

# NC WAKE BOATS ADDITION

## CONSTRUCTION PLANS SPECIAL USE PERMIT #BOA2310-0001 APPROVED: 12/12/23 HARNETT COUNTY, NC

### PROPERTY DATA

**PROJECT NAME:**  
NC WAKE BOATS ADDITION  
HARNETT COUNTY, NORTH CAROLINA

**PROJECT SCOPE:**  
COMMERCIAL BUILDING ADDITION

**SITE LOCATION:**  
HOLLY SPRINGS CHURCH ROAD  
BROADWAY, NORTH CAROLINA

**DEVELOPER:**  
NC WAKE BOATS  
143 HOLLY SPRINGS CHURCH ROAD  
BROADWAY, NC 27505  
CONTACT: MR. DAVID TURNER  
PHONE: 919-928-1104

**CIVIL ENGINEER:**  
ARNOLD LAND DESIGN, PLLC  
113 YOSEMITE COURT  
HOLLY SPRINGS, NORTH CAROLINA 27540  
CONTACT: MR. DAVID ARNOLD, PE  
PHONE: 919-630-2552

**PROPERTY INFORMATION:**  
OWNER: SUTTON AND HAYES, LLC  
DEED BOOK: 4176; PAGE: 2421  
BM: 2016, PG: 24  
PIN NO. 9691-54-0320.000

**PROJECT ACREAGE:**  
86,199 SF (1.98 ACRES)

**ZONING CLASSIFICATION:**  
RA-30

**LAND USE CLASSIFICATION:**  
AGRICULTURAL & RURAL RESIDENTIAL

### SHEET INDEX

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VICINITY MAP  
1"=1,000 FT

### NOTES

- WATERLINE CONSTRUCTION AND TIE-IN WILL NEED TO BE COORDINATED AND INSPECTED BY HRW CONSTRUCTION INSPECTOR CHAD EVERETT.
- NC DOT UTILITIES MANUAL DATED 2022 SECTION 3.4.9.1 REQUIRES FIRE HYDRANTS TO BE LOCATED AT THE BACK OF DITCH. WATER METERS WILL ALSO NEED TO BE LOCATED AT THE BACK OF THE DITCH. THE WATER LINE IS LOCATED AT THE FRONT OF THE DITCH.

OWNERS CONSENT:  
AS THE OWNER OF RECORD, I HEREBY FORMALLY CONSENT TO THE PROPOSED DEVELOPMENT SHOWN ON THIS SITE PLAN AND ALL REGULATIONS AND REQUIREMENTS OF THE HARNETT COUNTY ORDINANCES

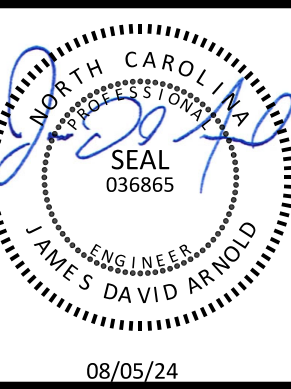
*David Turner*  
OWNERS SIGNATURE

8/5/2024  
DATE

REVISION DESCRIPTION

DATE

NO.



**ALD**  
ARNOLD LAND DESIGN  
113 YOSEMITE COURT  
HOLLY SPRINGS, NC 27540  
(919) 630-2552

DESIGN BY:  
JDA

DATE:  
2024-08-05

SCALE:  
NTS

DRAWN BY:  
JDA

NC WAKE BOATS ADDITION

HARNETT COUNTY, NC

COVER SHEET

SHEET NO:

C0.0



## HARNETT REGIONAL WATER REQUIRED UTILITY NOTES

**WATER**

- A. The Fire Marshal's Office shall approve all hydrant types and locations in new subdivisions. However, Harnett Regional Water (HRW) prefers the contractors to install one of the following fire hydrants:
  1. Mueller - Super Centurion 250 A-423 model with a 5 1/2" main valve opening three way (two hose nozzles and one pumper nozzle); 2. American Darling - Mark B-84-B model with a 5 1/2" main valve opening three way (two hose nozzles and one pumper nozzle); 3. Waterous - Pacer B-67-250 model with a 5 1/2" main valve opening three way (two hose nozzles and one pumper nozzle) or approved equal for standardization.
- B. Fire hydrants are installed at certain elevations. Any grade change near any fire hydrant, which impedes its operation, shall become the responsibility of the Utility Contractor for correction. Corrections will be monitored by the HRW Utility Construction Inspector and the Harnett County Fire Marshal.
- C. The Professional Engineer (PE) shall obtain and provide the NCDEQ "Authorization to Construct" permit to the Utility Contractor before the construction of the water line shall begin. The Utility Contractor must post a copy of the NCDEQ "Authorization to Construct" permit issued by the North Carolina Department of Environmental Quality (NCDEQ) on site prior to the start of construction. The permit must be maintained on site throughout the entire construction process of the proposed water lines that will serve this project.
- D. The Utility Contractor shall notify Harnett Regional Water (HRW) and the Professional Engineer (PE) at least two days prior to construction commencing. The Utility Contractor must schedule a pre-construction conference with Mr. Chad Everette, HRW Utility Construction Inspector at least two (2) days before construction will begin and the Utility Contractor must coordinate with HRW for regular inspection visitations and acceptance of the water system(s). Construction work shall be performed only during the normal working hours of HRW which is 8:00 am – 5:00 pm Monday through Friday. Holiday and weekend work is not permitted by HRW.
- E. The Professional Engineer (PE) shall provide HRW and the Utility Contractor with a set of NCDEQ approved plans marked "Released for Construction" at least two days prior to construction commencing. The Registered Land Surveyor (RLS) should stake out all lot corners and the grade stakes for the proposed finish grade for each street before the Utility Contractor begins construction of the water line(s). The grade stakes should be set with a consistent offset from the street centerline so as not to interfere with the street grading and utility construction.
- F. The Utility Contractor shall provide the HRW Utility Construction Inspector with material submittals and shop drawings for all project materials prior to the construction of any water line extension(s), and associated water services in Harnett County. The materials to be used on the project must meet the established specifications of HRW and be approved by the Engineer of Record prior to construction. All substandard materials or materials not approved for use in Harnett County found on the project site must be removed immediately when notified by the HRW Utility Construction Inspector.
- G. The water main(s), fire hydrants, service lines, meter setters and all associated appurtenances shall be constructed in strict accordance with the standard specifications of the Harnett Regional Water (HRW). The Utility Contractor shall be responsible to locate the newly installed water main(s), water service lines and all associated meter setters and meter boxes for other utility companies and their contractors until the new water main(s) have been approved by the North Carolina Department of Environmental Quality, Division of Environmental Health, Public Water Supply Section (NCDEQ, DEH, PWS) and accepted by HRW.
- H. Prior to acceptance, all services will be inspected to insure that they are installed at the proper depth. All meter boxes must be flush with the ground level at finish grade and the meter setters must be a minimum of 8" below the meter box lid. Meter setters shall be centered in the meter box and supported by brick, block or stone.
- I. The Utility Contractor shall provide the Professional Engineer (PE) and HRW Utility Construction Inspector with a set of red line drawings identifying the complete water system installed for each project. The red line drawings should identify the materials, pipe sizes and approximate depths of the water lines as well as the gate valves, fire hydrants, meter setters, blow off assemblies and all associated appurtenances for all water line(s) constructed in Harnett County. The red line drawings should clearly identify any deviations from the NCDEQ approved plans. All change orders must be approved by HRW and the Professional Engineer (PE) in writing and properly documented in the red line field drawings.
- J. Potable water mains crossing other utilities and non-potable water lines (sanitary sewer, storm sewer, RCP, etc.) shall be laid to provide a minimum vertical distance of twenty-four (24") inches between the potable water main and all other utilities. NCDOT requires the new water mains to be installed under the storm water lines. The potable water main shall be installed with twenty-four (24") inches of vertical separation and with ductile iron pipe when designed to be placed under a nonpotable water line such as sanitary sewer or storm sewer lines. If these separations cannot be maintained then the water main shall be installed with ductile iron pipe. Both the potable water main and the non-potable water line must be cast iron or ductile iron pipe (DIP) if the state minimum separations cannot be maintained. The ductile iron pipe must be laid so the mechanical joints are at least (10') feet from the point where the potable water main crosses the non-potable water line.
- K. Potable water mains installed parallel to non-potable water lines (sanitary sewer, storm sewer, RCP, etc.) shall be laid to provide a minimum horizontal distance of ten (10') feet between the potable water main and sanitary sewer mains, sewer laterals and services. The horizontal separation between the potable water main and any other utility or storm sewer shall not be less than five (5') feet. The potable water main must be ductile iron pipe if this horizontal separation of ten (10') feet cannot be maintained. The ductile iron pipe shall extend at least ten (10') feet beyond the point where the minimum required horizontal separation of ten (10') feet can be re-established.
- L. Meter setters shall be installed in pairs on every other lot line where possible to leave adequate space for other utilities to be installed at a later time. The meter setters shall be installed at least one (1') foot inside the right-of-way and at least three (3') to five (5') feet from the property line between the lots.
- M. HRW requires that meter boxes for 3/4" services shall be 12" wide x 17" long ABS plastic boxes at least 18" in height with cast iron lids/covers. Meter boxes for 1" services shall be 17" wide x 21" long ABS plastic boxes at least 18" in height with plastic lids and cast iron flip covers in the center of the lids. Meter boxes for 2" services shall be 20" wide x 32" long ABS plastic boxes at least 20" in height with plastic lids and cast iron flip covers in the center of the lids.
- N. Master meters must be installed in concrete vaults sized for the meter assembly and associated appurtenances so as to provide at least eighteen (18") inches of clearance between the bottom of the concrete vault and the bottom of the meter setter. The master meter must be provided test ports if the meter is not equipped with test ports from the manufacturer in accordance with the HRW established standard specifications and details. Ductile iron pipe must be used for the master meter vault piping and valve vault piping. The Utility Contractor must provide shop drawings for the meter vaults to HRW prior to ordering the concrete vaults.
- O. The Utility Contractor will install polyethylene SDR-9 water service lines that cross under the pavement inside a schedule 40 PVC conduit to allow for removal and replacement in the future. Two (2) independent 3/4" water service lines may be installed inside one (1) – two (2") inch schedule 40 PVC conduit or two (2) independent 1" water service lines may be installed inside one (1) – three (3") inch schedule 40 PVC conduit, but each water service shall be tapped directly to the water main. Split services are not allowed by HRW. If sidewalks are proposed, the conduit must extend past the sidewalk.
- P. The water main(s), fire hydrants, gate valves, service lines, meter setters and associated appurtenances must be rated for 200 psi and hydrostatically pressure tested to 200 psi. The hydrostatic pressure test(s) must be witnessed by the HRW Utility Construction Inspector. The Utility Contractor must notify HRW when they are ready to begin filling in lines and coordinate with Harnett Regional Water to witness all pressure testing.
- Q. The Utility Contractor shall conduct a pneumatic pressure test using compressed air or other inert gas on the stainless steel tapping sleeve(s) prior to making the tap on the existing water main. This pneumatic pressure test must be witnessed by the HRW Utility Construction Inspector. The Utility Contractor shall use Romac brand stainless steel tapping sleeve(s) or approved equal for all taps made in Harnett County. All new water line extensions must begin with a resilient wedge type gate valve sized equal to the diameter of the new water line extension in order to provide a means of isolation between Harnett Regional Water's existing water mains and the new water line extensions under construction.
- R. All water mains will be constructed with SDR-21 PVC Pipe or Class 50 Ductile Iron Pipe rated for at least 200 psi or greater. All pipes must be protected during loading, transport, unloading, staging, and installation. PVC pipe must be protected from extended exposure to sunlight prior to installation.
- S. All water mains will be flushed and disinfected in strict accordance with the standard specifications of the Harnett Regional Water. All water samples collected for bacteria testing will be collected by the HRW Utility Construction Inspector and tested in the HRW Laboratory.
- T. All fittings larger than two (2") inches diameter shall be ductile iron. HRW requires that mechanical joints be assembled with grip rings as "Megalug" fittings are not approved by Harnett Regional Water for pipe sizes smaller than twelve inches (12") diameter. PVC pipe used for water mains shall be connected by slip joint or mechanical joint with grip rings. Glued pipe joints are not allowed on PVC pipe used for water mains in Harnett County.
- U. HRW requires that the Utility Contractor install tracer wire in the trench with all water lines. The tracer wire shall be 12 ga. insulated, solid copper conductor and it shall be terminated at the top of the valve boxes or manholes. No spliced wire connections shall be made underground on tracer wire installed in Harnett County. The tracer wire may be secured with duct tape to the top of the pipe before backfilling.
- V. The Utility Contractor will provide Professional Engineer (PE) and the HRW Utility Construction Inspector with a set of red line field drawings to identify the installed locations of the water line(s) and all associated services. All change orders must be pre-approved by HRW and the Professional Engineer (PE) in writing and properly documented in the red line field drawings.
- W. The Utility Contractor shall spot dig to expose each utility pipe or line which may conflict with construction of proposed water line extensions well in advance to verify locations of the existing utilities. The Utility Contractor shall provide both horizontal and vertical clearances to the Professional Engineer (PE) to allow the PE to adjust the water line design in order to avoid conflicts with existing underground utilities. The Utility Contractor shall coordinate with the utility owner and be responsible for temporary relocation and/or securing existing utility poles, pipes, wires, cables, signs and/or utilities including services in accordance with the utility owner requirements during water line installation, grading and street construction.
- X. Prior to the commencement of any work within established utility easements or NCDOT right-of-ways the Utility Contractor is required to have a signed NCDOT encroachment agreement posted on site and notify all concerned utility companies in accordance with G.S. 87-102. The Utility Contractor must call the NC One Call Center at 811 or (800) 632-4949 to verify the location of existing utilities prior to the beginning of construction. Existing utilities shown in these plans are taken from maps furnished by various utility companies and have not been physically located or verified by the P.E. (i.e. TELEPHONE, CABLE, WATER, SEWER, ELECTRICAL POWER, FIBER OPTIC, NATURAL GAS, ETC.). The Utility Contractor will be responsible to repair any and all damages to the satisfaction of the related utility company.
- Y. The Utility Contractor shall provide HRW with at least one (1) fire hydrant wrench and one (1) break-away flange kit for every subdivision with fire hydrants developed in Harnett County. These items must be provided to HRW before the final inspection will be scheduled by the HRW Utility Construction Inspector. In addition, the Utility Contractor shall install a 4" x 4" concrete valve marker at the edge of the right-of-way to identify the location of each gate valve installed in the new water system with the exception of the fire hydrant isolation valves. The contractor shall measure the distance from the center of the concrete marker to the center of the valve box. This distance (in linear feet) shall be stamped on the brass plate located on the top of the concrete valve marker. In lieu of installing the concrete valve markers, the Utility Contractor may provide at least two measurements from two independent permanent above ground structures to the Professional Engineer (PE) in the red line drawings to identify the valve locations. The Professional Engineer (PE) must include these measurements in the As-Built Record Drawings submitted to HRW.
- Z. The Utility Contractor will be responsible for any and all repairs due to leakage damage from poor workmanship during the one year warranty period once the water system improvements have been accepted by Harnett Regional Water. Harnett Regional Water will provide maintenance and repairs when requested and bill the Developer and/or Utility Contractor if necessary due to lack of response within 48 hours of notification of warranty work. The Utility Contractor will be responsible for any and all repairs due to damages resulting from failure to locate the new water lines and associated appurtenances for other utilities and their contractors until the water lines have been approved by NCDEQ and accepted by HRW. The final inspection of water system improvements cannot be scheduled with HRW until the streets have been paved; the rights-of-way and utility easements have been seeded and stabilized with an adequate stand of grass in place to prevent erosion issues on site.
- AA. The Engineer of Record is responsible to insure that construction is, at all times, in compliance with accepted sanitary engineering practices and approved plans and specifications. No field changes to the approved plans are allowed without prior written approval by HRW. A copy of each engineer's field report is to be submitted to HRW as each such inspection is made on system improvements or testing is performed by the contractor. Water and sewer infrastructure must pass all tests required by HRW specifications and those of all applicable regulatory agencies. These tests include, but are not limited to: air test, vacuum test, mandrel test, visual test, pressure test, bacteriological test, etc. A HRW must be present during testing and all test results shall be submitted to HRW. All tests must be satisfied before the final inspection will be scheduled with the HRW Inspector. The Engineer of Record must request in writing to schedule the final inspection once all construction is complete. The Developer's Engineer of Record and the HRW Utility Construction Inspector shall prepare a written punch list of any defects or deficiencies noted during the final inspection, should any exist. Upon completion of the punch list, the Developer's Engineer of Record will schedule another inspection. In the event the number of inspections performed by the HRW exceeds two, additional fees may be assessed to the Developer.

REVISION DESCRIPTION

DATE

NO.



08/05/24

**ALD**  
ARNOLD LAND DESIGN  
113 YOSEMITE COURT  
HOLLIS, NC 27540  
(919) 890-2552

DESIGN BY:  
JDA

DRAWN BY:  
JDA

DATE:  
2024-08-05

SCALE:  
N/A

NC WAKE BOATS ADDITION

HARNETT COUNTY, NC

HARNETT REGIONAL WATER UTILITY NOTES

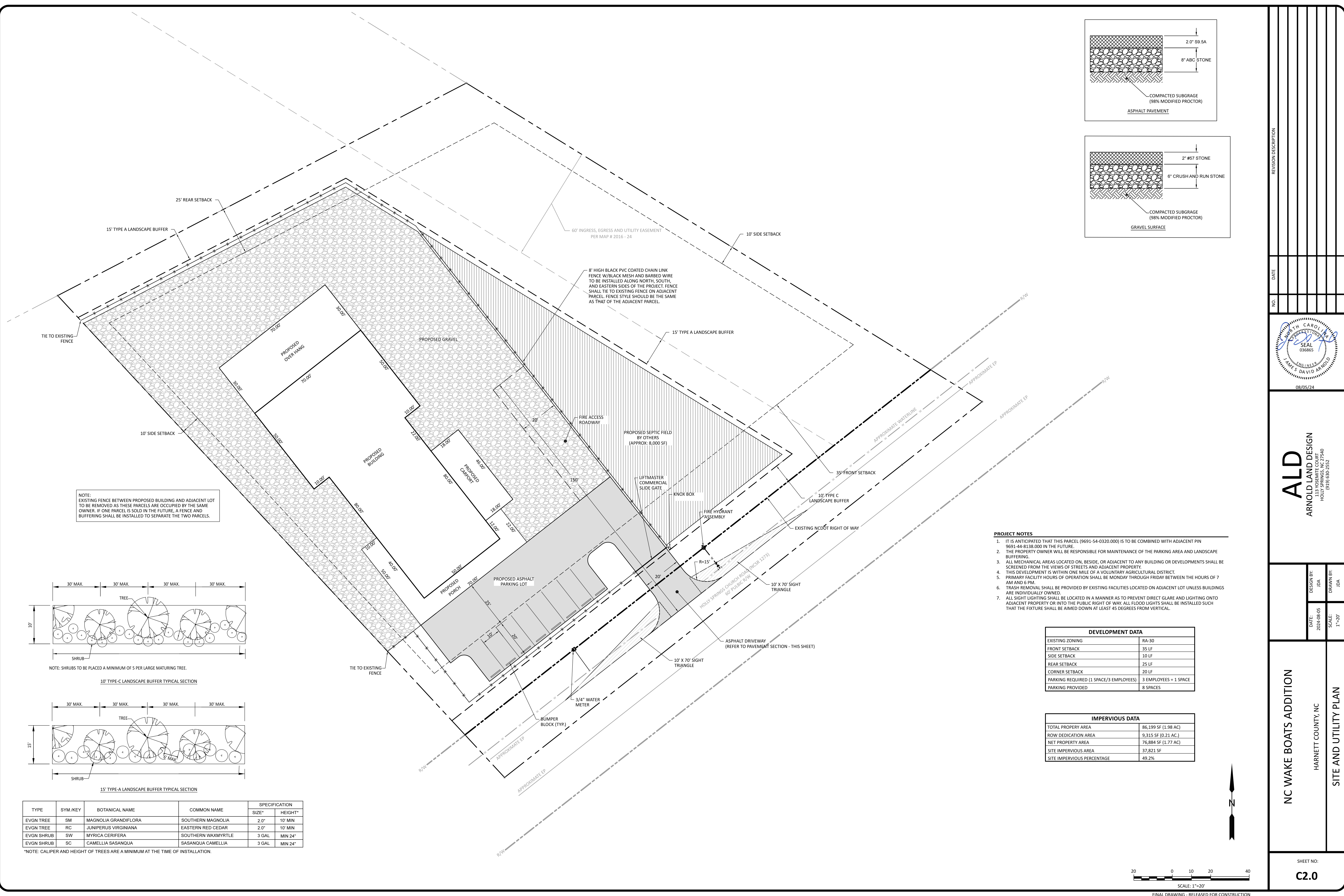
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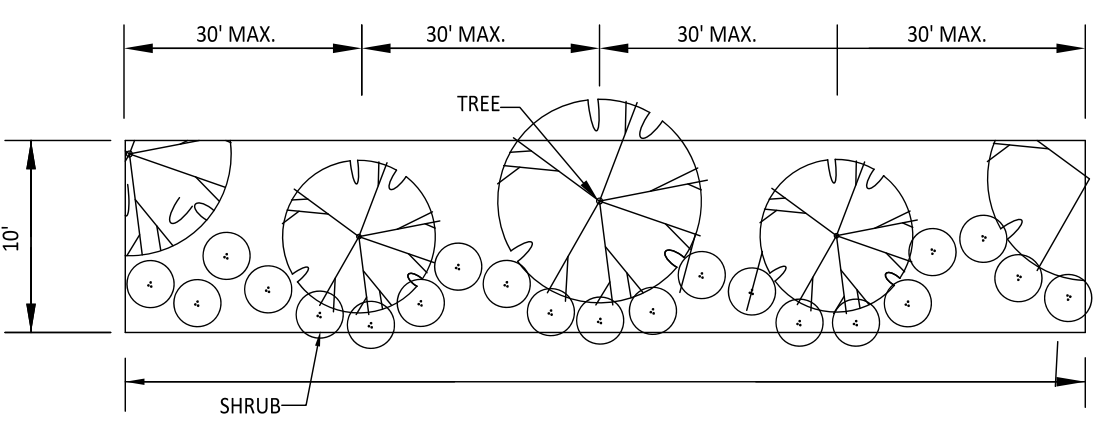






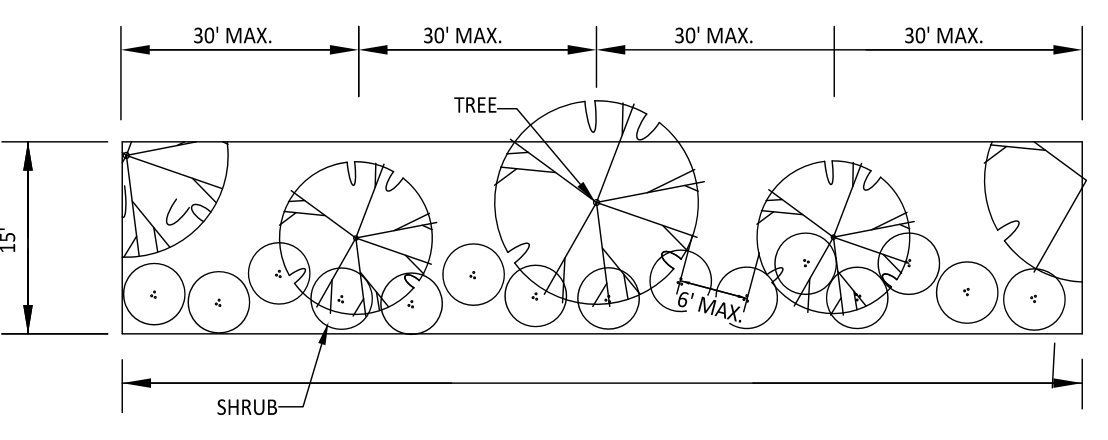


NOTE: EXISTING FENCE BETWEEN PROPOSED BUILDING AND ADJACENT LOT TO BE REMOVED AS THESE PARCELS ARE OCCUPIED BY THE SAME OWNER. IF ONE PARCEL IS SOLD IN THE FUTURE, A FENCE AND BUFFERING SHALL BE INSTALLED TO SEPARATE THE TWO PARCELS.



NOTE: SHRUBS TO BE PLACED A MINIMUM OF 5 PER LARGE MATURING TREE.

10' TYPE-C LANDSCAPE BUFFER TYPICAL SECTION



15' TYPE-A LANDSCAPE BUFFER TYPICAL SECTION

TYPE	SYM./KEY	BOTANICAL NAME	COMMON NAME	SPECIFICATION	
				SIZE*	HEIGHT*
EVGN TREE	SM	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA	2.0"	10' MIN
EVGN TREE	RC	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	2.0"	10' MIN
EVGN SHRUB	SW	MYRICA CERIFERA	SOUTHERN WAXMYRTLE	3 GAL	MIN 24"
EVGN SHRUB	SC	CAMELLIA SASANQUA	SASANQUA CAMELLIA	3 GAL	MIN 24"

\*NOTE: CALIPER AND HEIGHT OF TREES ARE A MINIMUM AT THE TIME OF INSTALLATION.

- PROJECT NOTES**
- IT IS ANTICIPATED THAT THIS PARCEL (9691-54-0320.000) IS TO BE COMBINED WITH ADJACENT PIN 9691-44-8138.000 IN THE FUTURE.
  - THE PROPERTY OWNER WILL BE RESPONSIBLE FOR MAINTENANCE OF THE PARKING AREA AND LANDSCAPE BUFFERING.
  - ALL MECHANICAL AREAS LOCATED ON, BESIDE, OR ADJACENT TO ANY BUILDING OR DEVELOPMENTS SHALL BE SCREENED FROM THE VIEWS OF STREETS AND ADJACENT PROPERTY.
  - THIS DEVELOPMENT IS WITHIN ONE MILE OF A VOLUNTARY AGRICULTURAL DISTRICT.
  - PRIMARY FACILITY HOURS OF OPERATION SHALL BE MONDAY THROUGH FRIDAY BETWEEN THE HOURS OF 7 AM AND 6 PM.
  - TRASH REMOVAL SHALL BE PROVIDED BY EXISTING FACILITIES LOCATED ON ADJACENT LOT UNLESS BUILDINGS ARE INDIVIDUALLY OWNED.
  - ALL SIGHT LIGHTING SHALL BE LOCATED IN A MANNER AS TO PREVENT DIRECT GLARE AND LIGHTING ONTO ADJACENT PROPERTY OR INTO THE PUBLIC RIGHT OF WAY. ALL FLOOD LIGHTS SHALL BE INSTALLED SUCH THAT THE FIXTURE SHALL BE AIMED DOWN AT LEAST 45 DEGREES FROM VERTICAL.

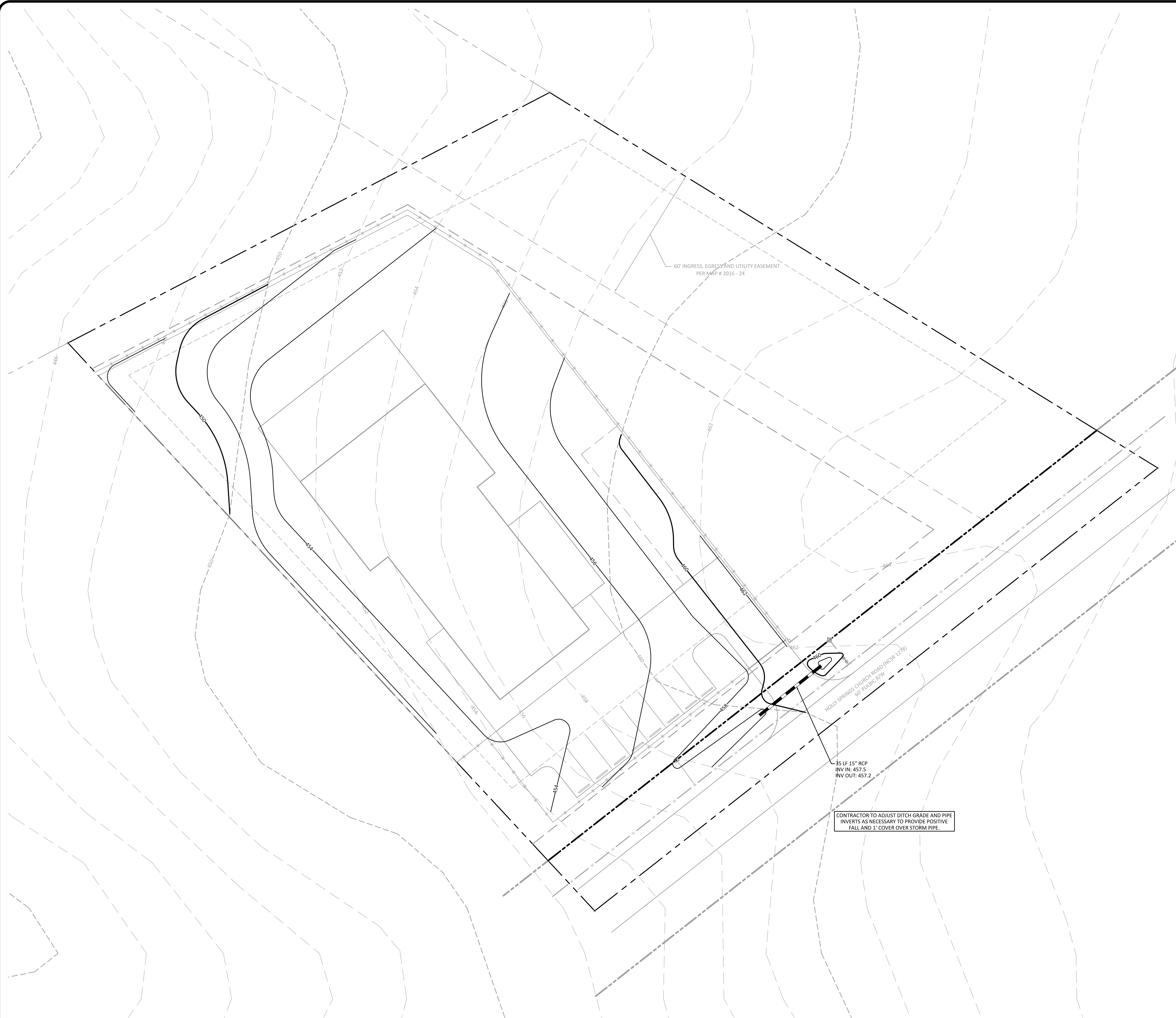
DEVELOPMENT DATA	
EXISTING ZONING	RA-30
FRONT SETBACK	35 LF
SIDE SETBACK	10 LF
REAR SETBACK	25 LF
CORNER SETBACK	20 LF
PARKING REQUIRED (1 SPACE/3 EMPLOYEES)	3 EMPLOYEES = 1 SPACE
PARKING PROVIDED	8 SPACES

IMPERVIOUS DATA	
TOTAL PROPERTY AREA	86,199 SF (1.98 AC)
ROW DEDICATION AREA	9,315 SF (0.21 AC.)
NET PROPERTY AREA	76,884 SF (1.77 AC)
SITE IMPERVIOUS AREA	37,821 SF
SITE IMPERVIOUS PERCENTAGE	49.2%



<p>REVISION DESCRIPTION</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 80%;">REVISION DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	REVISION DESCRIPTION				<p>DATE</p> <p>NO.</p> <div style="text-align: center;"> <p>08/05/24</p> </div> <p style="text-align: center;"><b>ALD</b> ARNOLD LAND DESIGN 113 YOSEMITE COURT HOLLY SPRING, NC 27540 (919) 890-2574</p>
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<p>NC WAKE BOATS ADDITION</p> <p>HARNETT COUNTY, NC</p> <p>SITE AND UTILITY PLAN</p>	<p>SHEET NO:</p> <p><b>C2.0</b></p>						

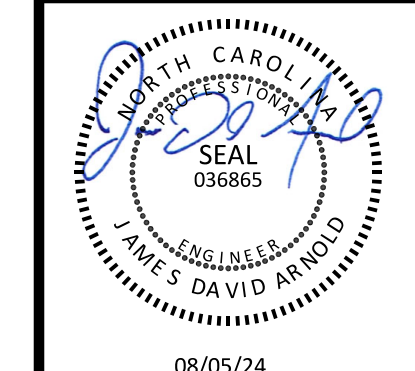




- GRADING NOTES**
1. PROPOSED CONTOURS REPRESENT APPROXIMATE ELEVATIONS AT A POINT. PROPOSED SPOT ELEVATIONS SUPERSEED CONTOUR INFORMATION.
  2. ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE AWAY FROM BUILDING FOUNDATIONS AND SHALL MAINTAIN ADEQUATE DRAINAGE DURING CONSTRUCTION.
  3. ALL GRADING, BACKFILLING, EXCAVATION, ETC. SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS SET FORTH BY THE LOCAL GOVERNING AUTHORITY. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR COORDINATING ALL CONSTRUCTION ACTIVITIES WITH SAID AUTHORITY.
  4. CONTRACTOR IS TO CONTACT NORTH CAROLINA "ONE CALL" AT 811 FOR UNDERGROUND UTILITY LOCATION 48 HOURS PRIOR TO ANY DIGGING.
  5. CONTRACTOR SHALL LOCATE AND VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
  6. ANY AND ALL DISTURBED AREAS SHALL BE FINE GRADED, SEEDED WITH PERMANENT GRASS SEEDING MIX AND STRAWED PRIOR TO DEMOBILIZATION FROM THE SITE.
  7. SLOPES STEEPER THAN 3H:1V SHOULD BE EVALUATED AND DESIGNED BY A GEOTECHNICAL ENGINEER.

- STORM DRAINAGE NOTES**
1. ALL STORM DRAINAGE PIPES SHALL BE CLASS III REINFORCED CONCRETE PIPE (RCP) UNLESS NOTED OTHERWISE.
  2. ALL CONCRETE SHALL MEET A MINIMUM 3000 PSI COMPRESSIVE STRENGTH.
  3. ALL PIPE JOINTS SHALL BE MADE WITH PREFORMED JOINT SEALER WHICH CONFORMS TO AASHTO SPECIFICATION M-198 FOR TYPE B FLEXIBLE PLASTIC GASKETS UNLESS OTHERWISE NOTED.
  4. ALL BACKFILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATIVE MATTER, WASTE, CONSTRUCTION MATERIAL OR OTHER OBJECTIONABLE MATERIAL. SUITABLE SOILS SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER TAMPING BLOWS OR PROOF ROLLING.
  5. MATERIALS DEEMED AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
  6. BACKFILLING OF TRENCHES SHALL BE PERFORMED IMMEDIATELY AFTER PIPE IS LAID. THE FILL AROUND AND ABOVE THE PIPE SHALL BE COMPACTED IN ACCORDANCE WITH THE PERMITTING AUTHORITY'S AND MANUFACTURER'S SPECIFICATIONS AND/OR THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
  7. UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO RISE IN UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.

NO.	DATE	REVISION DESCRIPTION



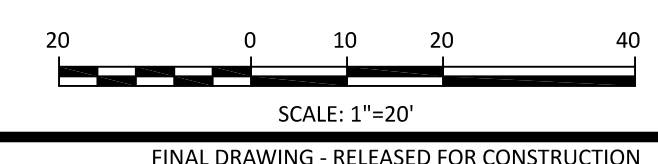
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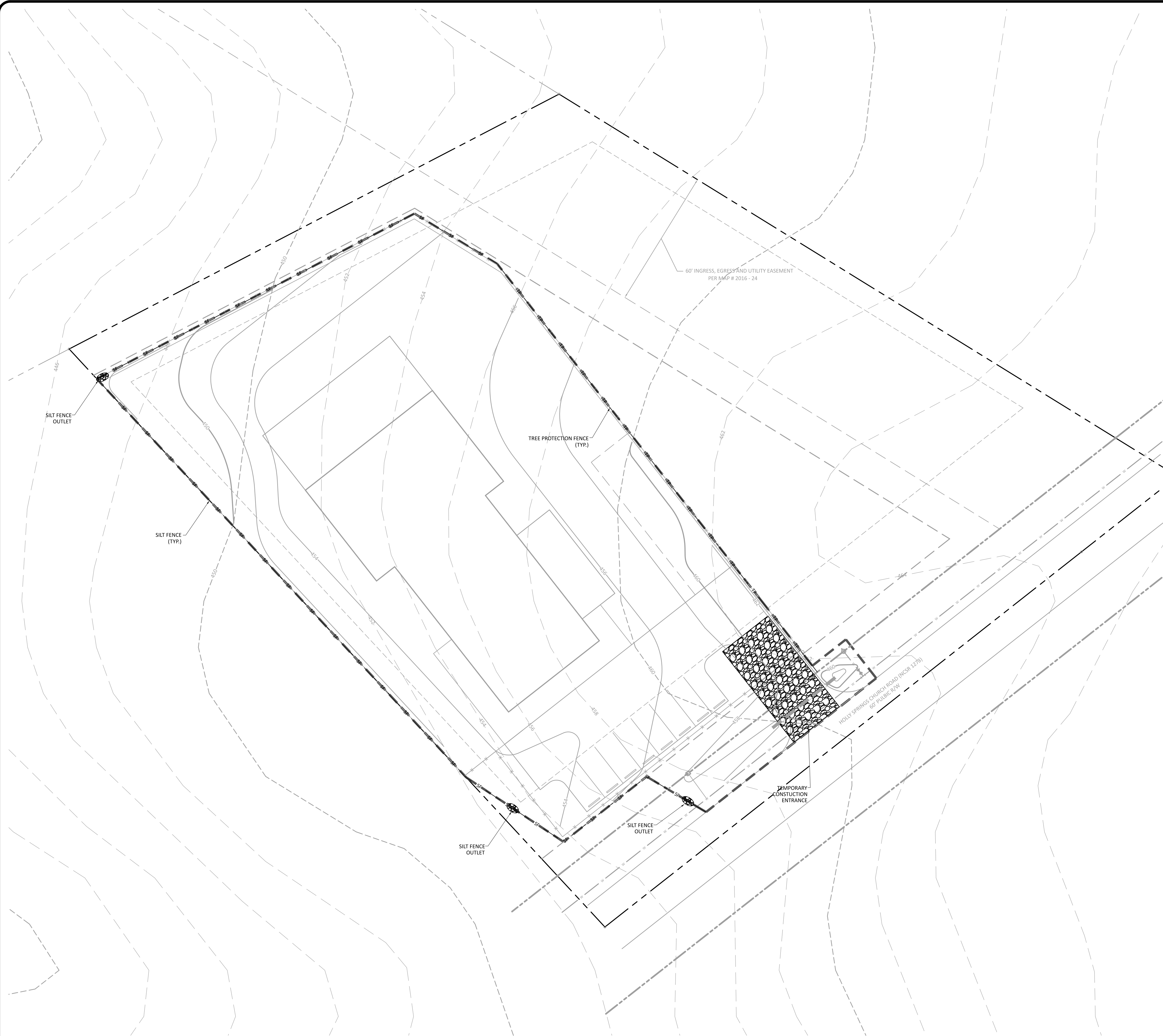
DATE:	2024-08-05	DESIGN BY:	JDA	DRAWN BY:	JDA
SCALE:	1"=20'				

NC WAKE BOATS ADDITION  
 HARNETT COUNTY, NC  
 GRADING AND DRAINAGE PLAN

SHEET NO:  
**C3.0**







- GENERAL EROSION AND SEDIMENT CONTROL NOTES:**
1. ALL GRADING, BACKFILLING, EXCAVATION, ETC. SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS SET FORTH BY THE LOCAL GOVERNING AUTHORITY. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR COORDINATING ALL CONSTRUCTION ACTIVITIES WITH SAID AUTHORITY.
  2. REFER TO THE DETAILS IN THESE PLANS FOR INSTALLATION AND MAINTENANCE REQUIREMENTS FOR THE EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN.
  3. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED AND APPROVED FOR REMOVAL.
  4. ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT-LADEN RUNOFF TO ANY STORM DRAINAGE SYSTEM.
  5. ANY AND ALL DISTURBED AREAS SHALL BE FINE GRADED, SEEDED WITH PERMANENT GRASS SEEDING MIX AND STRAWED PRIOR TO DEMOBILIZATION FROM THE SITE.

TOTAL DISTURBED AREA: 0.99 ACRES

SILT FENCE OUTLETS ARE SHOWN IN THEIR APPROXIMATE LOCATION. SILT FENCE OUTLETS SHOULD BE ADJUSTED AS NECESSARY TO THE LOW POINTS ALONG THE SILT FENCE ENCOUNTERED IN THE FIELD.

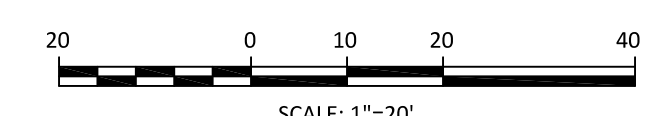
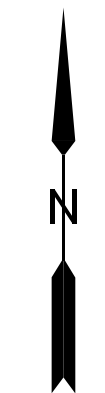
SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:

1. ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
2. ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT NCDENR EROSION CONTROL SPECIFICATIONS AND DETAILS

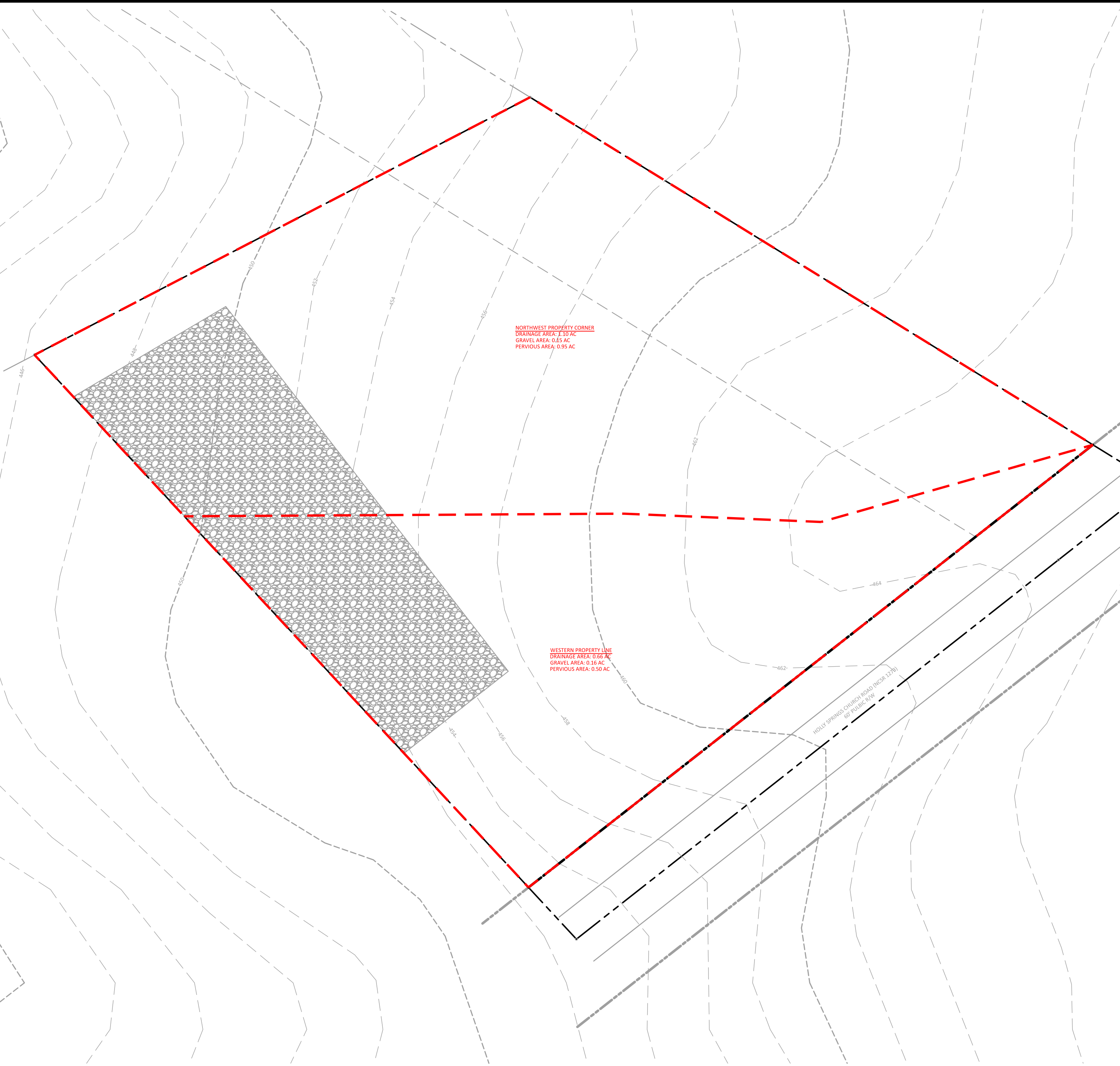
**EROSION CONTROL PLAN LEGEND**

- LIMITS OF DISTURBANCE:
- SILT FENCE:
- SILT FENCE OUTLET:
- TREE PROTECTION FENCE:
- CONSTRUCTION ENTRANCE:



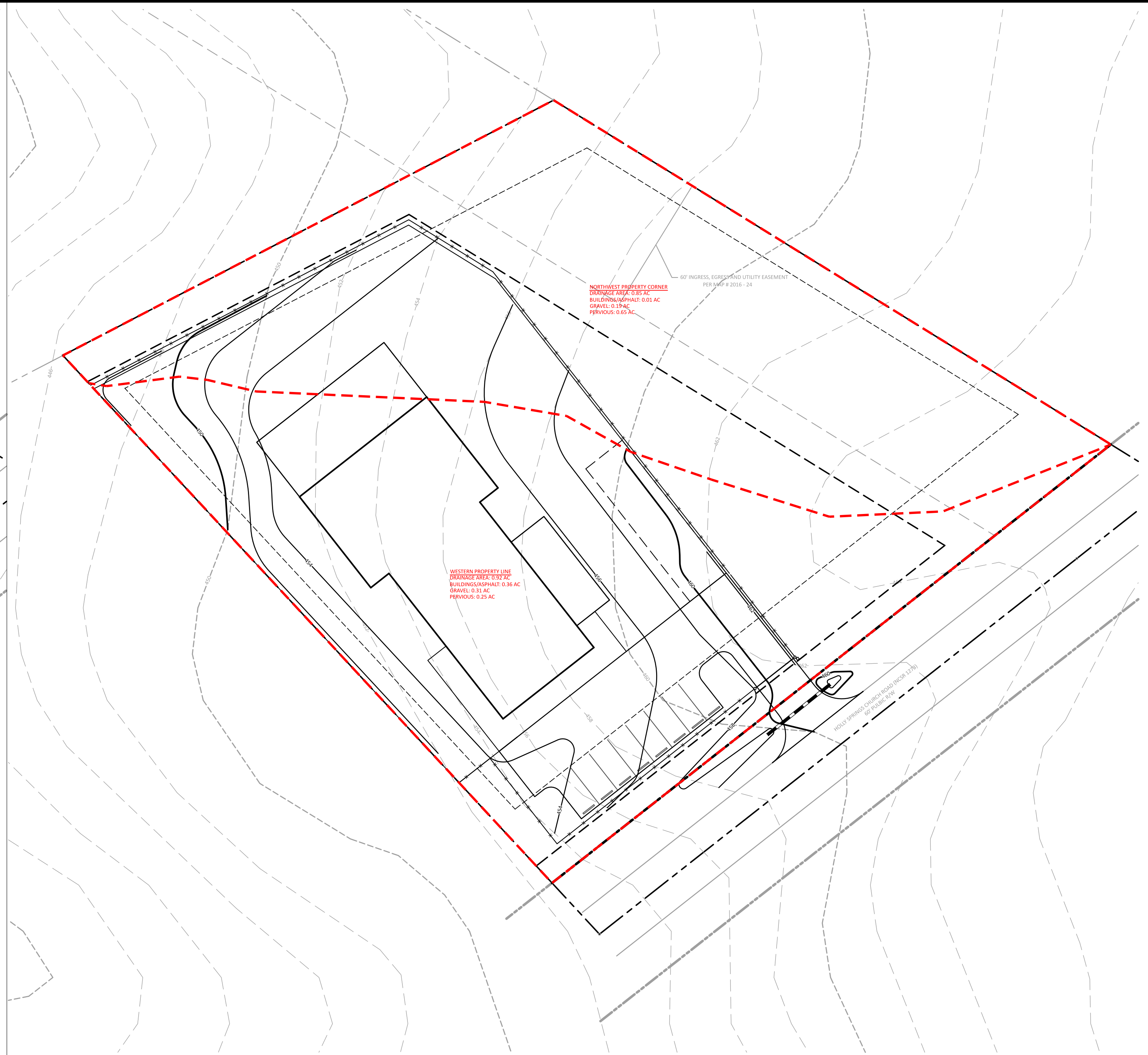
REVISION DESCRIPTION									
NO.									
DATE									
<p><b>ALD</b> ARNOLD LAND DESIGN 113 YOSEMITE COURT HOLLY SPRING, NC 27540 (919) 880-2524</p>									
DESIGN BY: JDA					DRAWN BY: JDA				
DATE: 2024-08-05					SCALE: 1"=20'				
<p>NC WAKE BOATS ADDITION</p> <p>HARNETT COUNTY, NC</p> <p>EROSION CONTROL PLAN</p>									
<p>SHEET NO: <b>C4.0</b></p>									





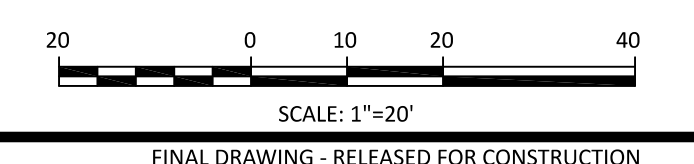
PRE-DEVELOPMENT

NORTHWEST PROPERTY CORNER  
 Q10-PRE: 5.55 CFS  
 Q10-POST: 4.43 CFS  
 Q25-PRE: 7.37 CFS  
 Q25-POST: 5.85 CFS  
 \*FLOWS HAVE BEEN REDUCED FROM PRE-DEVELOPMENT LEVELS



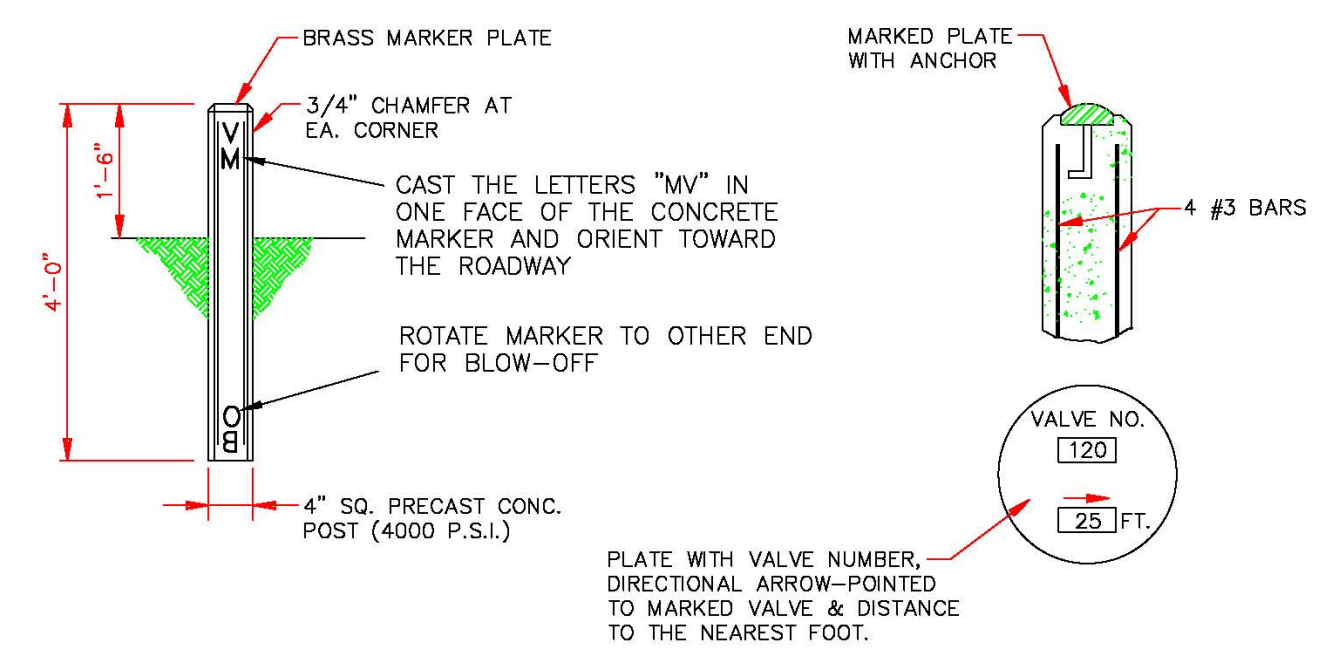
PRE-DEVELOPMENT

WESTERN PROPERTY LINE  
 Q10-PRE: 3.43 CFS  
 Q10-POST: 6.06 CFS  
 Q25-PRE: 4.53 CFS  
 Q25-POST: 7.60 CFS  
 \*Q10 HAS BEEN INCREASED BY 32% AND Q25 HAS BEEN INCREASED BY 25%. HOWEVER FLOW DISCHARGES ONTO SAME PROPERTY OWNER AND THEREFORE DOES NOT HAVE A NEGATIVE IMPACT ON AN ADJACENT PROPERTY OWNER. ONCE DISCHARGING FROM THE PROPERTY TO THE WEST, RUNOFF DISCHARGES INTO AN EXISTING CHANNEL. NO NEGATIVE IMPACT TO ADJACENT PROPERTIES IS ANTICIPATED. ADDITIONALLY ALL RUNOFF IS VIA SHEET FLOW AND HAS NOT BEEN CHANNELIZED TO HELP PREVENT ANY EROSION.



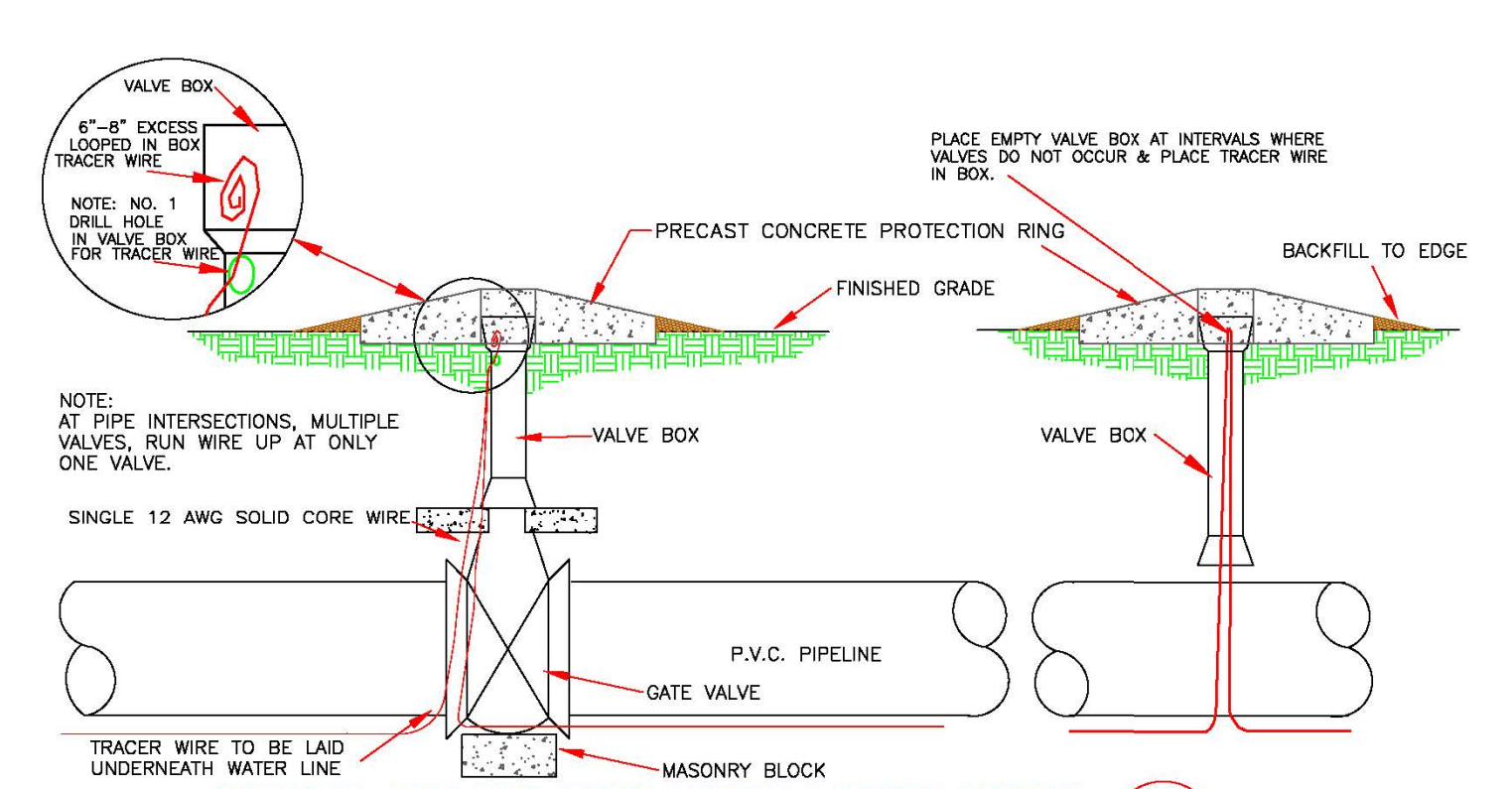
REVISION DESCRIPTION	
NO.	DATE
08/05/24	
<b>ALD</b> ARNOLD LAND DESIGN 113 YOSEMITE COURT HOLLIS, NC 27540 (919) 840-2524	
DESIGN BY:	JDA
DATE:	2024-08-05
SCALE:	1"=20'
DRAWN BY:	JDA
<b>NC WAKE BOATS ADDITION</b> HARNETT COUNTY, NC <b>STORMWATER MANAGEMENT ANALYSIS</b>	
SHEET NO:	
<b>C5.0</b>	





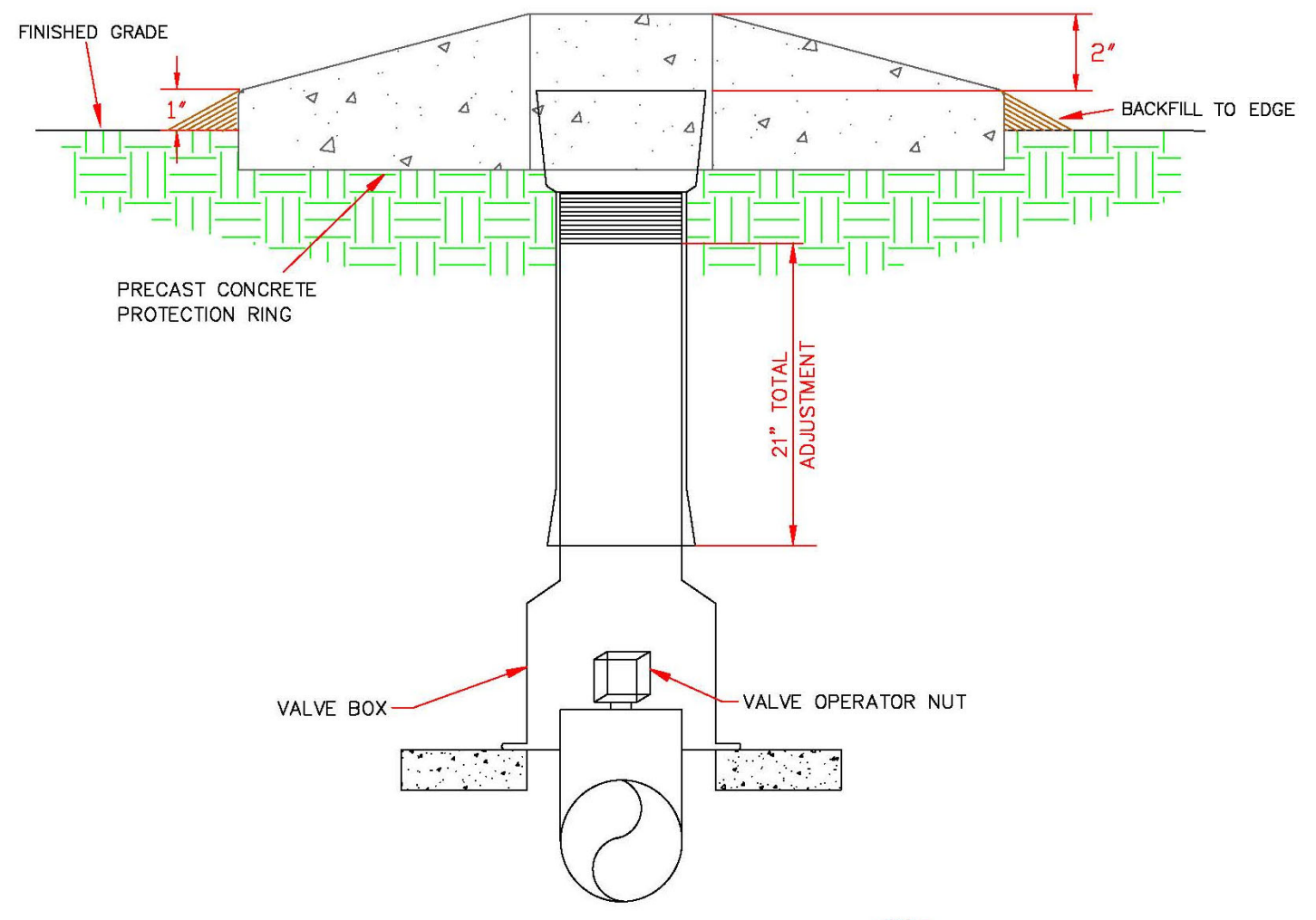
TYPICAL VALVE MARKER DETAIL (W 1)

NOTES:  
PAINT MARKER BLUE AFTER INSTALLATION

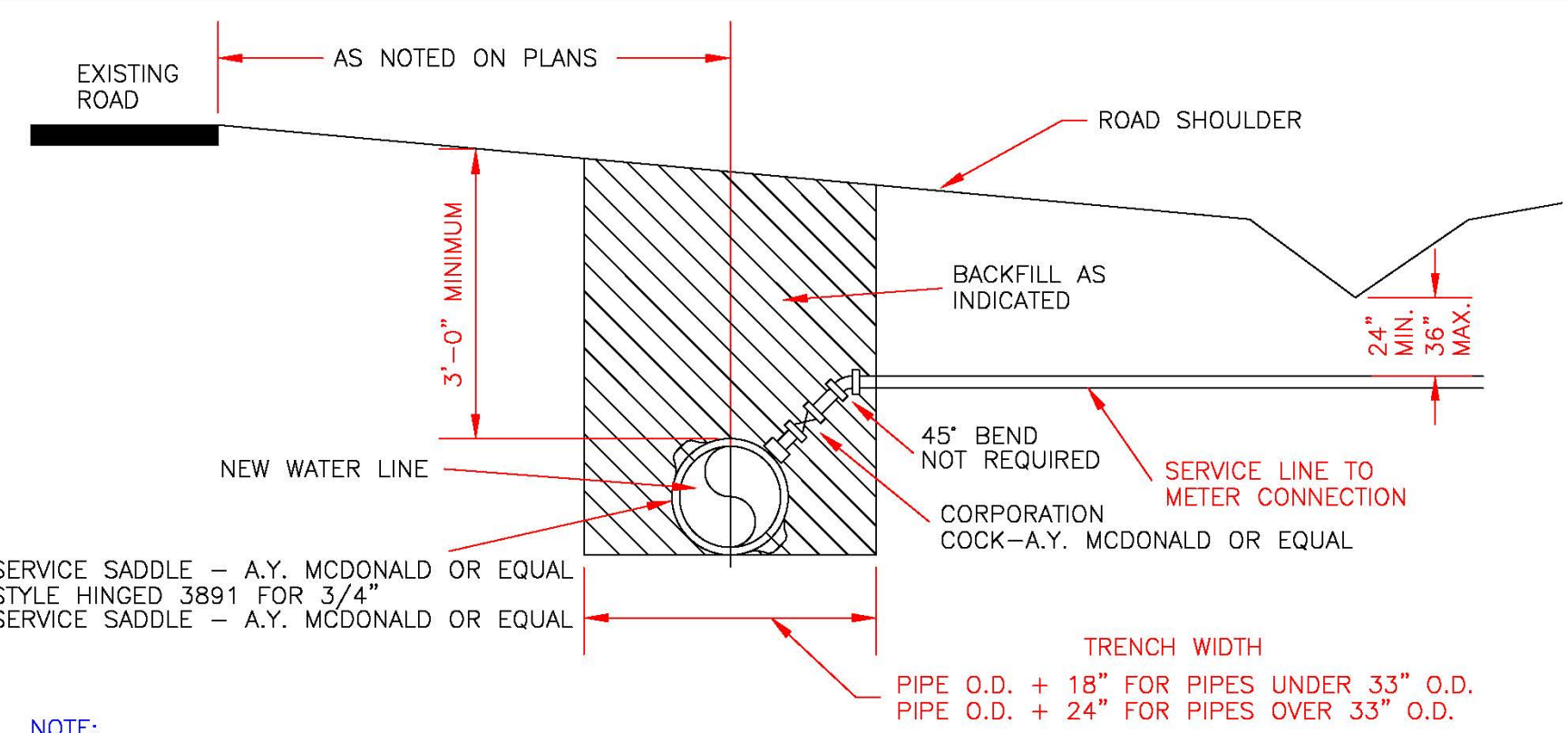


TYPICAL TRACER WIRE INSTALLATION DETAIL (W 3)

NOTES:  
1. DRILL HOLE IN VALVE BOX TO INSERT TRACER WIRE, BRING UP TO INSIDE AND ROLL UP AT LEAST 6"-8" EXCESS  
2. PLACE TRACER WIRE IN VALVE BOX AT 1,000' INTERVALS OR AS NOTED ON THE PLANS, TYPICAL.  
3. DO NOT SPLICE WIRE WHEN BEGINNING A NEW SPOOL. INSTEAD INSTALL A VALVE BOX AND ATTACH EACH WIRE WITH A BRASS SCREW TO THE VALVE BOX.

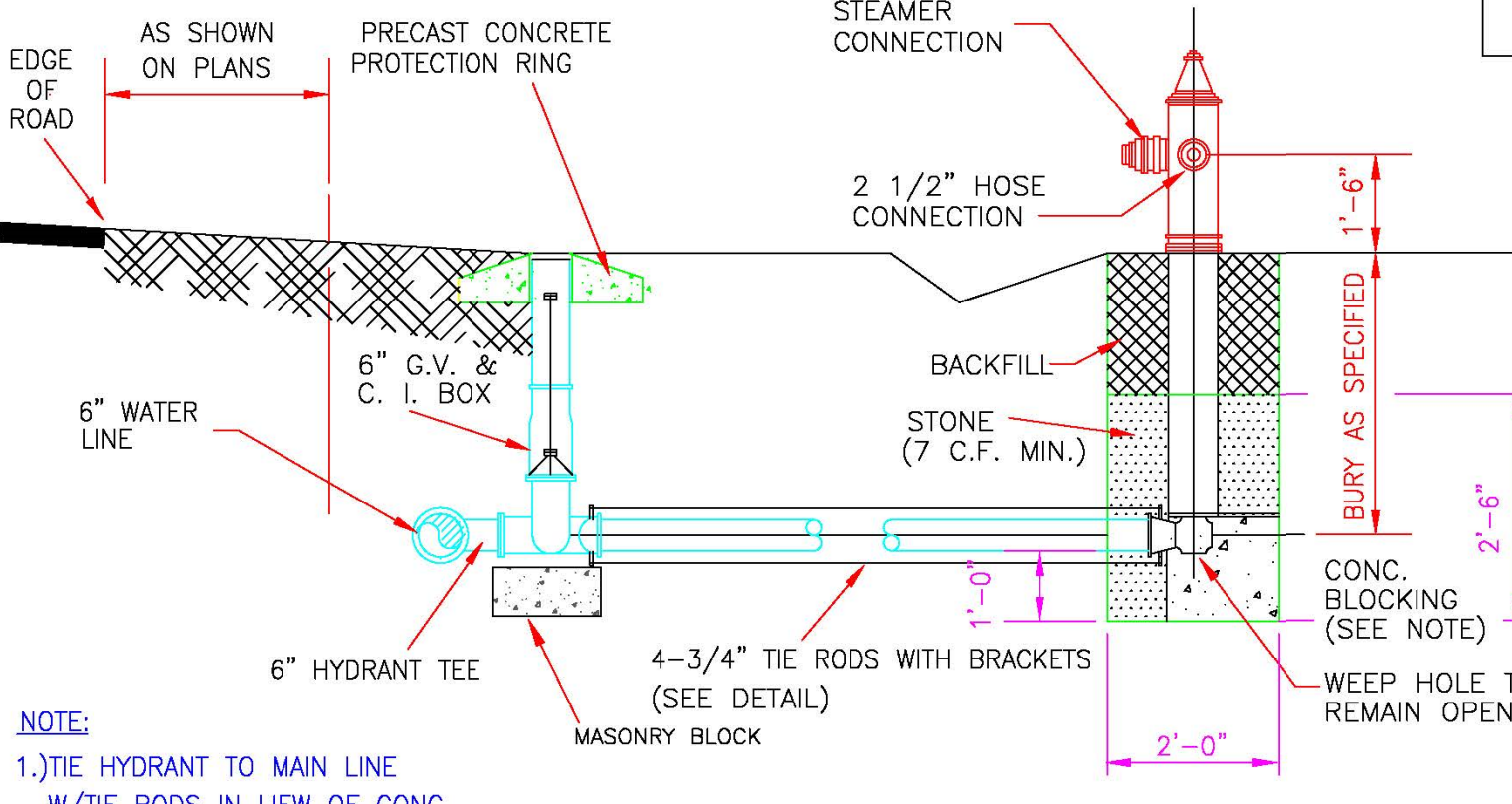


TYPICAL VALVE BOX DETAIL (W 2)



TYPICAL WATER SERVICE CONNECTION USING TAPPING SADDLE DETAIL (W 13)

NOTES:  
1. "SERVICE CONNECTION" IN PROPOSAL TO INCLUDE SERVICE SADDLE, 45° BEND, CORPORATION COCK AND ALL LABOR INVOLVED IN MAKING A COMPLETE SERVICE CONNECTION.  
2. SERVICE PIPING TO BE 3/4" SDR-9 PE TUBING  
3. ALL BRASS FITTINGS SHALL BE COMPRESSION TYPE

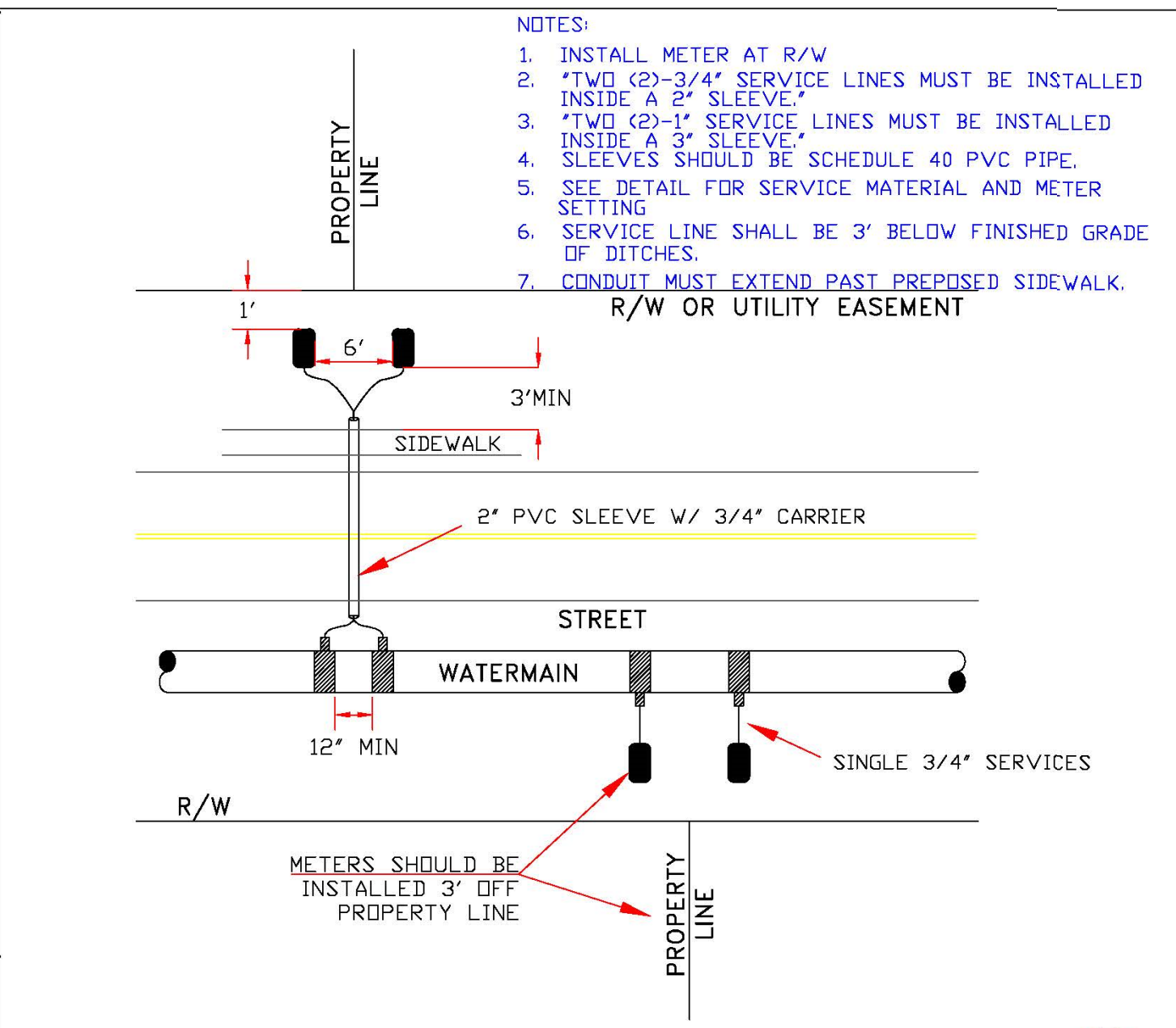


TYPICAL FIRE HYDRANT INSTALLATION DETAIL (W 6)

NOTE:  
1.) TIE HYDRANT TO MAIN LINE W/TIE RODS IN LIEU OF CONC. BLOCKING IN SANDY SOIL.  
2.) MECHANICAL JOINTS USED WITH GRIP RINGS

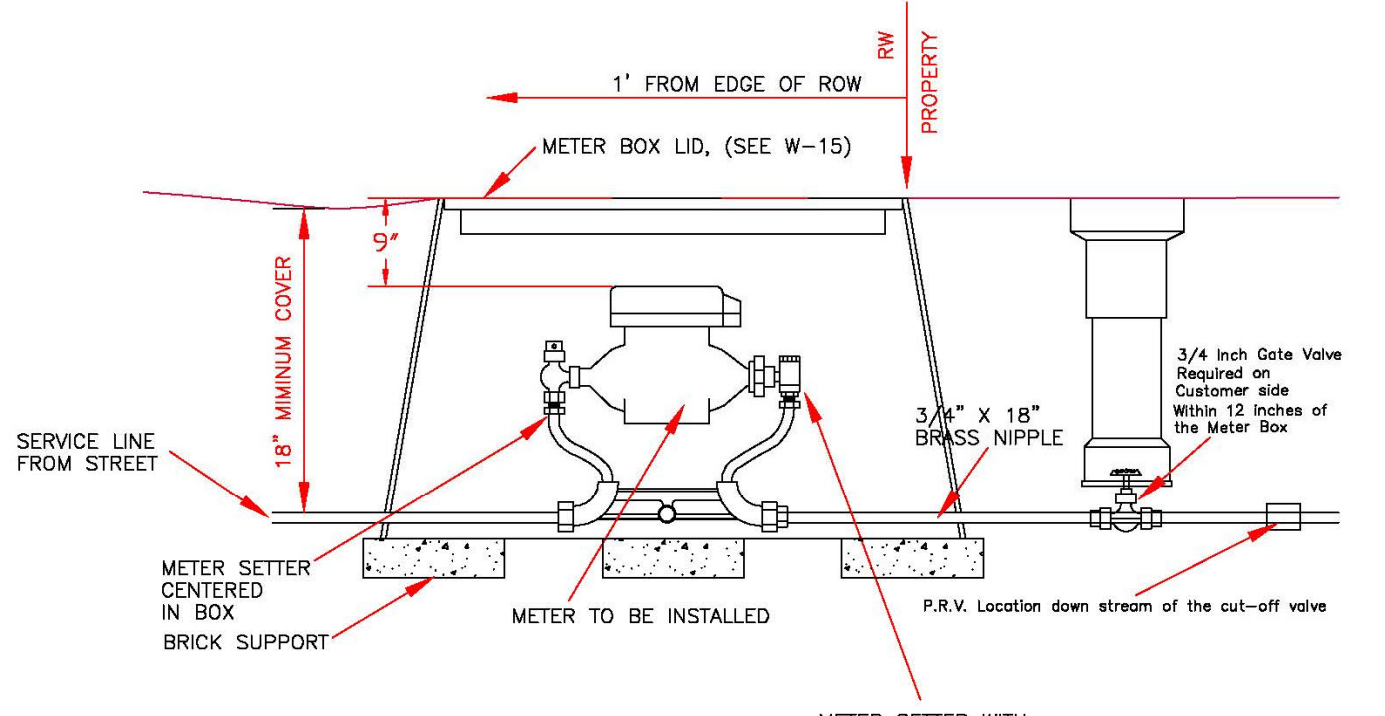
LAYING CONDITIONS	DESCRIPTION	PROJECT USE
<del>TYPE 1</del>	<del>PIPE BOTTOM UNDISTURBED. EARTH THROUGH LISTS. BACKFILL</del>	<del>NOT USED.</del>
<del>TYPE 2</del>	<del>FLAT BOTTOMED UNDISTURBED EARTH. TRENCH BACKFILL LIGHTLY CONSOLIDATED TO CENTERLINE OF PIPE.</del>	<del>NOT USED.</del>
TYPE 3	PIPE BEDDED IN 4" MINIMUM JOB EXCAVATED MATERIAL. BACKFILL LIGHTLY CONSOLIDATED TO TOP OF PIPE.	ALL DUCTILE IRON GRAVITY SEWER LINE.
TYPE 4	PIPE BEDDED IN SAND, GRANULAR MATERIAL OR GRADED GRAVEL TO THE DEPTH OF 1/8 PIPE DIAMETER. 4" MIN. JOB EXCAVATED MATERIAL COMPACTED TO 4" ABOVE TOP OF PIPE. (APPROX. 95% STANDARD PROCTOR, AASHTO T-99)	ALL PVC WATER LINE AND PVC FORCE MAIN.
<del>TYPE 5</del>	<del>PIPE BEDDED TO ITS CENTERLINE IN COMPACTED GRANULAR MATERIAL UNDER PIPE. COMPACTED GRANULAR SAND MATERIAL TO 4" ABOVE TOP. (APPROX. 95% STANDARD PROCTOR, AASHTO T-99)</del>	<del>ALL DUCTILE IRON GRAVITY SEWER LINE.</del>

TYPICAL LAYING CONDITIONS DETAIL (W 11)



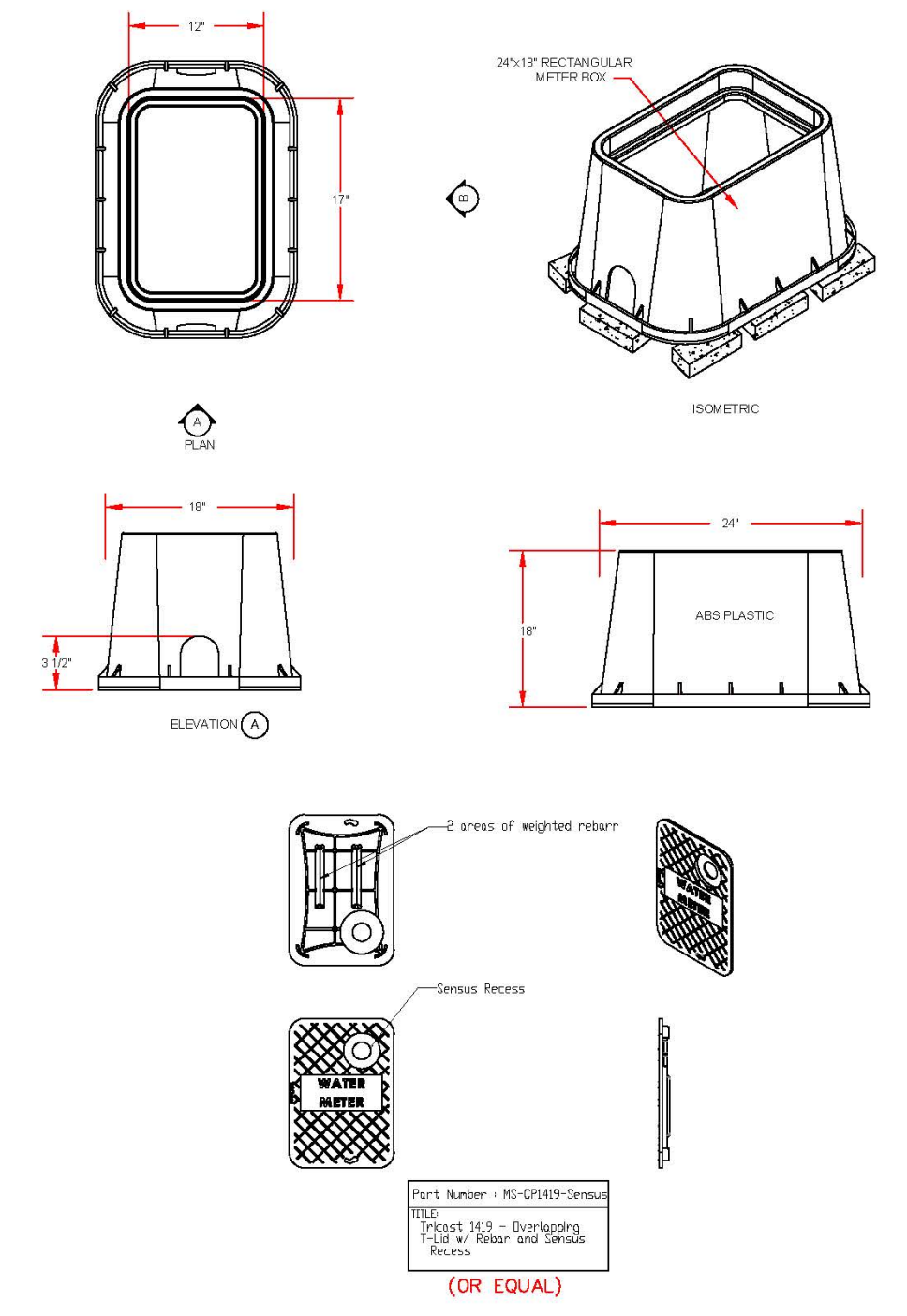
TYPICAL DOMESTIC WATER SERVICE INSTALLATION DETAIL (W 12)

NOTES:  
1. INSTALL METER AT R/W  
2. TWO (2) 3/4" SERVICE LINES MUST BE INSTALLED INSIDE A 2" SLEEVE.  
3. TWO (2) 3/4" SERVICE LINES MUST BE INSTALLED INSIDE A 3" SLEEVE.  
4. SLEEVES SHOULD BE SCHEDULE 40 PVC PIPE.  
5. SEE DETAIL FOR SERVICE MATERIAL AND METER SETTING  
6. SERVICE LINE SHALL BE 3' BELOW FINISHED GRADE OF DITCHES.  
7. CONDUIT MUST EXTEND PAST PREPOSED SIDEWALK, R/W OR UTILITY EASEMENT

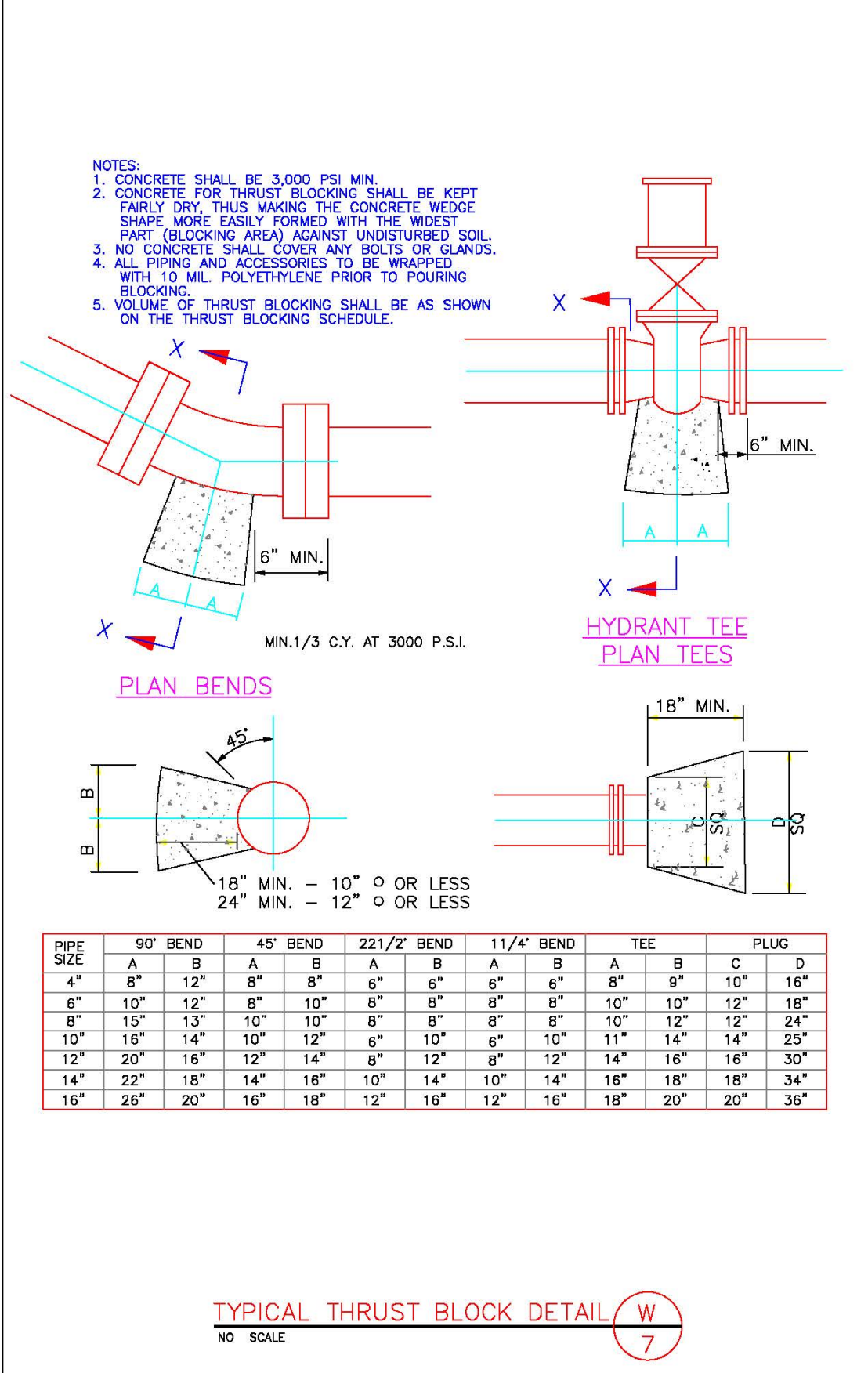


TYPICAL 3/4" METER SETTER INSTALLATION DETAIL (W 14)

1. METER AND PRIVATE SERVICE LINE NOT IN CONTRACT UNLESS SPECIFIED  
2. METER SETTER SIZE AS NOTED ON PLANS.  
3. ALL BRASS FITTINGS SHALL BE COMPRESSION TYPE.



TYPICAL METER BOX DETAIL FOR 3/4" SERVICE (W 15)



TYPICAL THRUST BLOCK DETAIL (W 7)

NOTES:  
1. CONCRETE SHALL BE 3,000 PSI MIN.  
2. CONCRETE FOR THRUST BLOCKING SHALL BE KEPT FAIRLY DRY. THIS MAKING THE CONCRETE WEDGE SHARP MORE CAREFULLY FORMED WITH THE WEDGE PART (BLOCKING AREA) AGAINST UNDISTURBED SOIL.  
3. NO CONCRETE SHALL COVER ANY BARS OR ISLANDS.  
4. ALL PIPING AND ACCESSORIES TO BE WRAPPED WITH 10 MIL POLYETHYLENE PRIOR TO POURING BLOCKING.  
5. VOLUME OF THRUST BLOCKING SHALL BE AS SHOWN ON THE THRUST BLOCKING SCHEDULE.

PIPE SIZE	90° BEND	45° BEND	22 1/2° BEND	1 1/4° BEND	TEE	PLUG
4"	8"	12"	8"	8"	8"	8"
6"	10"	12"	8"	10"	8"	10"
8"	12"	14"	10"	10"	8"	12"
10"	14"	16"	12"	12"	10"	14"
12"	16"	18"	14"	14"	12"	16"
14"	18"	20"	16"	16"	14"	18"
16"	20"	22"	18"	18"	16"	20"

REVISION DESCRIPTION

DATE

NO.

SEAL

08/05/24

ALD ARNOLD LAND DESIGN 113 YOSEMITE COURT HOLLIS, NC 27540 (919) 890-2524

DESIGN BY: JDA  
DATE: 2024-08-05  
SCALE: NTS

DRAWN BY: JDA

NC WAKE BOATS ADDITION  
HARNETT COUNTY, NC  
UTILITY DETAILS

SHEET NO: D1







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 Practices 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

Table with 3 columns: Site Area Description, Required Ground Stabilization Timeframes (Stabilize within this many calendar days after ceasing land disturbance), Timeframe variations. Rows include (a) Perimeter dikes, swales, ditches, and perimeter slopes; (b) High Quality Water (HQW) Zones; (c) Slopes steeper than 3:1; (d) Slopes 3:1 to 4:1; (e) Areas with slopes flatter than 4:1.

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:

Table comparing Temporary Stabilization (e.g., temporary grass seed, hydroseeding) and Permanent Stabilization (e.g., permanent grass seed, geotextile fabric) techniques.

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- Select flocculants that are appropriate for the soils being exposed during construction... Apply flocculants at the concentrations specified in the NC DWR List of Approved PAMS/Flocculants...

EQUIPMENT AND VEHICLE MAINTENANCE

- Maintain vehicles and equipment to prevent discharge of fluids. Identify leaks and repair as soon as feasible... Collect all spent fluids, store in separate containers and properly dispose as hazardous waste...

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...

PAINT AND OTHER LIQUID WASTE

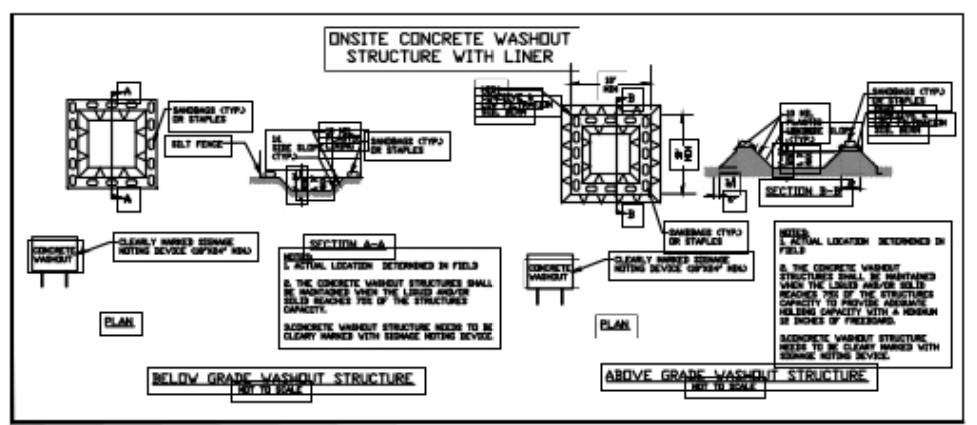
- Do not dump paint and other liquid waste into storm drains, streams or wetlands. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available...

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... Provide adequate hand-washing facilities...

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...



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...

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...

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...

SEEDING SPECIFICATIONS

COMPLETE GRADING BEFORE PREPARING SEEDBEDS, AND INSTALL ALL NECESSARY EROSION CONTROL PRACTICES SUCH AS, DIKES, WATERWAYS, AND BASINS. MINIMIZE STEEP SLOPES BECAUSE THEY MAKE SEEDBED PREPARATION DIFFICULT AND INCREASE THE EROSION HAZARD...

SEEDBED PREPARATION

- GOOD SEEDBED PREPARATION IS ESSENTIAL TO SUCCESSFUL PLANT ESTABLISHMENT. A GOOD SEEDBED IS WELL-PULVERIZED, LOOSE, AND UNIFORM. WHERE HYDROSEEDING METHODS ARE USED, THE SURFACE MAY BE LEFT WITH A MORE IRREGULAR SURFACE OF LARGE CLODS AND STONES. LIMING—APPLY LIME ACCORDING TO SOIL TEST RECOMMENDATIONS...

PLANT SELECTION

SELECT AN APPROPRIATE SPECIES OR SPECIES MIXTURE FROM TABLE 6.10A FOR SEEDING IN LATE WINTER AND EARLY SPRING, TABLE 6.10B FOR SUMMER, AND TABLE 6.10C FOR FALL. IN THE MOUNTAINS, DECEMBER AND JANUARY SEEDINGS HAVE POOR CHANCES OF SUCCESS...

SEEDING

EVENLY APPLY SEED USING A CYCLONE SEEDER (BROADCAST), DRILL, CUTLIPACKER SEEDER, OR HYDROSEEDER. USE SEEDING RATES GIVEN IN TABLES 6.10A-6.10C. BROADCAST SEEDING AND HYDROSEEDING ARE APPROPRIATE FOR STEEP SLOPES WHERE EQUIPMENT CANNOT BE DRIVEN. HAND BROADCASTING IS NOT RECOMMENDED BECAUSE OF THE DIFFICULTY IN ACHIEVING A UNIFORM DISTRIBUTION...

MULCHING

THE USE OF AN APPROPRIATE MULCH WILL HELP ENSURE ESTABLISHMENT UNDER NORMAL CONDITIONS, AND IS ESSENTIAL TO SEEDING SUCCESS UNDER HARSH SITE CONDITIONS (PRACTICE 6.14, MULCHING). HARSH SITE CONDITIONS INCLUDE: SEEDING IN FALL FOR WINTER COVER (WOOD FIBER MULCHES ARE NOT CONSIDERED ADEQUATE FOR THIS USE)...

FROM: DEMLR EC MANUAL SECTION 6.10 REVISED 5/13

SEEDING MAINTENANCE

RESEED AND MULCH AREAS WHERE SEEDLING EMERGENCE IS POOR, OR WHERE EROSION OCCURS, AS SOON AS POSSIBLE. DO NOT MOW, PROTECT FROM TRAFFIC AS MUCH AS POSSIBLE.

FROM: DEMLR EC MANUAL SECTION 6.10 REVISED 5/13

TEMP. SEEDING FOR LATE WINTER/EARLY SPRING

- SEEDING MIXTURE: RYE (GRAIN) @ 120 LB/ACRE, ANNUAL LESPEDEZA (KOBE IN PIEDMONT AND COASTAL PLAIN, KOREAN IN MOUNTAINS) @ 50 LB/ACRE... SOIL AMENDMENTS: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER...

TEMP. SEEDING FOR SUMMER

- SEEDING MIXTURE: GERMAN MILLET @ 40 LB/ACRE, IN THE PIEDMONT AND MOUNTAINS, A SMALL-STEMMED SUDANGRASS MAY BE SUBSTITUTED AT A RATE OF 50 LB/ACRE... SOIL AMENDMENTS: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER...

TEMP. SEEDING FOR FALL

- SEEDING MIXTURE: RYE (GRAIN) @ 120 LB/ACRE... SOIL AMENDMENTS: FOLLOW SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE 10-10-10 FERTILIZER...

- MULCH: APPLY 4,000 LB/ACRE STRAW, ANCHOR STRAW BY TACKLING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. MAINTENANCE: REPAIR AND REFERFERTILIZE DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH...

FROM: DEMLR EC MANUAL SECTION 6.10 REVISED 5/13

SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:

- ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY...

Table titled GROUND STABILIZATION with columns: SITE AREA DESCRIPTION, STABILIZATION TIME FRAME, STABILIZATION TIME EXCEPTIONS. Rows include Perimeter Dikes, High Quality Water (HQW) Zones, Slopes Steeper Than 3:1, Slopes 3:1 or Flatter, and All Other Area with Slope Flatter Than 4:1.

\*\* EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE." (SECTION II. B (2)(b))

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.

Table with 3 columns: Inspect (Rain gauge, E&SC Measures, Stormwater discharge outfalls (SDC), Perimeter of site, Streams or wetlands on-site or off-site, Ground stabilization measures), Frequency (during normal business hours), Inspection records must include (Rainfall amounts, E&SC measures, Stormwater discharge outfalls, Perimeter of site, Streams or wetlands, Ground stabilization measures).

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

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 kept on site and available for inspection at all times during normal business hours:

Table with 3 columns: Item to Document, Documentation Requirements. Items include E&SC plan documentation, grading completion, ground cover location, maintenance and repair requirements, and corrective actions.

2. Additional Documentation to be Kept on Site: In addition to the E&SC plan documents above, the following items shall be kept on the site and available for inspectors at all times during normal business hours...

3. Documentation to be Retained for Three Years: All data used to complete the e-NOI and all 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: Permitees shall report the following occurrences: (a) Visible sediment deposition in a stream or wetland. (b) Oil spills if: They are 25 gallons or more...

- (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... (c) Releases of hazardous substances in excess of reported quantities under Section 311 of the Clean Water Act... (e) 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 Department's Environmental Emergency Center personnel at (800) 858-0368.

Table with 2 columns: Occurrence, Reporting Timeframes (After Discovery) and Other Requirements. Occurrences include (a) Visible sediment, (b) Oil spills, (c) Noncompliance, and (d) Unanticipated by-passes.



NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/19

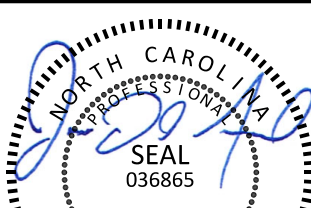
NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19

REVISION DESCRIPTION

DATE

NO.



08/05/24

ALD ARNOLD LAND DESIGN 113 YOSEMITE COURT HOLDEN, NC 27538 (919) 693-2532

DESIGN BY: JDA DATE: 2024-08-05 SCALE: NTS DRAWN BY: JDA

NC WAKE BOATS ADDITION EROSION CONTROL DETAILS HARNETT COUNTY, NC