGENDA ITEMS

TIME STAMP 1:29:50

1. **Review of Action Items**

- Mr. Nestor will inform the Village that its monument sign submittal must be revised based on the Board's discussion.
- Mr. Nestor will prepare the Board for future text amendment discussions.

TIME STAMP 1:32:10

2. **Board Member Comments**

Chairman Jones: He reflected on how productive 2021 has been for the Village.

Vice-Chair Cates: She wished everyone Happy Holidays.

Richard Holzberg: He wished everyone a great holiday season. He thanked staff for their hard work.

Michael Lavelle: He wished everyone a Merry Christmas and a Happy New Year.

Ken Marino: He concurred with Richard's comments.

Councilman Marcolese: He apologized for joining late. He wished everyone a Merry Christmas.

ADJOURNMENT

MOTION: Vice-Chair Cates moved to adjourn the meeting at 7:36pm. Malinda Daniel seconded the motion.

VOTE: The motion passed unanimously, 6-0.

Adopted: 1-18-2022

Kelly Cates 1/18/22
Kelly Cates, Planning Board Vice-Chair
Village of Marvin

Austin W. Yow
Austin W. Yow
Village Clerk & Assistant to the Manager





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DATE: December 15, 2021

TO: Planning Board

FROM: Hunter Nestor, Planner and Zoning Administrator

SUBJECT: Discuss and Consider Recommendation of The Estates at Marvin Branch Preliminary Plat and Construction Plans

Actions Requested

Staff request the Planning Board review and discuss The Estates at Marvin Branch Preliminary Plat and Construction Plans. The Village Council is holding the Public Hearing on this submission on January 11th, 2022 and will discuss and consider approval at this meeting. A Public Hearing is required to approve the Preliminary Plat and Construction Plans for the Rural Subdivision.

Background

Jones Homes USA has submitted their preliminary plat and construction plans for the Estates at Marvin Branch.

LOCATION:

The subject property is a 28.48 acre property on Joe Kerr Road, across from Elysian Fields/Helaina Court, and adjacent to Wandering Way Drive in Marvin Creek. It is just ¼-mile east of Marvin Road, and bordered by the Marvin Branch to the west and Six-Mile Creek to the north.





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Analysis

	Existing Land Use	Zoning Designations
Subject Property	Vacant, Field	R-Marvin Residential
North	Residential/Wetland (Ardrey Chase)	R-3 Charlotte-Mecklenburg
South	Residential/Unbuilt (Elysian Fields)	R-Marvin Residential
East	Residential (Marvin Creek)	R-Marvin Residential
West	Residential/Farm (Brantley Farm)	R-Marvin Residential

General: The subdivision application is for 16 homes on 28.48 acres, yielding a density of 0.56 units/acre. There is 37% conservation area, and the subdivision is designed per the conservation/large tract standards in §151.081. This allows 20% of the lots to be at least 25,000 s.f. and the remaining lots to be at least 30,000 s.f.

Greenways: A greenway easement will connect the future Six-Mile Creek greenway to the north, the Marvin Creek Sidewalk if desired by their HOA, and the Elysian Fields Green way to the south. There will be a sidewalk in front of all houses.

Tree Preservation: There is near-zero tree disturbance as the property is currently a pasture. A tree perimeter exists on site which will not be disturbed, and less than 10 trees would need to be removed in the middle area if any. Trees must be planted around Lot 16 to seclude it from view and maintain the minimum tree density of the perimeter buffer (1 tree per 2,500 s.f. i.e. 1 tree per 100 linear feet of the 25' wide buffer). With the intended tree planting, mitigation will be more than satisfied.

Lot Characteristics: The lot characteristics are as follows:

- 50' front yard setback
- 20' side yard setback
- 75' rear yard buffer
- On the east side, the 25' tree perimeter buffer is incorporated into the properties as permitted in §93.22(C)(3). On the west and north, the buffer is outside the lots, at the edge of the property.
- Lot sizes ranging from 29,662 s.f. to 39,903 s.f. with 1/16 lots being between 25,000 – 30,000 s.f. (6%)
- 130' minimum lot width at building front
- 50' minimum road frontage

Drainage: There will be no underground pipes, as the natural property grading lends itself to drainage sheet-flow into the creek and branch. In addition, the development is less than 24% impervious surface, so stormwater detention facilities are not required.



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Water and Sewer: This development will utilize Union County Water and Sewer. The sewer will flow into Mecklenburg County, thus avoiding the current sewer capacity issues in Union County.

Viewshed: Council approved the requested exemption to reduce the viewshed buffer to 85' on the east side of the main cul-de-sac while having a 285' viewshed on the west side during the June 8th 2021 meeting. This request is allowable through the subdivision process with a proven hardship per §151.081(E)(1)(a). Elysian Fields was designed in the same way, with an 85' buffer on the east side of the road and a greater-than minimum viewshed on the west side of the road. The developer of Elysian Fields petitioned to the council the hardship that the 200' DEQ buffer reduced the buildability on the west side, and was granted that exemption. Lots 15 and 16, which would lie in the reduced viewshed must be sheltered from view of the neighbors and road per the same ordinance above.

Other agency notes (Plans will be sent out to outside agency for review):

NCDOT: May require a right turn lane west bound on Joe Kerr Road

Union County Public Schools: The subdivision would add approximately 16 schoolkids Pre-K -12

NC DEQ: 200' buffer on both North and West borders are satisfied

Public Involvement Meeting: Approximately 9 people attended each of the on-site portion and the Village Hall portion on May 5, 2021. Questions posed included tree preservation, rear buffers on the side adjacent to Marvin Creek, greenway alignments, road curvature, house model information, traffic, and school impact. Most residents were satisfied to the answers to their questions. Some comments caused revisions to the plans, most significantly a revision to the road alignment to allow an increase in rear buffer from 40' to 75' on all lots.

Sketch Plan: The Village Council discussed and unanimously approved the sketch plan for the Estates at Marvin Branch Subdivision during the June 8th, 2021 meeting, as presented with the recommendations of the Planning Board: to keep the boulders, to not disturb the trees in the buffer, to plant trees to increase density and around lots with insufficient screening; and to include supplemental screening on lot 16. This also included the reduced viewshed buffer.

Currently

Currently, everything in the submitted construction plan, have been reviewed by the Village Engineer and approved other than the Stormwater detention. The Village Engineer has provided those comments and those comments have been sent to the applicant for revisions. The applicant is revising the plan and will have a final updated set of plans prior to the hearing.

Following the hearing and review of the plat and plans, Council will vote to approve or deny or request additional relative information and changes to the submitted documents. The final approved Construction Plans will then be reviewed by the Staff, the Village Engineer and all applicable outside agencies again if any changes are made. So long as those revisions do not affect the zoning regulations in a way that reduces the quality, the construction plan need not be reviewed again by the Planning Board and Council.



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Recommendation

Planner's Recommendation: Staff recommends approval of The Estates at Marvin Branch Preliminary Plat and Construction Plans, contingent upon successful engineer review (if needed) and approvals from all outside applicable agencies.

CONCRETE CONTRACTION JOINT

NOT TO SCALE

TRANSVERSE EXPANSION JOINT

NOT TO SCALE

NOTES:

- CONCRETE SHALL BE PLACED IN SLABS BY "POUR-PLACE" METHODS. THE MAXIMUM SLAB THICKNESS SHALL BE 12" UNLESS OTHERWISE SPECIFIED. SLABS WITH THICKNESSES EXCEEDING 12" SHALL BE PLACED IN 4" THICK LIFTS WITH EACH LIFT CURING IN PLACE FOR 24 HOURS BEFORE THE NEXT LIFT IS PLACED.
- ALL EXPANSION JOINTS SHALL BE PLACED AT 12' MAXIMUM INTERVALS, AND ADJUSTED TO THE NEXT WHOLE NUMBER.
- CONCRETE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ACCESSIBLE JOINTS.
- ALL JOINTS SHALL BE PROTECTED BY A JOINT PROTECTION DEVICE.
- TOP OF ALL SURFACING MATERIALS SHALL BE FINISHED TO THE SAME FINISH AS THE CONCRETE.

VILLAGE OF MARVIN STANDARD DRAWING 102.1

RESIDENTIAL DROP CURB TYPE I DRIVEWAY WITH PLANTING STRIP (2'-6" CURB AND GUTTER)

NOT TO SCALE

NOTES:

- CONCRETE SHALL BE PLACED IN SLABS BY "POUR-PLACE" METHODS. THE MAXIMUM SLAB THICKNESS SHALL BE 12" UNLESS OTHERWISE SPECIFIED. SLABS WITH THICKNESSES EXCEEDING 12" SHALL BE PLACED IN 4" THICK LIFTS WITH EACH LIFT CURING IN PLACE FOR 24 HOURS BEFORE THE NEXT LIFT IS PLACED.
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- CONCRETE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ACCESSIBLE JOINTS.
- ALL JOINTS SHALL BE PROTECTED BY A JOINT PROTECTION DEVICE.
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VILLAGE OF MARVIN STANDARD DRAWING 103.1

ACCESSIBLE RAMP SECTIONS 2'-0" VALLEY GUTTER

NOT TO SCALE

VILLAGE OF MARVIN STANDARD DRAWING 104.1

OTHER CURB AND GUTTER

NOT TO SCALE

NOTES:

- CONCRETE SHALL BE PLACED IN SLABS BY "POUR-PLACE" METHODS. THE MAXIMUM SLAB THICKNESS SHALL BE 12" UNLESS OTHERWISE SPECIFIED. SLABS WITH THICKNESSES EXCEEDING 12" SHALL BE PLACED IN 4" THICK LIFTS WITH EACH LIFT CURING IN PLACE FOR 24 HOURS BEFORE THE NEXT LIFT IS PLACED.
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- CONCRETE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ACCESSIBLE JOINTS.
- ALL JOINTS SHALL BE PROTECTED BY A JOINT PROTECTION DEVICE.
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VILLAGE OF MARVIN STANDARD DRAWING 105.1

CONCRETE SIDEWALKS DETAILS AND NOTES

NOT TO SCALE

NOTES:

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- ALL EXPANSION JOINTS SHALL BE PLACED AT 12' MAXIMUM INTERVALS, AND ADJUSTED TO THE NEXT WHOLE NUMBER.
- CONCRETE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ACCESSIBLE JOINTS.
- ALL JOINTS SHALL BE PROTECTED BY A JOINT PROTECTION DEVICE.
- TOP OF ALL SURFACING MATERIALS SHALL BE FINISHED TO THE SAME FINISH AS THE CONCRETE.

VILLAGE OF MARVIN STANDARD DRAWING 106.1

ACCESSIBLE RAMP STANDARD 2'-0" VALLEY GUTTER

NOT TO SCALE

VILLAGE OF MARVIN STANDARD DRAWING 107.1

STANDARD CURB AND GUTTER

NOT TO SCALE

NOTES:

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- ALL JOINTS SHALL BE PROTECTED BY A JOINT PROTECTION DEVICE.
- TOP OF ALL SURFACING MATERIALS SHALL BE FINISHED TO THE SAME FINISH AS THE CONCRETE.

VILLAGE OF MARVIN STANDARD DRAWING 108.1

CURB TRANSITION 2'-6" CURB AND GUTTER TO 2'-0" VALLEY GUTTER

NOT TO SCALE

NOTES:

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- ALL JOINTS SHALL BE PROTECTED BY A JOINT PROTECTION DEVICE.
- TOP OF ALL SURFACING MATERIALS SHALL BE FINISHED TO THE SAME FINISH AS THE CONCRETE.

VILLAGE OF MARVIN STANDARD DRAWING 109.1

RESIDENTIAL DRIVEWAY (TYPE 1) FOR VALLEY GUTTER

NOT TO SCALE

NOTES:

- CONCRETE SHALL BE PLACED IN SLABS BY "POUR-PLACE" METHODS. THE MAXIMUM SLAB THICKNESS SHALL BE 12" UNLESS OTHERWISE SPECIFIED. SLABS WITH THICKNESSES EXCEEDING 12" SHALL BE PLACED IN 4" THICK LIFTS WITH EACH LIFT CURING IN PLACE FOR 24 HOURS BEFORE THE NEXT LIFT IS PLACED.
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VILLAGE OF MARVIN STANDARD DRAWING 110.1



REVISION / ISSUANCE	
NO.	DESCRIPTION / DATE
1	SET TO QUANTIFY (8/20/21)

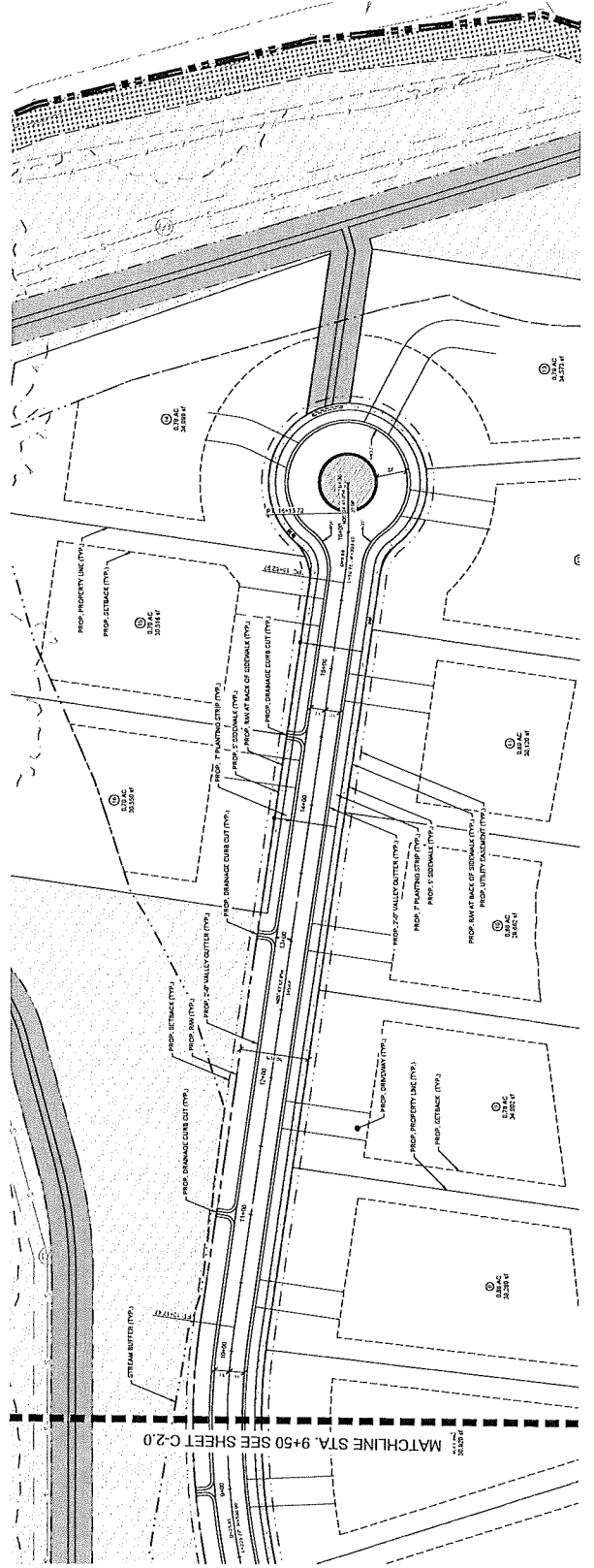
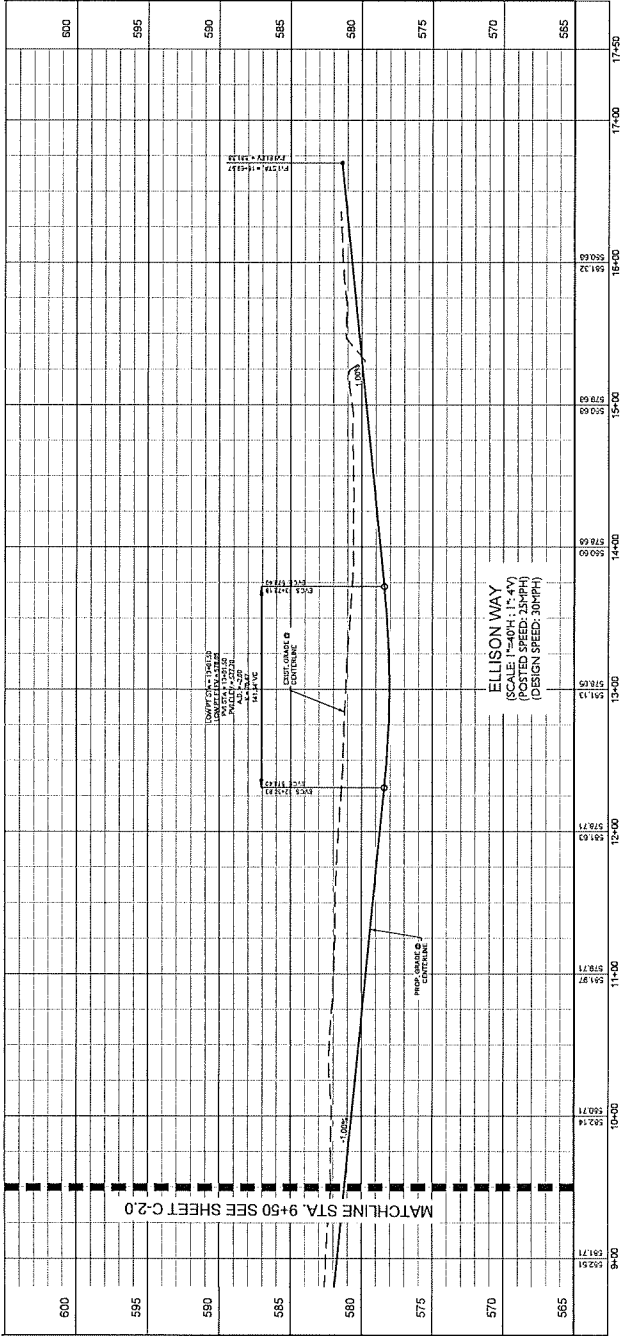
DESIGNED BY: PK
 DRAWN BY: EUC
 CHECKED BY: MGS

DATE: 8/20/21

PROJECT: THE ESTATES AT MARVIN BRANCH

SCALE: 1"=40'

- NOTES:
1. ALL ELEVATIONS ARE IN FEET UNLESS OTHERWISE NOTED.
 2. SEE SHEET C-2.0 FOR STATIONING AND ELEVATION DATA.
 3. ALL ELEVATIONS SHALL BE TO THE TOP OF FINISHED GRADE UNLESS OTHERWISE NOTED.
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 19. ALL ELEVATIONS SHALL BE TO THE TOP OF FINISHED GRADE UNLESS OTHERWISE NOTED.
 20. ALL ELEVATIONS SHALL BE TO THE TOP OF FINISHED GRADE UNLESS OTHERWISE NOTED.



DATE: 8/20/21, TIME: 10:00 AM, PROJECT: THE ESTATES AT MARVIN BRANCH, SHEET: C-2.1



**THE ESTATES AT
 MARVIN BRANCH**

JONES POINTS USA
 UNION COUNTY
 NORTH CAROLINA

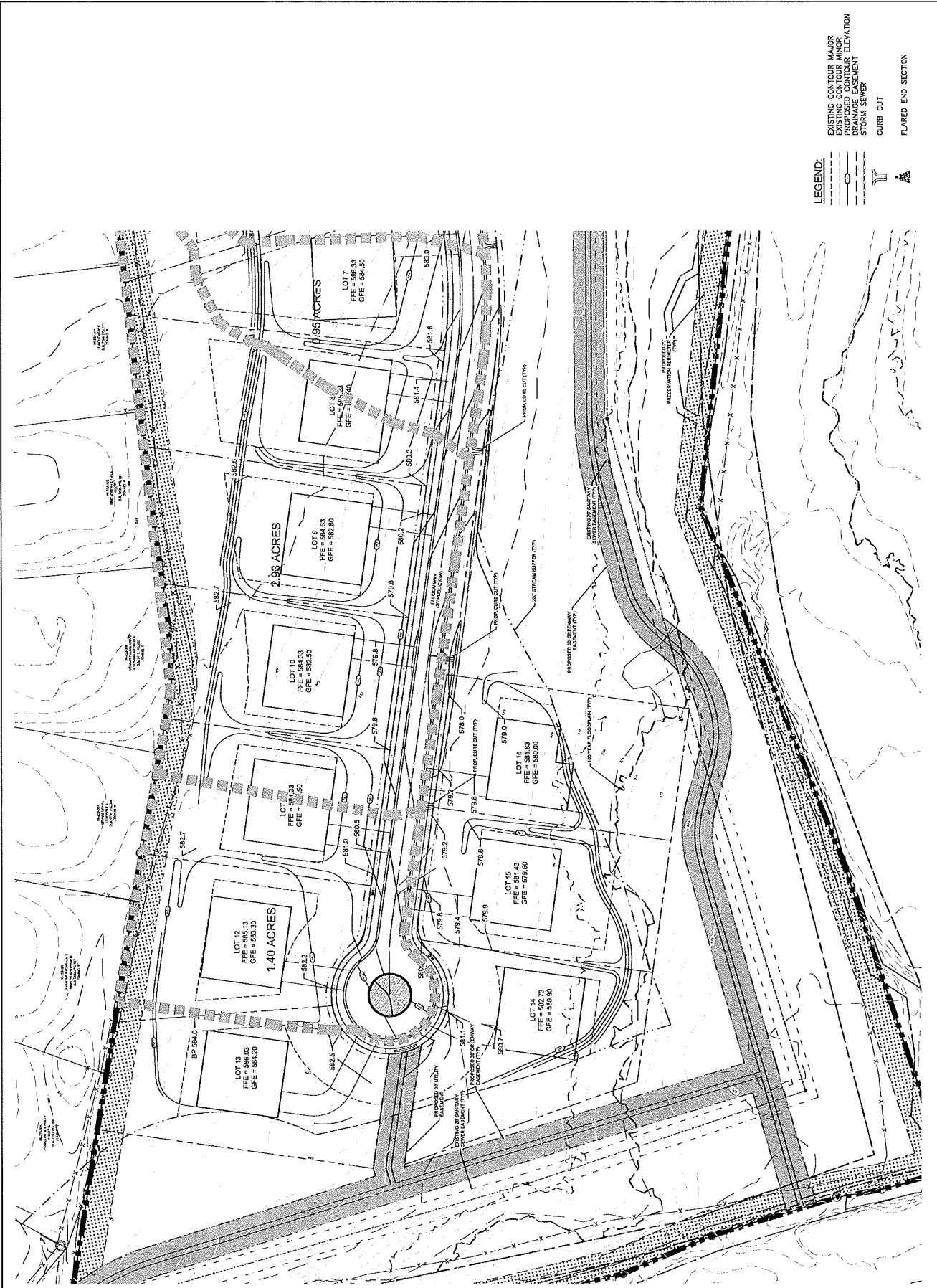
REVISION / ISSUANCE	
NO.	DESCRIPTION / DATE
1	10/15/2014

DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 10/15/2014

SCALE: 1" = 40'

STATIONING: 1+00.00 TO 1+00.00

STORM DRAINAGE PLAN
 C-3.1



LEGEND:

- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- PROPOSED CONTOUR ELEVATION
- STORM DRAINAGE
- STORM SEWER
- CURE CUT
- FLARED END SECTION

DATE PLOTTED: 10/15/2014 10:00 AM. PLOT SCALE: 1" = 40'. PLOT AREA: 100.00 SQ. FT.



**THE ESTATES AT
 MARVIN BRANCH**

JONES HONES USA
 UNION COUNTY
 NORTH CAROLINA

PROJECT NUMBER: 1003019

REVISION / ISSUANCE

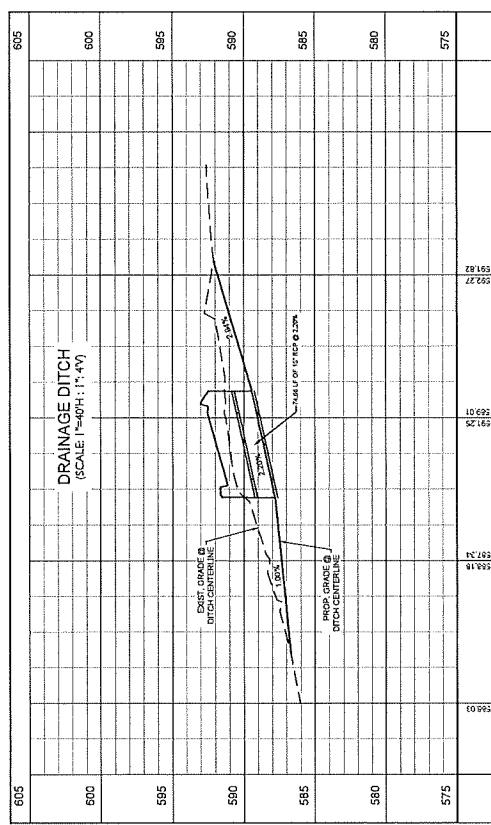
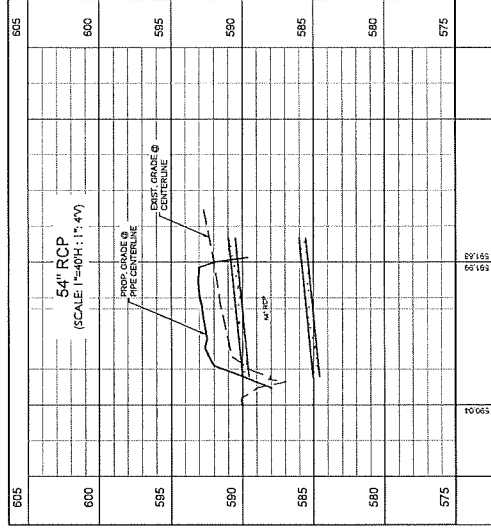
NO.	DESCRIPTION	DATE	ISSUED BY
1	10/13/2019	10/13/2019	MS

DESIGNED BY: MS
 CHECKED BY: MS
 PLOTTED BY: MS



STORM DRAINAGE PROFILES

C-3.3

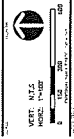




THE ESTATES AT
 MARVIN BRANCH

JONES HOMES USA
 UNION COUNTY
 NORTH CAROLINA

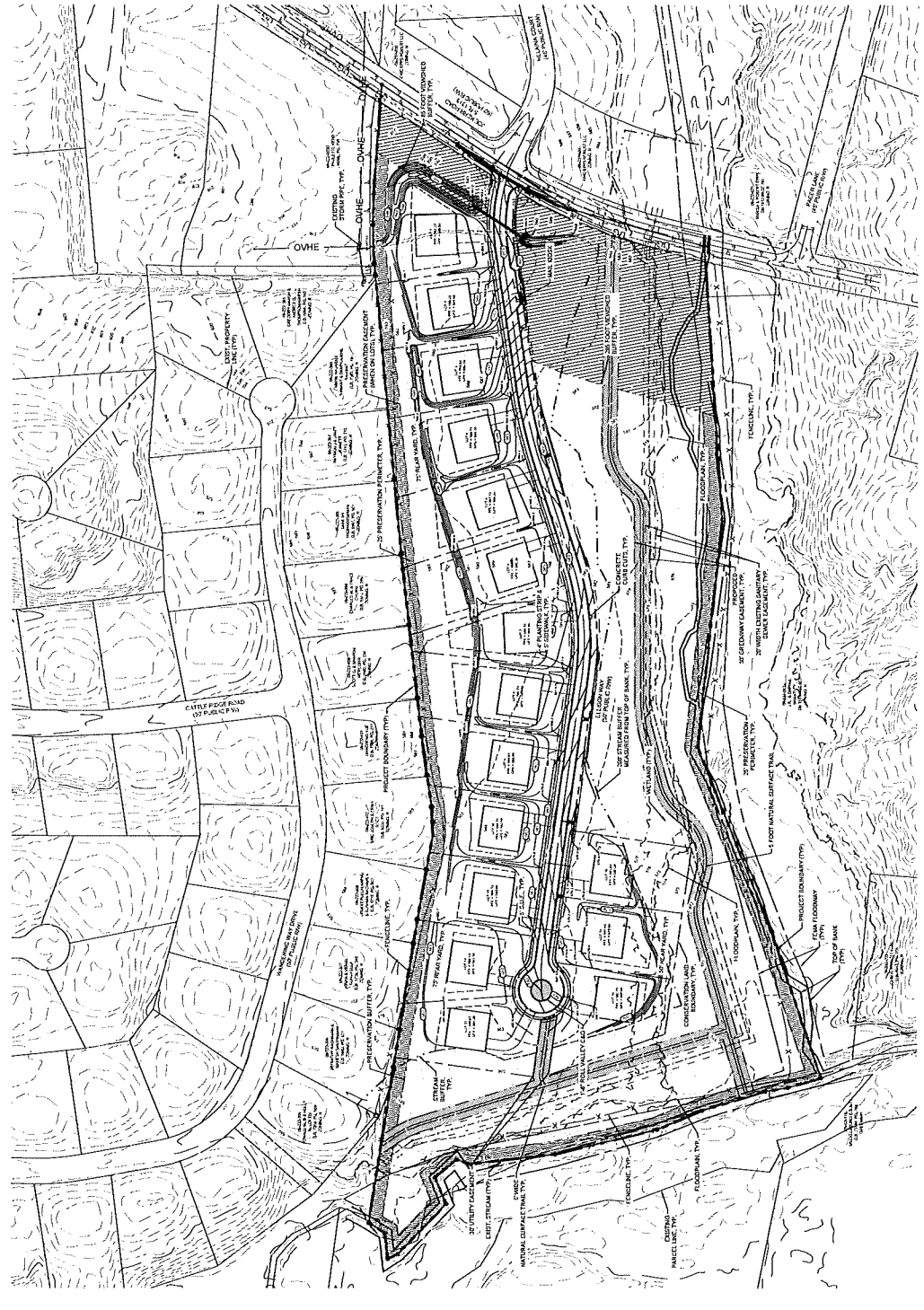
REVISION / ISSUANCE	
NO.	DESCRIPTION
1	ISSUE FOR PERMIT



OVERALL GRADING PLAN

C-4.0

- NOTE:**
1. ALL CONTIGUOUS AND SPOT ELEVATIONS BEHIND FINISHED GRADING SHALL BE THE SAME UNLESS OTHERWISE NOTED.
 2. REMAINING OF AND BELL POINTS PLACED ON A LISTABLE VERTICAL CURVE SHALL BE PLACED IN ACCORDANCE WITH THE VERTICAL CURVE DESIGN MANUAL.
 3. ALL ELEVATIONS SHALL BE IN FEET UNLESS OTHERWISE NOTED.
 4. THE PROPOSED GRADING SHALL BE IN ACCORDANCE WITH THE PROPOSED DRAINAGE PLAN AND THE PROPOSED EROSION CONTROL PLAN.
 5. THE PROPOSED GRADING SHALL BE IN ACCORDANCE WITH THE PROPOSED DRAINAGE PLAN AND THE PROPOSED EROSION CONTROL PLAN.
 6. ALL ELEVATIONS SHALL BE IN FEET UNLESS OTHERWISE NOTED.
 7. CONTRACTOR SHALL LEAVE ALL EXISTING UTILITY LINES UNDISTURBED UNLESS OTHERWISE NOTED.
 8. ALL ELEVATIONS SHALL BE IN FEET UNLESS OTHERWISE NOTED.
 9. ALL ELEVATIONS SHALL BE IN FEET UNLESS OTHERWISE NOTED.
 10. ALL ELEVATIONS SHALL BE IN FEET UNLESS OTHERWISE NOTED.
 11. ALL ELEVATIONS SHALL BE IN FEET UNLESS OTHERWISE NOTED.
 12. ALL ELEVATIONS SHALL BE IN FEET UNLESS OTHERWISE NOTED.

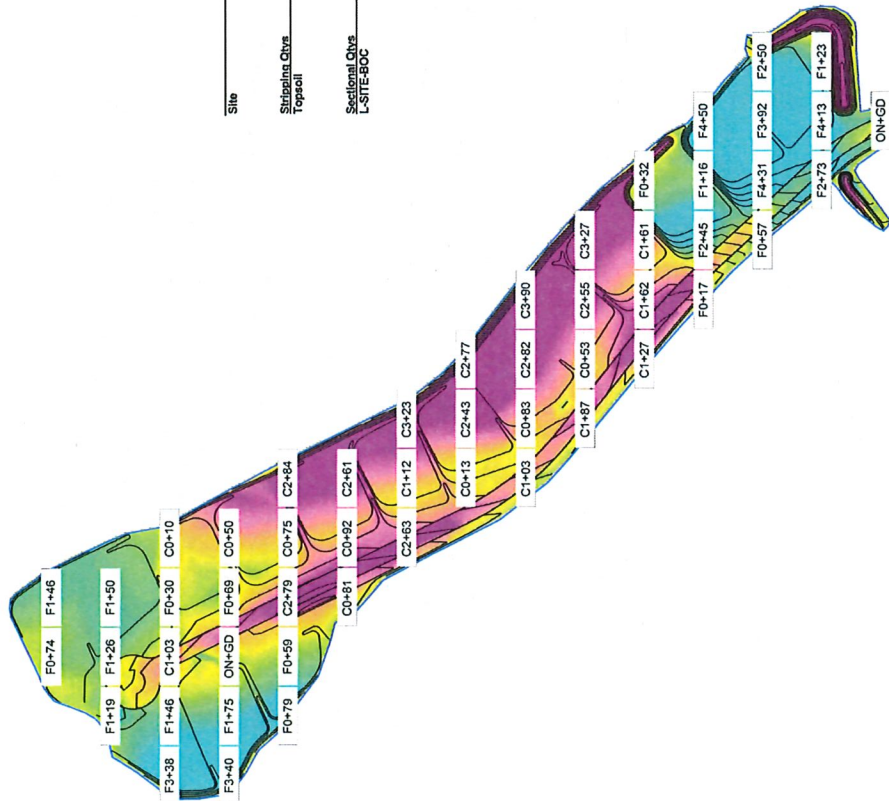


- LEGEND:**
- EXISTING CONTOUR (MAJOR)
 - EXISTING CONTOUR (MINOR)
 - PROPOSED CONTOUR (ELEVATION)
 - DRAINAGE ELEVATION
 - STORM DRAIN
 - CURB CUT
 - FLARED END SECTION

Job: Estates Agtek
 Wed Aug 4, 2021 08:48:19 Page 1

Volume Report
 Substrate vs. Stripped

Site	Total		Area		Volume		CompRatio		Export Change	
	Plane	Substrate	Area	Depth	Volume	Volume	Cut	Fill	Fill	Import
Site	508,864	257,485	229,377	22,001	16,988	14,860	1.00	1.15	16,988	17,069
Stripping Obs	508,864	509,467	0.500	9,435						
Sectional Obs	47,748	47,733	0.916	1,621						



Handwritten signature
 AUG 13 2021 4:54 PM



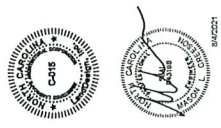
THE ESTATES AT
 MARVIN BRANCH

JONES HOMES USA
 UNION COUNTY
 NORTH CAROLINA

REVISION / ISSUANCE	
NO.	DESCRIPTION / DATE
1	UT TO SUBMITTAL / 8/3/2021

DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 8/3/2021

EARTHWORK
 C-4.3



REVISION / ISSUANCE	
NO.	DESCRIPTION
1	10/15/2019

DESIGNED BY: BK
CHECKED BY: MO
DATE: 10/15/2019

EROSION CONTROL LEGEND:

- DRAINAGE AREA LIMITS (SEE TRENCH)
- LIMITS OF CONSTRUCTION CLEARING LIMITS
- SWANNEY ATTACHMENT (INCEDES #44)
- RAFFLES (INCEDES #44)
- PROP. RW
- STORM DRAINAGE
- TEMPORARY (SET) FENCE (INCEDES #42)
- DOUBLE ROW HIGH MAZARD TEMPORARY SET FENCE
- SPECIAL EROSION CONTROL
- TEMP. SLOPE PROTECTION
- DITCH/INCEDES (INCEDES #42)
- TEMP. SLOPE PROTECTION (OPEN INCEDES #42)
- ROCK CHECK DAM (INCEDES #42)
- SLOPE DAM (INCEDES #42)
- SLOPE PROTECTION (LAND MGD W/ FORTIFICATION)
- LIMIT OF DISTURBANCE

LEGEND:

- EXIST. BOUNDARY LINE
- EXIST. MINOR CONTOUR
- PROP. MAJOR CONTOUR
- PROP. MINOR CONTOUR
- EXIST. PROPERTY LINE

STABILIZATION NOTE:

1. ALL SLOPES SHALL BE STABILIZED WITH PERMANENT VEGETATION OR OTHER MEANS TO PREVENT EROSION. PERMANENT VEGETATION SHALL BE PLANTED AT THE TIME OF CONSTRUCTION.

PERMANENT SLOPE STABILIZATION NOTES:

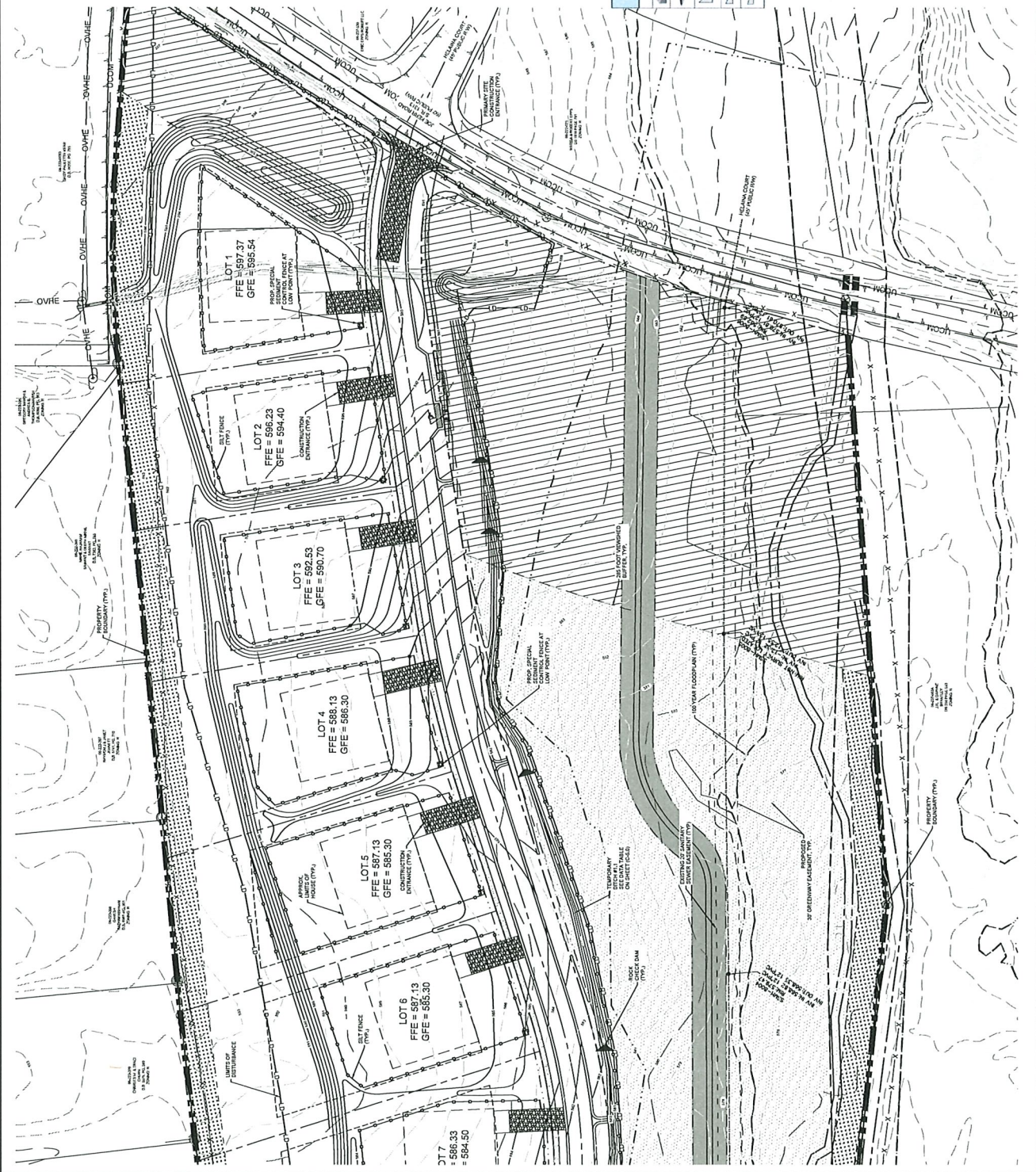
1. ALL PERMANENT SLOPES SHALL BE STABILIZED WITH PERMANENT VEGETATION OR OTHER MEANS TO PREVENT EROSION. PERMANENT VEGETATION SHALL BE PLANTED AT THE TIME OF CONSTRUCTION.

ESTABLISHMENT TREATMENTS

ESTABLISHMENT	DESCRIPTION
1	10/15/2019

CONSTRUCTION SEQUENCE NOTE:

1. REFERENCE SPECIFICATIONS FOR EROSION CONTROL CONSTRUCTION SEQUENCE NOTE.





THE ESTATES AT
 MARVIN BRANCH

JONES-RANDALL USA
 UNION COUNTY
 NORTH CAROLINA

REVISION / ISSUANCE	
NO.	DESCRIPTION / DATE
1	FOR SUBMITTAL / 03/20/19

DESIGNED BY: NK
 CHECKED BY: WD

DATE: 03/20/19
 PROJECT: THE ESTATES AT MARVIN BRANCH

EROSION CONTROL DETAILS

6

SEEDING RECOMMENDATIONS

The following table lists the recommended seed mixtures for use on most soils. These mixtures are intended to provide a diverse stand of native grasses and legumes. These mixtures are intended to provide a diverse stand of native grasses and legumes. These mixtures are intended to provide a diverse stand of native grasses and legumes.

Soil Type	Seed Mixture	Rate (lb/1000 sq ft)
Clay
Silt
Sand

6.11.1

6

SEEDING RECOMMENDATIONS

The following table lists the recommended seed mixtures for use on most soils. These mixtures are intended to provide a diverse stand of native grasses and legumes. These mixtures are intended to provide a diverse stand of native grasses and legumes.

Soil Type	Seed Mixture	Rate (lb/1000 sq ft)
Clay
Silt
Sand

6.11.2

6

SEEDING RECOMMENDATIONS

The following table lists the recommended seed mixtures for use on most soils. These mixtures are intended to provide a diverse stand of native grasses and legumes. These mixtures are intended to provide a diverse stand of native grasses and legumes.

Soil Type	Seed Mixture	Rate (lb/1000 sq ft)
Clay
Silt
Sand

6.11.3

6

SEEDING RECOMMENDATIONS

The following table lists the recommended seed mixtures for use on most soils. These mixtures are intended to provide a diverse stand of native grasses and legumes. These mixtures are intended to provide a diverse stand of native grasses and legumes.

Soil Type	Seed Mixture	Rate (lb/1000 sq ft)
Clay
Silt
Sand

6.11.4

6

SEEDING RECOMMENDATIONS

The following table lists the recommended seed mixtures for use on most soils. These mixtures are intended to provide a diverse stand of native grasses and legumes. These mixtures are intended to provide a diverse stand of native grasses and legumes.

Soil Type	Seed Mixture	Rate (lb/1000 sq ft)
Clay
Silt
Sand

6.11.5

6

SEEDING RECOMMENDATIONS

The following table lists the recommended seed mixtures for use on most soils. These mixtures are intended to provide a diverse stand of native grasses and legumes. These mixtures are intended to provide a diverse stand of native grasses and legumes.

Soil Type	Seed Mixture	Rate (lb/1000 sq ft)
Clay
Silt
Sand

6.11.6

6

SEEDING RECOMMENDATIONS

The following table lists the recommended seed mixtures for use on most soils. These mixtures are intended to provide a diverse stand of native grasses and legumes. These mixtures are intended to provide a diverse stand of native grasses and legumes.

Soil Type	Seed Mixture	Rate (lb/1000 sq ft)
Clay
Silt
Sand

6.11.7

6

SEEDING RECOMMENDATIONS

The following table lists the recommended seed mixtures for use on most soils. These mixtures are intended to provide a diverse stand of native grasses and legumes. These mixtures are intended to provide a diverse stand of native grasses and legumes.

Soil Type	Seed Mixture	Rate (lb/1000 sq ft)
Clay
Silt
Sand

6.11.8

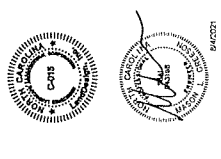
Soil Type	Seed Mixture	Rate (lb/1000 sq ft)
Clay
Silt
Sand

Soil Type	Seed Mixture	Rate (lb/1000 sq ft)
Clay
Silt
Sand

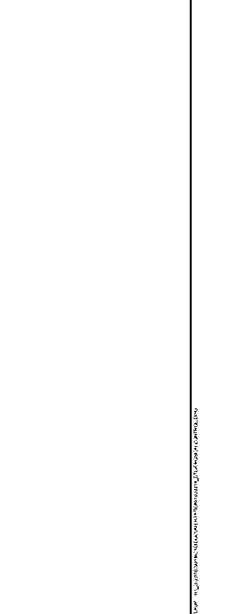
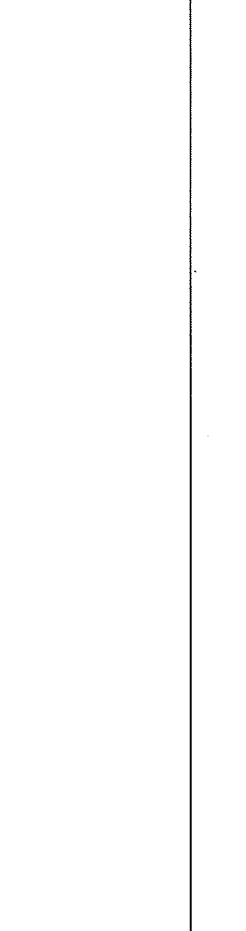
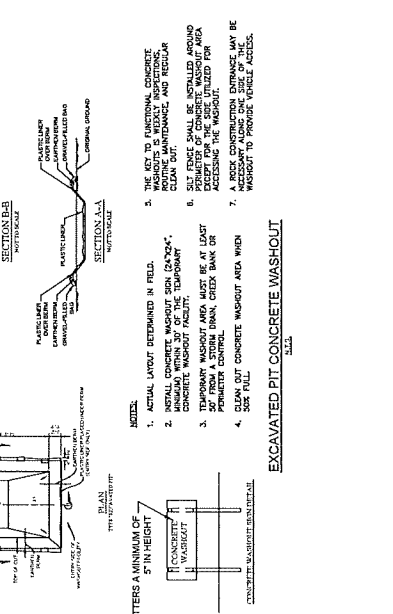
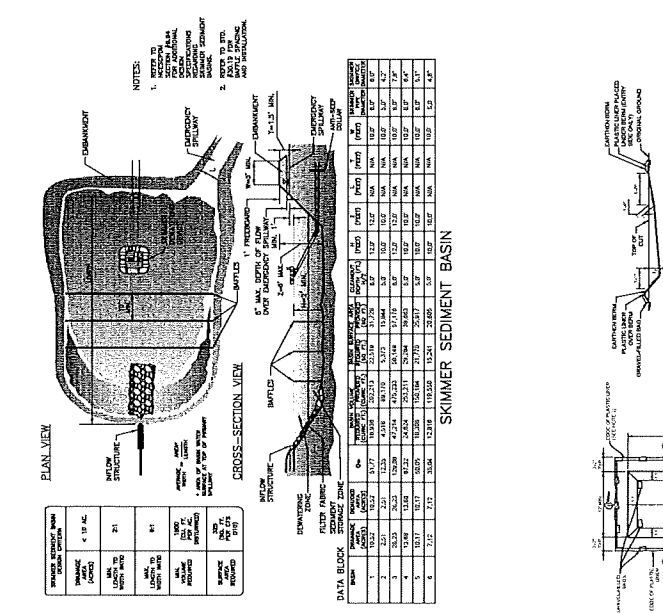
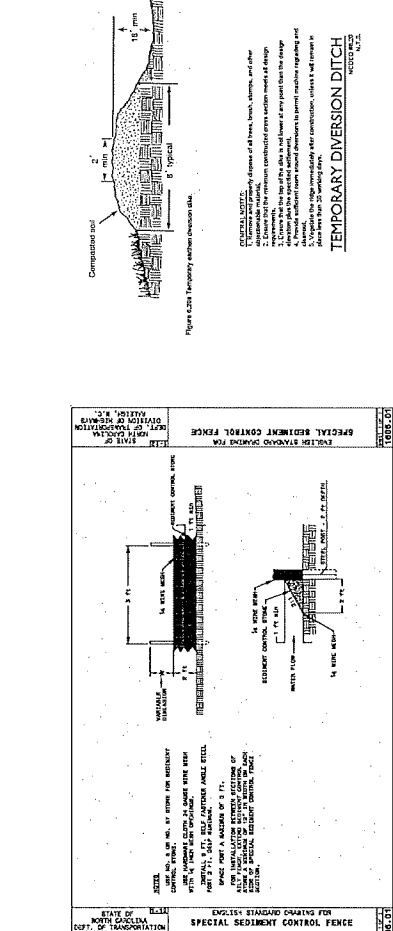
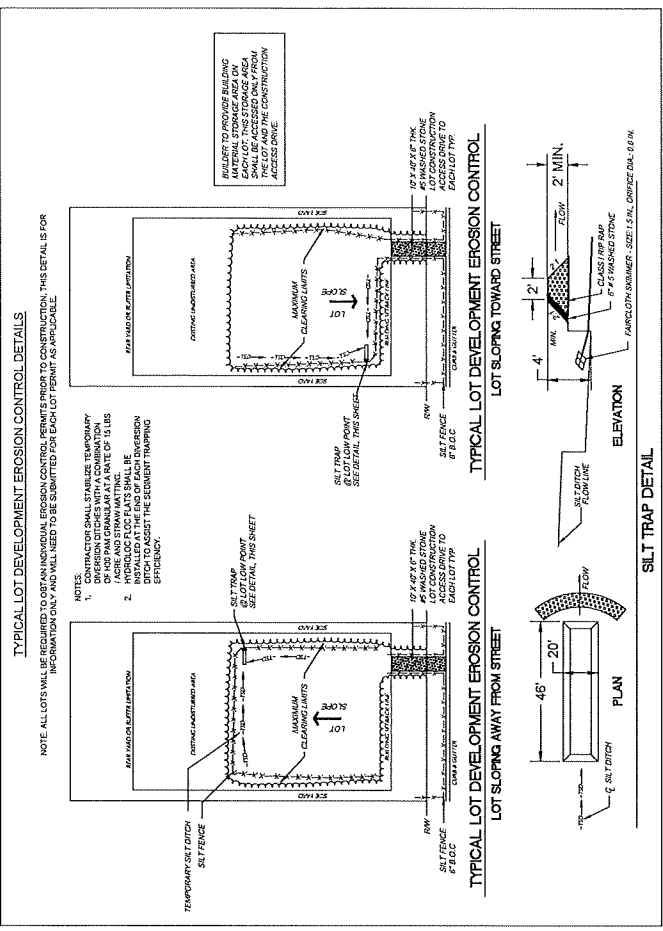
Soil Type	Seed Mixture	Rate (lb/1000 sq ft)
Clay
Silt
Sand

Soil Type	Seed Mixture	Rate (lb/1000 sq ft)
Clay
Silt
Sand

NOTE:
 With the above values, the seed mix should be at the range of 12 pounds per acre. The above values are intended to provide a diverse stand of native grasses and legumes. These values are intended to provide a diverse stand of native grasses and legumes. These values are intended to provide a diverse stand of native grasses and legumes.



REVISION /ISSUANCE	
NO.	DESCRIPTION / DATE
1	10/13/2010



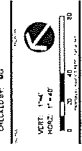


THE ESTATES AT
 MARVIN BRANCH

JONES HONES USA
 UNION COUNTY
 NORTH CAROLINA

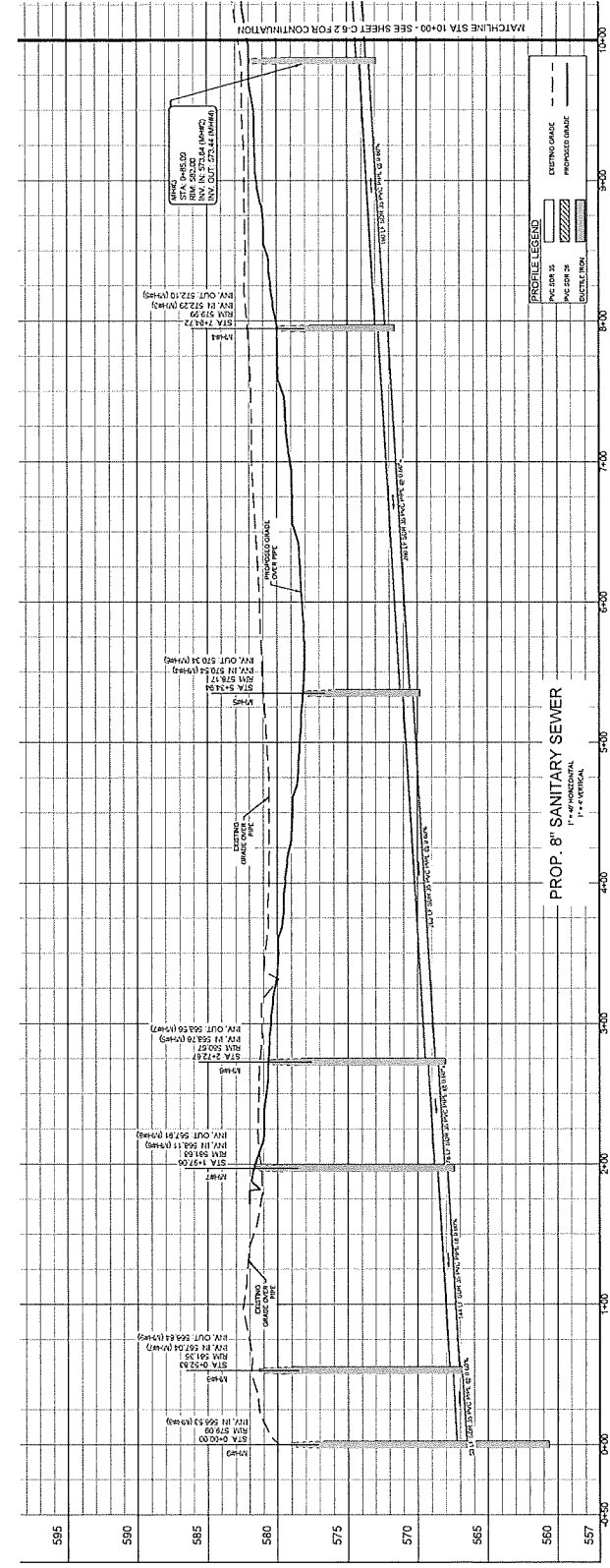
REVISION / ISSUANCE	
NO.	DESCRIPTION
1	UT 10 SUBMITTAL 10/03/2019

DESIGNED BY: BK
 CHECKED BY: NO
 DATE: 10/03/2019

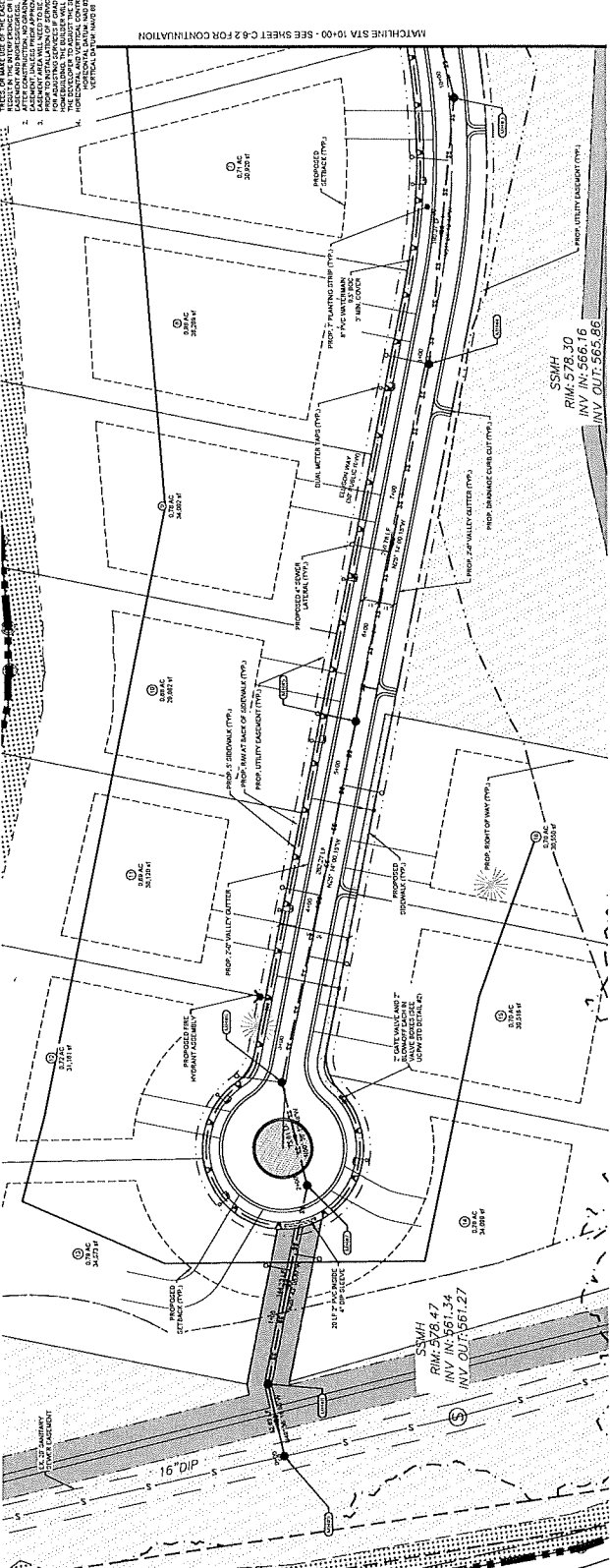


UTILITY PLAN & PROFILE

C-6.1



NOTES:
 1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, AS APPLICABLE TO THIS PROJECT.
 2. AFTER CONSTRUCTION, NO OBSTACLES WILL BE ALLOWED INSIDE THE RIGHT-OF-WAY.
 3. EXISTING UTILITIES SHALL BE MAINTAINED AND PROTECTED. ANY CHANGES TO THE EXISTING UTILITIES SHALL BE APPROVED BY THE UTILITY OWNERS.
 4. THE ELEVATIONS SHOWN ON THIS DRAWING ARE BASED ON THE DATUM INDICATED BY THE NOTES.
 5. THE ELEVATIONS SHOWN ON THIS DRAWING ARE BASED ON THE DATUM INDICATED BY THE NOTES.



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THE ESTATES AT
 MARVIN BRANCH
 JONES HONES USA
 UNION COUNTY
 NORTH CAROLINA

REVISION / ISSUANCE	
NO.	DESCRIPTION / DATE
1	ISSUE FOR PERMIT / 10/03/19

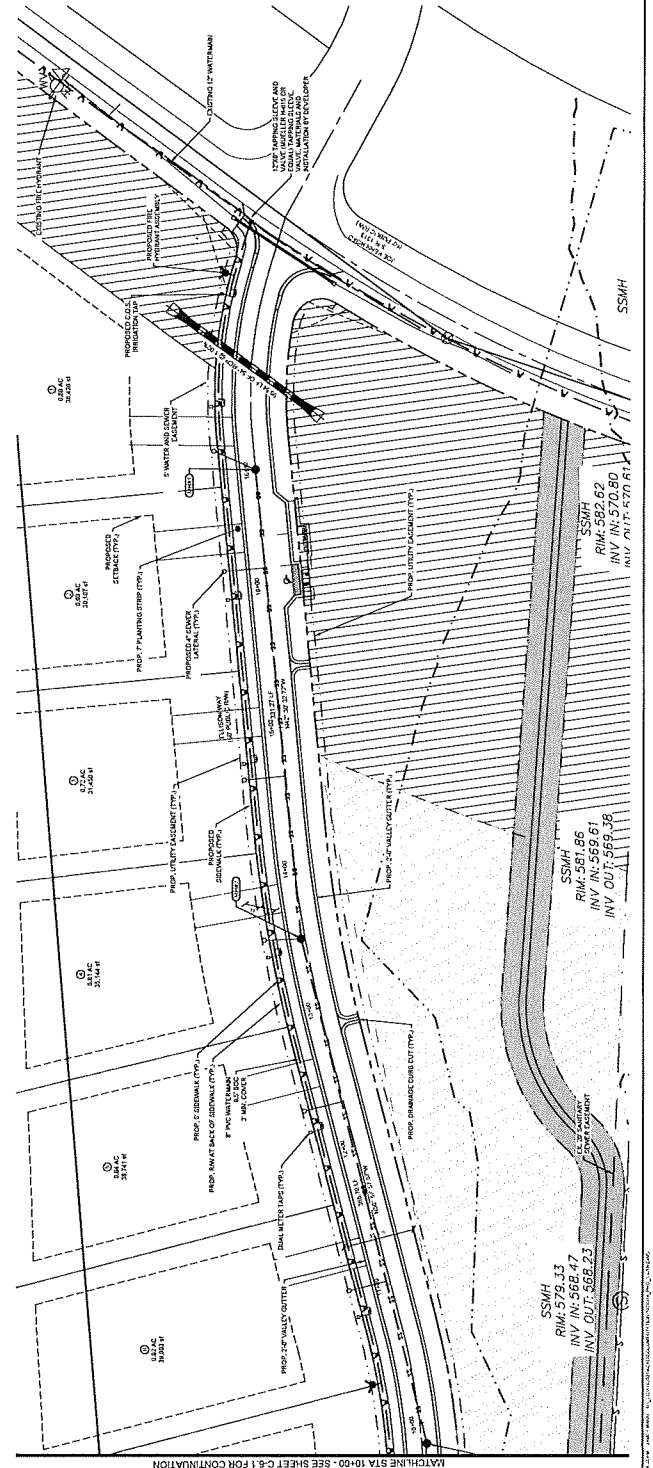
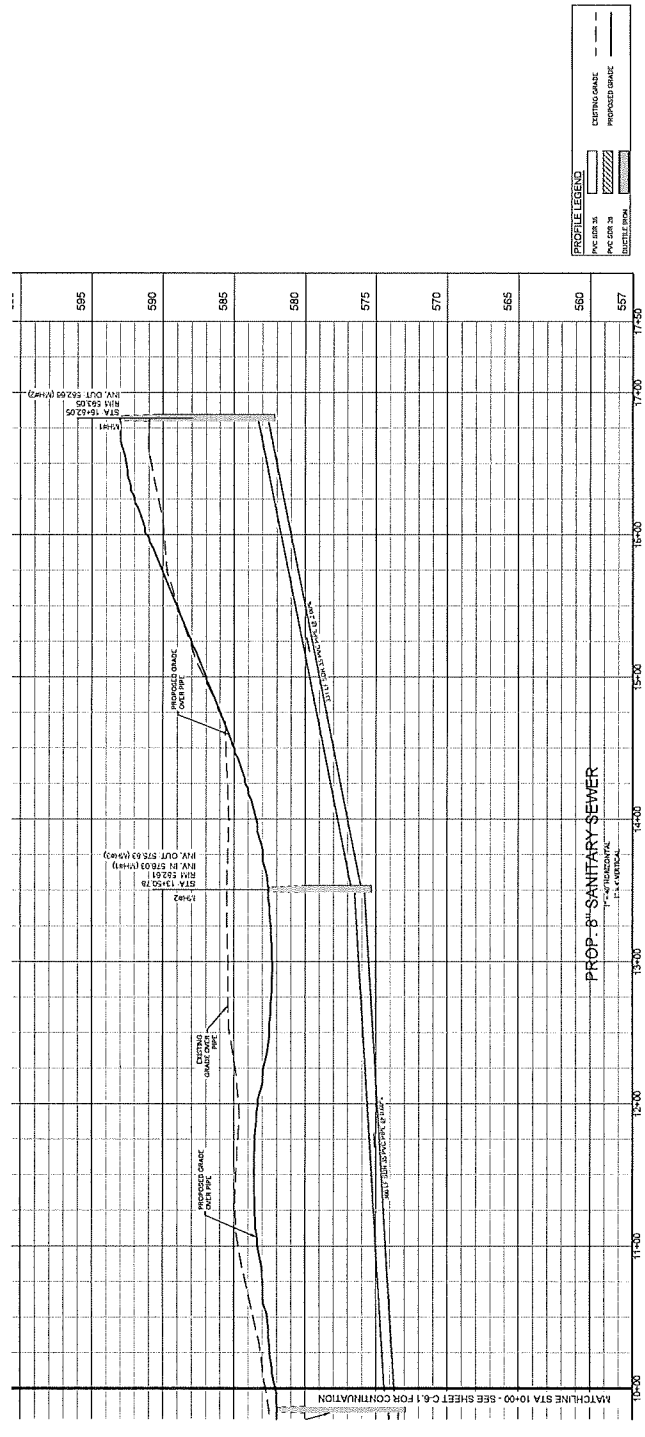
DESIGNED BY: RJC
 DRAWN BY: RJC
 CHECKED BY: RJC
 DATE: 10/03/19



UTILITY PLAN & PROFILE

C-6.2

- NOTES:
1. THE PROPERTY OWNER SHALL NOT CONSIDER THE PERMIT AS A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED HEREIN. THE ENGINEER HAS CONDUCTED VISUAL INSPECTIONS OF THE EXISTING AND PROPOSED UTILITIES AND HAS FOUND THEM TO BE AS SHOWN ON THIS PLAN. THE ENGINEER HAS NOT CONDUCTED ANY OTHER INVESTIGATION OF THE UTILITIES AND IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREIN. THE ENGINEER HAS CONDUCTED VISUAL INSPECTIONS OF THE EXISTING AND PROPOSED UTILITIES AND HAS FOUND THEM TO BE AS SHOWN ON THIS PLAN. THE ENGINEER HAS NOT CONDUCTED ANY OTHER INVESTIGATION OF THE UTILITIES AND IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREIN.
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 4. THE ENGINEER HAS CONDUCTED VISUAL INSPECTIONS OF THE EXISTING AND PROPOSED UTILITIES AND HAS FOUND THEM TO BE AS SHOWN ON THIS PLAN. THE ENGINEER HAS NOT CONDUCTED ANY OTHER INVESTIGATION OF THE UTILITIES AND IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREIN.



MATCHLINE STA 10+00 - SEE SHEET C-6.1 FOR CONTINUATION



THE ESTATES AT
 MARVIN BRANCH
 JONES HONES USA
 UNION COUNTY
 NORTH CAROLINA

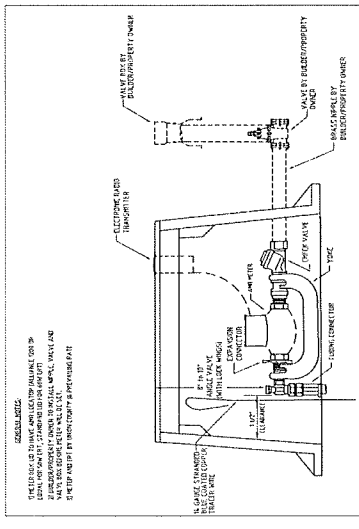
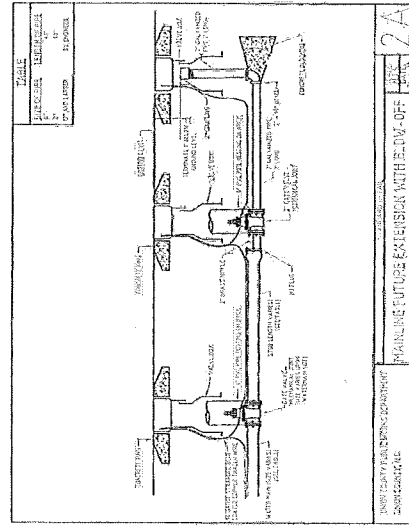
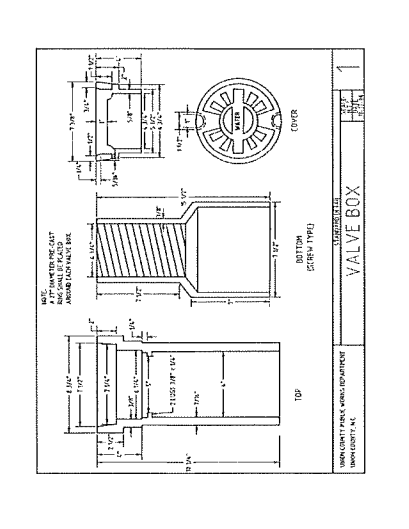
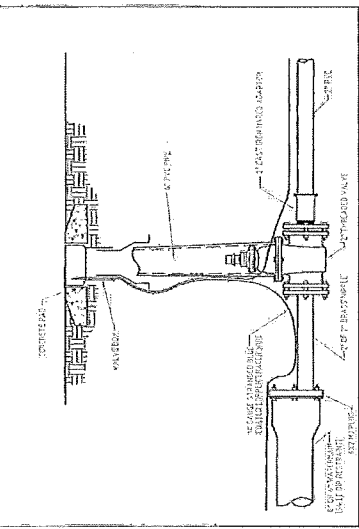
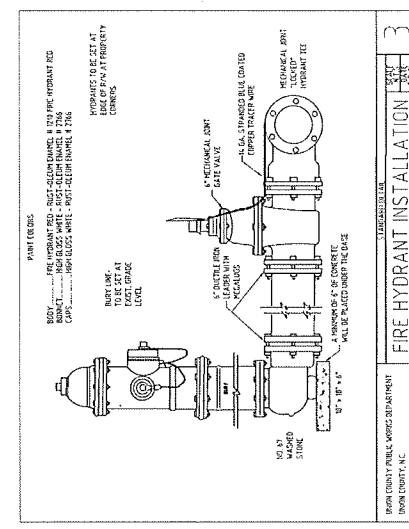
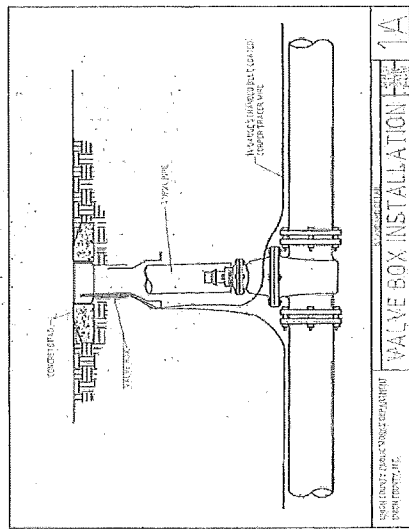
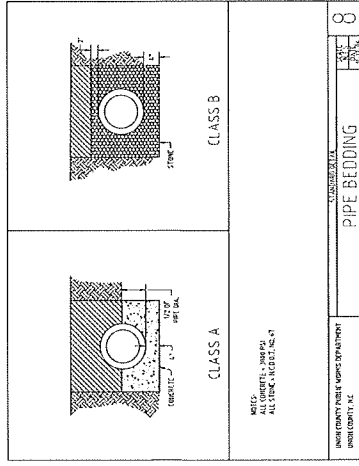
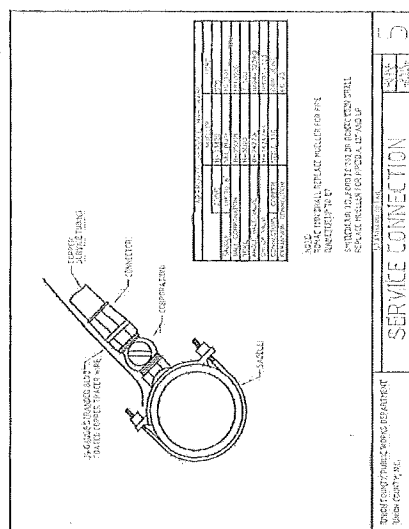
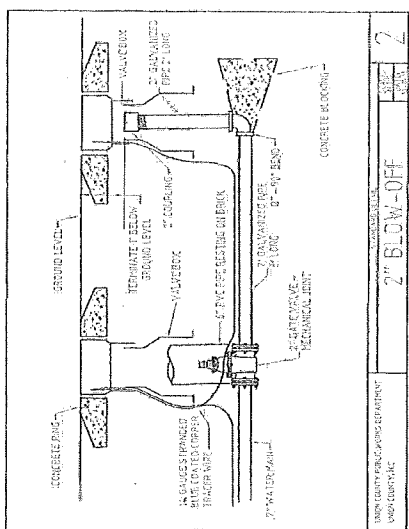
NO.	REVISION / ISSUANCE	DATE
1	PERE DUMPTAL	05/20/14

DESIGNED BY: [Blank]
 CHECKED BY: [Blank]
 DATE: [Blank]

SCALE: 1" = 4'
 1/2" = 4'

UTILITY DETAILS

C-6.3



2

1A

3

2A

6

7

UNION COUNTY PUBLIC WORKS DEPARTMENT
 1000 COUNTY ROAD 100
 SPINDLETON, NC

UNION COUNTY PUBLIC WORKS DEPARTMENT
 1000 COUNTY ROAD 100
 SPINDLETON, NC

UNION COUNTY PUBLIC WORKS DEPARTMENT
 1000 COUNTY ROAD 100
 SPINDLETON, NC

UNION COUNTY PUBLIC WORKS DEPARTMENT
 1000 COUNTY ROAD 100
 SPINDLETON, NC

UNION COUNTY PUBLIC WORKS DEPARTMENT
 1000 COUNTY ROAD 100
 SPINDLETON, NC



REVISION / ISSUANCE	
NO.	DESCRIPTION
1	10/12/2021

DESIGNED BY: BK
 DRAWN BY: BK
 CHECKED BY: BK

DATE: 10/12/2021

PROJECT: THE ESTATES AT MARVIN BRANCH

SCALE: AS SHOWN

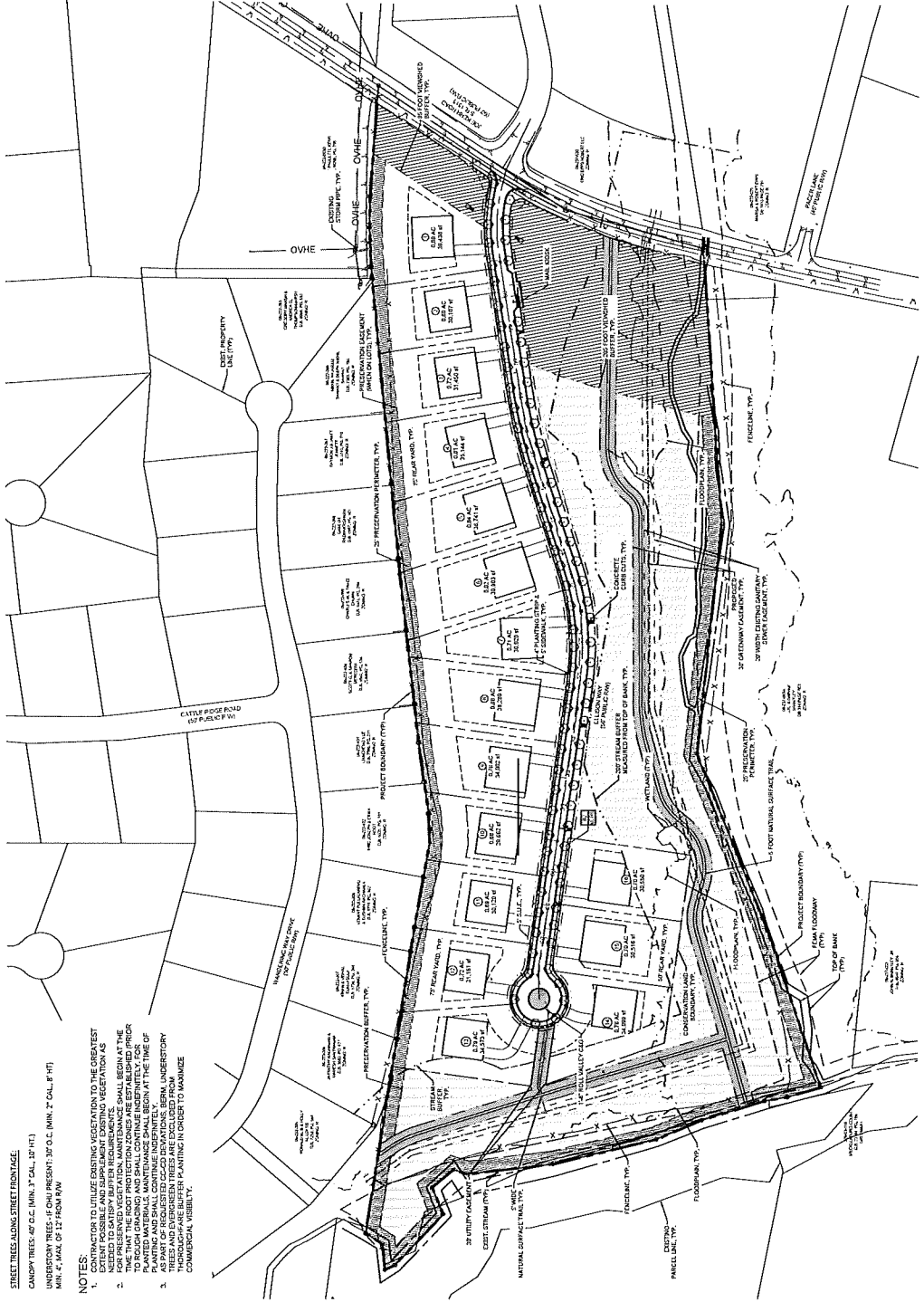
OVERALL PLANTING PLAN

PLANT SCHEDULE STREET TREES								
TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	MIN. CONT.	MIN. CAL.	MIN. HT.	REMARKS
	ACRU	82	ACER RUBRUM	RED MAPLE	B & B	3" CAL.	10'-12'	MATCH SPECIMEN, STRAIGHT LEADER

STREET TREES ALONG STREET FRONTAGE:
 CANOPY TREES: 40' C.C. (MIN. 3" CAL., 12' HT.)
 UNDERSTORY TREES: 15' CHU PRESENT: 20' O.C. (MIN. 2" CAL., 8' HT.)
 MIN. 4', MAX. OF 12' FROM R/W

NOTES:

- CONTRACTOR TO UTILIZE EXISTING VEGETATION TO THE GREATEST EXTENT POSSIBLE AND SUPPLEMENT EXISTING VEGETATION AS NECESSARY TO MAINTAIN VEGETATION COVER AND TO PREVENT EROSION.
- FOR PRESERVED VEGETATION, MAINTENANCE SHALL BEGIN AT THE TIME OF PLANTING AND SHALL CONTINUE INDEFINITELY FOR THE LIFE OF THE PROJECT.
- PLANTED MATERIALS, MAINTENANCE SHALL BEGIN AT THE TIME OF PLANTING AND SHALL CONTINUE INDEFINITELY FOR THE LIFE OF THE PROJECT.
- AS PART OF REGISTERED CC&Z DEVIATIONS, BERN UNDERSTORY TREES SHALL BE MAINTAINED AND PLANTED IN ORDER TO MAINTAIN COMMERCIAL VISIBILITY.



HATCH LEGEND

- 35' & 20' VIEWED BUFFER
- CONSERVATION LAND (35' - 10.56 AC)
- 35' GREENWAY ELEMENT
- 35' PRESERVATION PERIMETER

LINE TYPE LEGEND

- PROJECT BOUNDARY LINE
- EXIST. RAW PROPERTY LINE
- EXIST. EOP
- FEMA FLOODZONE

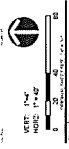


THE ESTATES AT
 MARVIN BRANCH

JONES HOMES USA
 UNION COUNTY
 NORTH CAROLINA

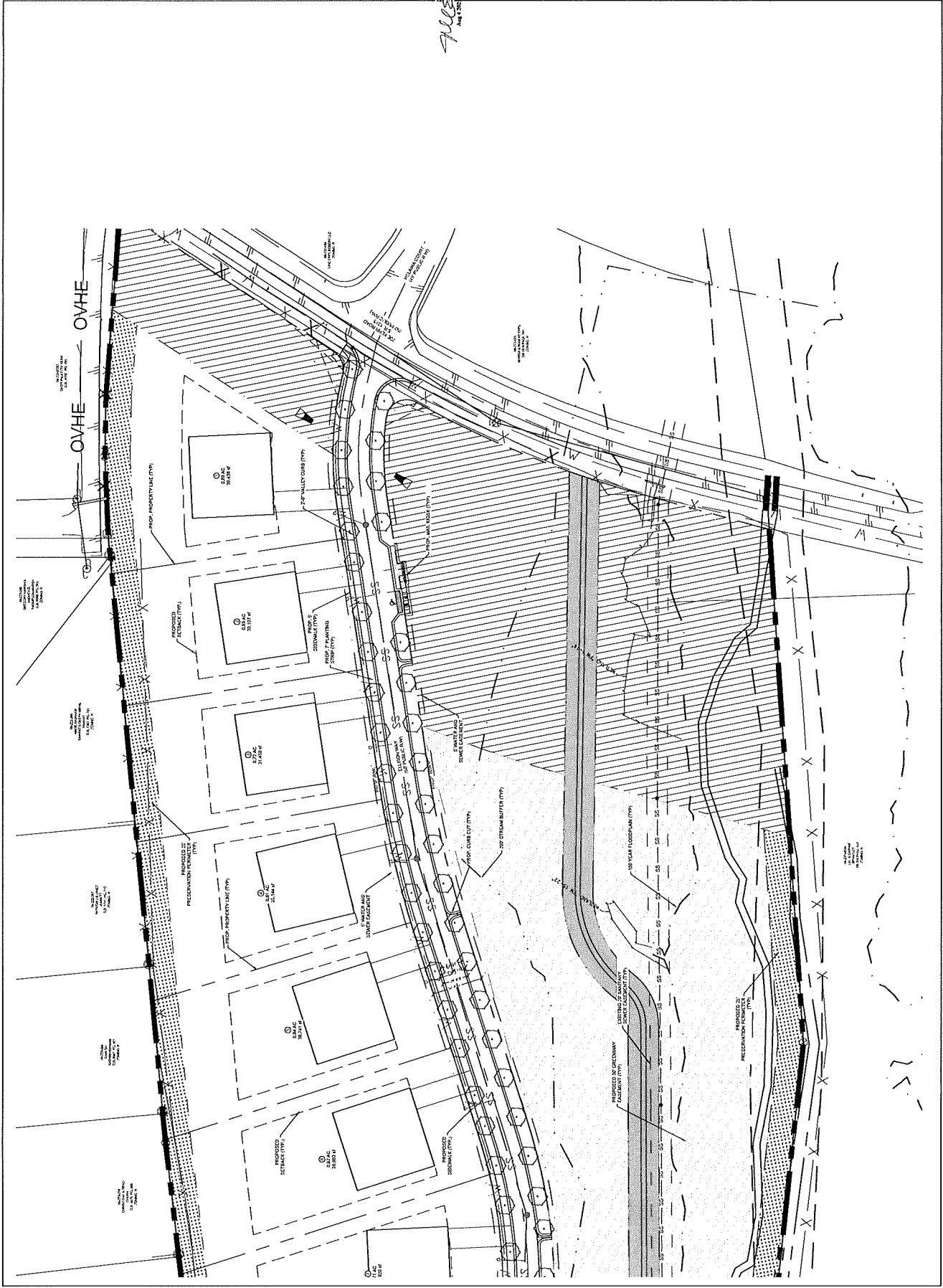
NO.	REVISION / ISSUANCE	DATE
1	1ST IS DRAFTING	03-03-2011

DESIGNED BY: BK
 DRAWN BY: BK
 CHECKED BY: BK



DETAILED PLANTING PLAN

C-7.2



For Estato Comments - send Email

1. According to the Village of Marvins Code of Ordinance Title XV: Land Usage, Chapter 150: Subdivisions, Section 150.065 Stormwater, Item A.2, 'In order to prevent flooding and damage to properties, all developments shall provide stormwater detention to control the peak runoff from the two-, ten-, 25-, 50-, and 100-year, 24-hour storm events to pre-development levels;' It does not appear the current design provide any control for these storm events to pre-development levels.
2. The drainage areas for CC#1 through CC#4 need to extend onto the adjacent properties behind the proposed lots as the contours clearly show runoff being sent toward this development.
3. The drainage areas for CC#5 through CC#10 appear to extend too far and can be reduced based on the contours shown.
4. The design calls for drainage swales to convey runoff from the road through channels to the stream buffer. There is no provision made for erosion protection within the swale or at the end of the swale to diffuse the flow before entering the stream buffer.
5. The plan shows the anticipated flow rate for each swale but does not provide the calculation identifying how the flow rate was derived.
6. While not a stormwater comment, the plan shows the greenway running roughly parallel with the stream so each drainage swale will cross it but no provisions to convey the water over or under the greenway, likely resulting in erosion issues with the greenway.

Please let me know if you have any questions or want to discuss these issues further. Thanks.

Item 3.



VILLAGE OF MARVIN

10004 New Town Road | Marvin, NC | 28173 | Tel: (704) 843-1680 | Fax: (704) 843-1660 | www.marvinncc.org

TO: Planning Board

FROM: Hunter Nestor, Village Planning & Zoning Administrator

SUBJECT: Major Subdivision Sketch Plan for the Heritage

DATE: December 15, 2021

Background

Attached to this memo is the Sketch Plan of the Heritage Subdivision. This is the first review and Staff will provide you with a report during the meeting. The applicant still has to hold a Public Input Meeting, after which the resulting comments and final version of the plan will be brought back to this board if revisions are made. The PIM meeting is tentatively scheduled for 1-12-22. Staff will provide more details during the meeting



HERITAGE AT MARVIN

JONES, LLC
VILLAGE OF MARVIN
UNION COUNTY, NC

PROJECT NO. 1001109

NO.	DESCRIPTION	DATE
1	FINAL	11.08.2021

DESIGNED BY: MCK
CHECKED BY: MCK
DATE: 11/8/2021

UTILITY PLAN

SK-5.0

DEVELOPMENT SUMMARY

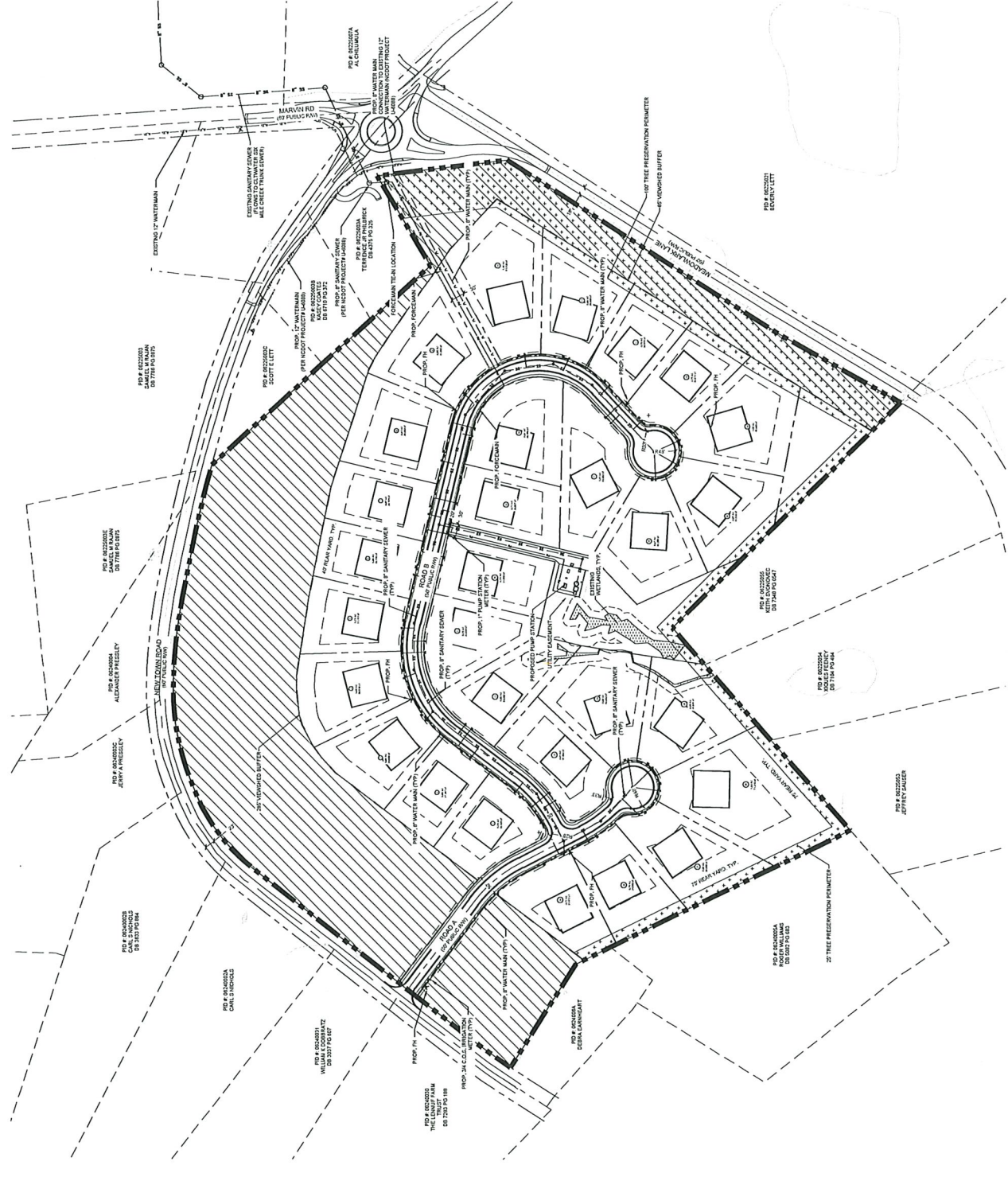
PARCEL ID: 0022022, 0040022
TOTAL ACREAGE: #47,115 ACRES
LOCATION: MARVIN, NC
STATUS: VACANT
PROPOSED USE: CONVENTIONAL SUBDIVISION
DEVELOPMENT STANDARDS: 30,000 SF (20% @ 25,000 SF)
MINIMUM LOT AREA: 50 FEET
MINIMUM FRONT YARD SETBACK: 20 FEET
MINIMUM SIDE YARD SETBACK: 20 FEET
MINIMUM REAR YARD SETBACK: 40 FEET (75' IF ABUTTING R)
MAXIMUM BUILDING HEIGHT: 30 FEET
CONSERVATION LAND REQUIRED: 7.27 ACRES (15.26%)
CONSERVATION LAND PROVIDED: 15.46 ACRES (32.82%)
MARVIN LDD SECTION 151.081
LARGE-TRACT SUBDIVISION STANDARDS - MAXIMUM ALLOWABLE LOTS TO BE SUBDIVIDED:
#47,115 AC @ 0.00221 = 0.00098 X C.L. 32.25%
MAXIMUM NUMBER OF LOTS ALLOWED: 47,115
PROPOSED LOTS:
UNIT MIX:
3 (10.25%)
20
30
35
DENSITY: 0.01234

ESTIMATED SEWER FLOWS:

SINGLE FAMILY 20 HOMES @ 100 GPD = 5,510 GPD
TOTAL ESTIMATED DEMAND = 5,510 GPD
NATURE OF WASTEWATER: DOMESTIC FLOWS TO CL WATER
ESTIMATED WATER FLOWS:
SINGLE FAMILY 20 HOMES @ 400 GPD = 11,000 GPD
IRRIGATION: 200 GPD @ 200 GPD = 5,000 GPD
COMMON AREA 125,000 SF @ 1" PER WEEK/7 DAYS = 10,652 GPD
TOTAL ESTIMATED DEMAND = 26,162 GPD

ESTIMATED WATER METERS:

20 - 2" WATER METERS
30 - 1" IRRIGATION METERS
30 - 1" SANITARY METERS
100 - 1/2" SANITARY METERS
FIRE HYDRANTS - 5 EA
SANITARY SERVICES - 20 EA
FOREMAN - 126 LF
CONSTRUCTION SCHEDULE:
BEGIN CONSTRUCTION: SEPTEMBER 2022
COMPLETE CONSTRUCTION: DECEMBER 2023



DATE PLOTTED: 11/18/2021 10:58:10 AM