

SITE LOCATION MAP

Permit Drawings For

# Harnett County Northwest Convenience Center & Park

# Site Plan Application

Civil



Project No. 10329306

Harnett County, North Carolina January 2022 Revised October 2025

## INDEX OF DRAWINGS

### **GENERAL**

00G-00 COVER SHEET

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00G-02 EXISTING CONDITIONS

## <u>CIVIL</u>

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00C-03 SITE DETAILS

C-05 STRUCTURAL DETAIL

00C-06 STORMWATER & EROSION CONTROL DETAILS (1 OF 2) 00C-07 STORMWATER & EROSION CONTROL DETAILS (2 OF 2)

#### OWNER'S CONSENT FROM:

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

DATE OWNER SIGNATURE

NO.	TES:	
1.	EXISTING TOPOGRAPHY AND PROPERTY LINES FOR ADJACENT	
	PARCELS OBTAINED FROM HARNETT COUNTY GIS.	
2.	PROPERTY BOUNDARY SURVEY COMPLETED BY BENTON W.	
	DEWARE AND ASSOCIATES, APRIL 30, 2019.	
3.	THE PROPOSED SITE PLAN DEPICTS PHASE 1 OF THE MULTIPHASE PROJECT. FUTURE PHASES INCLUDE LITTLE LEAGUE BASEBALL	
	FIELDS, A MULTI-USE FIELD, PLAYGROUND, STORAGE/RESTROOM	
	BUILDING, OVER ONE MILE OF HIKING TRAILS, AND FIVE WORKOUT STATIONS.	D
4.	THE SITE CONTAINS A PROPOSED 50-FOOT VEGETATIVE SETBACK/BUFFER AND A 35-FOOT TYPE D FRONT BUFFER YARD.	
	BUFFER SHALL INCLUDE A STAGGERED ROW OF LARGE	
	MATURING TREES, SPACED NOT MORE THAN 30 FEET APART; AND LOW-GROWING EVERGREEN SHRUBS, EVERGREEN GROUND	\ \
	COVER, OR MULCH COVERING THE BALANCE OF THE BUFFER	F
	AREA. 10 EVERGREEN SHRUBS SHALL BE PROVIDED FOR EVERY REQUIRED LARGE MATURING TREE, PLACED NOT MORE THAN	•
	FOUR (4) FEET APART WHICH WILL GROW TO FORM A	C
	CONTINUOUS HEDGE OF AT LEAST SIX (6) FEET IN HEIGHT WITHIN TWO (2) YEARS OF PLANTING.	CE
5.	PROPERTY IS NOT LOCATED IN A FEMA MAPPED FLOOD HAZARD	
5.	PROPERTY IS NOT LOCATED IN A FEMA MAPPED FLOOD HAZARD	

5. PROPERTY IS NOT LOCATED IN A FEMA MAPPED FLOOD HAZARD

2

- 6. LIGHTING LOCATIONS SHOWN ON THE PLANS ARE PRELIMINARY AND FINAL LOCATIONS SHALL BE BASED ON THE FINAL SITE LAYOUT. POLE HEIGHT PROPOSED FOR SINGLE AND DOUBLE POLE LIGHTS SHALL BE AT A MAXIMUM HEIGHT OF 35 FEET. HARNETT COUNTY LIGHTING STANDARDS WILL BE MET IN FULL IN FINAL DESIGN. THE MINIMUM SIZE STREETLIGHT SHALL BE 7,000 LUMEN CLASS OR ITS EQUIVALENT. LIGHTING SHALL BE LOCATED IN SUCH A MANNER AS TO PREVENT DIRECT GLARE AND LIGHTING ONTO ADJACENT PROPERTY OR INTO THE PUBLIC RIGHT(S)-OF-WAY. ALL FLOOD LIGHTS SHALL BE INSTALLED SUCH THAT THE FIXTURE SHALL BE AIMED DOWN AT LEAST 45 DEGREES FROM VERTICAL.
- 7. CONDITIONAL USE PERMIT #BA-CU-18-18 APPROVED 6/11/18.
- 8. LAND USE CLASSIFICATION IS AGRICULTURAL AND RURAL RESIDENTIAL.
- HARNETT COUNTY SOLID WASTE DEPARTMENT WILL BE RESPONSIBLE FOR MAINTAINING THE SITE. THE SOLID WASTE DEPARTMENT WILL NOT ACCEPT HAZARDOUS MATERIALS AT THE CONVENIENCE CENTER.
- 10. THIS DEVELOPMENT IS WITHIN 1-MILE OF A VOLUNTARY AGRICULTURAL DISTRICT.
- 11. PRIOR TO EXCAVATION OR DIGGING HAVE UTILITIES SEARCHED FOR IN AREA. CALL 811, 1-800-632-4949, OR NC811.ORG TO HAVE UTILITIES LOCATED.
- 12. THE UTILITY CONTRACTOR MUST PROVIDE HRW WITH A ONE (1) YEAR WARRANTY ON THE WATER AND SANITARY SEWER UTILITIES TO COVER ANY AND ALL REPAIRS DUE TO POOR WORKMANSHIP, DEFECTIVE MATERIALS OR ANYTHING THAT DOES NOT MEET HRW STANDARDS AND SPECIFICATIONS AT THE TIME THE WORK WAS PERFORMED TO INSTALL THE WATER UTILITIES.
- 13. THIS PROPERTY IS WITHIN THE WS-IV DISTRICT. PROJECTS WITHOUT CURB AND GUTTER SYSTEM SHALL NOT EXCEED THIRTY-SIX PERCENT (36%) BUILT-UPON AREA.
- 14. ALL MECHANICAL AREAS LOCATED ON, BESIDE, OR ADJACENT TO ANY BUILDING OR DEVELOPMENTS SHALL BE SCREENED FROM THE VIEWS OF STREETS AND ADJACENT PROPERTY.

CONVENIENCE CENTER AND PARK PARCEL INFORMATION				
İ	PIN	0634-54-0565		
	ACREAGE	28.263		
LOCATION		BUCKHORN TOWNSHIP HARNETT COUNTY, NC		
	DEED BOOK & PAGE	3617:699		
	ZONING DISTRICT	RA-30		
WATERSHED DISTRICT		WS IV-P		
	FLOOD PLAIN MAPPING	37085C PANELS 0624		
	CONVENIENCE CENTER HOURS	MONDAY THROUGH SATURDAY 7:30 AM TO 5:30 PM		
	PROPOSED IMPERVIOUS AREA	2.60 ACRES (9.2%)		
	PROPOSED PARKING SPACES	66 [2 FOR CC STAFF, 25 PER FIELD (2 HC VAN), 14 FOR RECREATIONAL TRAILS]		
	PARKING LOT LANDSCAPING	7 TREES		
	PROPOSED USES	RECYCLING COLLECTION CENTERS & SOLID WASTE CONTAINER SITES (MANNED) & RECREATIONAL FACILITY		





			PROJECT MANAGER	J. MURRAY, P.E.
			DRAWN BY	J. RAYMOND
В	03/2022	REVISED PER PLANNING DEPARTMENT COMMENTS		
В	01/2022	REVISED PER PLANNING DEPARTMENT COMMENTS		
Α	06/2019	SUBMITTED TO HARNETT PLANNING DEPARTMENT		
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	10329306
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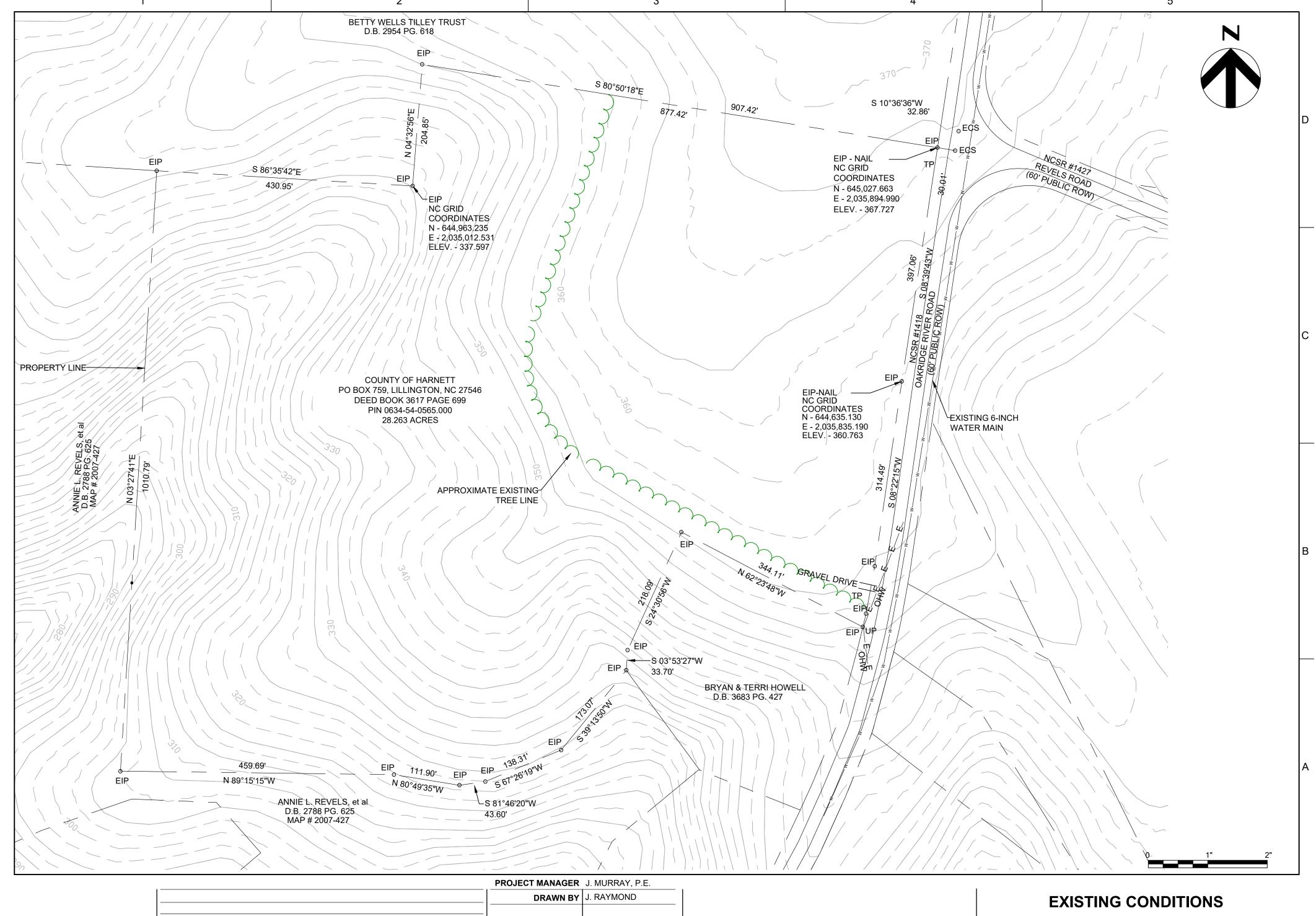
HARNETT COUNTY NORTHWEST **CONVENIENCE CENTER AND PARK SITE PLAN APPLICATION** 

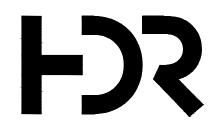
## **GENERAL NOTES AND ABBREVATIONS**

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00G-01

SHEET



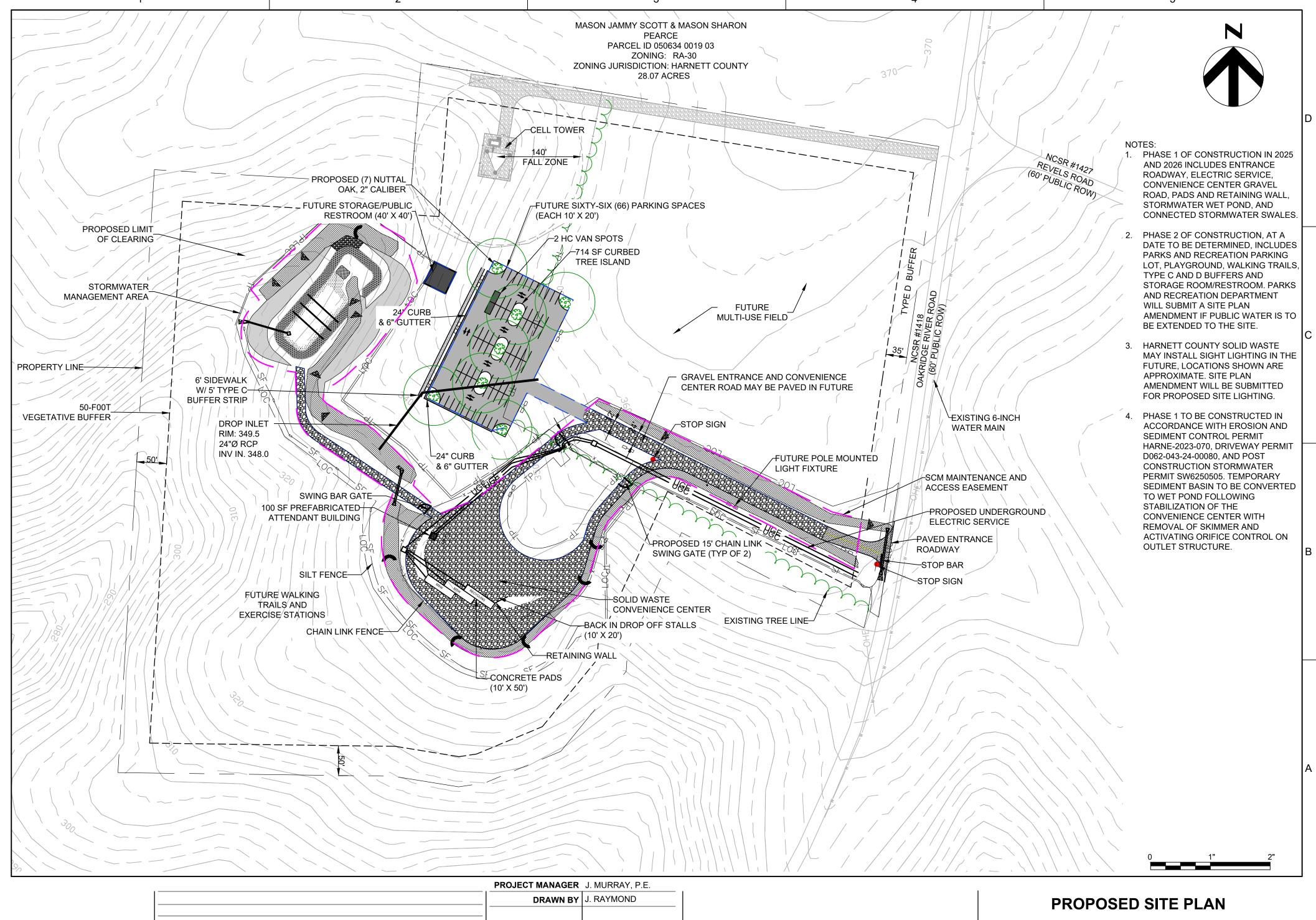


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 FILENAME
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 SCALE
 1" = 100'

00G-02



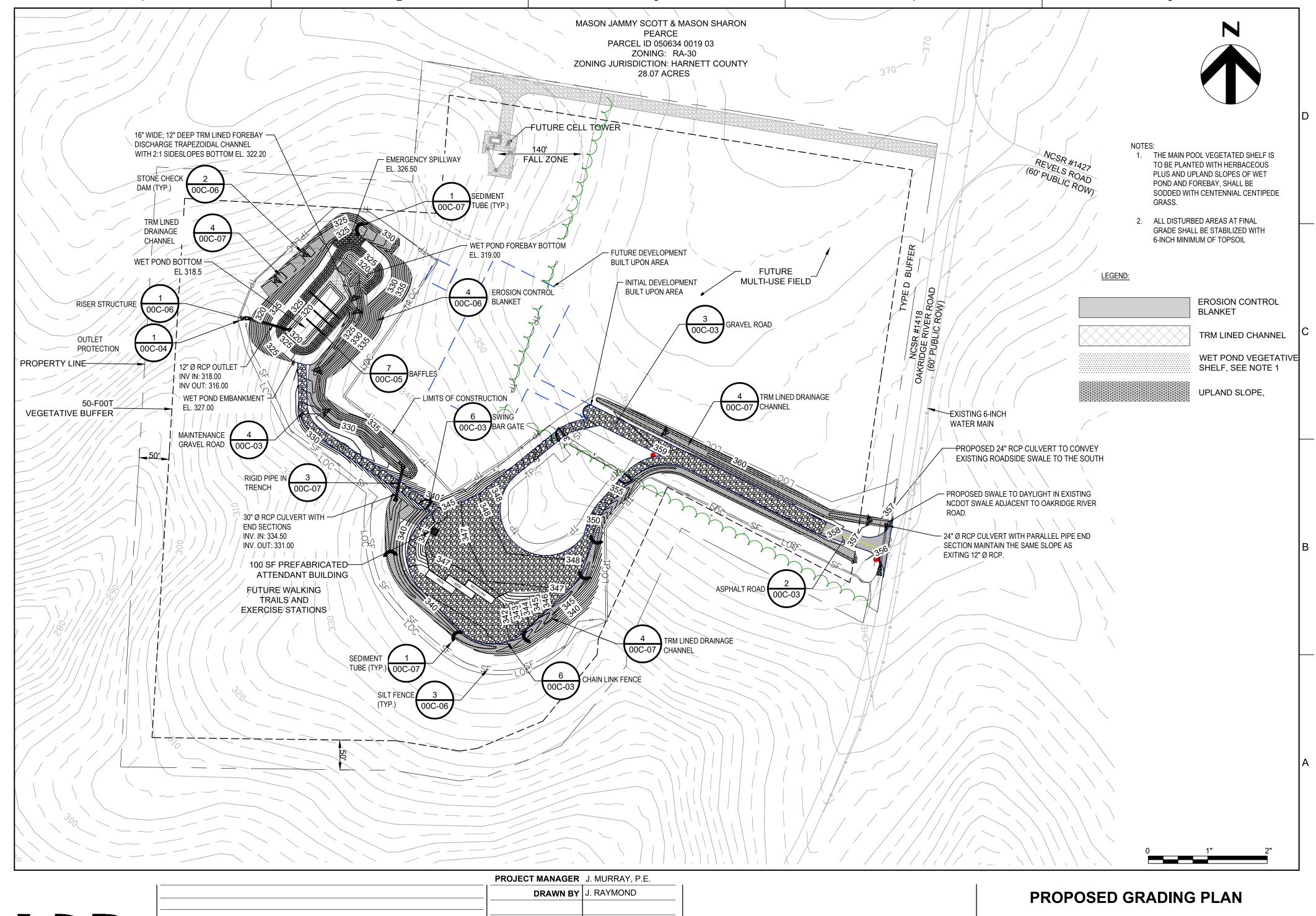


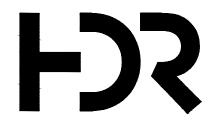
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Α	06/2019	SUBMITTED TO HARNETT PLANNING DEPARTMENT		
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С	10/2025	REVISED PER NCDEMLR AND NCDOT COMMENTS		
			DRAWN BY	J. RAYMO
			PROJECT MANAGER	J. WURKA

 FILENAME
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 SCALE
 1" = 100'

SHEET



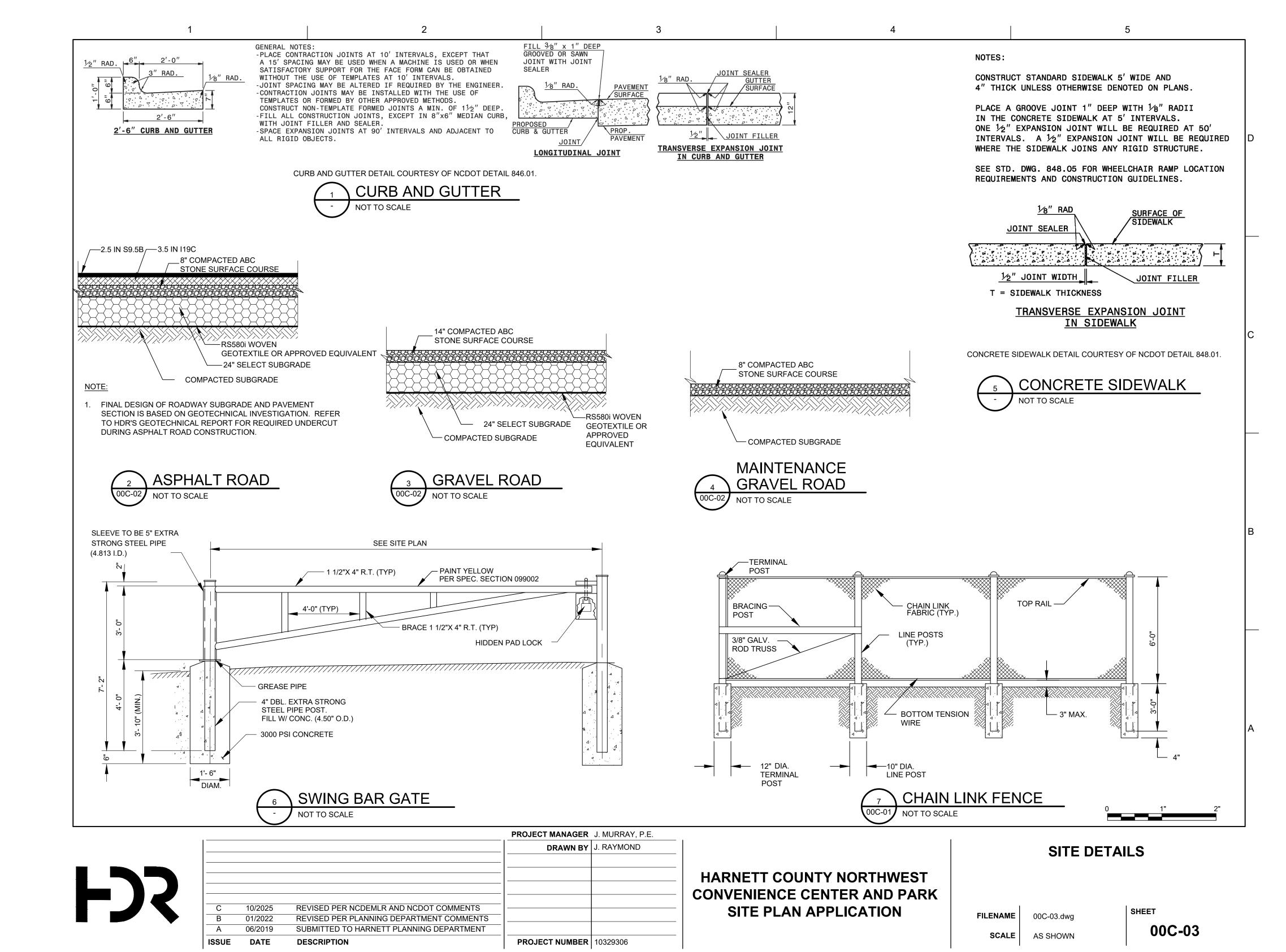


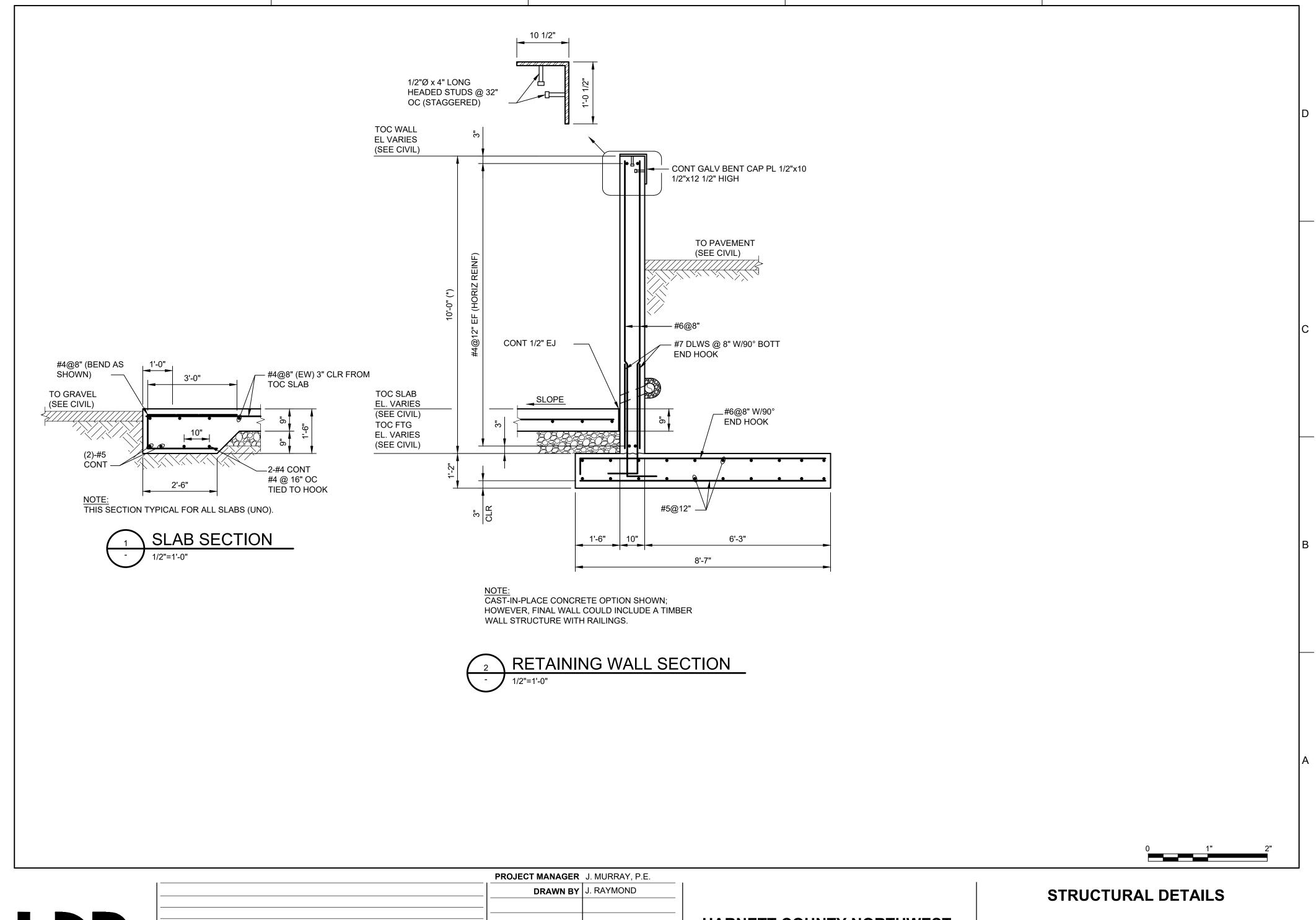
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			DRAWN BY	J. RAYMOND
-				
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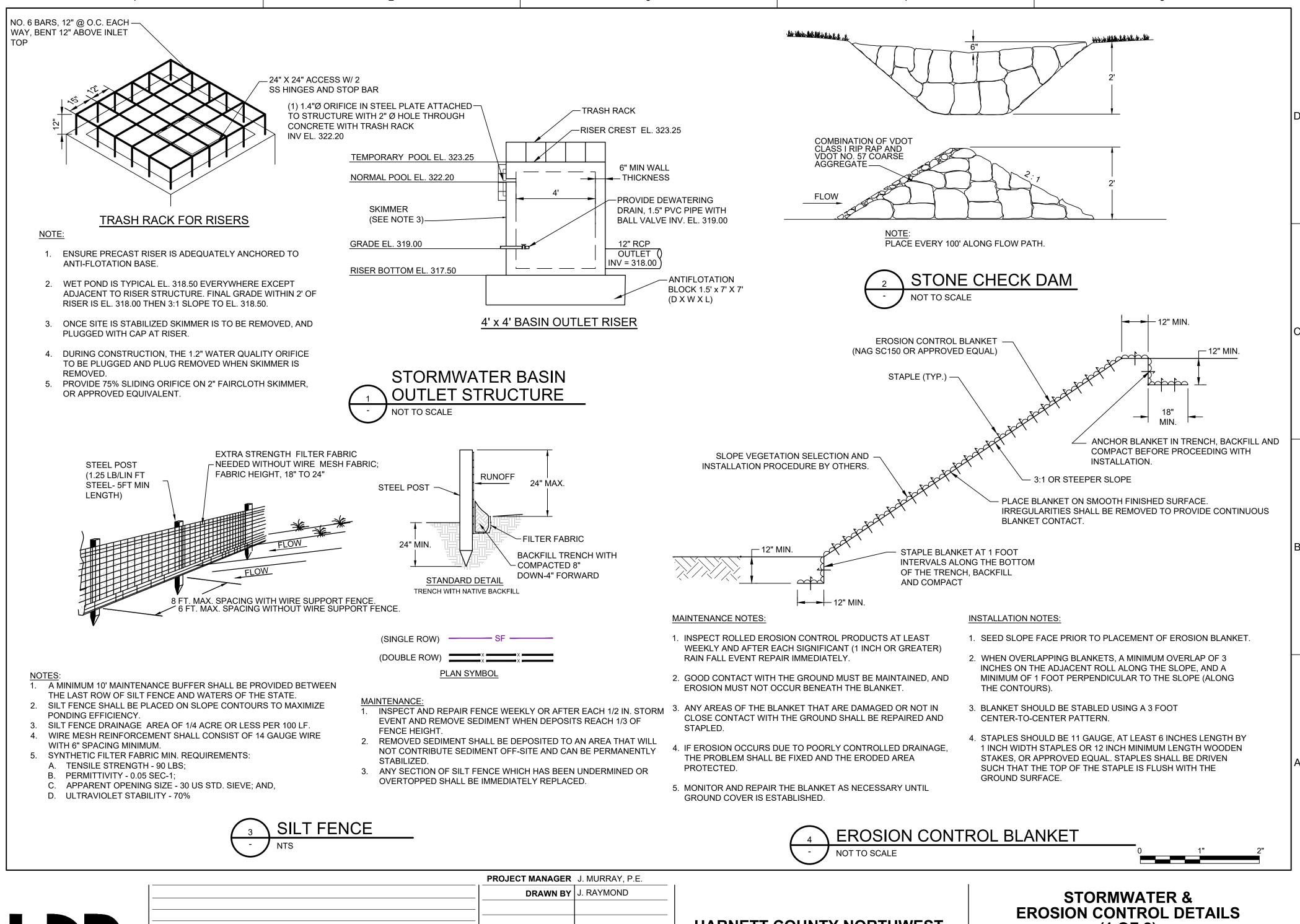




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 FILENAME
 00C-05.dwg

 SCALE
 1/2" = 1'-0"





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# (1 OF 2)

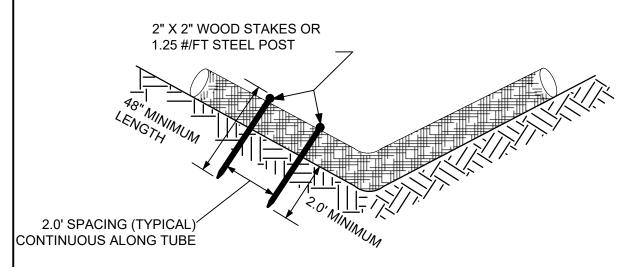
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SCALE AS SHOWN

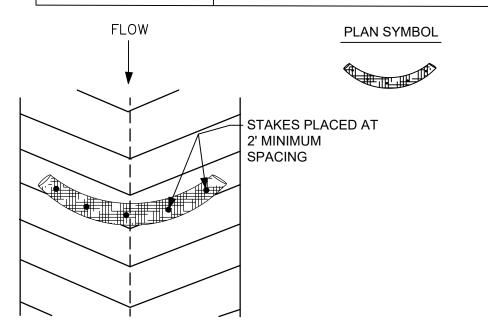
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### SEDIMENT TUBE INSTALLATION



# SEDIMENT TUBE SPACING

SLOPE	MAX. SEDIMENT TUBE SPACING
LESS THAN 2%	150-FEET
2%	100-FEET
3%	75-FEET
4%	50-FEET
5%	40-FEET
6%	30-FEET
GREATER THAN 6%	25-FEET



#### SEDIMENT TUBES - GENERAL NOTES

- 1. SEDIMENT TUBES MAY BE INSTALLED ALONG CONTOURS, IN DRAINAGE CONVEYANCE CHANNELS, AND AROUND INLETS TO HELP PREVENT OFF-SITE DISCHARGE OF SEDIMENT-LADEN STORMWATER RUNOFF.
- 2. SEDIMENT TUBES ARE ELONGATED TUBES OF COMPACTED GEOTEXTILES, CURLED EXCELSIOR WOOD, NATURAL COCONUT FIBER, OR HARDWOOD MULCH. STRAW, PINE NEEDLE, AND LEAF MULCH-FILLED SEDIMENT TUBES ARE NOT PERMITTED.
- 3. THE OUTER NETTING OF THE SEDIMENT TUBE SHOULD CONSIST OF SEAMLESS, HIGH-DENSITY POLYETHYLENE PHOTODEGRADABLE MATERIALS TREATED WITH ULTRAVIOLET STABILIZERS OR A SEAMLESS, HIGH-DENSITY POLYETHYLENE NON-DEGRADABLE MATERIAL.
- 4. SEDIMENT TUBES, WHEN USED AS CHECKS WITHIN CHANNELS, SHOULD RANGE BETWEEN 18-INCHES AND 24-INCHES DEPENDING ON CHANNEL DIMENSIONS. DIAMETERS OUTSIDE THIS RANGE MAY BE ALLOWED WHERE NECESSARY WHEN APPROVED.
- 5. CURLED EXCELSIOR WOOD, OR NATURAL COCONUT PRODUCTS THAT ARE ROLLED UP TO CREATE A SEDIMENT TUBE ARE NOT ALLOWED.
- 6. SEDIMENT TUBES SHOULD BE STAKED USING WOODEN STAKES (2-INCH X 2-INCH) OR STEEL POSTS (STANDARD "U" OR "T" SECTIONS WITH A MINIMUM WEIGHT OF 1.25 POUNDS PER FOOT) AT A MINIMUM OF 48-INCHES IN LENGTH PLACED ON 2-FOOT CENTERS.
- 7. INSTALL ALL SEDIMENT TUBES TO ENSURE THAT NO GAPS EXIST BETWEEN THE SOIL AND THE BOTTOM OF THE TUBE. MANUFACTURER'S RECOMMENDATIONS SHOULD ALWAYS BE CONSULTED BEFORE INSTALLATION.
- 8. THE ENDS OF ADJACENT SEDIMENT TUBES SHOULD BE OVERLAPPED 6-INCHES TO PREVENT FLOW AND SEDIMENT FROM PASSING THROUGH
- 9. SEDIMENT TUBES SHOULD NOT BE STACKED ON TOP OF ONE ANOTHER, UNLESS RECOMMENDED BY MANUFACTURER.
- 10. EACH SEDIMENT TUBE SHOULD BE INSTALLED IN A TRENCH WITH A DEPTH EQUAL TO 1/5 THE DIAMETER OF THE SEDIMENT TUBE.
- 11. SEDIMENT TUBES SHOULD CONTINUE UP THE SIDE SLOPES A MINIMUM OF 1-FOOT ABOVE THE DESIGN FLOW DEPTH OF THE CHANNEL.
- 12. INSTALL STAKES AT A DIAGONAL FACING INCOMING RUNOFF.

#### SEDIMENT TUBES - INSPECTION & MAINTENANCE

- THE KEY TO FUNCTIONAL SEDIMENT TUBES IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.
- 2. REGULAR INSPECTIONS OF SEDIMENT TUBES SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24-HOURS AFTER EACH RAINFALL EVEN THAT PRODUCES 1/2-INCH OR MORE OF PRECIPITATION.
- 3. ATTENTION TO SEDIMENT ACCUMULATIONS IN FRONT OF THE SEDIMENT TUBE IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
- 4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE SEDIMENT TUBE.
- 5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
- 6. LARGE DEBRIS, TRASH, AND LEAVES SHOULD BE REMOVED FROM IN FRONT OF TUBES WHEN FOUND.
- 7. IF EROSION CAUSES THE EDGES TO FALL TO A HEIGHT EQUAL TO OR BELOW THE HEIGHT OF THE SEDIMENT TUBE, REPAIRS SHOULD BE MADE IMMEDIATELY TO PREVENT RUNOFF FROM BYPASSING TUBE.
- 8. SEDIMENT TUBES SHOULD BE REMOVED AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN COMPLETELY STABILIZED. PERMANENT VEGETATION SHOULD REPLACE AREAS FROM WHICH SEDIMENT TUBES HAVE BEEN REMOVED.

I.D. = THE MAXIMUM HORIZONTAL INSIDE DIAMETER DIMENSION

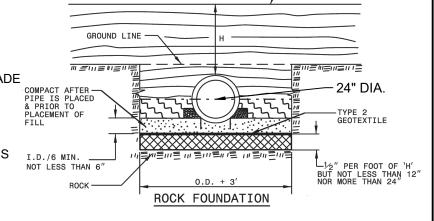
OF THE EMBANKMENT AT THAT POINT.

O.D. = THE MAXIMUM HORIZONTAL OUTSIDE DIAMETER DIMENSION

H = THE FILL HEIGHT MEASURED VERTICALLY AT ANY POINT ALONG THE PIPE FROM THE TOP OF THE PIPE TO THE TOP

TAKE CARE TO FULLY COMPACT HAUNCH ZONE OF PIPE BACKFILL.

LOOSELY PLACED SELECT MATERIAL CLASS III OR CLASS II, TYPE



TOP OF FILL -

DO NOT OPERATE HEAVY EQUIPMENT OVER ANY PIPE CULVERT UNTIL THE PIPE CULVERT HAS BEEN PROPERLY BACKFILLED AND COVERED WITH AT LEAST 3 FEET OF APPROVED MATERIAL.

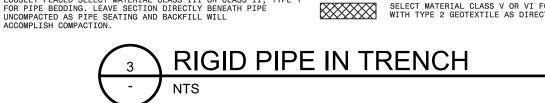
— - — - SPRINGLINE OF PIPE

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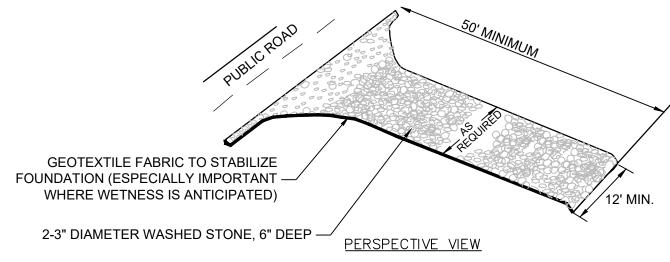
APPROVED SUITABLE LOCAL MATERIAL ABOVE SPRINGLINE

"=""=""="" UNDISTURBED EARTH MATERIAL

SELECT MATERIAL CLASS V OR VI FOR FOUNDATION CONDITIONING. ENCAPSULATE WITH TYPE 2 GEOTEXTILE AS DIRECTED BY THE ENGINEER.



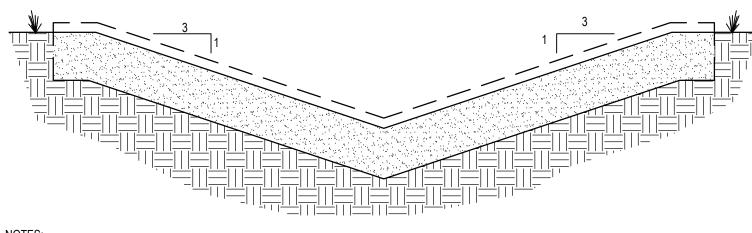






#### **DESIGN CRITERIA:**

- 1. AGGREGATE SIZE: 2-3" DIAMETER WASHED STONE
- 2. PAD THICKNESS: 6" MINIMUM
- 3. PAD WIDTH: 12' MINIMUM
- 4. PAD LENGTH: 50' MINIMUM
- 5. PAD LOCATION: LOCATE CONSTRUCTION ENTRANCES AND EXITS TO LIMIT SEDIMENT FROM LEAVING THE SITE AND TO PROVIDE MAXIMUM USAGE BY ALL CONSTRUCTION VEHICLES. AVOID STEEP GRADES AND ENTRANCES AT CURVES IN PUBLIC ROADS.
- 6. WASHING: IF CONDITIONS AT THE SITE ARE SUCH THAT MOST OF THE MUD AND SEDIMENT ARE NOT REMOVED BY VEHICLES TRAVELING OVER THE GRAVEL, THE TIRES SHOULD BE WASHED. WASHING SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO A SEDIMENT TRAP OR OTHER SUITABLE DISPOSAL AREA. A WASH RACK MAY ALSO BE USED TO MAKE WASHING MORE CONVENIENT AND EFFECTIVE.
- 7. CONTRACTOR REQUIRED TO PROVIDE APPROVED MAINTENANCE OF TRAFFIC (MOT) WHEN WORKING WITHIN COUNTY RIGHT OF WAY.



#### NOTES:

- 1. INSTALL AND ANCHOR TURF REINFORCED MAT PER MANUFACTURER'S RECOMMENDATIONS.
- 2. SEE GRADING PLAN FOR VARIATIONS IN CHANNEL DEPTH.



AS SHOWN



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HARNETT COUNTY NORTHWEST CONVENIENCE CENTER AND PARK SITE PLAN APPLICATION

# STORMWATER & EROSION CONTROL DETAILS (2 OF 2)

FILENAME 00C-07.dwg

**SCALE** 

SHEET