



**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION**  
**DIVISION OF WATER RESOURCES (DWR)**  
 William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11<sup>th</sup> Floor  
 Nashville, TN 37243  
 Toll Free Number: 1-888-891-8332 (TDEC)

**NOTICE OF INTENT (NOI) FOR GENERAL NPDES PERMIT FOR  
 STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES (TNR100000)**

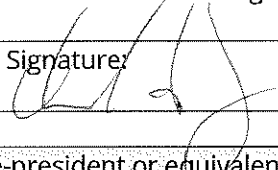
<b>Site or Project Name:</b> Carothers Crossing - Phase 5B and Phase 10, Section 2A		<b>NPDES Tracking Number: TNR</b>	
Street Address including city or zip code or Location: 7211 Carothers Road Nolensville, TN 37135		Construction Start Date: December 2023	
Site Description: Grading, Drainage, Roadway, Utilities to develop 143 Dwelling Units		Estimated End Date: January 2025	
County(ies): <b>Davidson</b>		MS4 Jurisdiction (if applicable): <b>Nashville</b>	
		Latitude (dd.dddd): 35.9850	
		Longitude (-dd.dddd): -86.6104	
		Acres Disturbed: <del>25.0 +/- Ac.</del> <b>27.5 +/- Ac.</b>	
		Total Acres: 599 +/- Ac.	
Are there any streams <input checked="" type="checkbox"/> and/or wetlands <input type="checkbox"/> on or adjacent to the construction site? If wetlands are located on-site and may be impacted, attach wetlands delineation report. <b>NR2304.301</b> If an Aquatic Resource Alteration Permit has been obtained for this site, what is the permit number? ARAP Number: NR2204.288			
Receiving waters: Unnamed Drain to East Branch Hurricane Creek			
Include the SWPPP with the NOI <input checked="" type="checkbox"/> SWPPP Included		Include a site location map <input checked="" type="checkbox"/> Map Included	

<b>Name of Site Owner or Developer (Site-Wide Permittee):</b> (correct legal name of person, company, or entity that has operational or design control over construction plans and specifications) Regent Development, LLC			
For corporate entities only, provide the Tennessee Secretary of State (SOS) Control Number: 000343007			
Site Owner or Developer Contact Name: (individual responsible for site) David McGowan		Title or Position: (the party who signs the certification below): President	
Mailing Address: 6901 Lenox Village Drive - Suite 107		City: <b>Nashville</b>	State: <b>TN</b> Zip: <b>37211</b>
Phone: ( ) <b>(615) 333-9000</b>		E-mail: david.mcgowan@regenthomes-tn.com	

Optional Contact Name: <b>Eric Olsen</b>		Title or Position: <b>Engineer</b>	
Mailing Address: 618 Grassmere Park Drive, Suite 4		City: <b>Nashville</b>	State: <b>TN</b> Zip: <b>37211</b>
Phone: ( ) <b>(615) 331-0809</b>		E-mail: <b>AndersonDelk@bellsouth.net</b>	

**Owner or Developer Certification:** (must be signed by president, vice-president or equivalent, or ranking elected official) (Primary Permittee)  
 David McGowan

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner or Developer Name: (print or type): <i>DAVID C. MCGOWAN</i>	Signature: 	Date: <i>11-15-2023</i>
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**Contractor(s) Certification:** (must be signed by president, vice-president or equivalent, or ranking elected official) (Secondary Permittee)

I certify under penalty of law that I have reviewed this document, any attachments, and the SWPPP referenced above. Based on my inquiry of the construction site owner/developer identified above and/or my inquiry of the person directly responsible for assembling this NOI and SWPPP, I believe the information submitted is accurate. I am aware that this NOI, if approved, makes the above-described construction activity subject to NPDES permit number TNR100000, and that certain of my activities on-site are thereby regulated. I am aware that there are significant penalties, including the possibility of fine and imprisonment for knowing violations, and for failure to comply with these permit requirements.

Primary contractor name, address, and SOS control number (if applicable): (print or type)	Signature:	Date:
Primary contractor name, address, and SOS control number (if applicable): (print or type)	Signature:	Date:
Primary contractor name, address, and SOS control number (if applicable): (print or type)	Signature:	Date:

## **NOTICE OF INTENT (NOI) FOR GENERAL NPDES PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES (TNR100000)**

Purpose of this form - A completed notice of intent (NOI) must be submitted to obtain coverage under the Tennessee General NPDES Permit for Discharges of Stormwater Associated with Construction Activity (permit). **Requesting coverage under this permit means that an applicant has obtained and examined a copy of this permit, and thereby acknowledges applicant's claim of ability to be in compliance with permit terms and conditions.** This permit is required for stormwater discharge(s) from construction activities including clearing, grading, filling and excavating (including borrow pits) of one or more acres of land. This form should be submitted at least 30 days prior to the commencement of land disturbing activities, or no later than 48 hours prior to when a new operator assumes operational control over site specifications or commences work at the site.

The appropriate permit application fee must accompany the NOI and is based on total acreage to be disturbed by an entire project, including any associated construction support activities (e.g., equipment staging yards, material storage areas, excavated material disposal areas, borrow or waste sites):

(i) Projects equal to or greater than 150 acres	\$10,000
(ii) Projects equal to or greater than 50 acres and less than 150 acres	\$6,000
(iii) Projects equal to or greater than 20 acres and less than 50 acres	\$3,000
(iv) Projects equal to or greater than 5 acres and less than 20 acres	\$1,000
(v) Projects equal to or greater than 1 acre and less than 5 acres	\$250
(vi) Projects seeking subsequent coverage under an actively covered larger common plan of development or sale	\$100

There is no fee for sites less than 1 acre. A separate annual maintenance fee is also required for construction activities that exceed 1 year under general permit coverage. Tennessee Rules, Chapter 0400-40-11-.02(b)(12)).

Who must submit the NOI form? Per Section 2 of the permit, all site operators must submit an NOI form. "Operator" for the purpose of this permit and in the context of stormwater associated with construction activity means any person associated with a construction project who meets either or both of the following two criteria: (1) The person has operational or design control over construction plans and specifications, including the ability to make modifications to those plans and specifications. This person is typically the owner or developer of the project or a portion of the project (e.g. subsequent builder), or the person that is the current landowner of the construction site. This person is considered the primary permittee; or (2) The person has day-to-day operational control of those activities at a project which are necessary to ensure compliance with a SWPPP for the site or other permit conditions. This person is typically a contractor or a commercial builder who is hired by the primary permittee and is considered a secondary permittee.

Owners, developers and all contractors that meet the definition of the operator in subsection 2.2 of the permit shall apply for permit coverage on the same NOI, insofar as possible. After permit coverage has been granted to the primary permittee, any separate or subsequent NOI submittals must include the site's previously assigned permit tracking number and the project name. The site-wide site-specific SWPPP shall be prepared in accordance with the requirements of part 5 of the permit and must be submitted with the NOI unless the NOI being submitted is to only add a contractor (secondary permittee) to an existing coverage. Artificial entities (e.g., corporations or partnerships excluding entities not required to register) must submit the TN Secretary of State, Division of Business Services, control number. The Division reserves the right to deny coverage to artificial entities that are not properly registered and in good standing with the TN Secretary of State.

Notice of Coverage - The division will review the NOI for completeness and accuracy and prepare a notice of coverage (NOC). Stormwater discharge from the construction site is authorized as of the effective date of the NOC.

Complete the form - Type or print clearly, using ink and not markers or pencil. Answer each item or enter "NA," for not applicable, if a particular item does not fit the circumstances or characteristics of your construction site or activity. If you need additional space, attach a separate piece of paper to the NOI form. **The NOI will be considered incomplete without a permit fee, a map, and the SWPPP.**

Describe and locate the project - Use the legal or official name of the construction site. If a construction site lacks street name or route number, give the most accurate geographic information available to describe the location (reference to adjacent highways, roads and structures; e.g. intersection of state highways 70 and 100). Latitude and longitude (expressed in decimal degrees) of the center of the site can be located on USGS quadrangle maps. The maps can be obtained at the USGS World Wide Web site: <http://www.usgs.gov/>; latitude and longitude information can be found at numerous other web sites. Attach a copy of a portion of a 7.5 minute topographic map, a city map, or a county map showing location of site, with boundaries at least one mile outside the site boundaries. Provide estimated starting date of clearing activities and completion date of the project, and an estimate of the number of acres of the site on which soil will be disturbed, including borrow areas, fill areas, stockpiles and the total acres. For linear projects, give location at each end of the construction area.

Give name of the receiving waters - Trace the route of stormwater runoff from the construction site and determine the name of the river(s), stream(s), creek(s), wetland(s), lake(s) or any other water course(s) into which the stormwater runoff drains. Note that the receiving water course may or may not be located on the construction site. If the first water body receiving construction site runoff is unnamed ("unnamed tributary"), determine the name of the water body that the unnamed tributary enters.

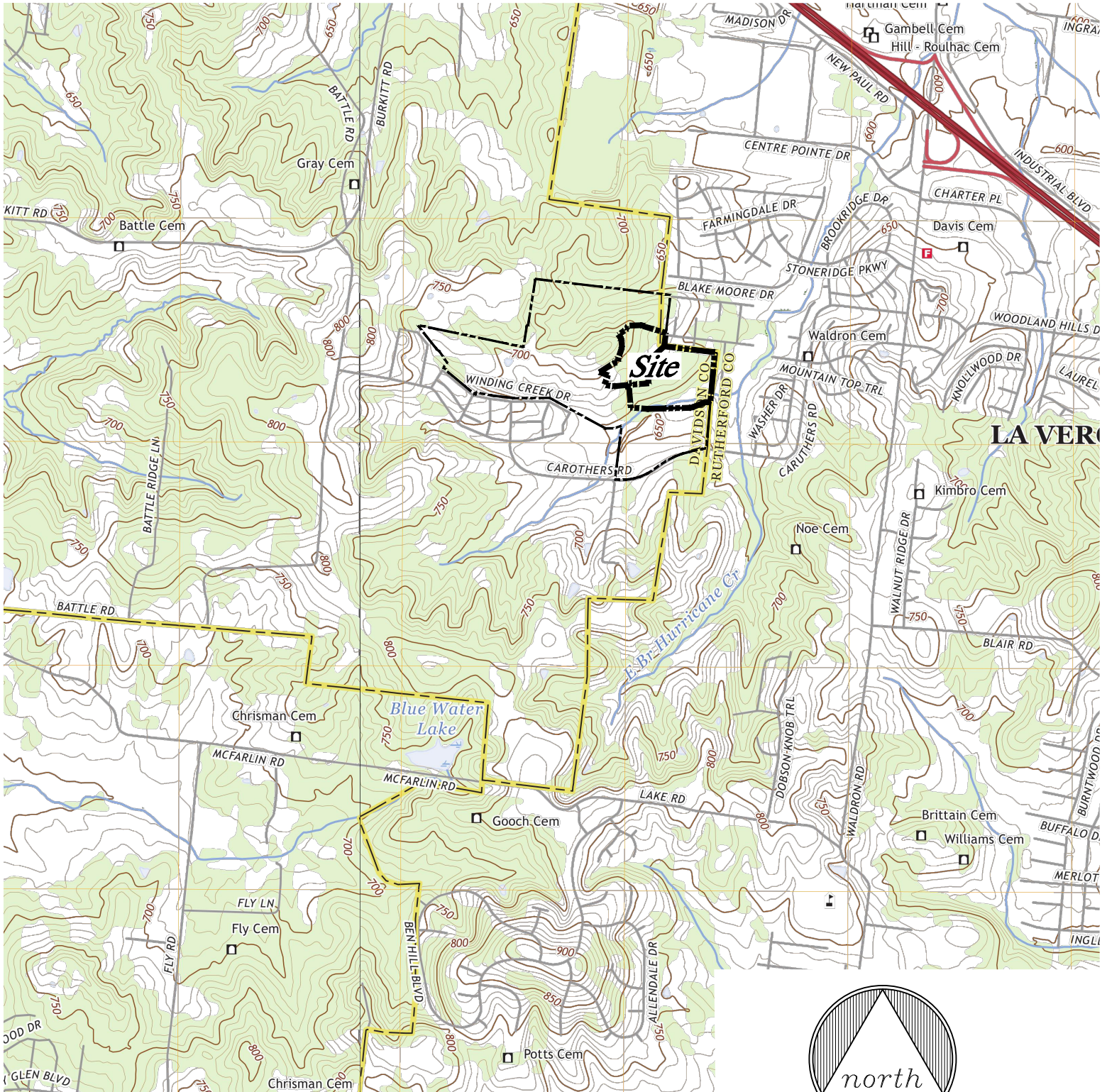
An ARAP may be required - **If your work will disturb or cause alterations of a stream or wetland, you must obtain an appropriate Aquatic Resource Alteration Permit (ARAP).** If you have a question about the ARAP program, contact your local Environmental Field Office (EFO).

Submitting the form and obtaining more information - Note that this form must be signed by the company President, Vice-President, or a ranking elected official in the case of a municipality, for details see subpart 2.5. For more information, contact your local EFO at the toll-free number 1-888-891-8332 (TDEC). Submit the completed NOI form (keep a copy for your records) to the appropriate EFO for the county(ies) where the construction activity is located, addressed to **Attention: Stormwater NOI Processing** or use MyTDEC Forms for electronic submittal.

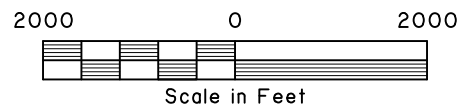
EFO	Street Address	Zip Code	EFO	Street Address	Zip Code
Memphis	8383 Wolf Lake Drive, Bartlett	38133-4119	Cookeville	1221 South Willow Ave.	38506
Jackson	1625 Hollywood Drive	38305-4316	Chattanooga	1301 Riverfront Parkway, Suite 206	37402-2013
Nashville	711 R S Gass Boulevard	37243	Knoxville	3711 Middlebrook Pike	37921
Columbia	1421 Hampshire Pike	38401	Johnson City	2305 Silverdale Road	37601

**NOLENSVILLE QUADRANGLE**  
TENNESSEE  
7.5-MINUTE SERIES  
2022

**SMYRNA QUADRANGLE**  
TENNESSEE  
7.5-MINUTE SERIES  
2022



**U.S. DEPARTMENT OF THE INTERIOR**  
**U.S. GEOLOGICAL SURVEY**



# STORM WATER POLLUTION PREVENTION PLAN

## FOR

# CAROTHERS CROSSING

## PHASE 5B AND PHASE 10, SECTION 2A

**Owner or Developer Certification (must be signed by president, vice-president or equivalent, or ranking elected official) (Primary Permittee)**

I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Representative of owner/developer; print or type <b>DAVID MCGOWAN</b>	Signature 	Date <b>11-15-2023</b>
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**Contractor(s) Certification (must be signed by president, vice-president or equivalent, or ranking elected official) (Secondary Permittee)**

I certify under penalty of law that I have reviewed this document, any attachments, and the SWPPP referenced above. Based on my inquiry of the construction site owner/developer identified above and/or my inquiry of the person directly responsible for assembling this NOI and SWPPP, I believe the information submitted is accurate. I am aware that this NOI, if approved, makes the above-described construction activity subject to NPDES permit number TNR100000, and that certain of my activities on-site are thereby regulated. I am aware that there are significant penalties, including the possibility of fine and imprisonment for knowing violations, and for failure to comply with these permit requirements. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Contractor name, address, and SOS control number (if applicable)	Signature by representative of contractor	Date
Contractor name, address, and SOS control number (if applicable)	Signature by representative of contractor	Date
Contractor name, address, and SOS control number (if applicable)	Signature by representative of contractor	Date

DEVELOPER: Regent Development, LLC

CONTRACTOR: 

DATE: 11/14/23

# STORM WATER POLLUTION PREVENTION PLAN

## SITE DESCRIPTION:

1. SITE IS ROLLING TO HILLY LAND.
2. CONSTRUCTION ACTIVITY WILL INCLUDE GRADING, DRAINAGE, ROADWAY, WATER, SEWER AND UTILITY CONSTRUCTION FOR DEVELOPING A TOTAL OF 143 DWELLING UNITS IN A MIXTURE OF SINGLE-FAMILY DETACHED, ATTACHED TOWNHOMES, AND MULTI-FAMILY DWELLINGS.
3. SEQUENCE OF ACTIVITIES SHALL BE INSTALL EROSION CONTROL AS SHOWN ON THE APPROVED EROSION CONTROL PLAN, GRUBBING, EXCAVATION AND GRADING, SEWER, WATER, DRAINAGE, UTILITIES, ROADWAY AND FINAL SITE STABILIZATION.
4. TOTAL AREA WITHIN SITE: 599 ACRES ± (ENTIRE CAROTHERS CROSSING UDO)  
TOTAL AREA TO BE DISTURBED: 27.5 ACRES ±  
ANY PORTIONS OF THE SITE TO REMAIN UNDISTURBED DURING CONSTRUCTION SHALL BE MARKED OFF USING CAUTION FENCES, OR BY OTHER MEANS.  
LAND DISTURBANCE THROUGHOUT THE ENTIRE DEVELOPMENT TO BE PHASED TO KEEP TOTAL DISTURBED AREA LESS THAN 50 ACRES AT ANY ONE TIME.
5. SOIL: A LAYER OF TOPSOIL WITH SILT, CLAY, AND WEATHERED ROCK.  
BECAUSE OF THE PRESENCE OF SILT AND CLAY IN THE SOIL, ADDITIONAL TREATMENT PROCESSES ARE TO BE USED TO PREVENT POLLUTION OF DOWNSTREAM WATERS. THIS INCLUDES, BUT IS NOT LIMITED TO: SILT FENCING TO PREVENT EROSION ALONG DISTURBED SLOPES, INLET PROTECTION TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM, AND CHECK DAMS WITHIN DRAINAGE DITCHES TO PROVIDE ADDITIONAL SEDIMENTATION CONTROL AND TO REDUCE THE STORM WATER VELOCITY.
6. FUTURE RUNOFF COEFFICIENT: 0.75

## CONTROLS, MAINTENANCE AND INSPECTIONS:

1. EROSION CONTROL TO BE INSTALLED AS SHOWN ON THE APPROVED EROSION CONTROL PLAN.
2. QUALITY ASSURANCE OF EROSION PREVENTION AND SEDIMENT CONTROLS SHALL BE DONE BY PERFORMING SITE ASSESSMENT AT THE CONSTRUCTION SITE FOR ALL OUTFALL LOCATIONS DRAINING MORE THAN 5 ACRES. SITE ASSESSMENT SHALL BE CONDUCTED WITHIN A MONTH OF CONSTRUCTION COMMENCING AND WILL BE PERFORMED BY SOMEONE MEETING THE REQUIREMENTS OF SECTION 5.5.3.8 OF THE GENERAL PERMIT.
3. SILT FENCE, RIP-RAP, RIP-RAP CHECK DAMS, INLET PROTECTION, AND SEDIMENT BASINS SHALL BE USED TO CONTROL SEDIMENT AND MAINTAIN THE SEDIMENT ON SITE.
4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF EROSION CONTROL.
5. CONTRACTOR SHALL INSPECT THE CONTROL AS REQUIRED BY THE GENERAL PERMIT.

## **CONTROLS, MAINTENANCE AND INSPECTIONS (Con't.)**

6. SEDIMENT MUST BE REMOVED WHEN BASINS OR CONTROL ARE 50% FULL.
7. EROSION CONTROL SHALL BE MAINTAINED IN GOOD WORKING ORDER AT ALL TIMES, INSPECTED BEFORE ANTICIPATED STORMS AND THE DAY AFTER ANY STORM OF 0.5" RAIN. ANY INDICATED REPAIRS SHALL BE MADE DURING INSPECTION.
8. ONLY AREAS SHOWN ON THE PLAN SHALL BE DISTURBED.
9. TEMPORARY MULCH SHALL BE PUT ON THE SITE TO HELP REDUCE RUNOFF.
10. TEMPORARY CONTROLS MAY BE USED AROUND STOCKPILES. THESE CONTROLS SHALL BE MAINTAINED AT THE END OF EACH WORK DAY.
11. PHASE 5B POND 1, PHASE 5B POND 2, AND PHASE 5B POND 3 ARE TO BE USED AS TEMPORARY SEDIMENTATION BASINS. SEE PLANS FOR ADDITIONAL DETAILS.
12. PERMANENT SOIL STABILIZATION SHALL BE STARTED WITHIN 14 DAYS OF FINAL GRADING.
13. SITE SHALL BE STABILIZED WITH PERMANENT SEEDING, MULCHING, SOD, BUFFER STRIPS AND PROTECTION OF TREES AND MATURE VEGETATION.
14. NO AREA SHALL REMAIN UNSTABILIZED FOR MORE THAN SEVEN DAYS AFTER CONSTRUCTION HAS CEASED IN AN AREA EXCEPT IF RESUMING WITHIN 14 DAYS.
15. ALL RIP-RAP, SILT FENCE, AND SEED AND MULCH SHALL BE INSTALLED AS REQUIRED ON THE APPROVED PLAN.
16. STONE CHECK DAMS SHALL REMAIN IN PLACE UNTIL CONTRIBUTING DRAINAGE BASIN HAS RECEIVED FINAL STABILIZATION.
17. OFFSITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION ACCESS SHALL BE INSTALLED AS SHOWN ON THE APPROVED PLAN. THIS ACCESS POINT SHALL BE USED FOR ALL CONSTRUCTION TRAFFIC, AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO MINIMIZE TRACKING OF SEDIMENTS OFFSITE.
18. THE OWNER AND CONTRACTOR SHALL KEEP THE PLAN CURRENT AND MAKE ANY CHANGES AS REQUIRED TO THE PLAN.
19. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORM WATER SHALL BE PICKED UP PRIOR TO ANTICIPATED STORM EVENTS, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORM WATER DISCHARGES.
20. PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 20 CALENDAR DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.
21. MUDDY WATER TO BE PUMPED FROM EXCAVATION AND WORK AREAS MUST BE HELD IN SETTLING BASINS OR FILTERED PRIOR TO ITS DISCHARGE INTO SURFACE WATERS.
22. MATERIALS TO BE STORED ON SITE MAY INCLUDE, BUT ARE NOT LIMITED TO: SOIL, CONCRETE COMPOUNDS, FERTILIZERS, PETROLEUM PRODUCTS, OR OTHER HAZARDOUS CHEMICALS SUCH AS PAINTS AND SOLVENTS.



## **CONTROLS, MAINTENANCE AND INSPECTIONS (Con't.)**

23. OFFSITE MATERIAL STORAGE AREAS USED SOLELY BY THE PERMITTED PROJECT ARE CONSIDERED A PART OF THE PROJECT, AND TEMPORARY CONTROL MEASURES ARE TO BE TAKEN TO PREVENT THE AREA FROM BECOMING A POLLUTANT SOURCE FOR STORM WATER DISCHARGE.
24. THE PERMITTEE SHALL POST A NOTICE NEAR THE MAIN ENTRANCE OF THE SITE WITH THE FOLLOWING INFORMATION: A COPY OF THE NOTICE OF COVERAGE WITH THE NPDES PERMIT NUMBER FOR THE PROJECT, THE NAME AND TELEPHONE NUMBER OF THE LOCAL CONTACT PERSON, A BRIEF DESCRIPTION OF THE PROJECT, AND THE LOCATION OF THE SWPPP IF THE SITE IS INACTIVE OR DOES NOT HAVE AN ON-SITE LOCATION TO STORE THE PLAN.
25. PERMANENT VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT DISCHARGE LOCATIONS AND ALONG ANY OUTFALL CHANNEL TO PROVIDE A NON-EROSIVE VELOCITY FLOW.
26. EROSION CONTROL MEASURES TO BE IMPLEMENTED ARE TO BE DESIGNED FOR THE 5-YEAR 24-HOUR STORM EVENT.
27. REGULAR WASTE COLLECTION BY A LICENSED HAULER SHALL BE ARRANGED TO PREVENT THE OVERFLOWING OF TEMPORARY SANITARY FACILITIES.
28. ANY NON-STORM WATER DISCHARGES GENERATED DURING THE DEVELOPMENT OF THE SITE ( SUCH AS WASH WATERS AND SANITARY WASTEWATERS ) ARE NOT TO BE DISCHARGED INTO A DITCH, CREEK, OR OTHER WATERWAY.
29. TEMPORARY DIVERSION CHANNELS, WATERBAR DIVERSIONS, AND/OR SILT FENCE ARE TO BE USED TO REDUCE SLOPE LENGTH OF EXPOSED STEEP SLOPES.
30. ANY NON-STORM WATER DISCHARGES GENERATED DURING THE DEVELOPMENT OF THE SITE ( SUCH AS WASH WATERS AND SANITARY WASTEWATERS ) ARE NOT TO BE DISCHARGED INTO A DITCH, CREEK, OR OTHER WATERWAY.
31. IF ANY PORTION OF THE SITE IS TO BE SOLD PRIOR TO COMPLETION OF CONSTRUCTION, THE AREA TO BE SOLD SHALL BE STABILIZED, AND SUFFICIENT EROSION CONTROL IS TO BE IN PLACE. ONCE THE PROPERTY IS SOLD, THE NEW OPERATOR MUST OBTAIN COVERAGE UNDER THIS PERMIT, AND ASSUME OPERATIONAL CONTROL AND RESPONSIBILITY OF THAT PORTION OF THE SITE.
32. ONE MINOR STREAM CROSSING FOR ROADWAY AND UTILITIES IS PROPOSED AS ALTERATIONS TO WATERS OF THE STATE.
32. NO DISTURBANCE OF ANY WATERS OF THE STATE ARE ALLOWED WITHOUT OBTAINING ALL REQUIRED LOCAL/STATE/FEDERAL PERMITS AND APPROVALS.

## **INSPECTIONS:**

1. INSPECTIONS DESCRIBED BELOW SHALL BE PERFORMED AT LEAST TWICE EVERY CALENDAR WEEK, AT LEAST 72 HOURS APART.
2. INSPECTORS PERFORMING THE REQUIRED TWICE WEEKLY INSPECTIONS MUST HAVE AN ACTIVE CERTIFICATION BY COMPLETING THE “FUNDAMENTALS OF EROSION PREVENTION AND SEDIMENT CONTROL LEVEL I” COURSE. A COPY OF THIS CERTIFICATION OR TRAINING RECORD SHALL BE KEPT ON SITE. INSPECTIONS MAY ALSO BE PERFORMED BY SOMEONE MEETING THE REQUIREMENTS OF SECTION 5.5.3.10 OF THE GENERAL PERMIT.
3. INSPECTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO, DISTURBED AREAS THAT HAVE NOT RECEIVED FINAL STABILIZATION, STORAGE AREAS OF MATERIAL THAT ARE EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL MEASURES, LOCATION WHERE VEHICLES ENTER/EXIT THE SITE, AND OUTFALL LOCATIONS.
4. OUTFALL LOCATIONS SHALL BE INSPECTED TO DETERMINE IF EXISTING MEASURES ARE PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. WHERE DISCHARGE LOCATIONS ARE INACCESSIBLE, NEARBY DOWNSTREAM LOCATIONS SHALL BE INSPECTED.
5. BASED ON RESULTS OF THE INSPECTIONS, ANY INADEQUATE CONTROL MEASURES OR MEASURES IN DISREPAIR SHALL BE REPLACED OR MODIFIED, OR REPAIRED AS NECESSARY, BEFORE THE NEXT RAIN EVENT, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE NEED IS IDENTIFIED.
6. THE SITE DESCRIPTION AND POLLUTION PREVENTION MEASURES IN THIS SWPPP SHALL BE REVISED AS APPROPRIATE, BUT IN NO CASE LATER THAN 7 DAYS FOLLOWING THE INSPECTION. IMPLEMENTATION OF ANY CHANGES TO THIS SWPPP SHALL BE DONE NO LATER THAN 14 DAYS FOLLOWING THE INSPECTION.
7. ALL INSPECTIONS SHALL BE DOCUMENTED ON THE TDEC, DIVISION OF WATER POLLUTION CONTROL, CONSTRUCTION STORMWATER INSPECTION CERTIFICATION INCLUDED WITH THIS SWPPP. AN ALTERNATE INSPECTION FORM MAY BE USED AS LONG AS THE FORM CONTENTS AND THE INSPECTION CERTIFICATION LANGUAGE ARE, AT A MINIMUM, EQUIVALENT TO THE DIVISION’S FORM AND THE PERMITTEE HAS OBTAINED WRITTEN APPROVAL FROM THE DIVISION TO USE THE ALTERNATIVE FORM.
8. INSPECTION DOCUMENTATION SHALL BE MAINTAINED ON SITE AND MADE AVAILABLE TO THE DIVISION UPON REQUEST. INSPECTION REPORTS MUST BE SUBMITTED TO THE DIVISION WITHIN 10 DAYS OF THE REQUEST. IF THE DIVISION REQUESTS THE CONSTRUCTION STORMWATER INSPECTION CERTIFICATION FORM TO BE SUBMITTED, THE SUBMITTED FORM MUST CONTAIN THE PRINTED NAME AND SIGNATURE OF THE TRAINED CERTIFIED INSPECTOR AND MEETS THE SIGNATORY REQUIREMENTS OF SECTION 5.5.3.10 OF THE GENERAL PERMIT.

## **INSPECTIONS (Con't.):**

9. WHERE SITES OR PORTIONS OF THE SITE HAVE BEEN TEMPORARILY STABILIZED, OR RUNOFF IS UNLIKELY DUE TO WINTER CONDITIONS (SITE COVERED IN SNOW OR ICE) OR DUE TO EXTREME DROUGHT, INSPECTIONS SHALL BE CONDUCTED ONCE PER MONTH UNTIL THAWING OR PRECIPITATION RESULTS IN RUNOFF OR CONSTRUCTION ACTIVITY RESUMES. WRITTEN NOTIFICATION OF THE INTENT TO CHANGE INSPECTION FREQUENCY AND THE JUSTIFICATION FOR SUCH REQUEST MUST BE SUBMITTED TO THE LOCAL ENVIRONMENTAL FIELD OFFICE. SHOULD THE DIVISION DISCOVER THAT MONTHLY INSPECTIONS OF THE SITE ARE NOT APPROPRIATE, TWICE WEEKLY INSPECTIONS SHALL RESUME.
10. THE PRIMARY PERMITTEE (SUCH AS A DEVELOPER) IS NOT REQUIRED TO CONDUCT INSPECTIONS ON PORTIONS OF THE SITE THAT ARE COVERED BY A SUBSEQUENT PRIMARY PERMITTEE (SUCH AS A HOME BUILDER).
11. QUALITY ASSURANCE OF EROSION PREVENTION AND SEDIMENT CONTROLS SHALL BE DONE BY PERFORMING SITE ASSESSMENT AT THE CONSTRUCTION SITE IN ACCORDANCE WITH SECTION 5.5.3.8 OF THE GENERAL PERMIT. AS A MINIMUM, SITE ASSESSMENT SHOULD BE PERFORMED TO VERIFY THE INSTALLATION, FUNCTIONALITY AND PERFORMANCE OF THE EPSC MEASURES DESCRIBED IN THE SWPPP, AND DOCUMENTATION OF THE SITE ASSESSMENT FINDINGS SHALL BE DOCUMENTED AND KEPT WITH THE SWPPP.

## **BUFFER ZONE:**

1. THE BUFFER ZONE AREA SHALL BE PRESERVED, TO THE MAXIMUM EXTENT PRACTICAL, DURING CONSTRUCTION ACTIVITIES.
2. THE BUFFER SHALL HAVE A MINIMUM WIDTH OF 30 FEET FROM TOP OF BANK TO THE DISTURBED CONSTRUCTION AREA, WITH A 60 FEET AVERAGE WIDTH ALONG THE LENGTH OF THE PROJECT.
3. THE LIMITS OF THE BUFFER AREA SHALL BE MARKED OFF DURING CONSTRUCTION USING CAUTION FENCE, SILT FENCE, OR BY OTHER EQUIVALENT MEANS.

## **PROJECT PHASING:**

1. GRADING ACTIVITIES FOR THE SITE ARE TO BE PHASED TO MINIMIZE THE TOTAL AMOUNT OF DISTURBED AREA AT ANY ONE TIME.
2. SITE TO BE DEVELOPED IN ORDER OF THE PHASES SHOWN ON THE PLANS.
3. CONSTRUCTION ACTIVITIES OUTSIDE OF CURRENT PHASE BEING DEVELOPED TO BE DONE AS NEEDED FOR MATERIAL BALANCE AND INSTALLATION OF REQUIRED INFRASTRUCTURE.

**PROJECT PHASING (Con't.):**

4. DISTURBED AREAS ARE TO BE STABILIZED AS SOON AS POSSIBLE AND SHALL BE COMPLETED OR STABILIZED BEFORE ADDING ADDITIONAL DISTURBED AREAS.
5. INSPECTION DOCUMENTS KEPT ON SITE TO LIST THE CURRENT AMOUNT OF DISTURBED AREAS AND SHALL BE UPDATED THROUGHOUT CONSTRUCTION.
6. TOTAL AMOUNT OF DISTURBED AREA FOR THE SITE SHALL BE KEPT BELOW 50 ACRES

**Master Plan**

The Master Plan for Carothers Crossing strikes a balance between being a legitimate regional extension of a pre-existing community (Lavergne), and a collection of freestanding villages in a rural landscape. The plan configuration of each of the four villages is dictated by the unique topography associated with each village's location on the site, the natural features of the site to be retained or enhanced, and the intended functional role or character of each particular village.

The primary form givers in terms of natural features and local amenities are the large open meadows to the east, the deep ravines and ridges to the south, the large knoll and the existing regional park to the north, and the creeks which traverse the site in a largely west to east direction. A single existing thoroughfare, Carothers Road, also traverses the site in an east and west orientation, which will be replaced by an interconnected street network, serving the larger regional road network.

This road, properly designed to allow it to be safely and appropriately integrated into the Master Plan, will also be slightly realigned to allow it to help energize the Town Center Village, provide convenient access to same, and to better deal with issues and concerns of adjoining property owners on Battle Road regarding traffic and headlights. This realignment, along with a more urbanized section, should not impact in any substantive way, either Carothers Road's capacity or its ability to carry out its role within the larger regional transportation network.

Altogether, the resulting master plan represents an optimal response to the unique features and attributes of the site and the needs of the present and future residents in and around Carothers Crossing.

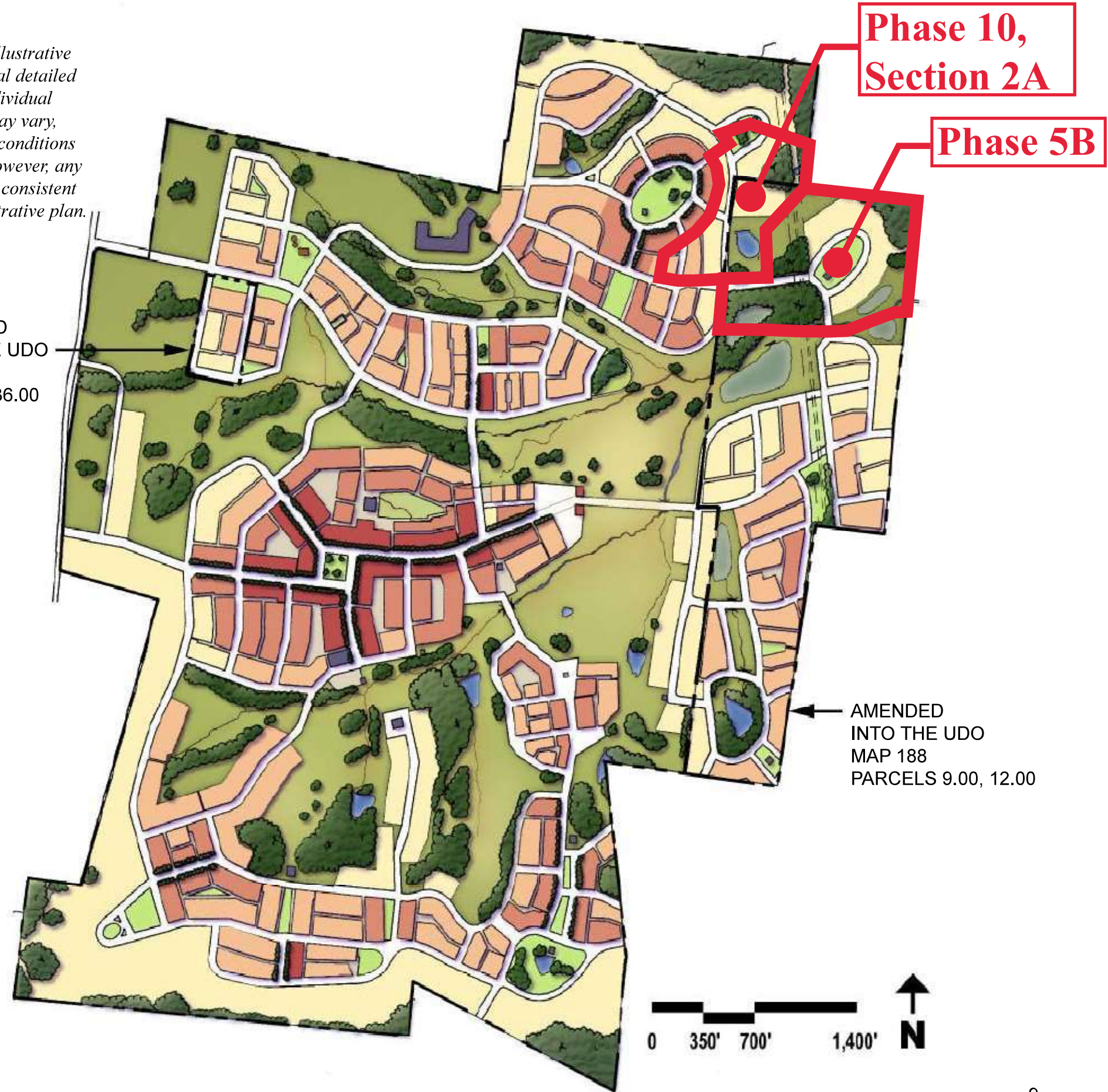
*\* Master Plan shown for illustrative purposes and intent. Actual detailed plans and locations of individual villages, streets and lots may vary, subject to constraints and conditions as yet to be determined; however, any changes proposed must be consistent with the intent of the illustrative plan.*

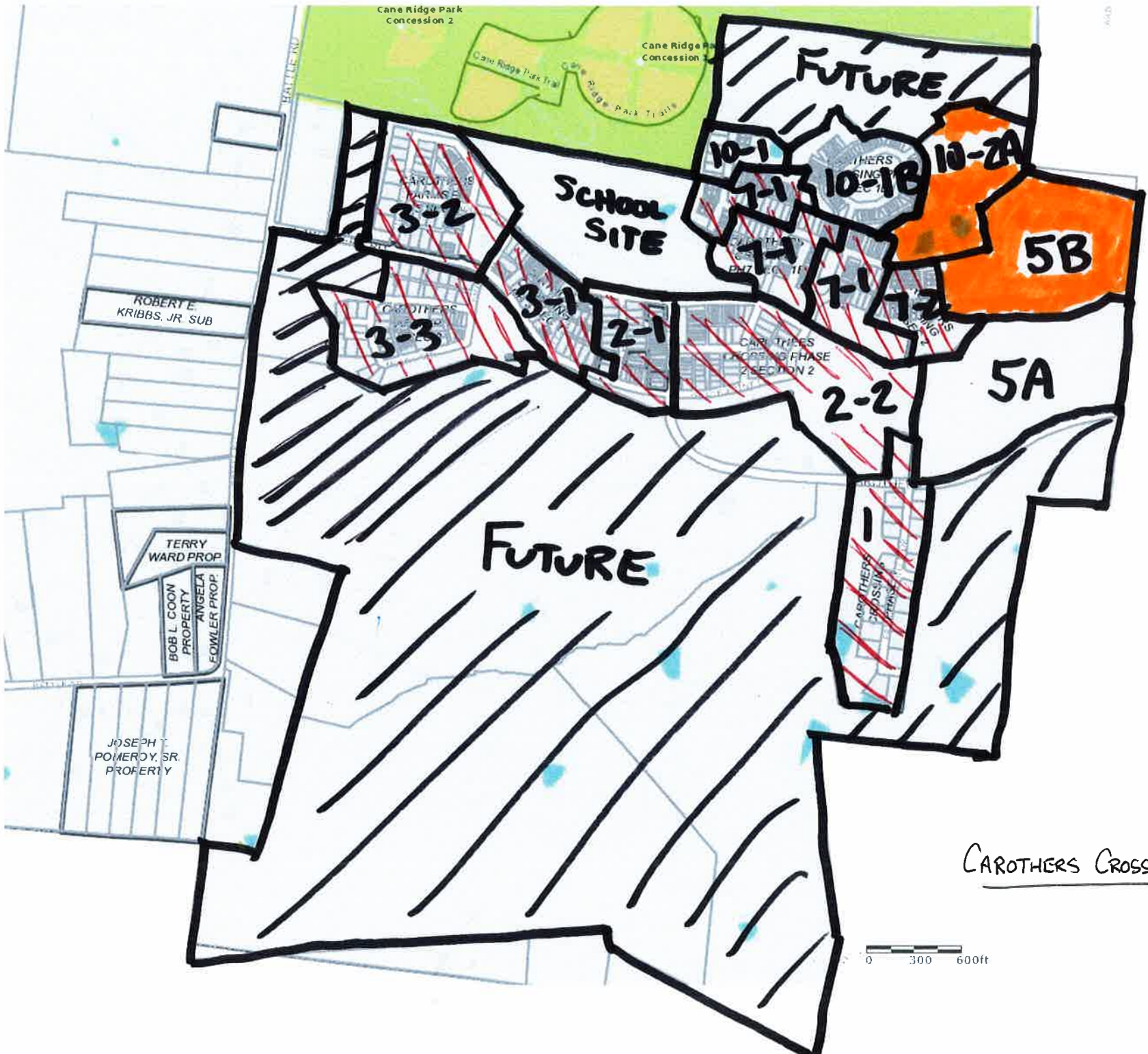
AMENDED INTO THE UDO MAP 188 PARCEL 36.00

**Phase 10, Section 2A**

**Phase 5B**

AMENDED INTO THE UDO MAP 188 PARCELS 9.00, 12.00





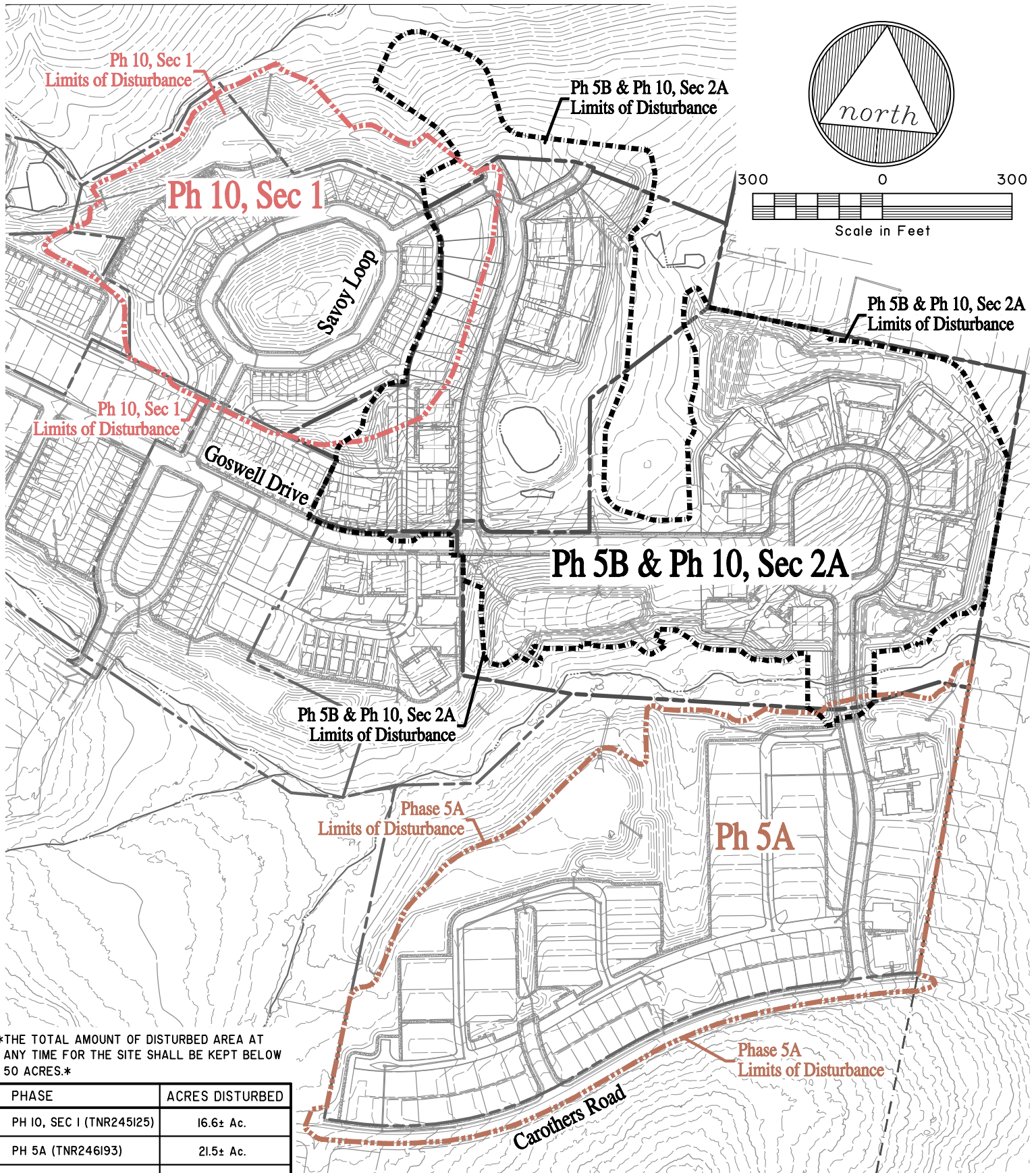
CAROTHERS CROSSING UDD



**Carothers Crossing UDO NPDES Permits (as of 02/04/24)**

Phase	Permit	Permit Status	Disturbed Area Permitted	Development Status
Phase 1	TNR143601	Inactive	-	Coverage Terminated 03-14-14
Ph 2 Sec 1		Inactive	-	Complete
Ph 2 Sec 2		Inactive	-	Complete
Ph 3 Sec 1		Inactive	-	Complete
Ph 3 Sec 2	TNR242073	Inactive	-	Coverage Terminated 02-11-22
Ph 3 Sec 3				
Ph 7 Sec 1	TNR243031	Inactive	-	Coverage Terminated 09-07-22
Ph 7 Sec 2	TNR244414	Inactive	-	Coverage Terminated 02-07-23
Ph 10 Sec 1	TNR245125	Active	16.6 Ac	Phase Stabilized and Platted – Building and Home Construction Continuing
Phase 5A	TNR246193	Active	21.5 Ac	Site Construction Underway
Ph 5B and Ph 10 Sec 2A	TNR247214	Proposed	27.5 Ac	Proposed

\* Total amount of disturbed area for the site shall be kept below 50 acres.  
 (See Project Phasing Section of SWPPP).



\*THE TOTAL AMOUNT OF DISTURBED AREA AT ANY TIME FOR THE SITE SHALL BE KEPT BELOW 50 ACRES.\*

PHASE	ACRES DISTURBED
PH 10, SEC 1 (TNR245125)	16.6± Ac.
PH 5A (TNR246193)	21.5± Ac.
PH 5B & PH 10, SEC 2A	27.5± Ac.
OVERLAP AREA W/ 5A	1.9± Ac.
NEW DISTURBED AREA	25.6± Ac.

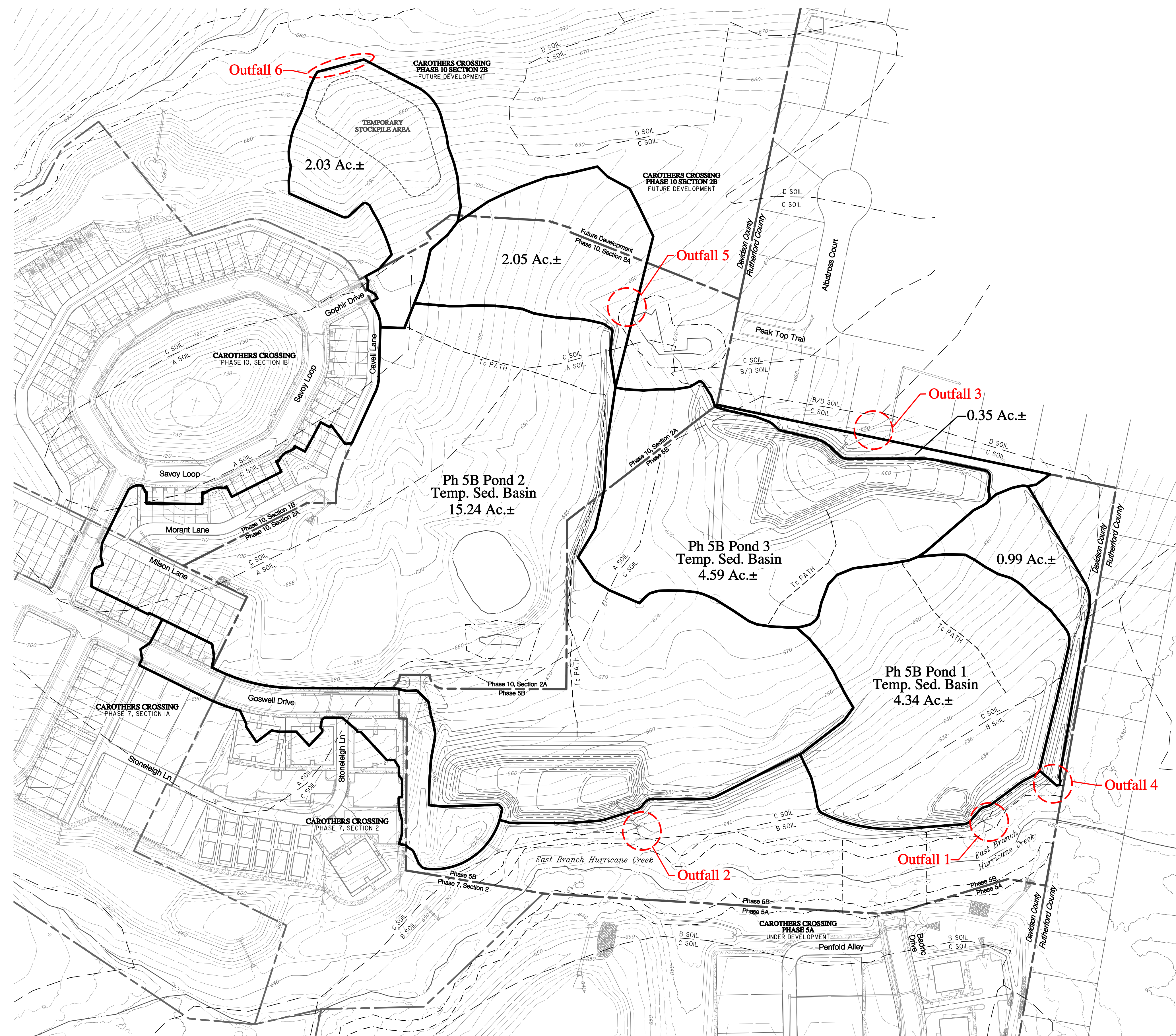
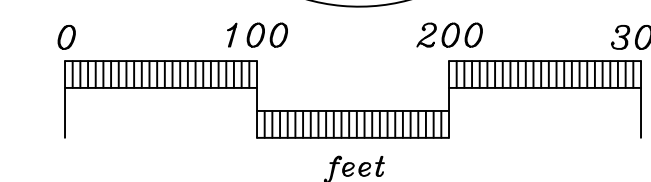
**NOTE:** PHASE 10, SECTION I HAS BEEN PLATTED. THIS PHASE IS STABILIZED WITH INDIVIDUAL HOMES AND BUILDINGS BEING CONSTRUCTED.

# Limits of Disturbance Exhibit

## Carothers Crossing

### Phase 5B and Phase 10, Section 2A





STAGE I - OUTFALL LOCATIONS			
OUTFALL	TOTAL ACRES	LATITUDE	LONGITUDE
1	4.34 Ac.±	35.9838 °	-86.6080 °
2	15.24 Ac.±	35.9836 °	-86.6102 °
3	4.94 Ac.±	35.9857 °	-86.6090 °
4	0.99 Ac.±	35.9840 °	-86.6076 °
5	2.05 Ac.±	35.9862 °	-86.6105 °
6	2.03 Ac.±	35.9873 °	-86.6124 °

Stage 1 - Drain Area Exhibit  
 Carothers Crossing  
 Phase 5B and Phase 10, Section 2A  
 02 - 02 - 24 ; 1" = 100'

### Total Required Volumes - Stage 1

$$\text{Area} = 4.34 \text{ Acres}$$

$$\begin{aligned} \text{Storage Volume} &= (67 \text{ Cu. Yds.}) \times (\text{Area}) \\ &= 7,851 \text{ Cubic Ft} \end{aligned}$$

$$\begin{aligned} \text{Settling Volume} &= (67 \text{ Cu. Yds.}) \times (\text{Area}) \\ &= 7,851 \text{ Cubic Ft} \end{aligned}$$

$$\text{Total Volume} = 15,702 \text{ Cubic Ft}$$

### Volumes Provided - Stage 1

#### Temp. Sed Pond :

$$\text{Storage Volume} = 7,851 \text{ Cubic Ft}$$

$$\text{Storage Elev.} = 633.58$$

$$\text{Forebay Volume} = 2,000 \text{ Cubic Ft}$$

$$\text{Settling Volume} = 5,851 \text{ Cubic Ft}$$

$$\text{Settling Elev.} = 634.29$$

$$\text{Total Volume} = 15,702 \text{ Cubic Ft}$$

*\* Elevations from Stage 2 to be used,  
providing extra storage in Stage 1. \**

### Temp Pond Perforated Riser Drawdown

$$\text{Pipe Dia.} = 1.5 \text{ Inch}$$

$$C_s = 0.611$$

$$\text{Avg. } h = 0.35 \text{ ft}$$

$$h_s = 0.71 \text{ ft}$$

$$\text{Orifice Dia.} = 0.5 \text{ Inch}$$

$$\text{Vertical Spacing} = 3.7 \text{ Inch}$$

$$\text{Horizontal Spacing} = 1.2 \text{ Inch}$$

$$\text{Perf. / Row} = 4$$

$$\text{No. of Rows} = 5$$

$$\text{No. Holes} = 20$$

$$A_s = 0.0273 \text{ sq. ft.}$$

*\* Elevations from Stage 2 to be used,  
providing extra storage in Stage 1. \**

$$\begin{aligned} \text{Avg. } Q &= C_s (2A_s / 3 h_s) (2g)^{1/2} h^{3/2} && (\text{McEntoe} - 1988) \\ &= 0.03 \text{ cfs} \end{aligned}$$

$$\begin{aligned} \text{Drawdown Time} &= \text{Settling Volume} / \text{Avg. } Q \\ &= 220959.5 \text{ seconds} \\ &= 61.4 \text{ Hours} \end{aligned}$$

### Total Required Volumes - Stage 1

Area = 15.24 Acres

Storage Volume = ( 67 Cu. Yds. ) x ( Area )  
= 27,569 Cubic Ft

Settling Volume = ( 67 Cu. Yds. ) x ( Area )  
= 27,569 Cubic Ft

Total Volume = 55,138 Cubic Ft

### Volumes Provided - Stage 1

#### Temp. Sed Pond :

Storage Volume = 27,569 Cubic Ft  
Storage Elev. = 645.08

*\* Elevations from Stage 2 to be used,  
providing extra storage in Stage 1. \**

Forebay Volume = 6,900 Cubic Ft

Settling Volume = 27,569 Cubic Ft  
Settling Elev. = 646.60

Total Volume = 55,138 Cubic Ft

### Temp Pond Perforated Riser Drawdown

Pipe Dia. = 2.0 Inch

$C_s = 0.611$

Avg. h = 0.76 ft

$h_s = 1.52$  ft

Orifice Dia. = 1.0 Inch

*\* Elevations from Stage 2 to be used,  
providing extra storage in Stage 1. \**

Vertical Spacing = 3.2 Inch

Horizontal Spacing = 2.1 Inch

Perf. / Row = 3

No. of Rows = 6

No. Holes = 18

$A_s = 0.0982$  sq. ft.

Avg. Q =  $C_s (2A_s / 3 h_s) (2g)^{1/2} h^{3/2}$  (McEntoe - 1988)  
= 0.14 cfs

Drawdown Time = Settling Volume / Avg. Q  
= 197102.9 seconds  
= 54.8 Hours

### Total Required Volumes - Stage 1

$$\text{Area} = 4.59 \text{ Acres}$$

$$\begin{aligned} \text{Storage Volume} &= (67 \text{ Cu. Yds.}) \times (\text{Area}) \\ &= 8,303 \text{ Cubic Ft} \end{aligned}$$

$$\begin{aligned} \text{Settling Volume} &= (67 \text{ Cu. Yds.}) \times (\text{Area}) \\ &= 8,303 \text{ Cubic Ft} \end{aligned}$$

$$\text{Total Volume} = 16,606 \text{ Cubic Ft}$$

### Volumes Provided - Stage 1

#### Temp. Sed Pond :

$$\text{Storage Volume} = 8,303 \text{ Cubic Ft}$$

$$\text{Storage Elev.} = 654.18$$

$$\text{Forebay Volume} = 2,100 \text{ Cubic Ft}$$

$$\text{Settling Volume} = 8,303 \text{ Cubic Ft}$$

$$\text{Settling Elev.} = 654.84$$

$$\text{Total Volume} = 16,606 \text{ Cubic Ft}$$

*\* Elevations from Stage 2 to be used,  
providing extra storage in Stage 1. \**

### Temp Pond Perforated Riser Drawdown

$$\text{Pipe Dia.} = 1.0 \text{ Inch}$$

$$C_s = 0.611$$

$$\text{Avg. } h = 0.33 \text{ ft}$$

$$h_s = 0.66 \text{ ft}$$

$$\text{Orifice Dia.} = 0.5 \text{ Inch}$$

$$\text{Vertical Spacing} = 0.7 \text{ Inch}$$

$$\text{Horizontal Spacing} = 1.1 \text{ Inch}$$

$$\text{Perf. / Row} = 3$$

$$\text{No. of Rows} = 11$$

$$\text{No. Holes} = 33$$

$$A_s = 0.0450 \text{ sq. ft.}$$

*\* Elevations from Stage 2 to be used,  
providing extra storage in Stage 2. \**

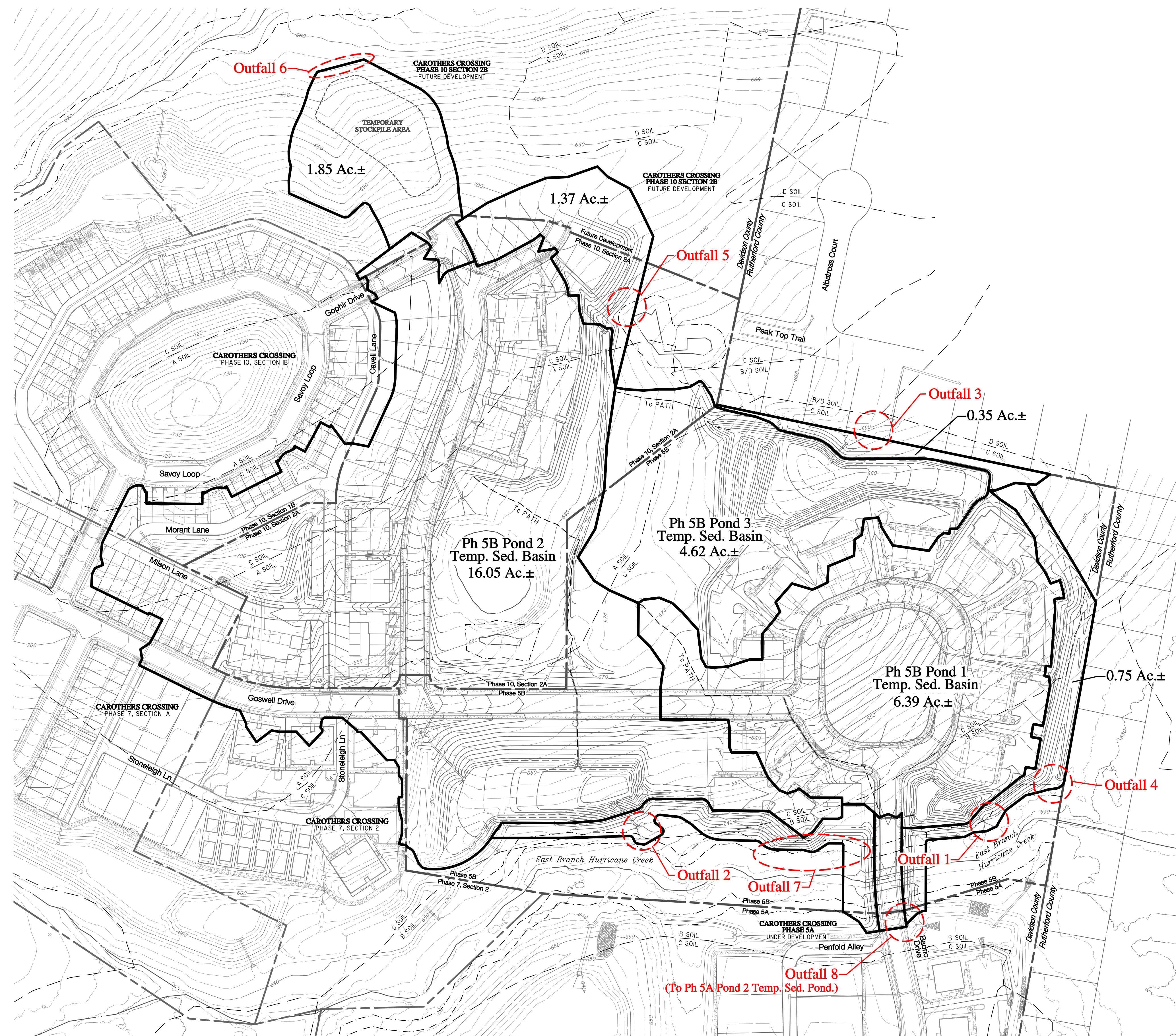
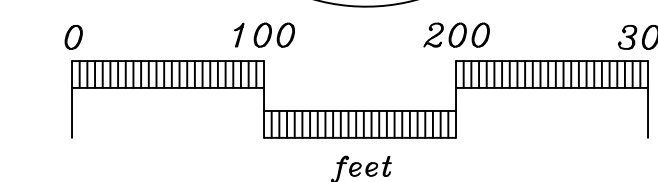
$$\text{Avg. } Q = C_s (2A_s / 3 h_s) (2g)^{1/2} h^{3/2} \quad (\text{McEntoe} - 1988)$$

$$= 0.04 \text{ cfs}$$

$$\text{Drawdown Time} = \text{Settling Volume} / \text{Avg. } Q$$

$$= 196276.7 \text{ seconds}$$

$$= 54.5 \text{ Hours}$$



STAGE 2 - OUTFALL LOCATIONS			
OUTFALL	TOTAL ACRES	LATITUDE	LONGITUDE
1	6.39 Ac.±	35.9838 °	-86.6080 °
2	16.05 Ac.±	35.9836 °	-86.6102 °
3	4.97 Ac.±	35.9857 °	-86.6090 °
4	0.75 Ac.±	35.9840 °	-86.6076 °
5	1.37 Ac.±	35.9862 °	-86.6105 °
6	1.85 Ac.±	35.9873 °	-86.6124 °
7	0.46 Ac.±	35.9836 °	-86.6091 °
8	0.24 Ac.±	35.9832 °	-86.6085 °

Stage 2 - Drain Area Exhibit  
**Carothers Crossing**  
 Phase 5B and Phase 10, Section 2A  
 02 - 02 - 24 ; 1" = 100'

### Total Required Volumes - Stage 2

Area = 6.39 Acres

Storage Volume = ( 67 Cu. Yds. ) x ( Area )  
= 11,560 Cubic Ft

Settling Volume = ( 67 Cu. Yds. ) x ( Area )  
= 11,560 Cubic Ft

Total Volume = 23,120 Cubic Ft

### Volumes Provided - Stage 2

#### Temp. Sed Pond :

Storage Volume = 11,560 Cubic Ft  
Storage Elev. = 636.07

Forebay Volume = 4,200 Cubic Ft

Settling Volume = 7,360 Cubic Ft  
Settling Elev. = 637.30

Total Volume = 23,120 Cubic Ft

### Temp Pond Perforated Riser Drawdown

Pipe Dia. = 1.5 Inch

$C_s = 0.611$

Avg. h = 0.62 ft

$h_s = 1.23$  ft

Orifice Dia. = 0.5 Inch

Vertical Spacing = 3.0 Inch

Horizontal Spacing = 1.2 Inch

Perf. / Row = 4

No. of Rows = 5

No. Holes = 20

$A_s = 0.0273$  sq. ft.

Avg. Q =  $C_s (2A_s / 3 h_s) (2g)^{1/2} h^{3/2}$  (McEntoe - 1988)  
= 0.03 cfs

Drawdown Time = Settling Volume / Avg. Q  
= 210497.2 seconds  
= 58.5 Hours

### **Total Required Volumes - Stage 2**

---

Area = 16.05 Acres

**Storage Volume** = ( 67 Cu. Yds. ) x ( Area )  
= 29,034 Cubic Ft

**Settling Volume** = ( 67 Cu. Yds. ) x ( Area )  
= 29,034 Cubic Ft

**Total Volume** = 58,068 Cubic Ft

### **Volumes Provided - Stage 2**

---

#### **Temp. Sed Pond :**

Storage Volume = 29,034 Cubic Ft  
Storage Elev. = 645.17

Forebay Volume = 7,300 Cubic Ft

Settling Volume = 29,034 Cubic Ft  
Settling Elev. = 646.75

**Total Volume** = 58,068 Cubic Ft

### **Temp Pond Perforated Riser Drawdown**

---

Pipe Dia. = 2.0 Inch

$C_s$  = 0.611

Avg. h = 0.79 ft

$h_s$  = 1.58 ft

Orifice Dia. = 1.0 Inch

Vertical Spacing = 3.2 Inch

Horizontal Spacing = 2.1 Inch

Perf. / Row = 3

No. of Rows = 6

No. Holes = 18

$A_s$  = 0.0982 sq. ft.

Avg. Q =  $C_s (2A_s / 3 h_s) (2g)^{1/2} h^{3/2}$  (McEntoe - 1988)  
= 0.14 cfs

Drawdown Time = Settling Volume / Avg. Q  
= 203546.8 seconds  
= 56.5 Hours

### **Total Required Volumes - Stage 2**

---

Area = 4.62 Acres

**Storage Volume** = ( 67 Cu. Yds. ) x ( Area )  
= 8,358 Cubic Ft

**Settling Volume** = ( 67 Cu. Yds. ) x ( Area )  
= 8,358 Cubic Ft

**Total Volume** = 16,716 Cubic Ft

### **Volumes Provided - Stage 2**

---

#### **Temp. Sed Pond :**

Storage Volume = 8,358 Cubic Ft  
Storage Elev. = 654.18

Forebay Volume = 2,100 Cubic Ft

Settling Volume = 8,358 Cubic Ft  
Settling Elev. = 654.85

**Total Volume** = 16,716 Cubic Ft

### **Temp Pond Perforated Riser Drawdown**

---

Pipe Dia. = 1.0 Inch

$C_s$  = 0.611

Avg. h = 0.33 ft

$h_s$  = 0.67 ft

Orifice Dia. = 0.5 Inch

Vertical Spacing = 0.7 Inch

Horizontal Spacing = 1.1 Inch

Perf. / Row = 3

No. of Rows = 11

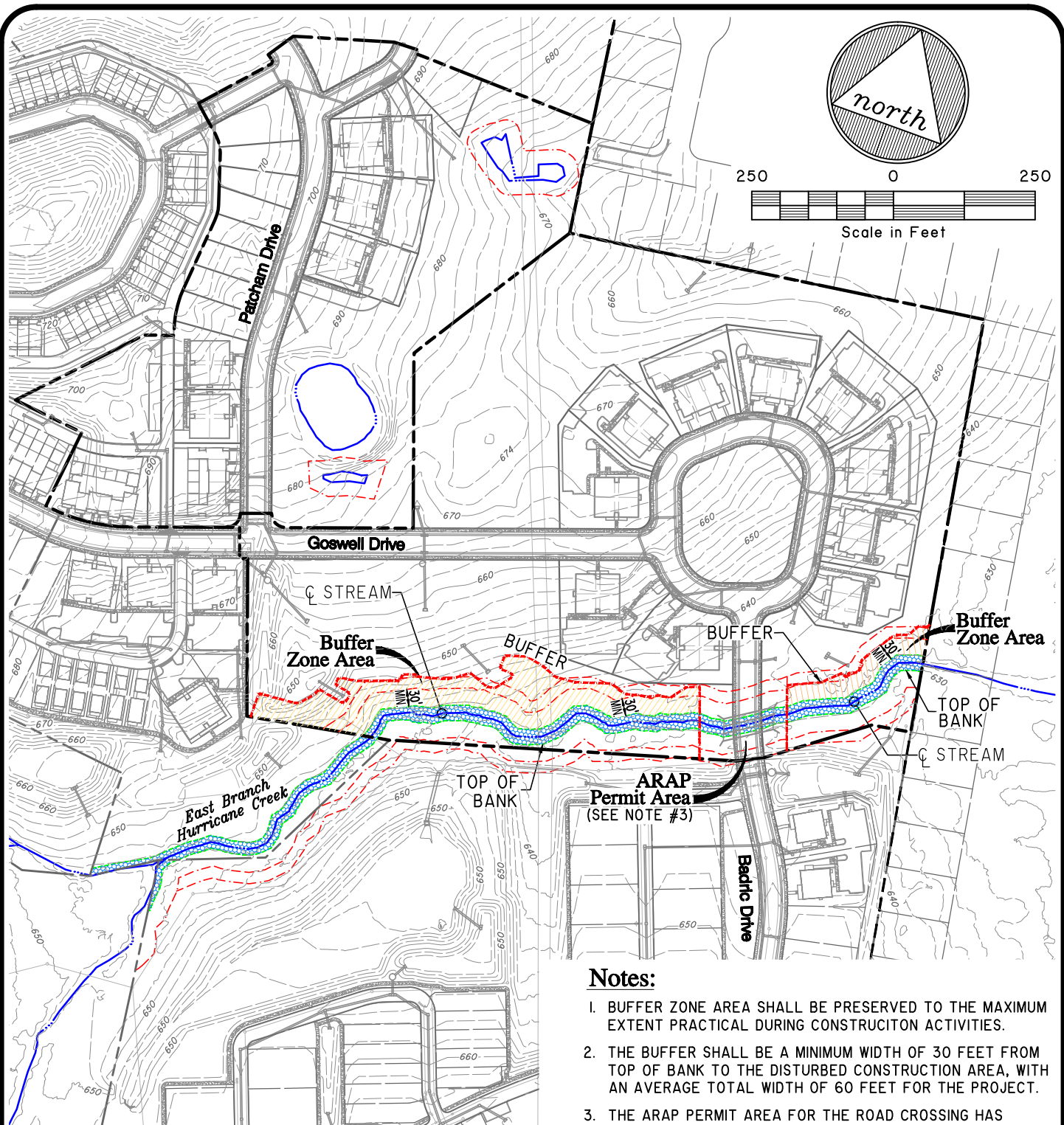
No. Holes = 33

$A_s$  = 0.0450 sq. ft.

Avg. Q =  $C_s (2A_s / 3 h_s) (2g)^{1/2} h^{3/2}$  (McEntoe - 1988)  
= 0.04 cfs

Drawdown Time = Settling Volume / Avg. Q  
= 196925.7 seconds  
= 54.7 Hours





**Notes:**

1. BUFFER ZONE AREA SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICAL DURING CONSTRUCTION ACTIVITIES.
2. THE BUFFER SHALL BE A MINIMUM WIDTH OF 30 FEET FROM TOP OF BANK TO THE DISTURBED CONSTRUCTION AREA, WITH AN AVERAGE TOTAL WIDTH OF 60 FEET FOR THE PROJECT.
3. THE ARAP PERMIT AREA FOR THE ROAD CROSSING HAS BEEN EXCLUDED FROM THE STREAM LENGTH AND AVERAGE BUFFER WIDTH CALCULATIONS. THIS AREA IS COVERED UNDER ARAP PERMIT NO. NR2204.288 AND NR2304.301.

**Average Width:**

LENGTH OF STREAM IN BUFFER	= 916 LINEAR FEET
BUFFER AREA	= 55,120 SQ. FT.
AVERAGE WIDTH	= 55,120 / 916
	= 60.2 FT.

**Anderson, Delk, Epps & Associates, Inc.**

618 Grassmere Park Drive, Suite 4  
 Nashville, Tennessee 37211  
 (615) 331-0809

**Buffer Zone Exhibit  
 Carothers Crossing  
 Ph 5B and Ph 10, Sec 2A**

02 - 05 - 24 ; 1" = 250'



**STATE OF TENNESSEE**  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**  
**DIVISION OF WATER RESOURCES**

Nashville Environmental Field Office  
711 R.S. Gass Boulevard  
Nashville, TN 37216  
Phone 615-687-7000    Statewide 1-888-891-8332    Fax 615-687-7078

April 25, 2022

David McGowan  
6901 Lenox Village Drive,  
Suite 107 Nashville, TN  
37211 615-333-9000  
[davidmcgowan@regenthomestn.com](mailto:davidmcgowan@regenthomestn.com)

Re: Hydrologic Determination (DWR ID No.31057)  
Carothers Crossing, Phases 5A, 5B, and 10-Section 2A,  
Nashville, Davidson County, Tennessee

Dear Landowner:

On March 14, 2022, the Division of Water Resources (division) received a jurisdictional waters report submitted on your behalf by Silas Mathes with, BDY Environmental LLC. These water features are located on property located at: 35.984833, -86.611243 (Lat/Long), in Nashville, Davidson County, Tennessee. Please note that all geographic coordinates provided in this letter have a limited precision and should be considered approximate.

Please see the attached map and table for a summary of the jurisdictional determinations made by the division for the water features on site. These determinations are based on the information and documentation in the submitted report as well as the division's observations, rules, and guidance regarding hydrologic determinations.

Alterations to streams, wetlands, or other waters may only be performed under the coverage of, and conformance to, a valid *Aquatic Resource Alteration Permit (ARAP)* issued by the division, except where authorized by Rule. ARAP applications and provisions are available on-line at <http://www.tn.gov/environment/article/permit-water-aquatic-resource-alteration-permit>.

Any alterations to wet weather conveyances must be made in accordance with the requirements of Tenn. Code Ann. § 69-3-108(q).

Hydrologic determinations are advised and governed by Tennessee Department of Environment and Conservation (TDEC) rules and regulations, and therefore only apply to the State's

April 25, 2022

Page 2 of 11

permitting process. Because these and other various water features on-site may potentially also be considered jurisdictional Waters of the United States, any alterations to them should only be performed after consultation with the U.S. Army Corps of Engineers.

Discharges and alterations to sinkholes may require the submittal of an application and written authorization under the provisions of TDEC Rules. You may contact Mr. Brian Ham at (615) 532- 9224 to help identify permit requirements related to sinkhole alterations.

If the disturbed area of this project is one acre or greater, coverage under the *General NPDES Permit for Stormwater Discharges from Construction Activities (CGP)* will be required from this division before any clearing or earth moving activities are started. Information on the construction stormwater permit is available online at <http://www.tn.gov/environment/article/permit-water-npdes-stormwater-construction-permit>.

I appreciate the opportunity to assess the water features on site prior to site plan finalization and initiation of construction activities. Because natural variation and human activities can alter hydrologic conditions, the division reserves the right to reassess the status of the water features in the future.

Thank you for your interest in water quality in Tennessee. If you have any questions or need additional information, please contact me at 615-714-0730 or by email at [Virginia.Lawrence@tn.gov](mailto:Virginia.Lawrence@tn.gov).

Sincerely,

A handwritten signature in cursive script, appearing to read "Virginia Lawrence".

Division of Water Resources

cc:

U.S. Army Corp of Engineers, [NashvilleRegulatory@usace.army.mil](mailto:NashvilleRegulatory@usace.army.mil)  
Michael Hunt, Davidson County MS4, [michael.hunt@nashville.gov](mailto:michael.hunt@nashville.gov)

<b>Feature Name</b>	<b>Classification</b>	<b>Lat/Long Start</b>	<b>Lat/Long End</b>
D-1	Stream	35.982581, -86.611935	35.983838, -86.607611
D-2	Wet Weather Conveyance	35.983137, -86.61043	35.983388, -86.610213
D-3	Wet Weather Conveyance	35.986219, -86.610917	35.986176, -86.610652
WTL-A	Wetland	35.986159, -86.610434	
WTL-B	Wetland	35.984464, -86.611223	
ISOPND-A	Not waters of the State	35.984833, -86.611243	
ISOPND-B	Not waters of the State	35.984525, -86.61201	



Figure 2. Aquatic Resources Overview Map.  
 Carothers Crossing, Phases 5A, 5B, and 10-Section 2A  
 Carothers Road  
 Nashville, Davidson County, Tennessee

**BDY** NATURAL SCIENCES CONSULTANTS  
 1807 Woodwood Drive, Nashville, Tennessee | 615-860-9797 | www.bdy.com

- Isolated Pond
- Wetland Pit
- TDEC WWC/USACE Ephemeral Drainage
- TDEC and USACE Perennial Stream
- Not Assessed
- Delineated Wetland
- Isolated, Non-Jurisdictional Farm Pond
- Stormwater Pond (Not Jurisdictional)
- Approximate Site Boundary

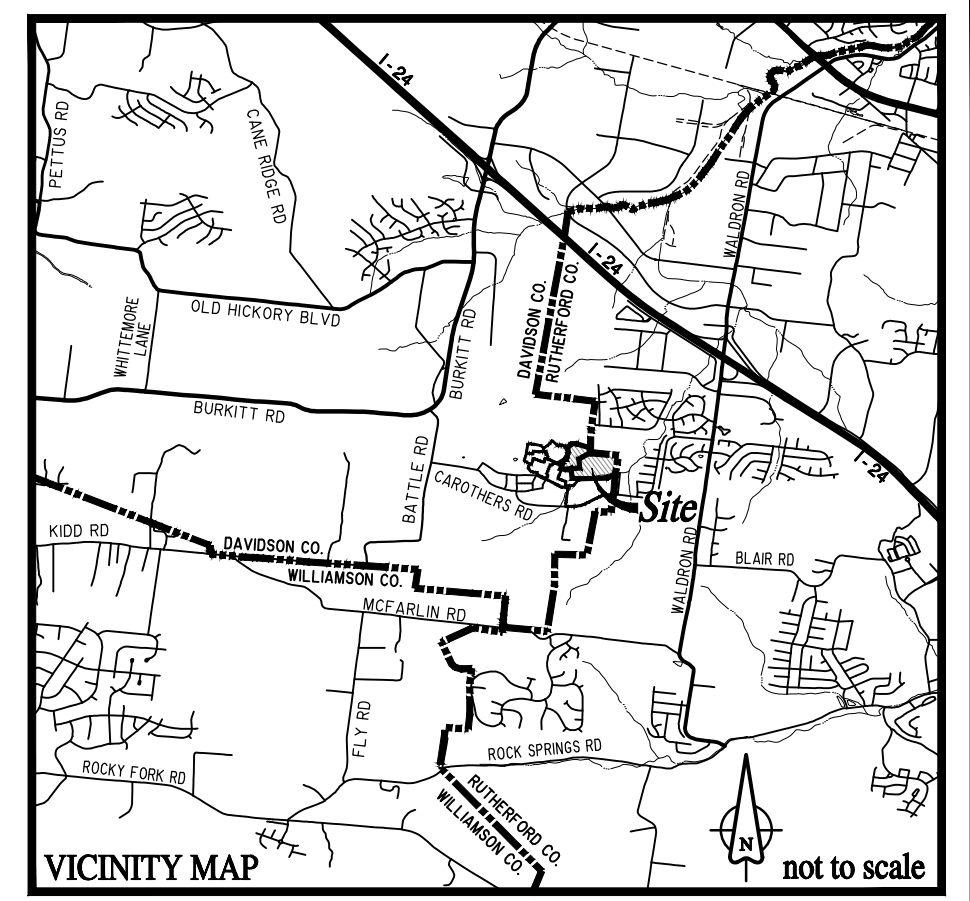
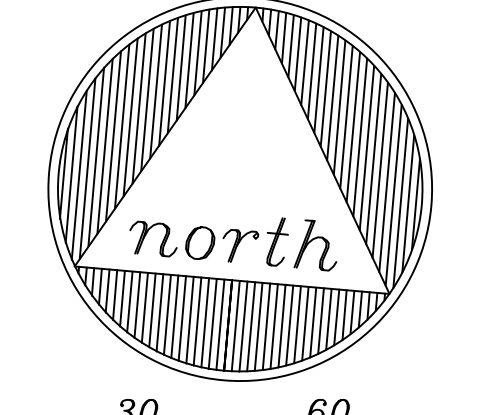
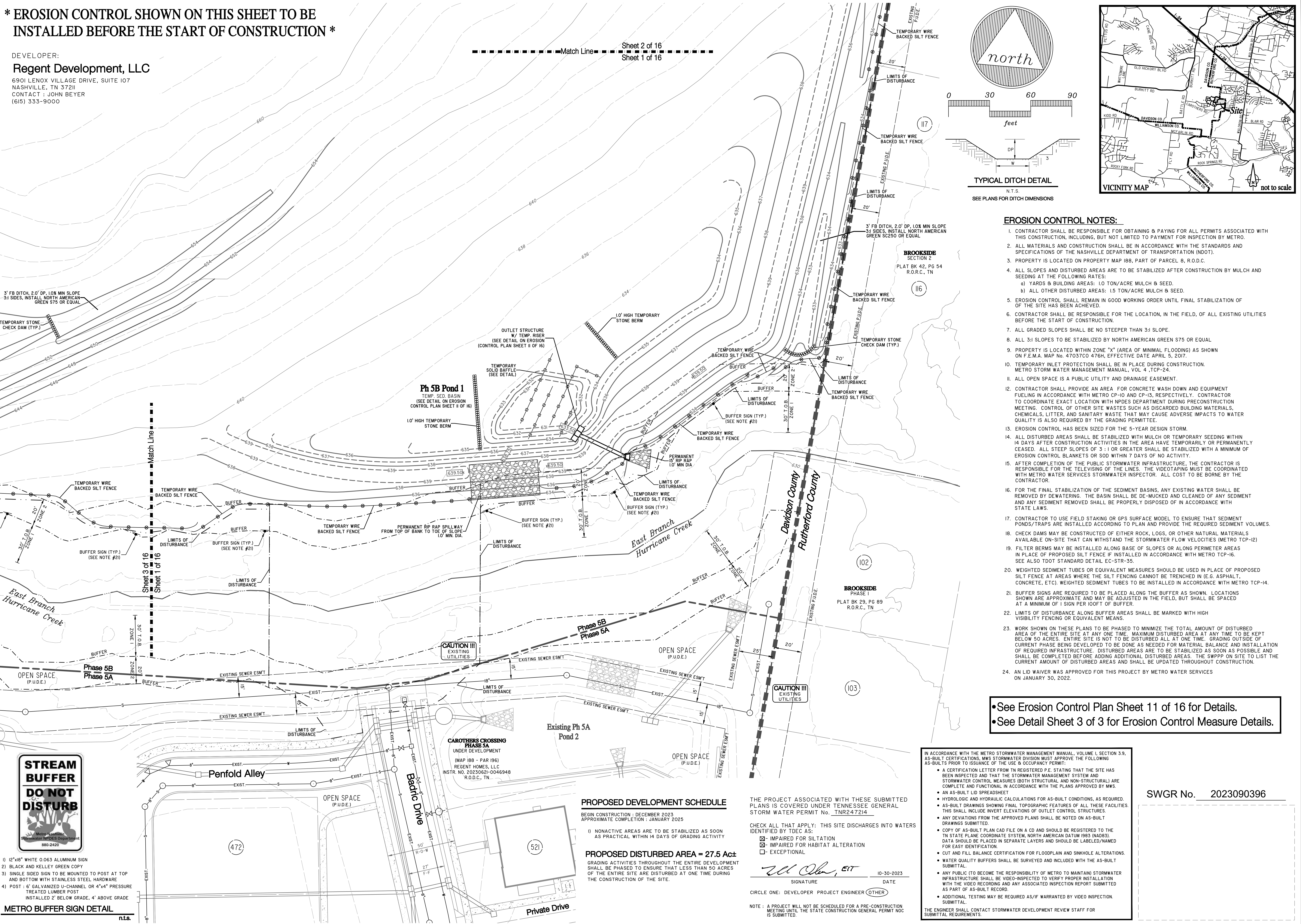


Date: 3/11/2022  
 NAD 1983 2011 StatePlane Tennessee FIPS 4100 F1 US  
 86.60095°W 35.98347°N  
 Prepared for: Anderson Delt Eggs  
 Prepared by: SJKM  
 Sources: BDY Site Visits on 4/11/2022 and 4/17/2022

**\* EROSION CONTROL SHOWN ON THIS SHEET TO BE INSTALLED BEFORE THE START OF CONSTRUCTION \***

DEVELOPER:  
**Regent Development, LLC**  
 6901 LENOX VILLAGE DRIVE, SUITE 107  
 NASHVILLE, TN 37211  
 CONTACT : JOHN BEYER  
 (615) 333-9000

Match Line Sheet 2 of 16 Sheet 1 of 16



**EROSION CONTROL NOTES:**

- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING & PAYING FOR ALL PERMITS ASSOCIATED WITH THIS CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO PAYMENT FOR INSPECTION BY METRO.
- ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE NASHVILLE DEPARTMENT OF TRANSPORTATION (INDOT).
- PROPERTY IS LOCATED ON PROPERTY MAP 188, PART OF PARCEL 8, R.O.D.C.
- ALL SLOPES AND DISTURBED AREAS ARE TO BE STABILIZED AFTER CONSTRUCTION BY MULCH AND SEEDING AT THE FOLLOWING RATES:
  - a) YARDS & BUILDING AREAS: 10 TON/ACRE MULCH & SEED.
  - b) ALL OTHER DISTURBED AREAS: 15 TON/ACRE MULCH & SEED.
- EROSION CONTROL SHALL REMAIN IN GOOD WORKING ORDER UNTIL FINAL STABILIZATION OF THE SITE HAS BEEN ACHIEVED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, IN THE FIELD, OF ALL EXISTING UTILITIES BEFORE THE START OF CONSTRUCTION.
- ALL GRADED SLOPES SHALL BE NO STEEPER THAN 3:1 SLOPE.
- ALL 3:1 SLOPES TO BE STABILIZED BY NORTH AMERICAN GREEN S75 OR EQUAL.
- PROPERTY IS LOCATED WITHIN ZONE "X" (AREA OF MINIMAL FLOODING) AS SHOWN ON F.E.M.A. MAP No. 47037C0 476H, EFFECTIVE DATE APRIL 5, 2017.
- TEMPORARY INLET PROTECTION SHALL BE IN PLACE DURING CONSTRUCTION. METRO STORM WATER MANAGEMENT MANUAL, VOL. 4, TCP-24.
- ALL OPEN SPACE IS A PUBLIC UTILITY AND DRAINAGE EASEMENT.
- CONTRACTOR SHALL PROVIDE AN AREA FOR CONCRETE WASH DOWN AND EQUIPMENT FUELING IN ACCORDANCE WITH METRO CP-10 AND CP-13, RESPECTIVELY. CONTRACTOR TO COORDINATE EXACT LOCATION WITH METRO DEPARTMENT DURING PRECONSTRUCTION MEETING. CONTROL OF OTHER SITE WASTES SUCH AS DISCARDED BUILDING MATERIALS, CHEMICALS, LITTER, AND SANITARY WASTE THAT MAY CAUSE ADVERSE IMPACTS TO WATER QUALITY IS ALSO REQUIRED BY THE GRADING PERMITTEE.
- EROSION CONTROL HAS BEEN SIZED FOR THE 5-YEAR DESIGN STORM.
- ALL DISTURBED AREAS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITIES IN THE AREA HAVE TEMPORARILY OR PERMANENTLY CEASED. ALL STEEP SLOPES OF 3:1 OR GREATER SHALL BE STABILIZED WITH A MINIMUM OF EROSION CONTROL BLANKETS OR SOOT WITHIN 7 DAYS OF NO ACTIVITY.
- AFTER COMPLETION OF THE PUBLIC STORMWATER INFRASTRUCTURE, THE CONTRACTOR IS RESPONSIBLE FOR THE TELEVISIONING OF THE LINES. THE VIDEO TAPING MUST BE COORDINATED WITH METRO WATER SERVICES STORMWATER INSPECTOR. ALL COST TO BE BORNE BY THE CONTRACTOR.
- FOR THE FINAL STABILIZATION OF THE SEDIMENT BASINS, ANY EXISTING WATER SHALL BE REMOVED BY DEWATERING. THE BASIN SHALL BE DE-MUCKED AND CLEANED OF ANY SEDIMENT AND ANY SEDIMENT REMOVED SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH STATE LAWS.
- CONTRACTOR TO USE FIELD STAKING OR GPS SURFACE MODEL TO ENSURE THAT SEDIMENT PONDS/TRAPS ARE INSTALLED ACCORDING TO PLAN AND PROVIDE THE REQUIRED SEDIMENT VOLUMES.
- CHECK DAMS MAY BE CONSTRUCTED OF EITHER ROCK, LOGS, OR OTHER NATURAL MATERIALS AVAILABLE ON-SITE THAT CAN WITHSTAND THE STORMWATER FLOW VELOCITIES (METRO TCP-12).
- FILTER BERMS MAY BE INSTALLED ALONG BASE OF SLOPES OR ALONG PERIMETER AREAS IN PLACE OF PROPOSED SILT FENCE IF INSTALLED IN ACCORDANCE WITH METRO TCP-16. SEE ALSO TDOT STANDARD DETAIL EC-STR-35.
- WEIGHTED SEDIMENT TUBES OR EQUIVALENT MEASURES SHOULD BE USED IN PLACE OF PROPOSED SILT FENCE AT AREAS WHERE THE SILT FENCING CANNOT BE TRENCHED IN (E.G. ASPHALT, CONCRETE, ETC). WEIGHTED SEDIMENT TUBES TO BE INSTALLED IN ACCORDANCE WITH METRO TCP-14.
- BUFFER SIGNS ARE REQUIRED TO BE PLACED ALONG THE BUFFER AS SHOWN. LOCATIONS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD, BUT SHALL BE SPACED AT A MINIMUM OF 1 SIGN PER 100 FT OF BUFFER.
- LIMITS OF DISTURBANCE ALONG BUFFER AREAS SHALL BE MARKED WITH HIGH VISIBILITY FENCING OR EQUIVALENT MEANS.
- WORK SHOWN ON THESE PLANS TO BE PHASED TO MINIMIZE THE TOTAL AMOUNT OF DISTURBED AREAS OF THE ENTIRE SITE AT ANY ONE TIME. MAXIMUM DISTURBED AREA AT ANY TIME TO BE KEPT BELOW 50 ACRES. ENTIRE SITE IS NOT TO BE DISTURBED ALL AT ONE TIME. GRADING OUTSIDE OF CURRENT PHASE BEING DEVELOPED TO BE DONE AS NEEDED FOR MATERIAL BALANCE AND INSTALLATION OF REQUIRED INFRASTRUCTURE. DISTURBED AREAS ARE TO BE STABILIZED AS SOON AS POSSIBLE AND SHALL BE COMPLETED BEFORE ADDING ADDITIONAL DISTURBED AREAS. THE SWPPP ON SITE TO LIST THE CURRENT AMOUNT OF DISTURBED AREAS AND SHALL BE UPDATED THROUGHOUT CONSTRUCTION.
- AN LID WAIVER WAS APPROVED FOR THIS PROJECT BY METRO WATER SERVICES ON JANUARY 30, 2022.

• See Erosion Control Plan Sheet 11 of 16 for Details.  
 • See Detail Sheet 3 of 3 for Erosion Control Measure Details.



- 12"x18" WHITE 0.063 ALUMINUM SIGN
- BLACK AND KELLEY GREEN COPY
- SINGLE SIDED SIGN TO BE MOUNTED TO POST AT TOP AND BOTTOM WITH STAINLESS STEEL HARDWARE
- POST: 6" GALVANIZED U-CHANNEL OR 4"x4" PRESSURE TREATED LUMBER POST INSTALLED 2' BELOW GRADE, 4" ABOVE GRADE

**METRO BUFFER SIGN DETAIL**  
 n.t.s.

**PROPOSED DEVELOPMENT SCHEDULE**

BEGIN CONSTRUCTION : DECEMBER 2023  
 APPROXIMATE COMPLETION : JANUARY 2025

- 1) INACTIVE AREAS ARE TO BE STABILIZED AS SOON AS PRACTICAL WITHIN 14 DAYS OF GRADING ACTIVITY

**PROPOSED DISTURBED AREA = 27.5 Ac±**

GRADING ACTIVITIES THROUGHOUT THE ENTIRE DEVELOPMENT SHALL BE PHASED TO ENSURE THAT LESS THAN 50 ACRES OF THE ENTIRE SITE ARE DISTURBED AT ONE TIME DURING THE CONSTRUCTION OF THE SITE.

THE PROJECT ASSOCIATED WITH THESE SUBMITTED PLANS IS COVERED UNDER TENNESSEE GENERAL STORM WATER PERMIT No. TNR247214

CHECK ALL THAT APPLY: THIS SITE DISCHARGES INTO WATERS IDENTIFIED BY TDEC AS:

- IMPAIRED FOR SILTATION
- IMPAIRED FOR HABITAT ALTERATION
- EXCEPTIONAL

*John Olin, EIT*  
 SIGNATURE DATE 10-30-2023

CIRCLE ONE: DEVELOPER PROJECT ENGINEER OTHER

NOTE: A PROJECT WILL NOT BE SCHEDULED FOR A PRE-CONSTRUCTION MEETING UNTIL THE STATE CONSTRUCTION GENERAL PERMIT NOC IS SUBMITTED.

IN ACCORDANCE WITH THE METRO STORMWATER MANAGEMENT MANUAL, VOLUME I, SECTION 3.9, AS-BUILT CERTIFICATIONS, MWS STORMWATER DIVISION MUST APPROVE THE FOLLOWING AS-BUILTS PRIOR TO ISSUANCE OF THE USE & OCCUPANCY PERMIT:

- A CERTIFICATION LETTER FROM TN REGISTERED P.E. STATING THAT THE SITE HAS BEEN INSPECTED AND THAT THE STORMWATER MANAGEMENT SYSTEM AND STORMWATER CONTROL MEASURES (BOTH STRUCTURAL AND NON-STRUCTURAL) ARE COMPLETE AND FUNCTIONAL IN ACCORDANCE WITH THE PLANS APPROVED BY MWS.
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- ADDITIONAL TESTING MAY BE REQUIRED AS/IF WARRANTED BY VIDEO INSPECTION.

THE ENGINEER SHALL CONTACT STORMWATER DEVELOPMENT REVIEW STAFF FOR SUBMITTAL REQUIREMENTS.

SWGR No. 2023090396

**EROSION CONTROL PLAN**

REVISIONS: 02-02-24 AS PER METRO WATER SERVICES

**Regent Development, LLC**  
DEVELOPER

**Anderson, Delk, Eggs & Associates Inc.**  
ENGINEERING/PLANNING/SURVEYING  
618 GRASSMERE PARK DRIVE / SUITE 4  
NASHVILLE, TENNESSEE 37211

**Carothers Crossing**  
33rd Council District  
Nashville, Tennessee

PHASES 5B AND 10 SECTION 2A  
2005UD-003-007

STAGE 1 - INITIAL  
EROSION CONTROL

DATE : 10-30-23

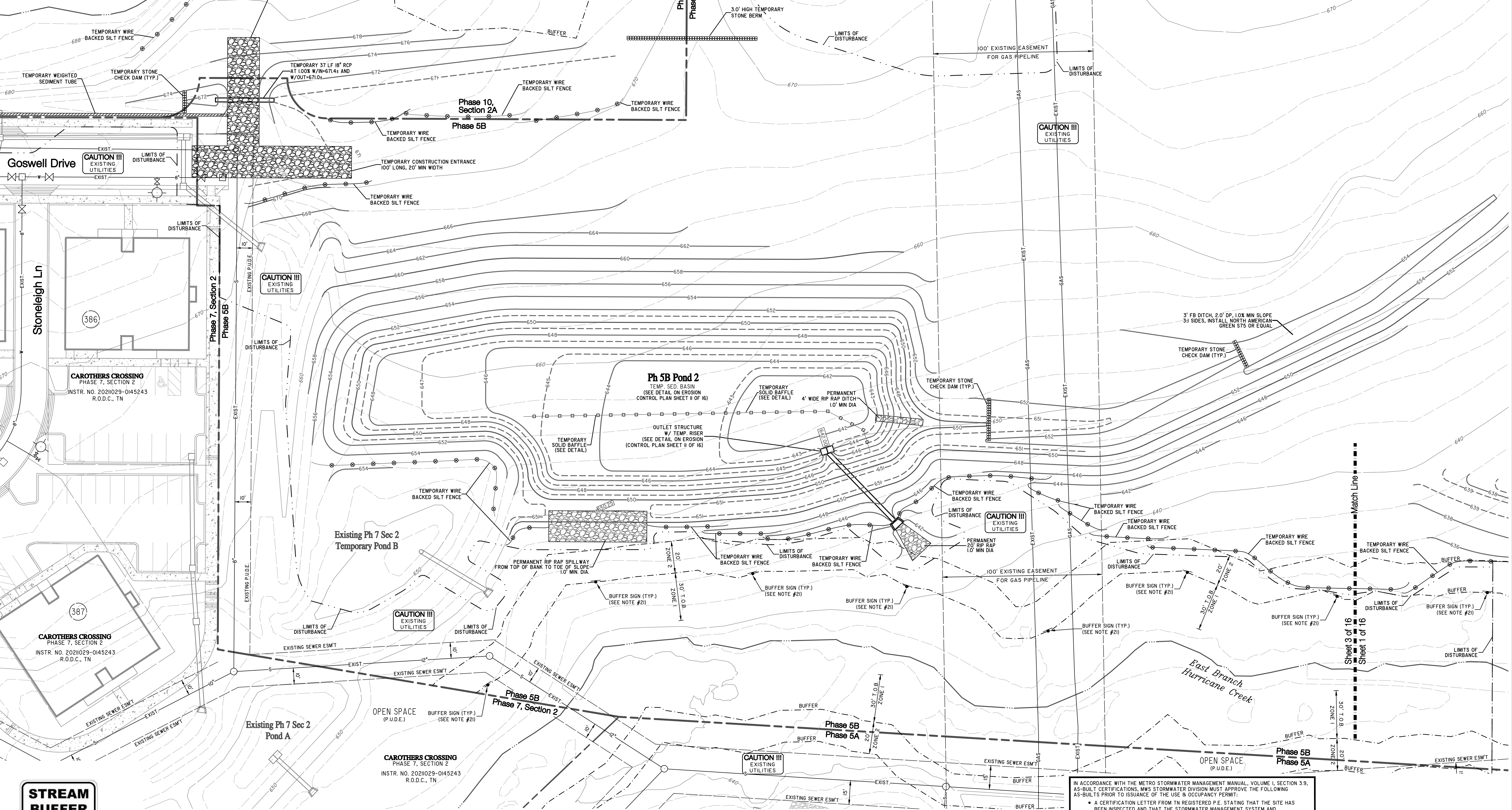
JOB No. 17 - 130

SHEET 1 OF 16



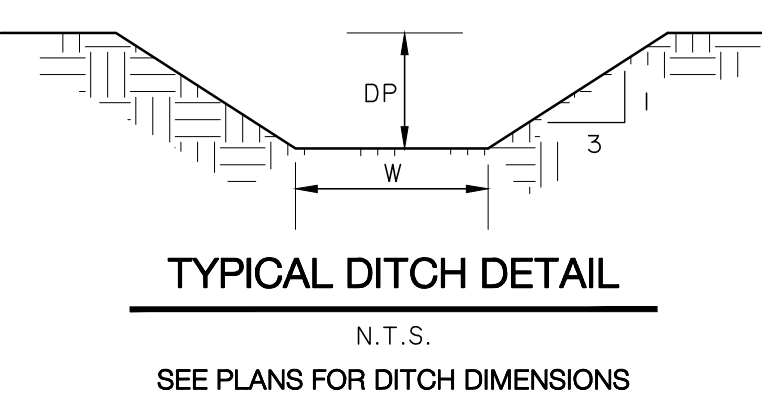
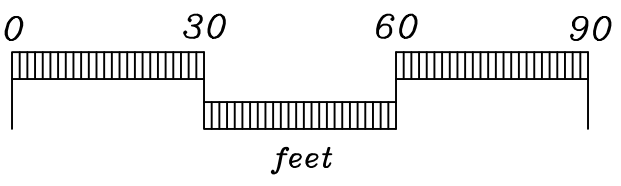
- THE AREA SHALL BE DEMUCKED AND EXCAVATED TO SUITABLE MATERIAL.
- FILL/COMPACT THE AREA WITH SUITABLE MATERIAL IN 8 INCH LIFTS OR AS PER A GEOTECHNICAL ENGINEER.
- REMOVAL/FILLING OF THE AREA SHALL BE MONITORED BY A GEOTECHNICAL ENGINEER.

ISOLATED FARM POND (NON-JURISDICTIONAL)  
(PER HD - TDEC DWR ID No. 3057)  
\*TO BE REMOVED/FILLED\*



- 1) 12"x18" WHITE 0.063 ALUMINUM SIGN
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METRO BUFFER SIGN DETAIL  
n.t.s.



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CONTACT : JOHN BEYER  
(615) 333-9000

**\* EROSION CONTROL SHOWN ON THIS SHEET TO BE INSTALLED BEFORE THE START OF CONSTRUCTION \***

- See Erosion Control Plan Sheet 1 of 16 for Notes.
- See Erosion Control Plan Sheet 11 of 16 for Details.
- See Detail Sheet 3 of 3 for Erosion Control Measure Details.

IN ACCORDANCE WITH THE METRO STORMWATER MANAGEMENT MANUAL, VOLUME I, SECTION 3.9, AS-BUILT CERTIFICATIONS, MWS STORMWATER DIVISION MUST APPROVE THE FOLLOWING AS-BUILT'S PRIOR TO ISSUANCE OF THE USE & OCCUPANCY PERMIT:

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SWGR No. 2023090396

**EROSION CONTROL PLAN**

REVISIONS: 02-02-24 AS PER METRO WATER SERVICES

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**Carothers Crossing**  
33rd Council District  
Nashville, Tennessee

PHASES 5B AND 10 SECTION 2A  
2005UD-003-007

STAGE 1 - INITIAL EROSION CONTROL

DATE : 10-30-23

JOB No. 17-130

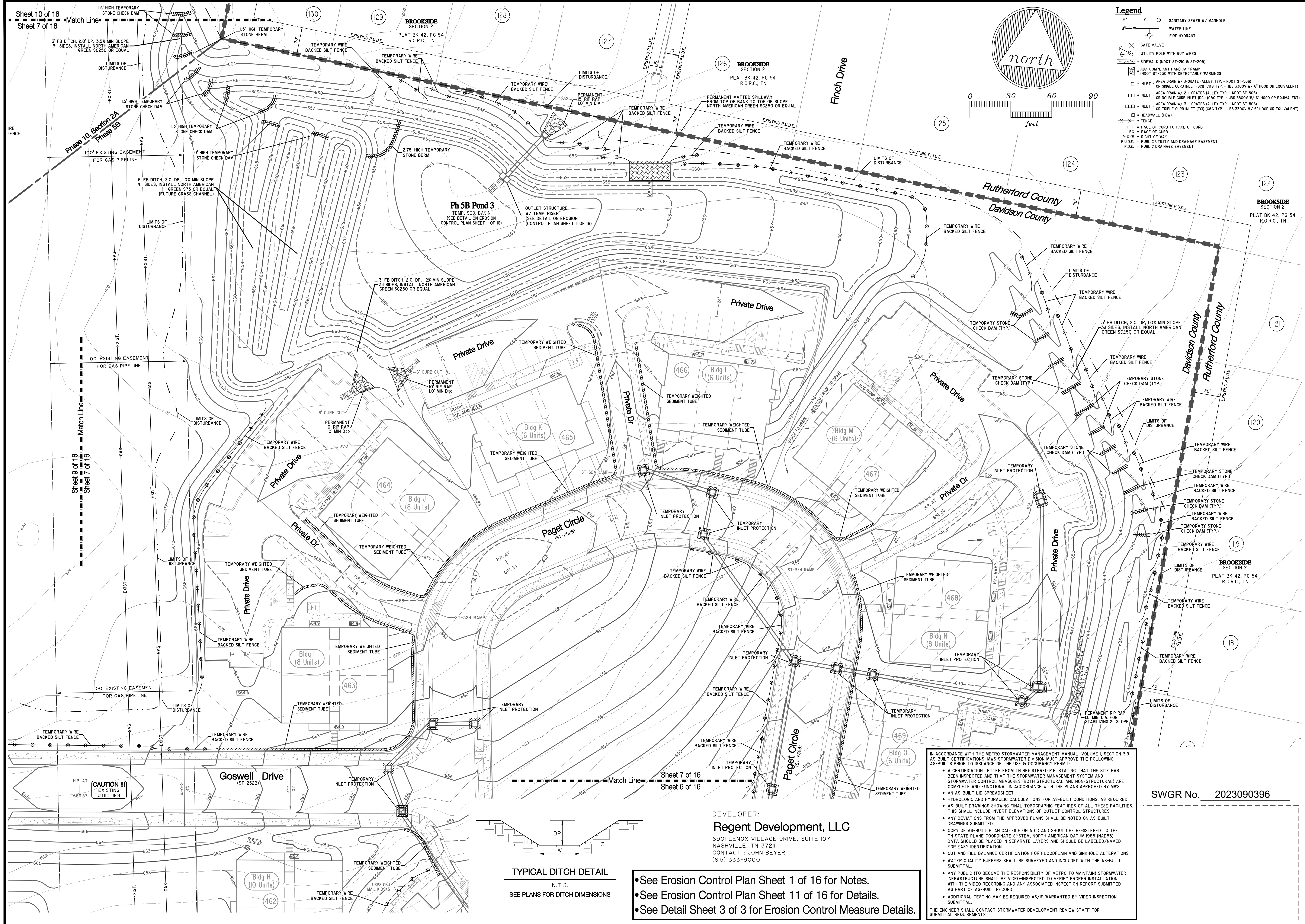
SHEET 3 OF 16





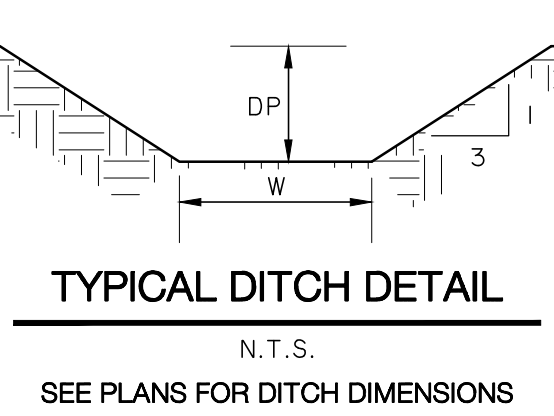
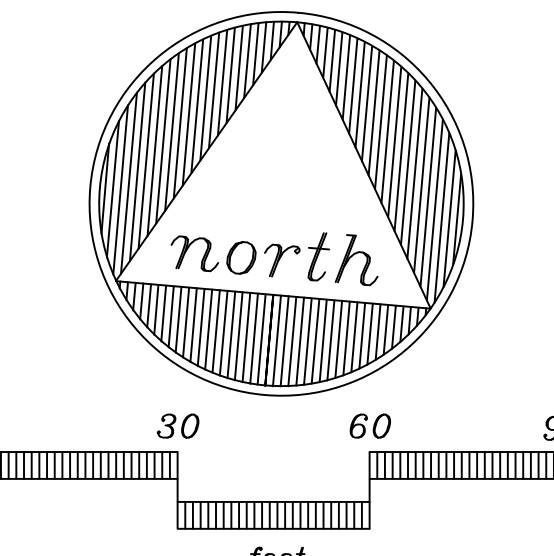






**Legend**

- Sanitary Sewer w/ Manhole
- Water Line
- Fire Hydrant
- Gate Valve
- Utility Pole with Guy Wires
- ADA Compliant Handicap Ramp
- Area Drain w/ J-Grate (Alley TYP. - NDOT ST-506) OR SINGLE CURB INLET (C&G TYP. - JBS 3300V W/ 6" HOOD OR EQUIVALENT)
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- Headwall (HW)
- Fence
- Face of curb to face of curb
- Face of curb
- Right of Way
- Public Utility and Drainage Easement
- Public Drainage Easement



• See Erosion Control Plan Sheet 1 of 16 for Notes.  
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 • See Detail Sheet 3 of 3 for Erosion Control Measure Details.

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SWGR No. 2023090396

**EROSION CONTROL PLAN**

REVISIONS: 02-02-24 AS PER METRO WATER SERVICES

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33rd Council District  
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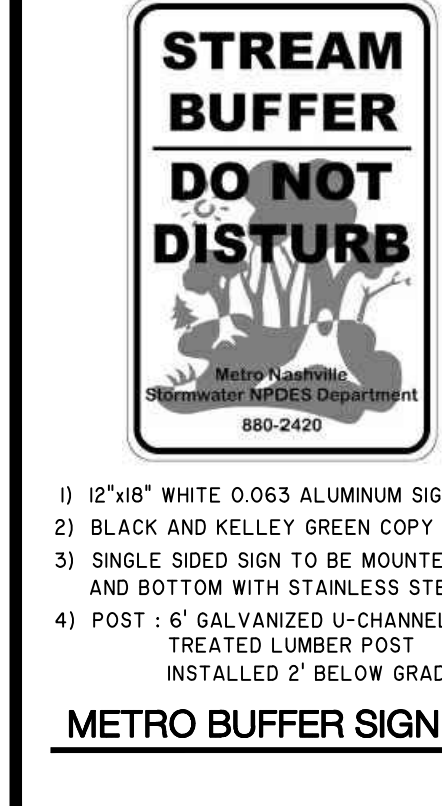
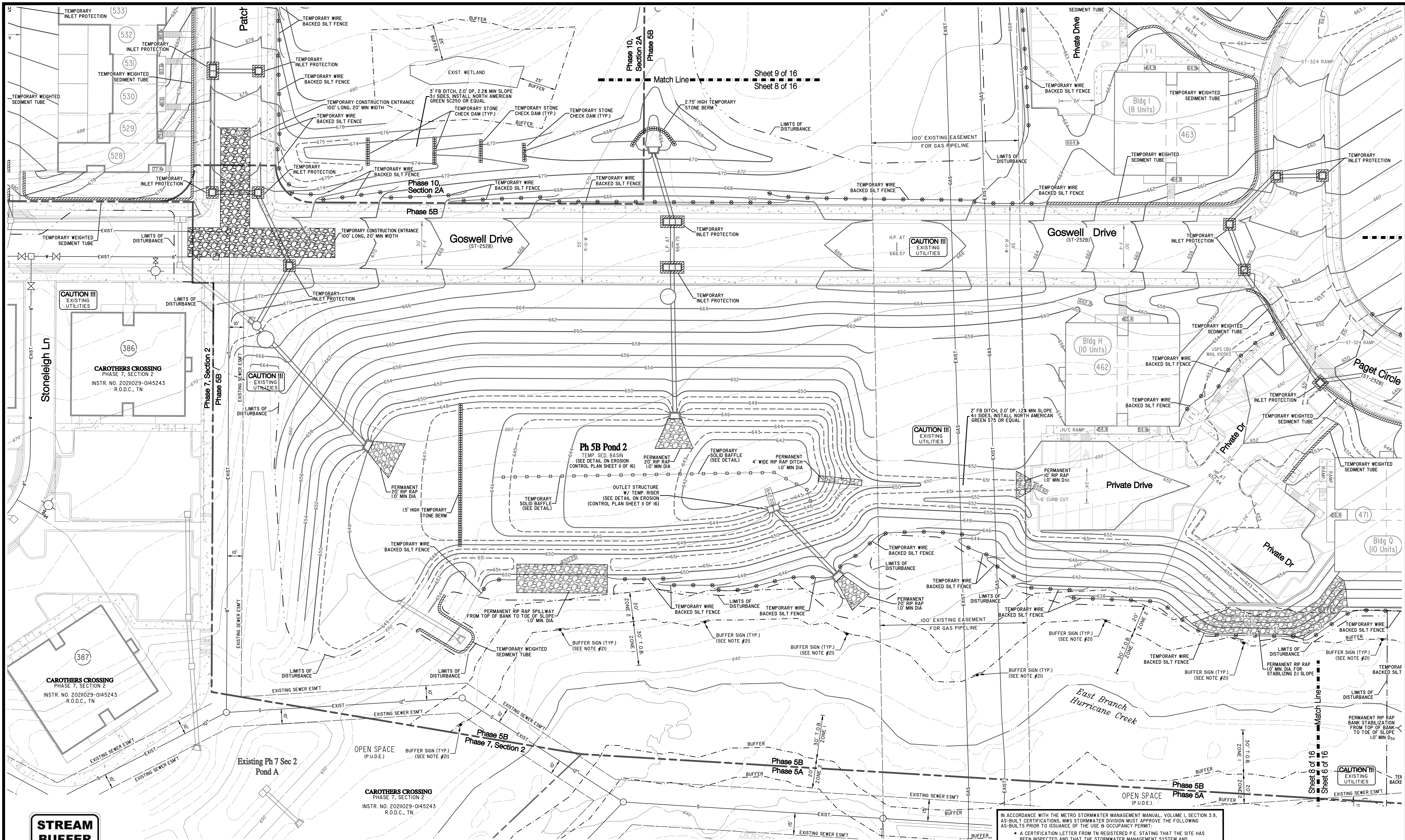
PHASES 5B AND 10 SECTION 2A  
2005UD-003-007

STAGE 2 - INTERIM  
EROSION CONTROL

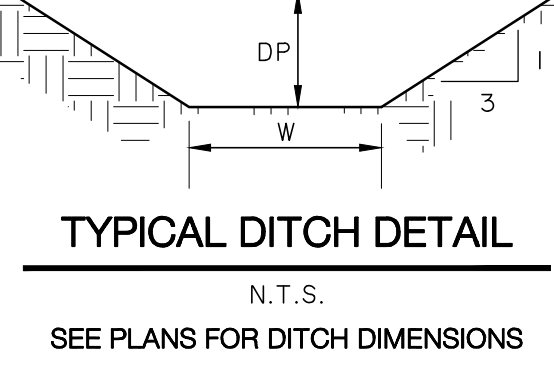
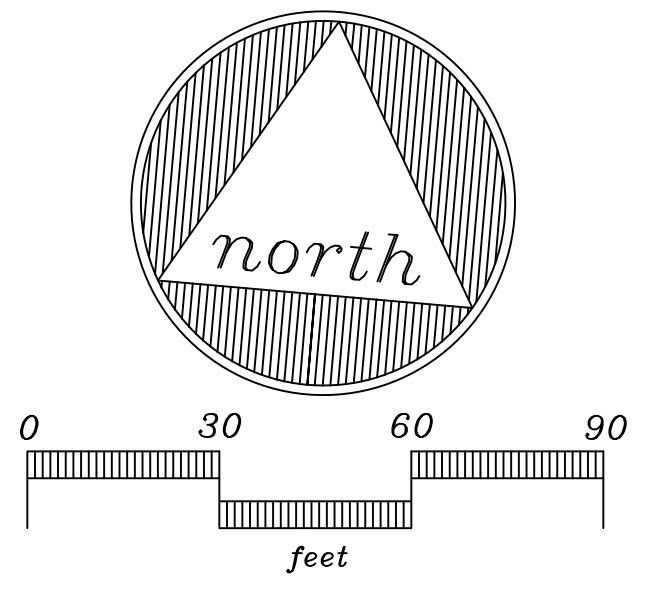
DATE : 10-30-23

JOB No. 17-130

SHEET 7 OF 16



- Legend**
- 8" - S SANITARY SEWER W/ MANHOLE
  - 8" - W WATER LINE
  - 8" - F FIRE HYDRANT
  - GATE VALVE
  - UTILITY POLE WITH GUY WIRES
  - SIDEWALK (NOT ST-210 & ST-209)
  - ADA COMPLIANT HANDICAP RAMP (NOT ST-330 WITH DETECTABLE WARNINGS)
  - INLET - AREA DRAIN W/ J-GRADE (ALLEY TYP. - NDOT ST-506) OR SINGLE CURB INLET (C&G TYP. - JBS 3300V W/ 6" HOOD OR EQUIVALENT)
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  - HEADWALL (HDW)
  - FENCE
  - F-F FACE OF CURB TO FACE OF CURB
  - FC - FACE OF CURB
  - R-O-W - RIGHT OF WAY
  - P.U.E. - PUBLIC UTILITY AND DRAINAGE EASEMENT
  - P.D.E. - PUBLIC DRAINAGE EASEMENT



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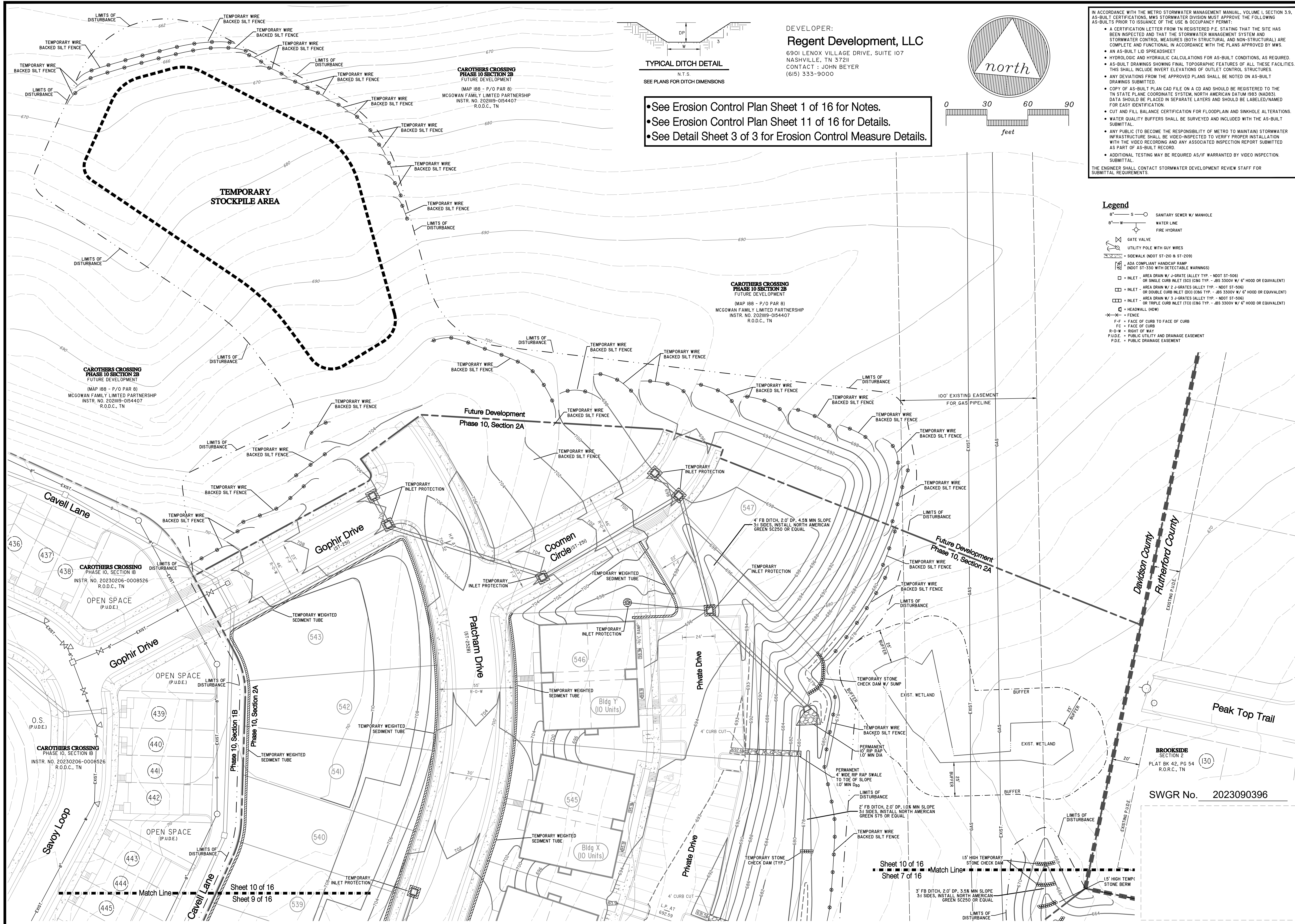
STAGE 2 - INTERIM  
EROSION CONTROL

DATE : 10-30-23

JOB No. 17-130

SHEET 8 OF 16





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**Legend**

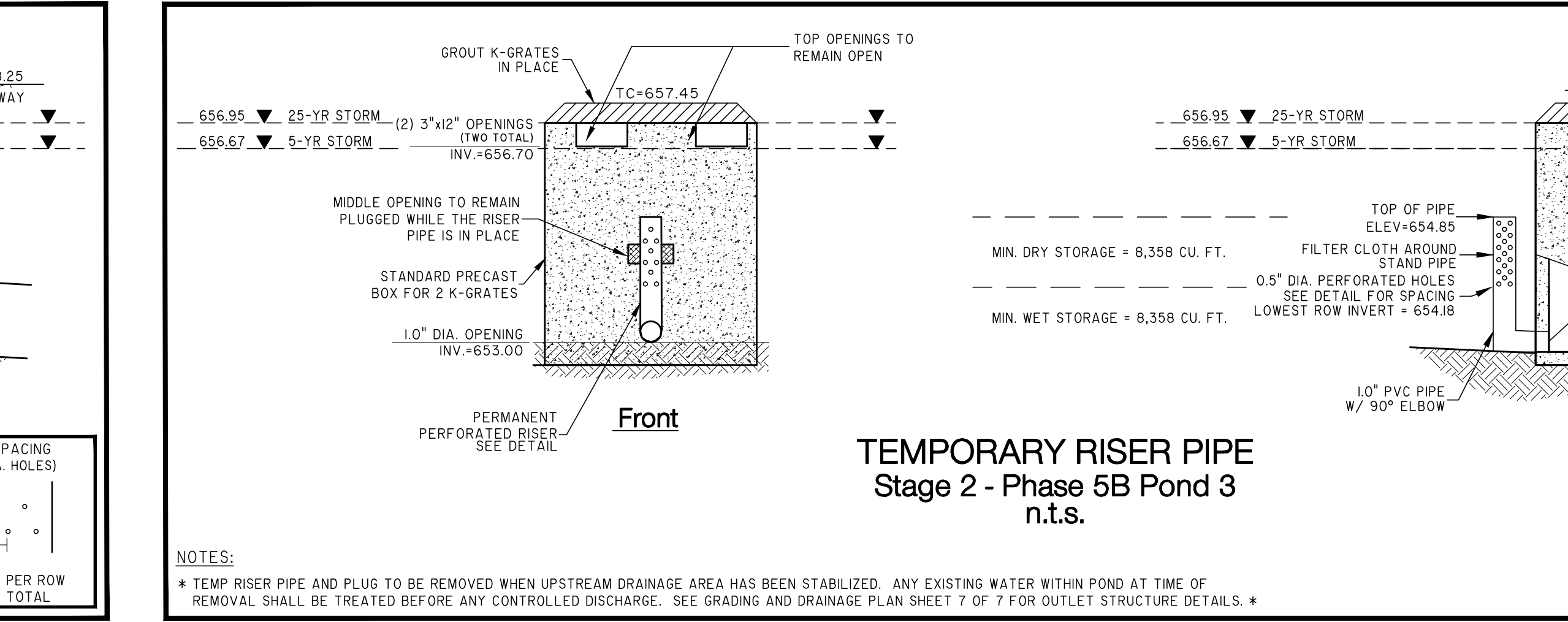
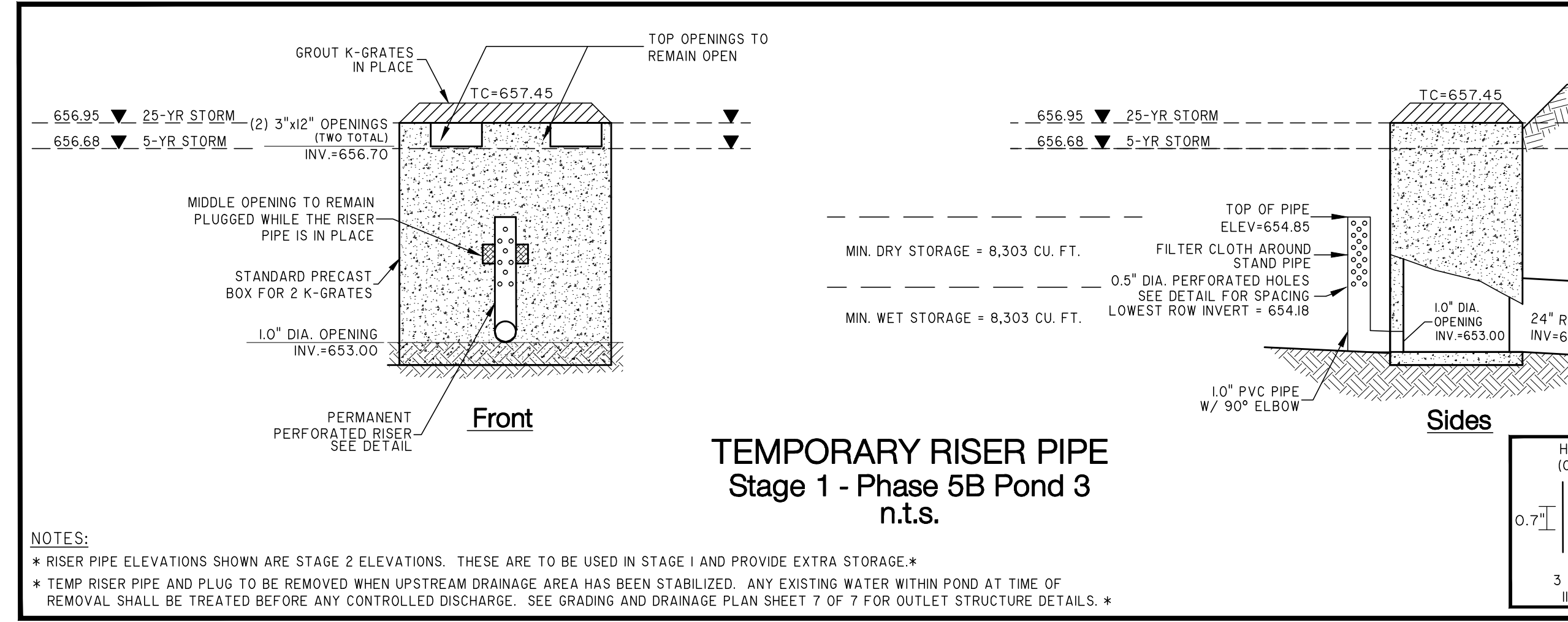
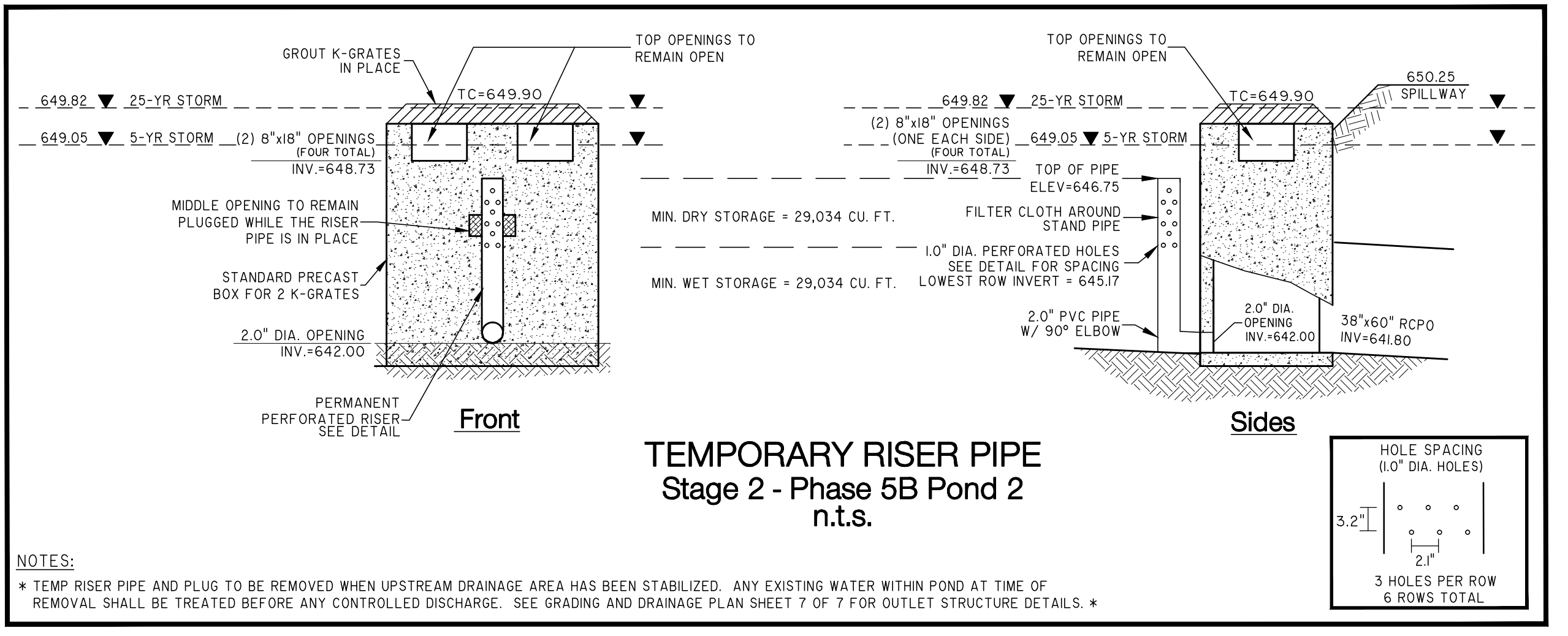
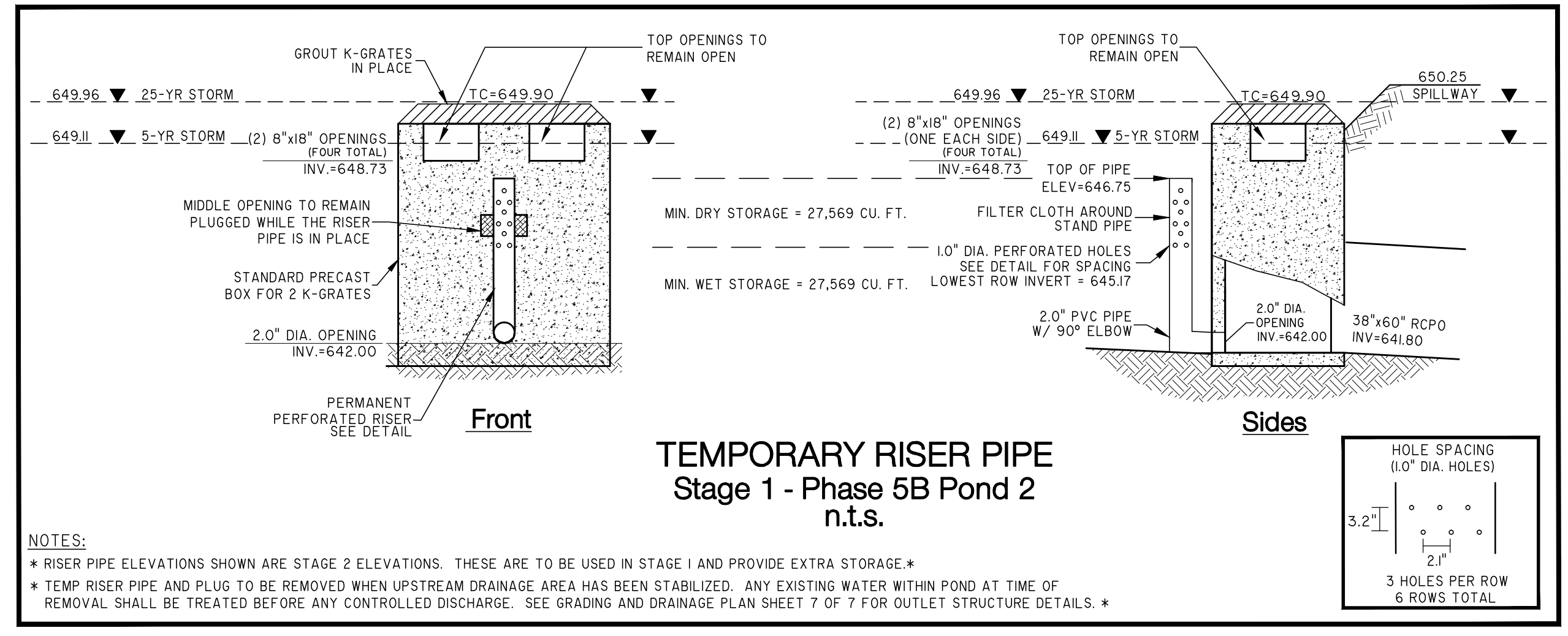
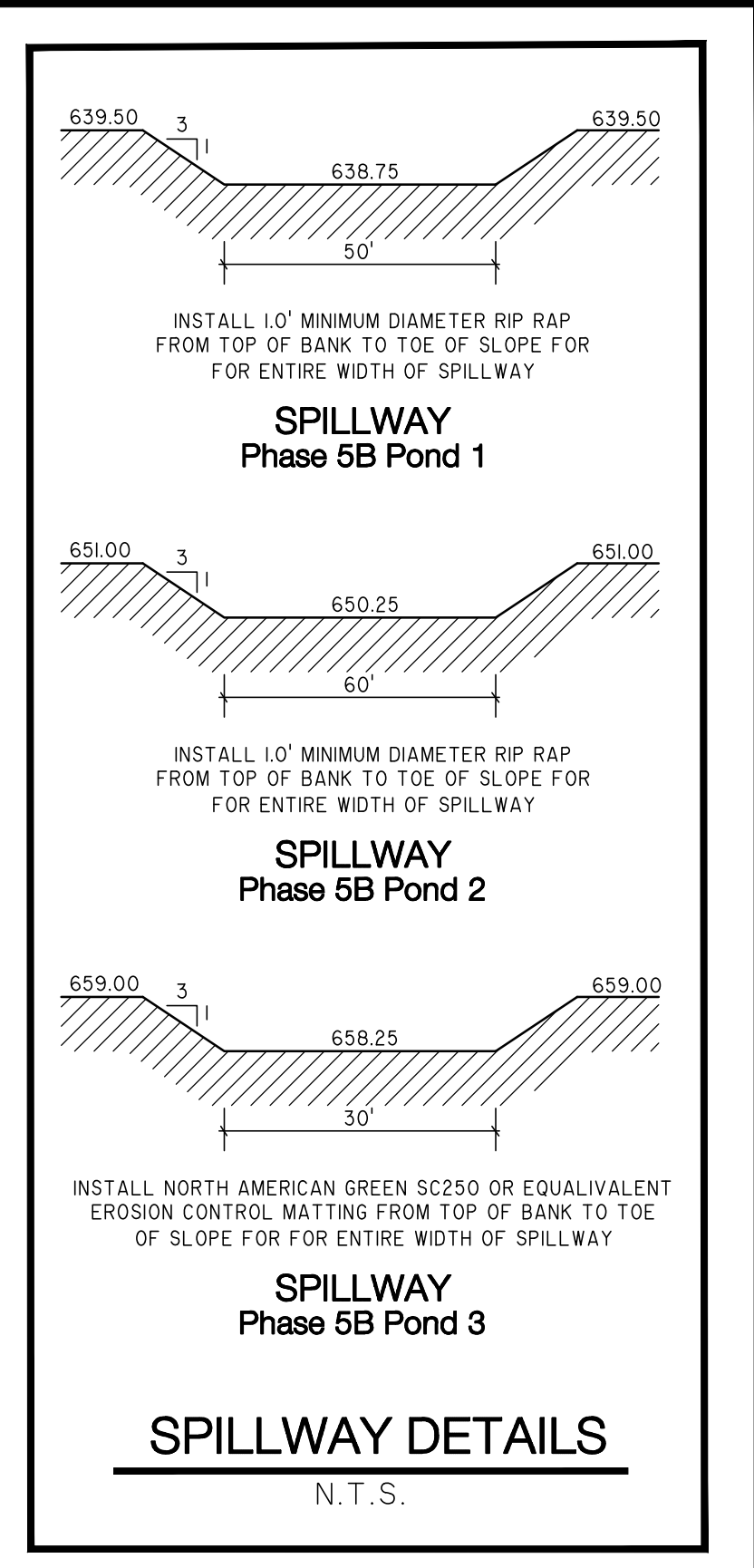
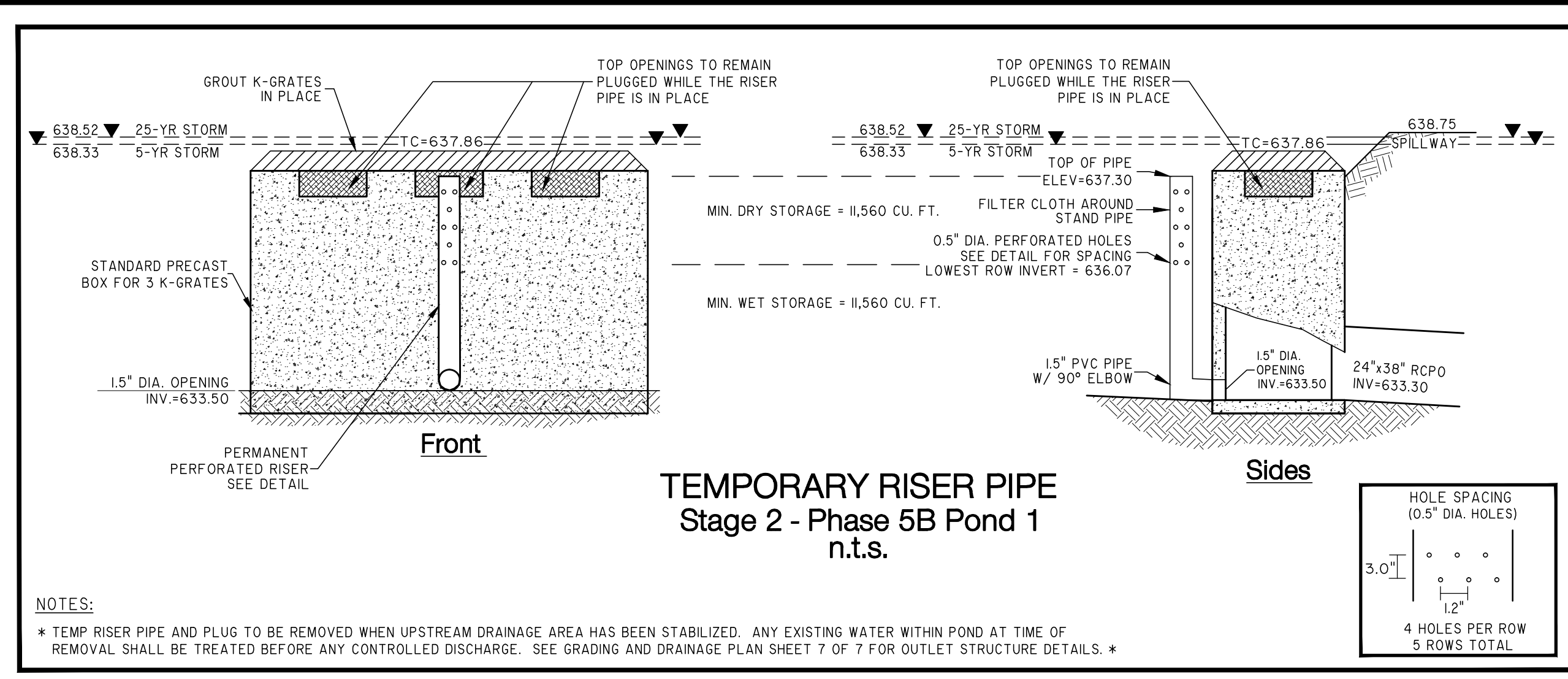
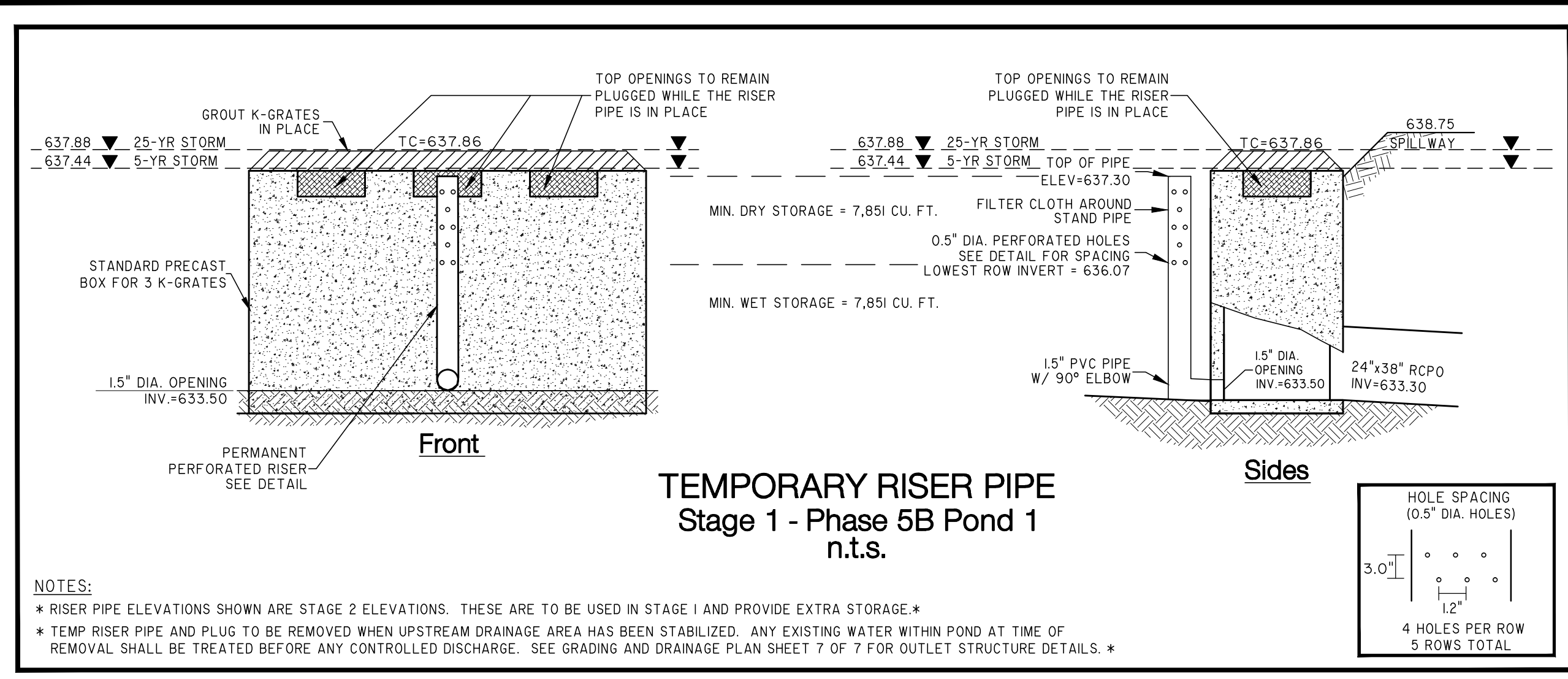
Symbol	Description
Circle with 'S'	SANITARY SEWER W/ MANHOLE
Circle with 'W'	WATER LINE
Circle with 'F'	FIRE HYDRANT
Triangle	GATE VALVE
Circle with 'U'	UTILITY POLE WITH GUY WIRES
Line with 'S-200'	SIDEWALK INDOT ST-210 & ST-209
Line with 'S-330'	ADA COMPLIANT HANDICAP RAMP (INDOT ST-330 WITH DETECTABLE WARNINGS)
Circle with 'I'	INLET - AREA DRAIN W/ J-GRADES (ALLEY TYP. - NDOT ST-506) OR SINGLE CURB INLET (BOI) (C&G TYP. - JBS 3300V W/ 6" HOOD OR EQUIVALENT)
Circle with 'D'	INLET - AREA DRAIN W/ 2 J-GRADES (ALLEY TYP. - NDOT ST-506) OR DOUBLE CURB INLET (DCI) (C&G TYP. - JBS 3300V W/ 6" HOOD OR EQUIVALENT)
Circle with 'T'	INLET - AREA DRAIN W/ 3 J-GRADES (ALLEY TYP. - NDOT ST-506) OR TRIPLE CURB INLET (TCI) (C&G TYP. - JBS 3300V W/ 6" HOOD OR EQUIVALENT)
Circle with 'H'	HEADWALL (HDW)
Line with 'F'	FENCE
Line with 'F-F'	FACE OF CURB TO FACE OF CURB
Line with 'F-C'	FACE OF CURB
Line with 'R-O-W'	RIGHT OF WAY
Line with 'P.U.D.E.'	PUBLIC UTILITY AND DRAINAGE EASEMENT
Line with 'P.D.E.'	PUBLIC DRAINAGE EASEMENT

**EROSION CONTROL PLAN**  
 REVISIONS: 02-02-24 AS PER METRO WATER SERVICES

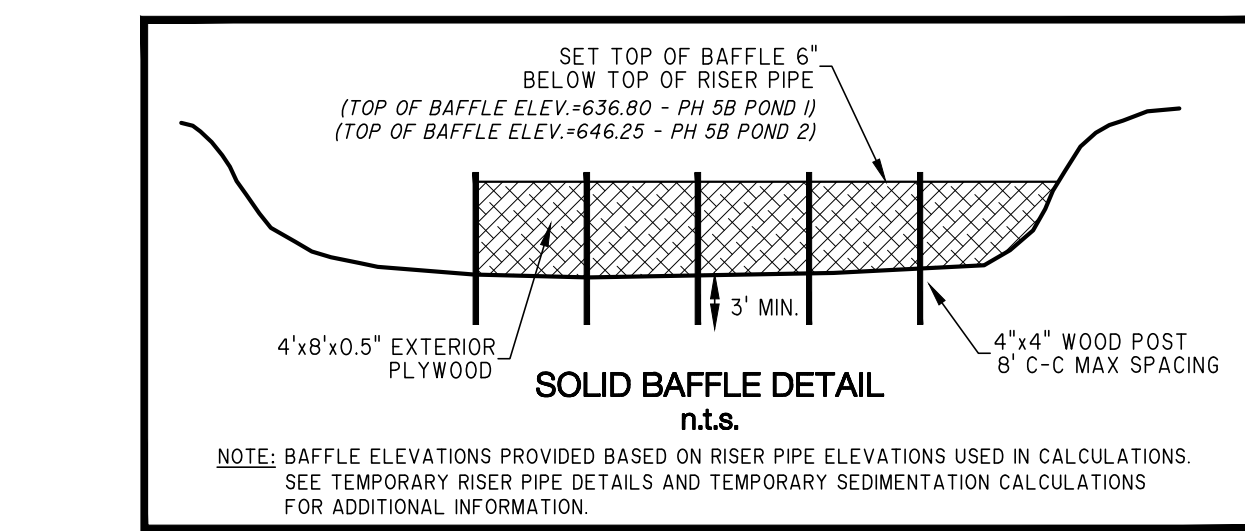
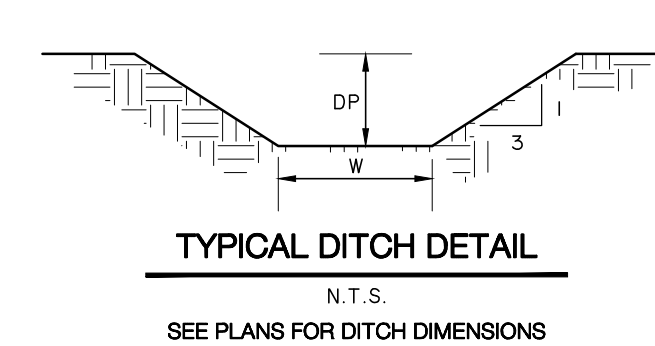
**Regent Development, LLC**  
 DEVELOPER  
**Anderson, Delk, Eggs & Associates Inc.**  
 ENGINEERING/PLANNING/SURVEYING  
 618 GRASSMERE PARK DRIVE / SUITE 4  
 NASHVILLE, TENNESSEE 37211

**Carothers Crossing**  
 33rd Council District  
 Nashville, Tennessee

PHASES 5B AND 10 SECTION 2A  
 2005UD-003-007  
 STAGE 2 - INTERIM EROSION CONTROL  
 DATE: 10-30-23  
 JOB No. 17-130  
 SHEET 10 OF 16



• See Erosion Control Plan Sheet 1 of 16 for Notes.  
 • See Detail Sheet 3 of 3 for Erosion Control Measure Details.



METRO STORMWATER MANAGEMENT MANUAL VOLUME 4 - BEST MANAGEMENT PRACTICES (BMP) MANUAL (2020)

EROSION CONTROL MEASURES MAY INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

SCHEDULING - PHASED CONSTRUCTION/CLEARING	CP-01	TIRE WASHING FACILITY	TCP-01	TEMPORARY SEDIMENT / DETENTION BASINS	TCP-18
DEWATERING OPERATIONS	CP-02	CONSTRUCTION ROAD STABILIZATION	TCP-02	BANK STABILIZATION	TCP-19
PAVING OPERATIONS	CP-03	STABILIZED CONSTRUCTION ENTRANCE	TCP-03	RIP-RAP	TCP-20
MATERIAL DELIVERY, STORAGE, AND USE	CP-04	BUFFER ZONES	TCP-04	CHANNEL LININGS	TCP-21
SPILL PREVENTION AND CONTROL	CP-05	TEMPORARY SEEDING	TCP-05	TEMPORARY DIVERSIONS, DRAINS AND SWALES	TCP-22
SOIL WASTE MANAGEMENT	CP-06	SURFACE ROUGHENING	TCP-06	TEMPORARY INLET PROTECTION	TCP-23
HAZARDOUS WASTE MANAGEMENT	CP-07	TOP SOILING	TCP-07	TEMPORARY OUTLET PROTECTION	TCP-24
CONTAMINATED SOIL MANAGEMENT	CP-08	MULCHING	TCP-08	PERMANENT GRASS, VINES AND OTHER VEG.	PECS-01
CONCRETE WASTE MANAGEMENT	CP-09	NETS AND MATS	TCP-09	GEOTEXTILES	PECS-02
SANITARY/SEPTIC WASTE MANAGEMENT	CP-10	GEOTEXTILES	TCP-10	BUFFER ZONES	PECS-03
VEHICLE AND EQUIPMENT CLEANING	CP-11	TERRACING	TCP-11	SOIL BIOENGINEERING AND BANK STABILIZATION	PECS-04
VEHICLE AND EQUIPMENT FUELING	CP-12	CHECK DAMS	TCP-12	GRADIENT TERRACES AND SLOPE ROUGHENING	PECS-05
VEHICLE AND EQUIPMENT MAINTENANCE	CP-13	SILT FENCE	TCP-13	FLOW DIVERSIONS, DRAINS, AND SWALES	PECS-06
DUST CONTROL	CP-14	WEIGHTED SEDIMENT TUBE	TCP-14	OUTLET PROTECTION	PECS-07
MAINTENANCE OF COLLECTION FACILITIES	CP-15	SAND BAG BARRIER	TCP-15	CHANNEL LININGS	PECS-08
PRESERVATION AND MAINTENANCE OF EXIST VEG.	CP-16	BRUSH OR ROCK FILTERS AND CONTINUOUS BERMS	TCP-16	BIORETENTION	PTP-03
SYSTEM FLUSHING	CP-17	SEDIMENT TRAP	TCP-17	DRY DETENTION	PTP-04

**STREAM BUFFER DO NOT DISTURB**

Metro Nashville Stormwater NPDES Department 880-2420

- 12"x18" WHITE 0.063 ALUMINUM SIGN
- BLACK AND KELLEY GREEN COPY
- SINGLE SIDED SIGN TO BE MOUNTED TO POST AT TOP AND BOTTOM WITH STAINLESS STEEL HARDWARE
- POST : 6" GALVANIZED U-CHEMEL OR 4"x4" PRESSURE TREATED LUMBER POST INSTALLED 2' BELOW GRADE, 4' ABOVE GRADE

METRO BUFFER SIGN DETAIL n.t.s.

IN ACCORDANCE WITH THE METRO STORMWATER MANAGEMENT MANUAL, VOLUME I, SECTION 3.9, AS-BUILT CERTIFICATIONS, MWS STORMWATER DIVISION MUST APPROVE THE FOLLOWING AS-BUILT PRIOR TO ISSUANCE OF THE USE & OCCUPANCY PERMIT.

- A CERTIFICATION LETTER FROM TN REGISTERED P.E. STATING THAT THE SITE HAS BEEN INSPECTED AND THAT THE STORMWATER MANAGEMENT SYSTEM AND STORMWATER CONTROL MEASURES (BOTH STRUCTURAL AND NON-STRUCTURAL) ARE COMPLETE AND FUNCTIONAL IN ACCORDANCE WITH THE PLANS APPROVED BY MWS.
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- ADDITIONAL TESTING MAY BE REQUIRED AS/IF WARRANTED BY VIDEO INSPECTION. SUBMITTAL.

THE ENGINEER SHALL CONTACT STORMWATER DEVELOPMENT REVIEW STAFF FOR SUBMITTAL REQUIREMENTS.

SWGR No. 2023090396

**EROSION CONTROL PLAN**

REVISIONS: 02-02-24 AS PER METRO WATER SERVICES

Regent Development, LLC DEVELOPER

Anderson, Delk, Eggs & Associates Inc. ENGINEERING/PLANNING/SURVEYING  
618 GRASSMERE PARK DRIVE / SUITE 4 NASHVILLE, TENNESSEE 37211

Eric D. Olsen REGISTERED PROFESSIONAL ENGINEER STATE OF TENNESSEE

**Carothers Crossing**  
33rd Council District  
Nashville, Tennessee

PHASES 5B AND 10 SECTION 2A  
2005UD-003-007

STAGE 2 - INTERIM EROSION CONTROL

DATE : 10 - 30 - 23

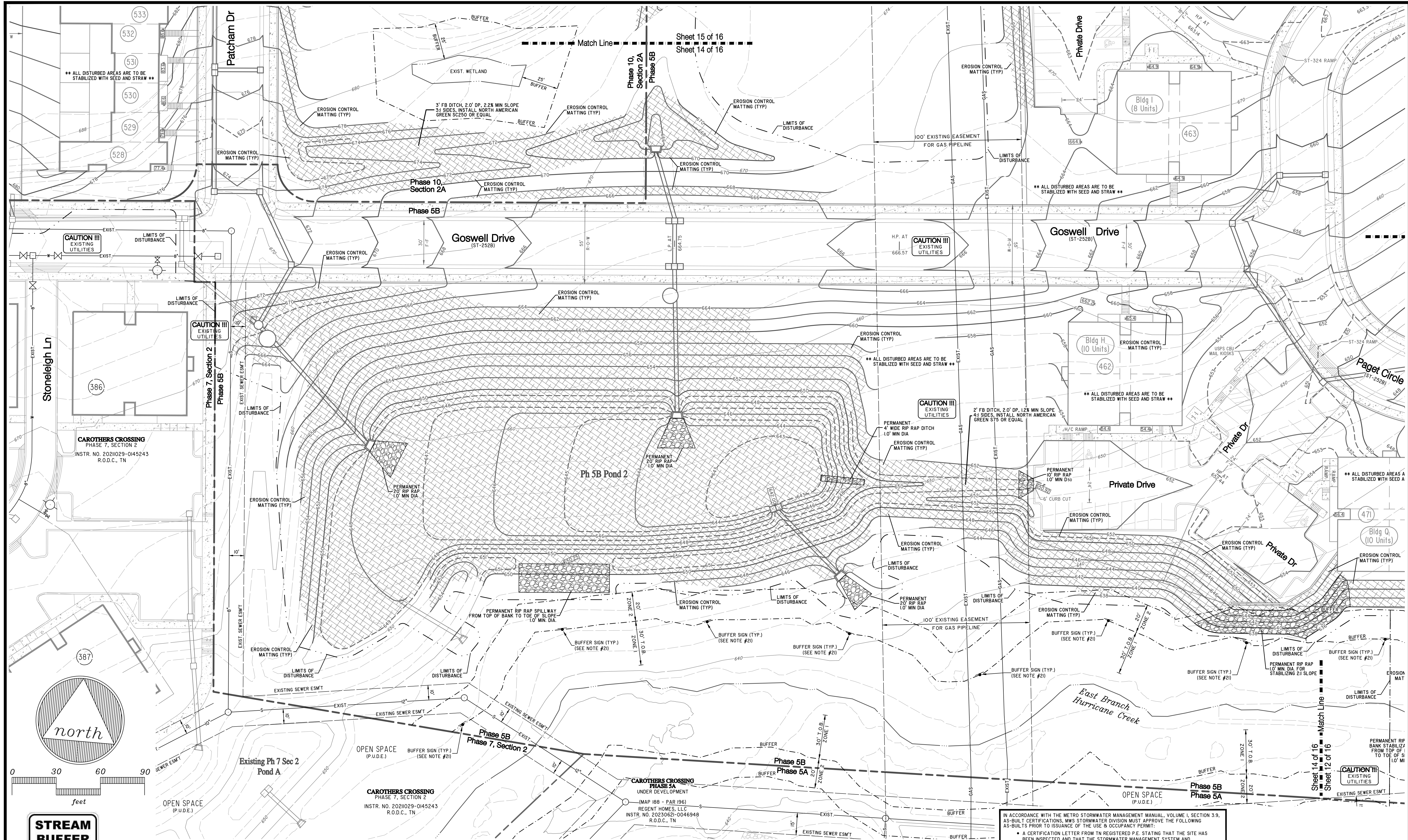
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SHEET 11 OF 16







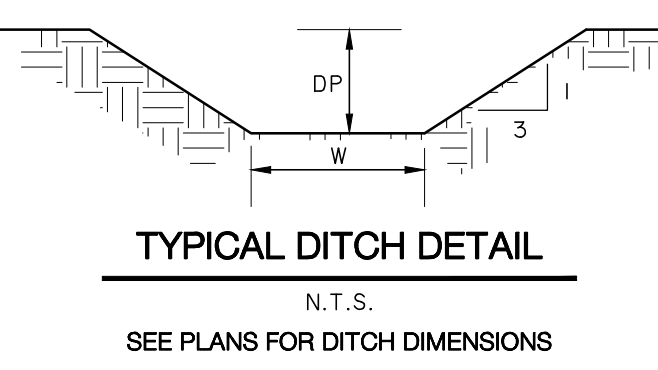


- Legend**
- 8" S - SANITARY SEWER W/ MANHOLE
  - 8" W - WATER LINE
  - 8" F - FIRE HYDRANT
  - GATE VALVE
  - UTILITY POLE WITH GUY WIRES
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  - HEADWALL (HW)
  - FENCE
  - F-F - FACE OF CURB TO FACE OF CURB
  - FC - FACE OF CURB
  - R-O-W - RIGHT OF WAY
  - P.U.E. - PUBLIC UTILITY AND DRAINAGE EASEMENT
  - P.D.E. - PUBLIC DRAINAGE EASEMENT

**Erosion Control Matting**  
 NORTH AMERICAN GREEN S75 (OR EQUAL)  
 UNLESS NOTED OTHERWISE

**\* EROSION CONTROL SHOWN ON THIS SHEET TO BE INSTALLED AT FINAL STABILIZATION \***

- PERMANENT SOIL STABILIZATION TO BEGIN WITHIN 14 DAYS OF FINAL GRADING.
- TEMPORARY CONTROL MEASURES SHOWN ON SHEET 8 OF 16 THAT ARE NOT SHOWN ON THIS SHEET ARE ONLY TO BE REMOVED ONCE THE UPSTREAM DRAINAGE AREA HAS BEEN STABILIZED.
- CONSTRUCTION ENTRANCE/EXIT TO BE REMOVED ONLY WHEN ROADS ARE PAVED.



DEVELOPER:  
**Regent Development, LLC**  
 6901 LENOX VILLAGE DRIVE, SUITE 107  
 NASHVILLE, TN 37211  
 CONTACT : JOHN BEYER  
 (615) 333-9000

IN ACCORDANCE WITH THE METRO STORMWATER MANAGEMENT MANUAL, VOLUME I, SECTION 3.3, AS-BUILT CERTIFICATIONS, MWS STORMWATER DIVISION MUST APPROVE THE FOLLOWING AS-BUILT'S PRIOR TO ISSUANCE OF THE USE & OCCUPANCY PERMIT:

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SWGR No. 2023090396

**EROSION CONTROL PLAN**

REVISIONS: 02-02-24 AS PER METRO WATER SERVICES

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DEVELOPER

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ENGINEERING/PLANNING/SURVEYING  
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NASHVILLE, TENNESSEE 37211

**Carothers Crossing**  
33rd Council District  
Nashville, Tennessee

PHASES 5B AND 10 SECTION 2A  
2005UD-003-007

STAGE 3 - FINAL  
EROSION CONTROL

DATE : 10-30-23

JOB No. 17-130

SHEET 14 OF 16

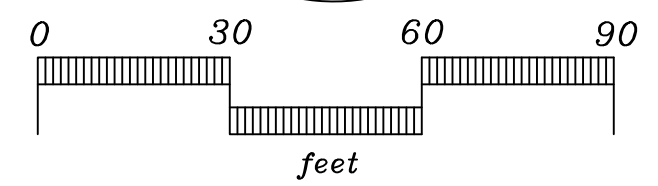


- See Erosion Control Plan Sheet 1 of 16 for Notes.
- See Erosion Control Plan Sheet 11 of 16 for Details.
- See Detail Sheet 3 of 3 for Erosion Control Measure Details.

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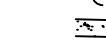












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690 LENOX VILLAGE DRIVE, SUITE 107  
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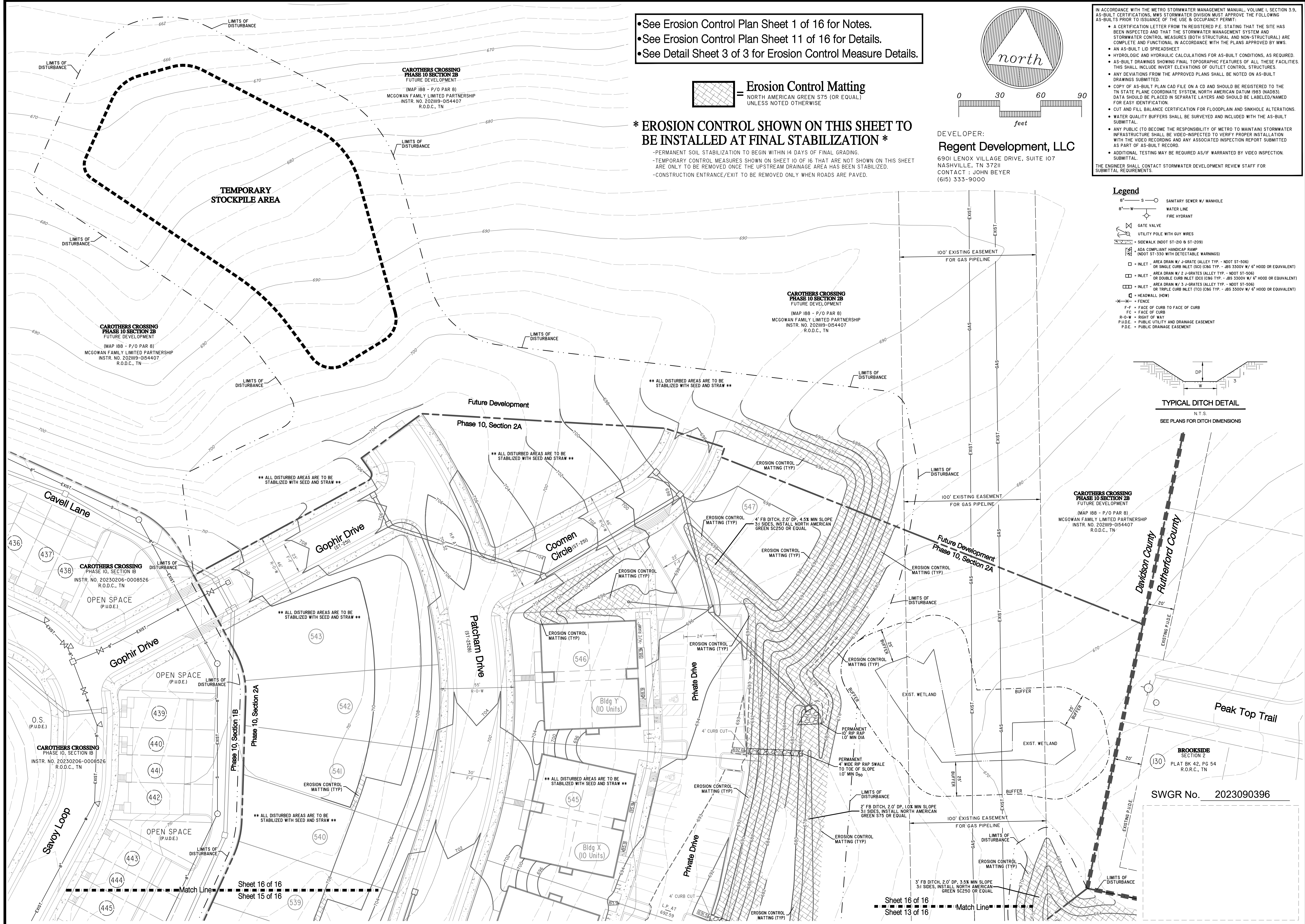
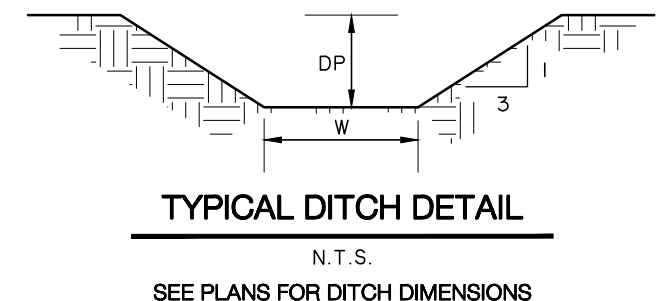
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**Legend**

	SANITARY SEWER W/ MANHOLE
	WATER LINE
	FIRE HYDRANT
	GATE VALVE
	UTILITY POLE WITH GUY WIRES
	SIDEWALK (NODT ST-210 & ST-209)
	ADA COMPLIANT HANDICAP RAMP (NODT ST-330 WITH DETECTABLE WARNINGS)
	INLET - AREA DRAIN W/ J-GRADE (ALLEY TYP. - NDOT ST-506) OR SINGLE CURB INLET (SCI) (CBG TYP. - JBS 3300V W/ 6" HOOD OR EQUIVALENT)
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	HEADWALL (HW)
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**EROSION CONTROL PLAN**

REVISIONS: 02-02-24 AS PER METRO WATER SERVICES

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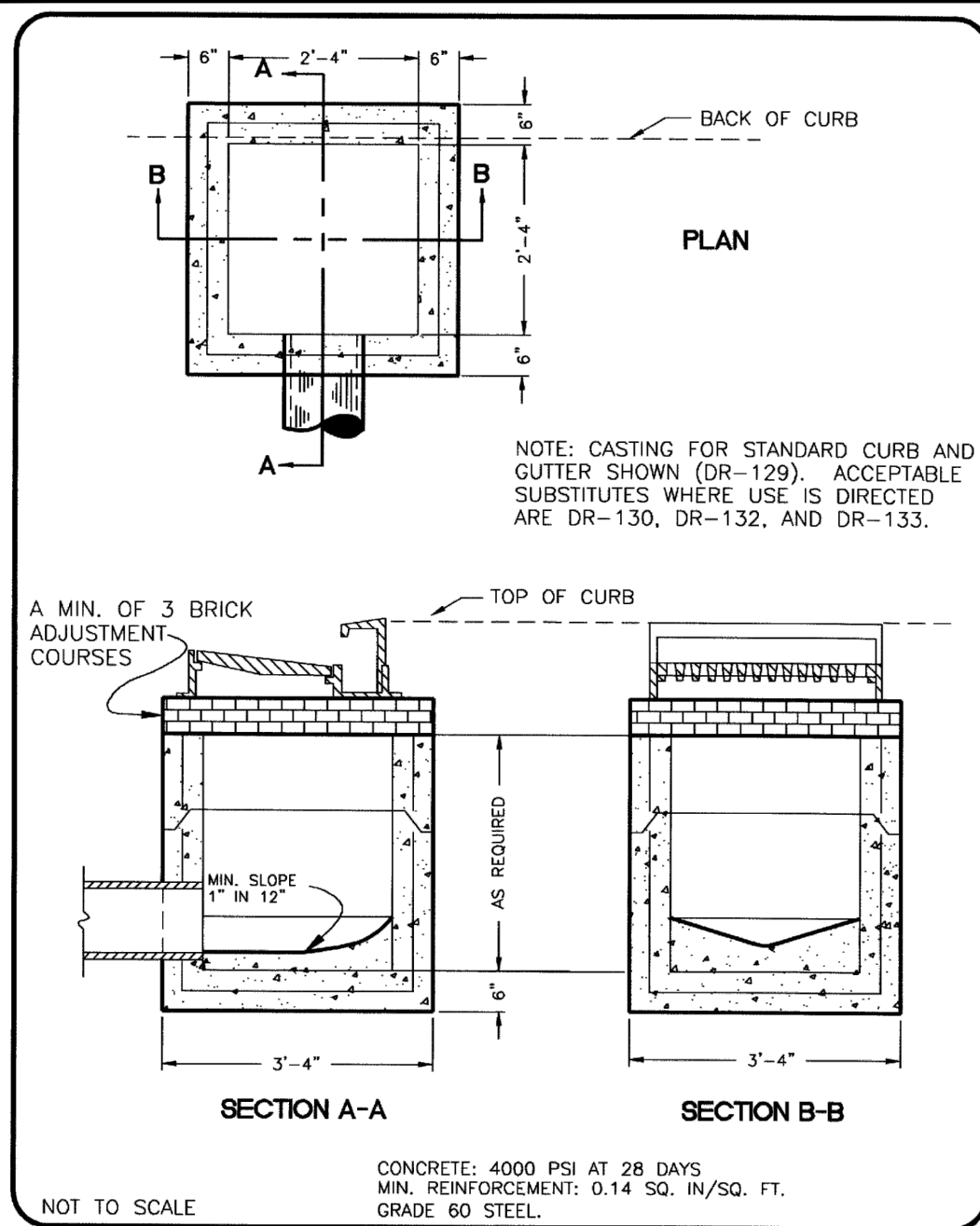
PHASES 5B AND 10 SECTION 2A  
2005UD-003-007

STAGE 3 - FINAL  
EROSION CONTROL

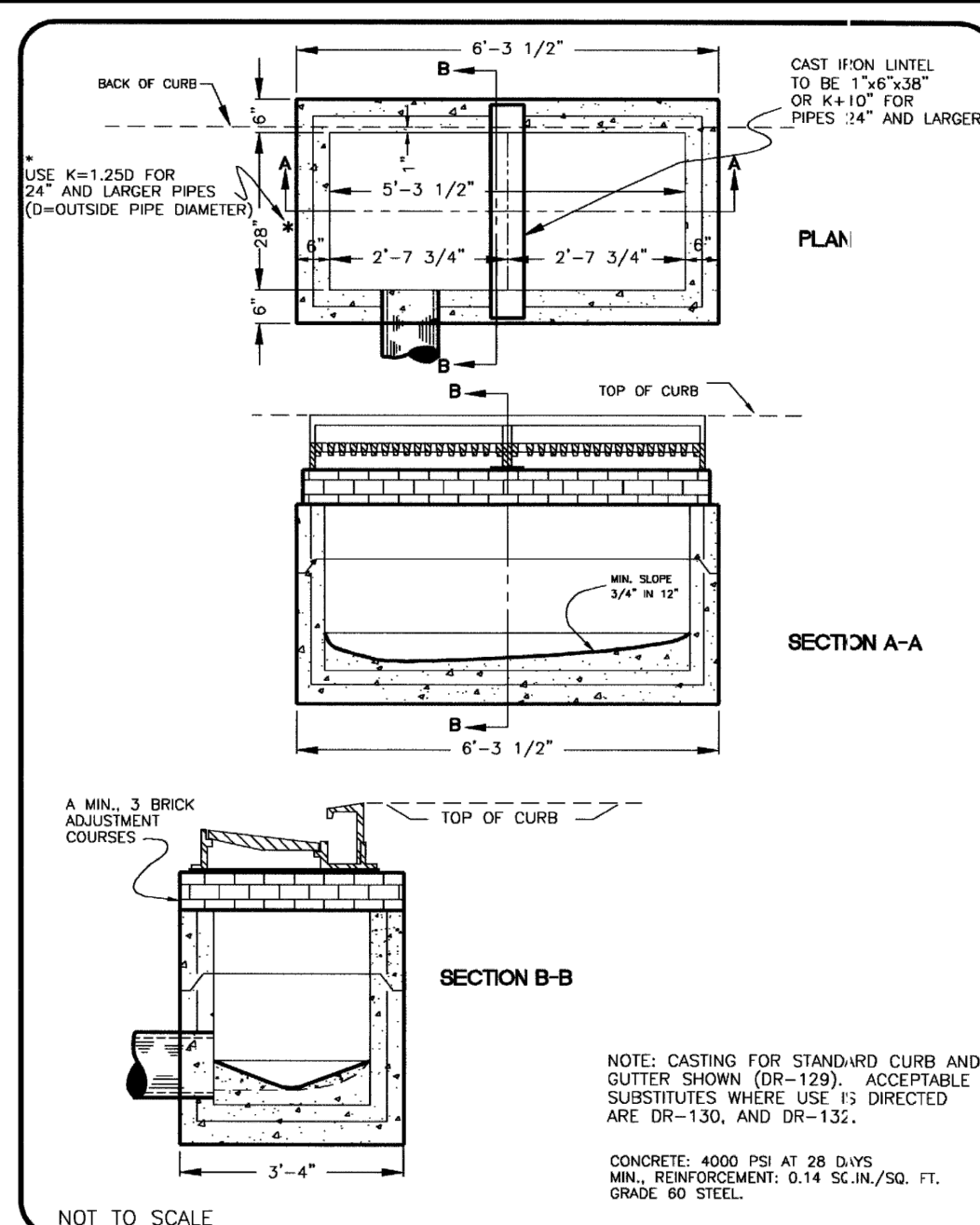
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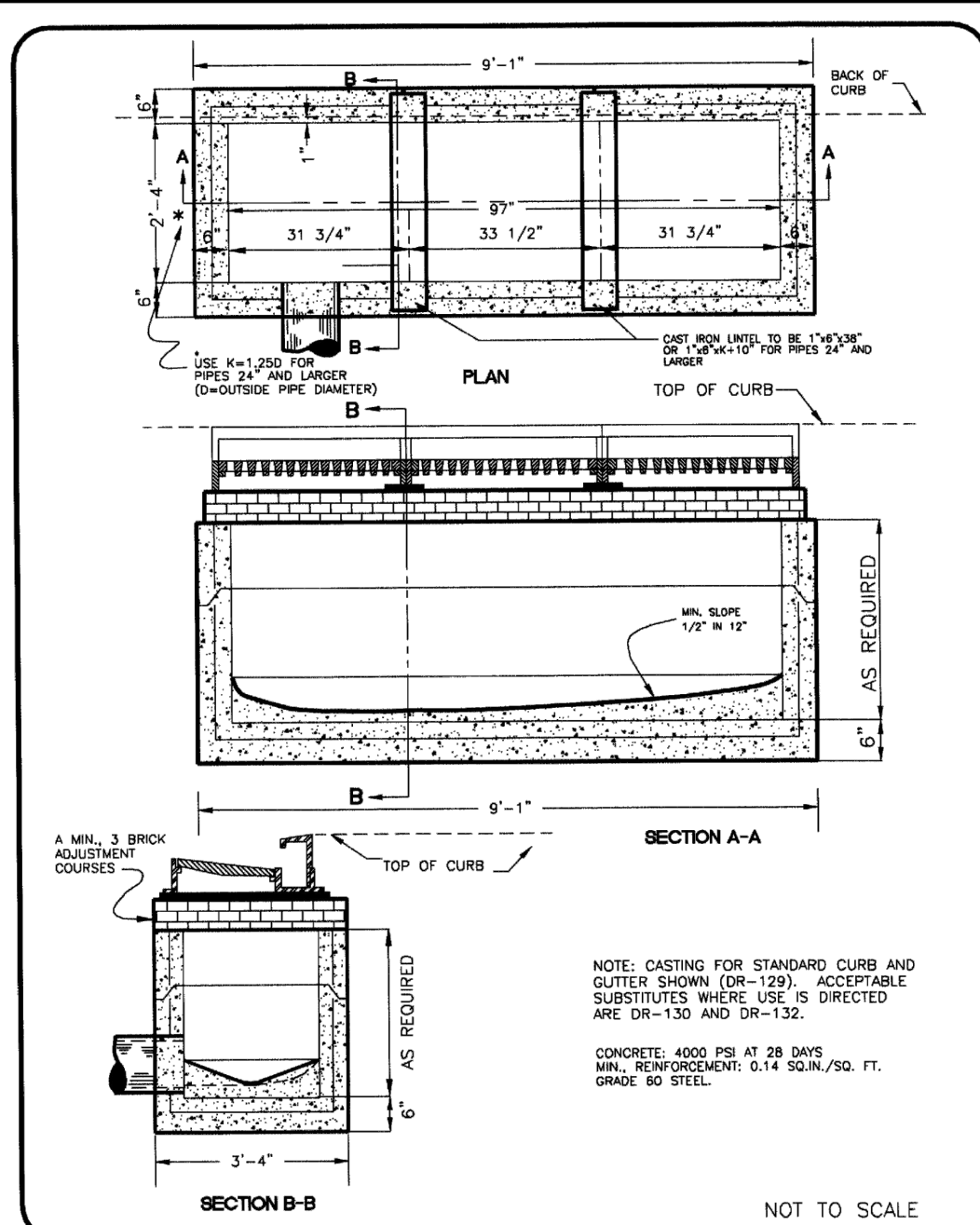
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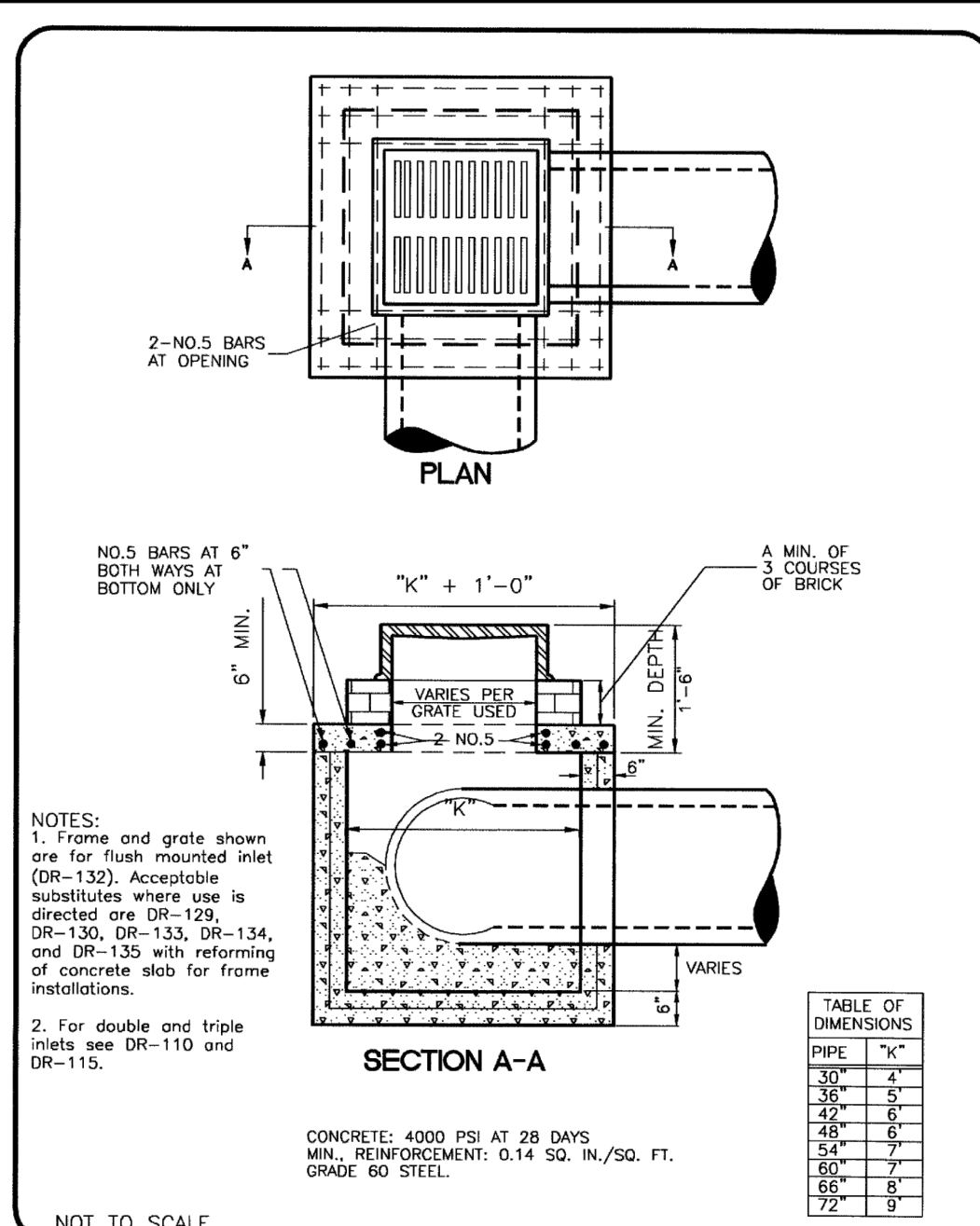
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ASST. DIR. ENG. <i>[Signature]</i>	DATE: 3/1/00	REVISED: 02/08/00
DIRECTOR: <i>[Signature]</i>	DATE: 3/1/00	



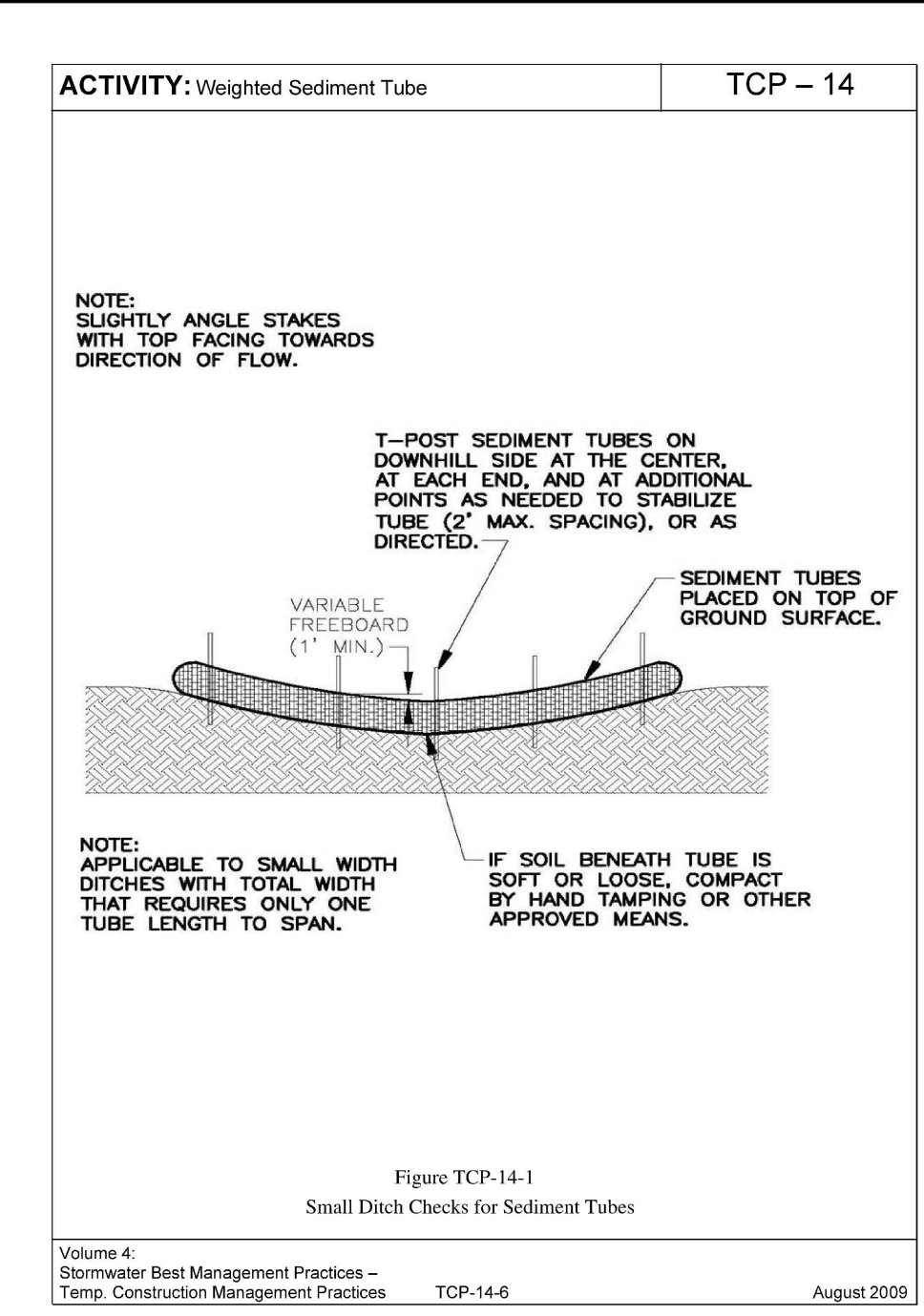
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DIRECTOR: <i>[Signature]</i>	DATE: 3/1/00	



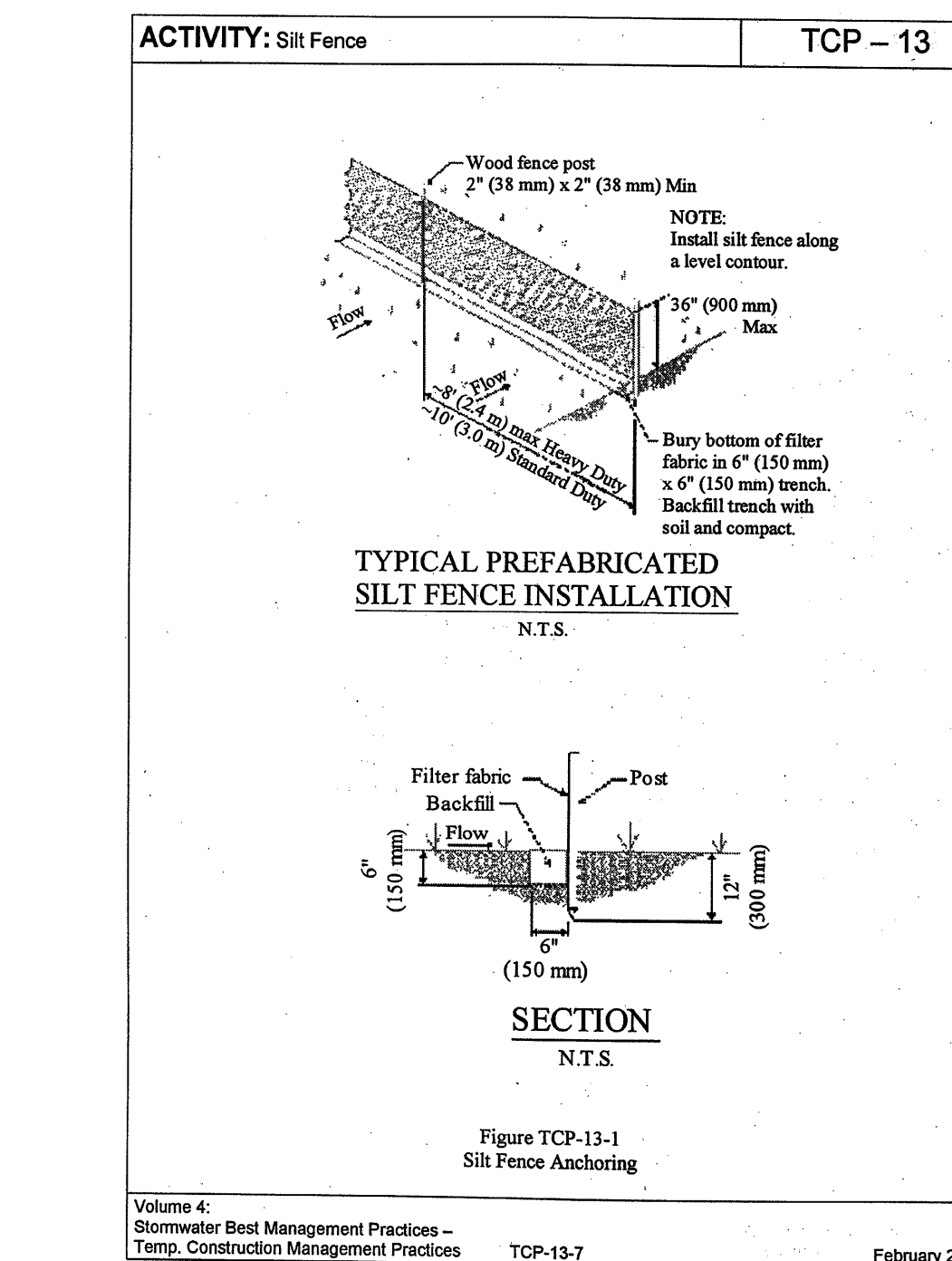
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DIRECTOR: <i>[Signature]</i>	DATE: 3/1/00	



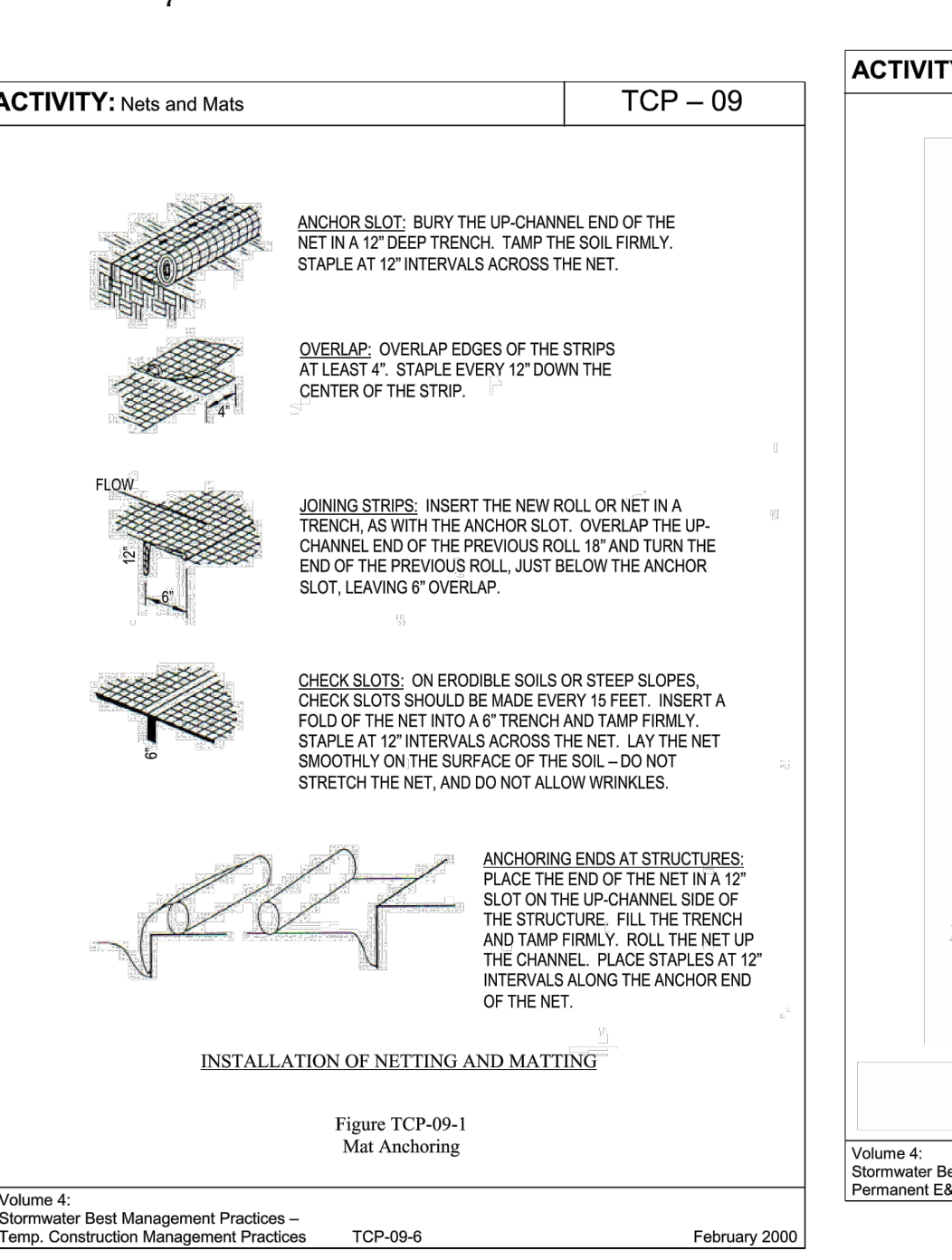
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DIRECTOR: <i>[Signature]</i>	DATE: 3/1/00	



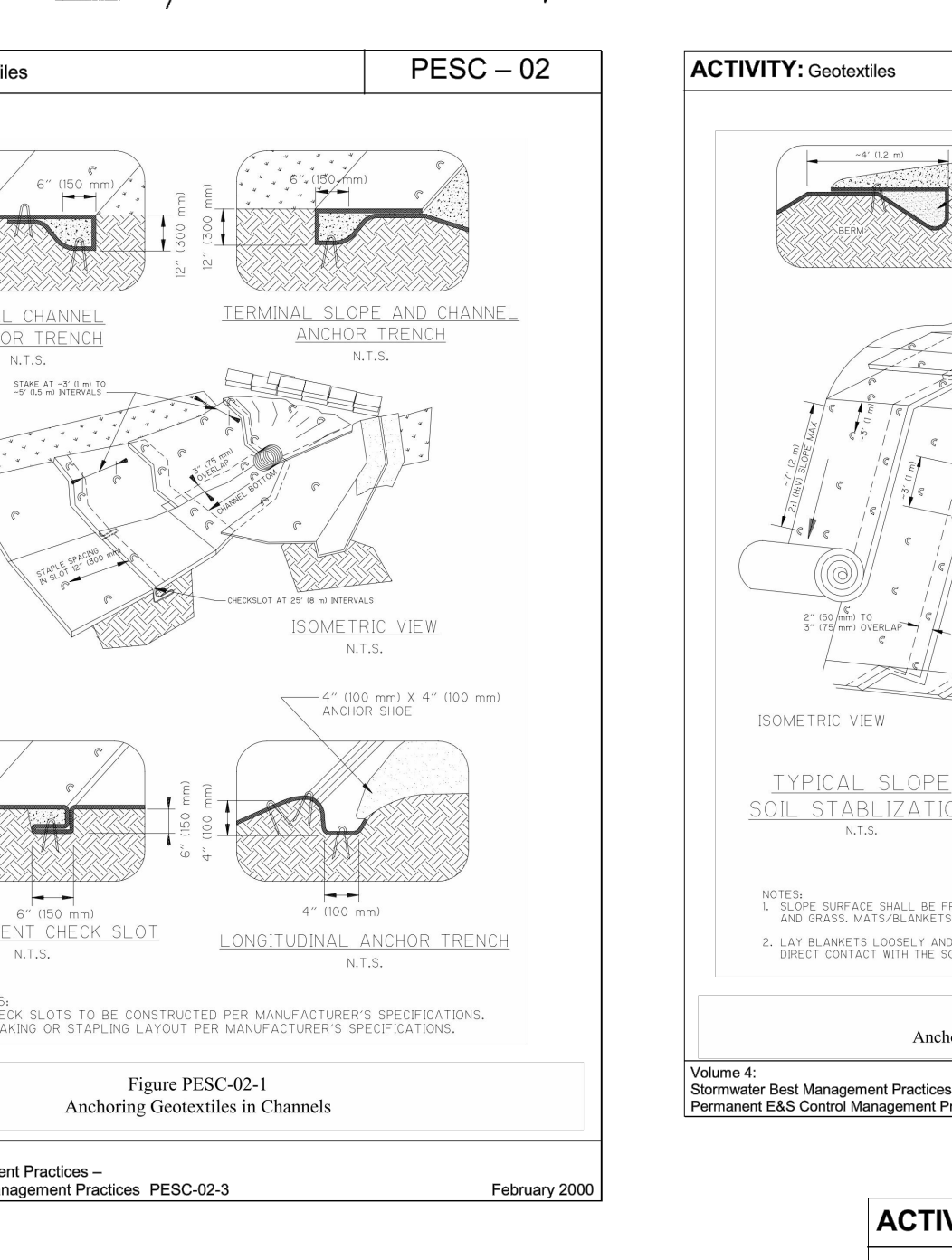
Volume 4: Stormwater Best Management Practices - Temp. Construction Management Practices	TCP-14-6	August 2009
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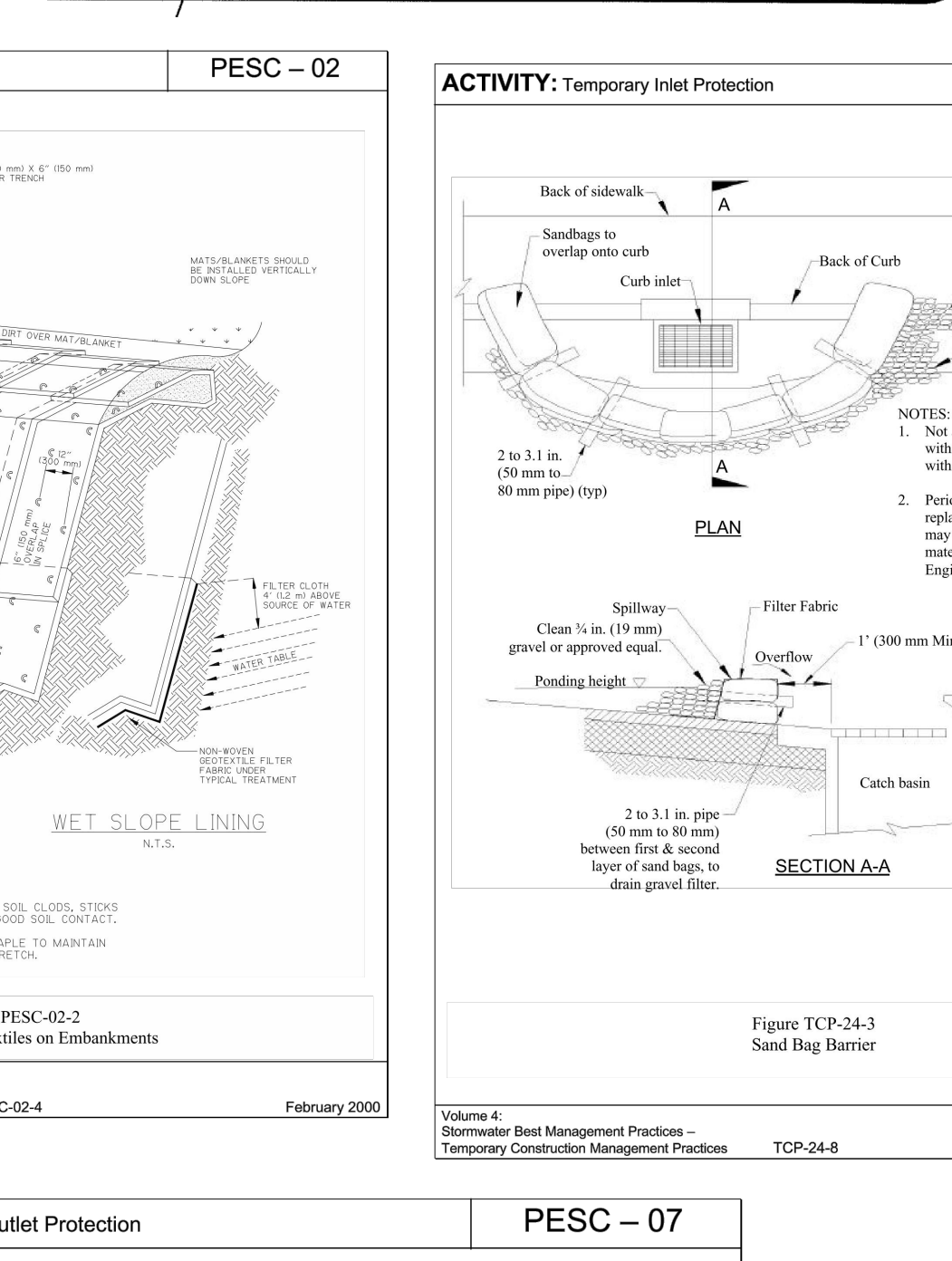
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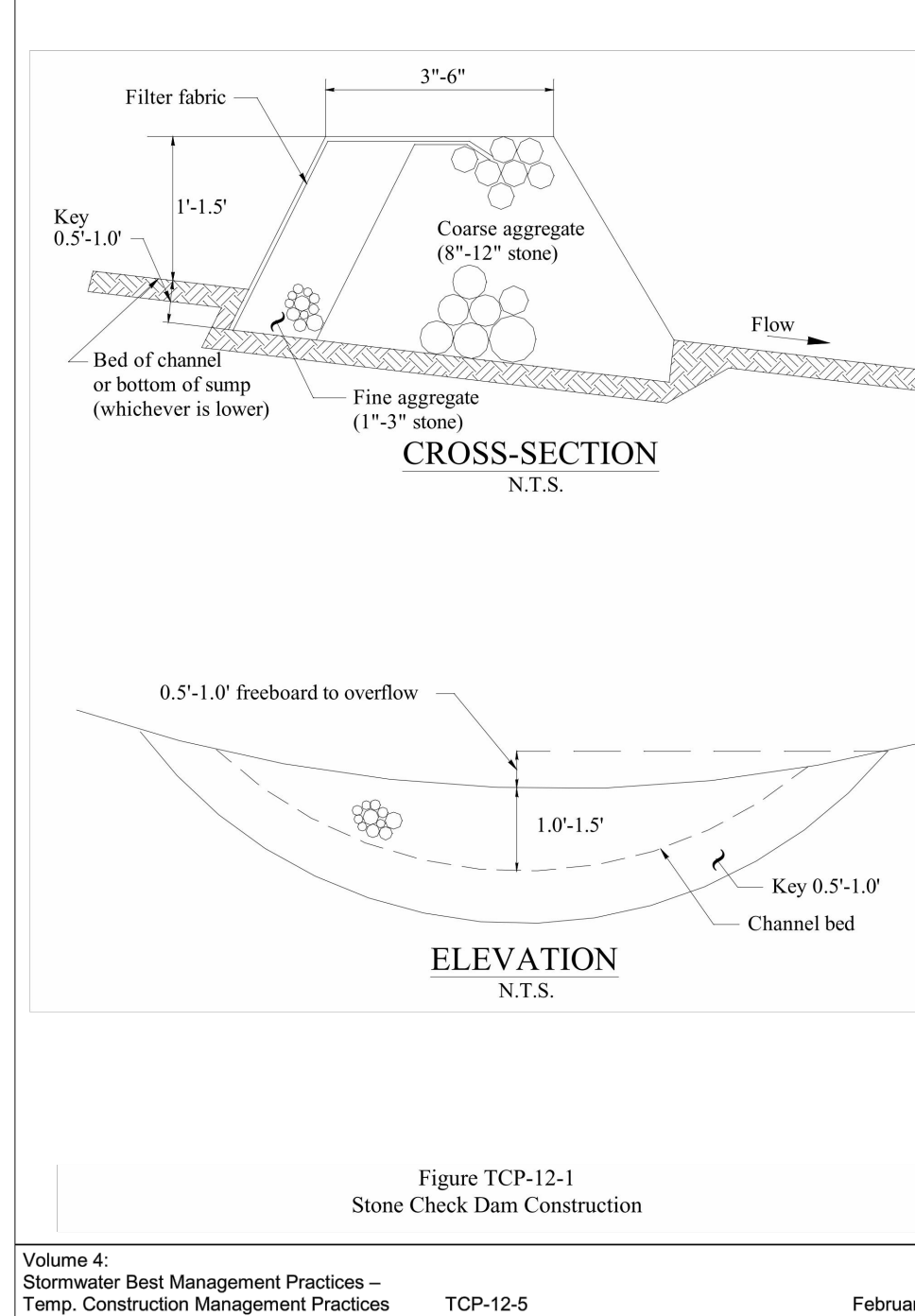
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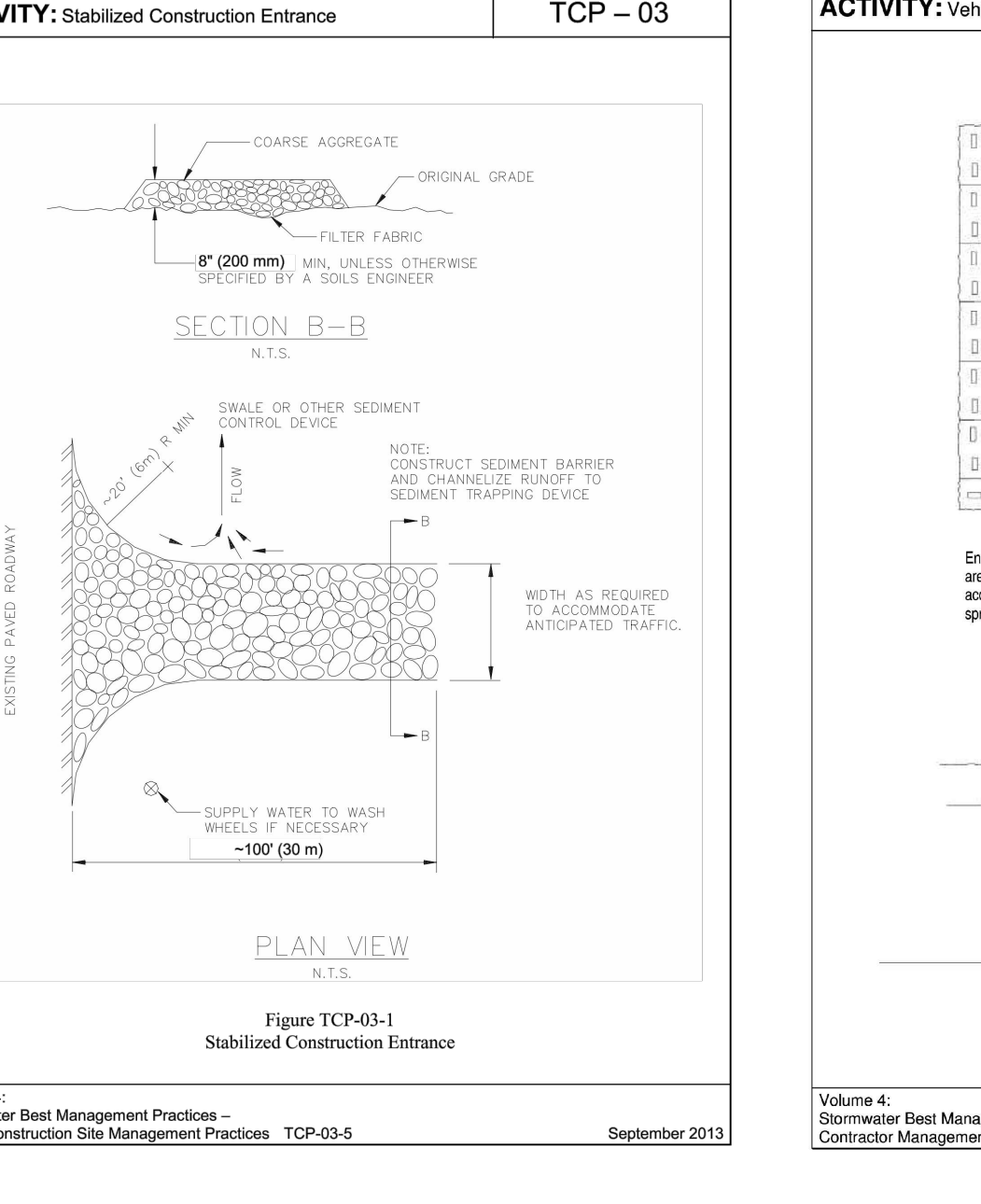
Volume 4: Stormwater Best Management Practices - Permanent EAS Control Management Practices	PESC-02-3	February 2000
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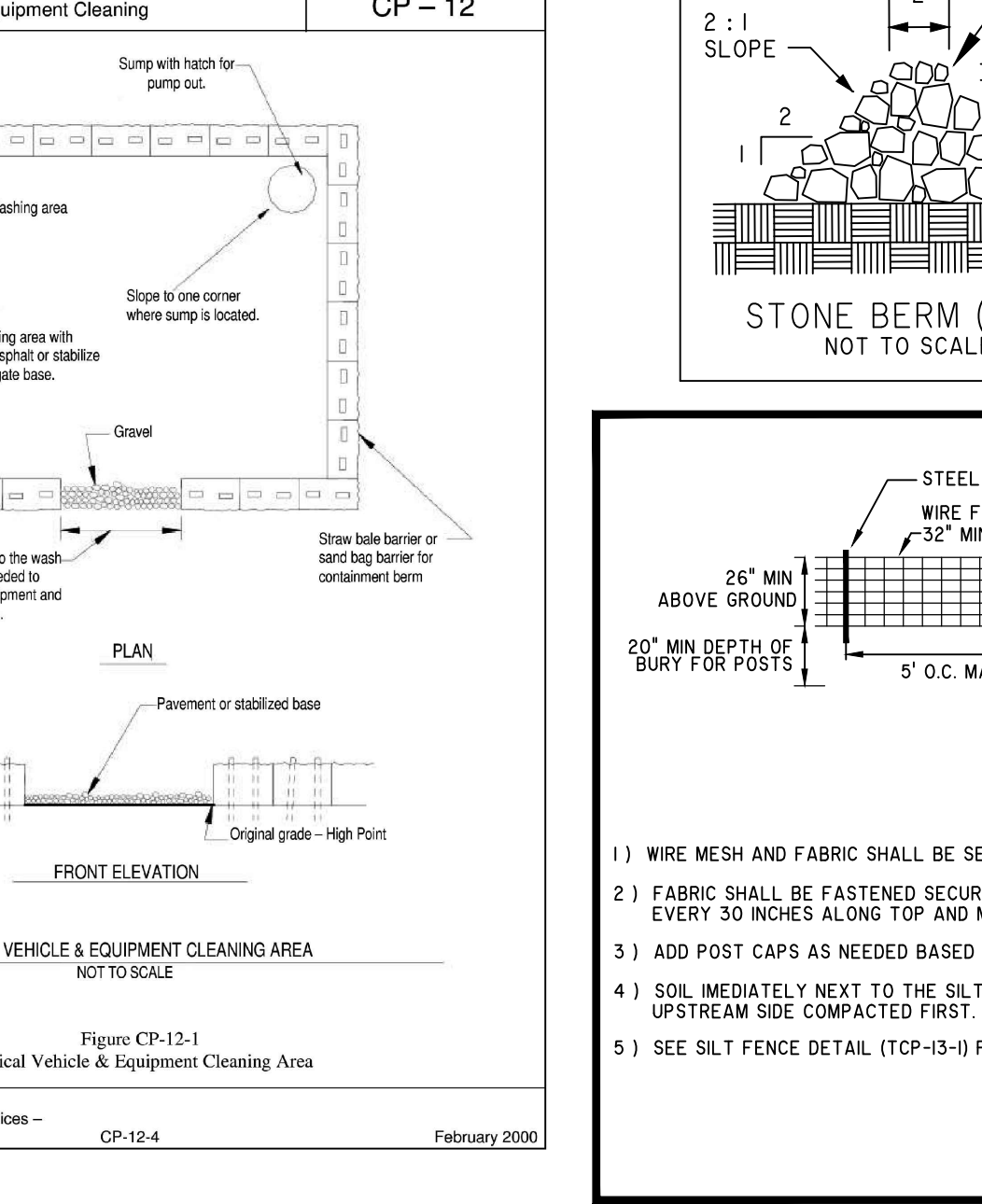
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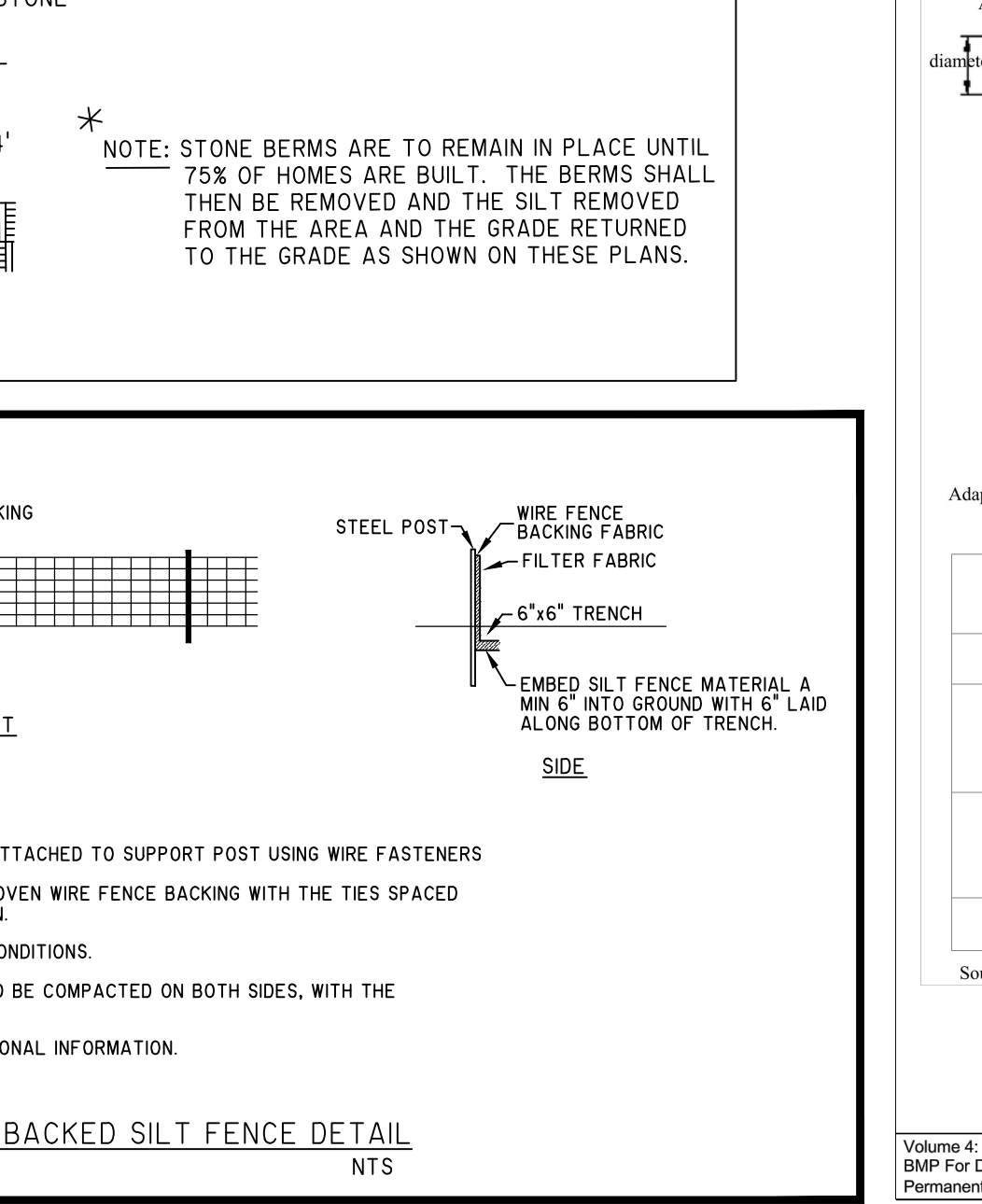
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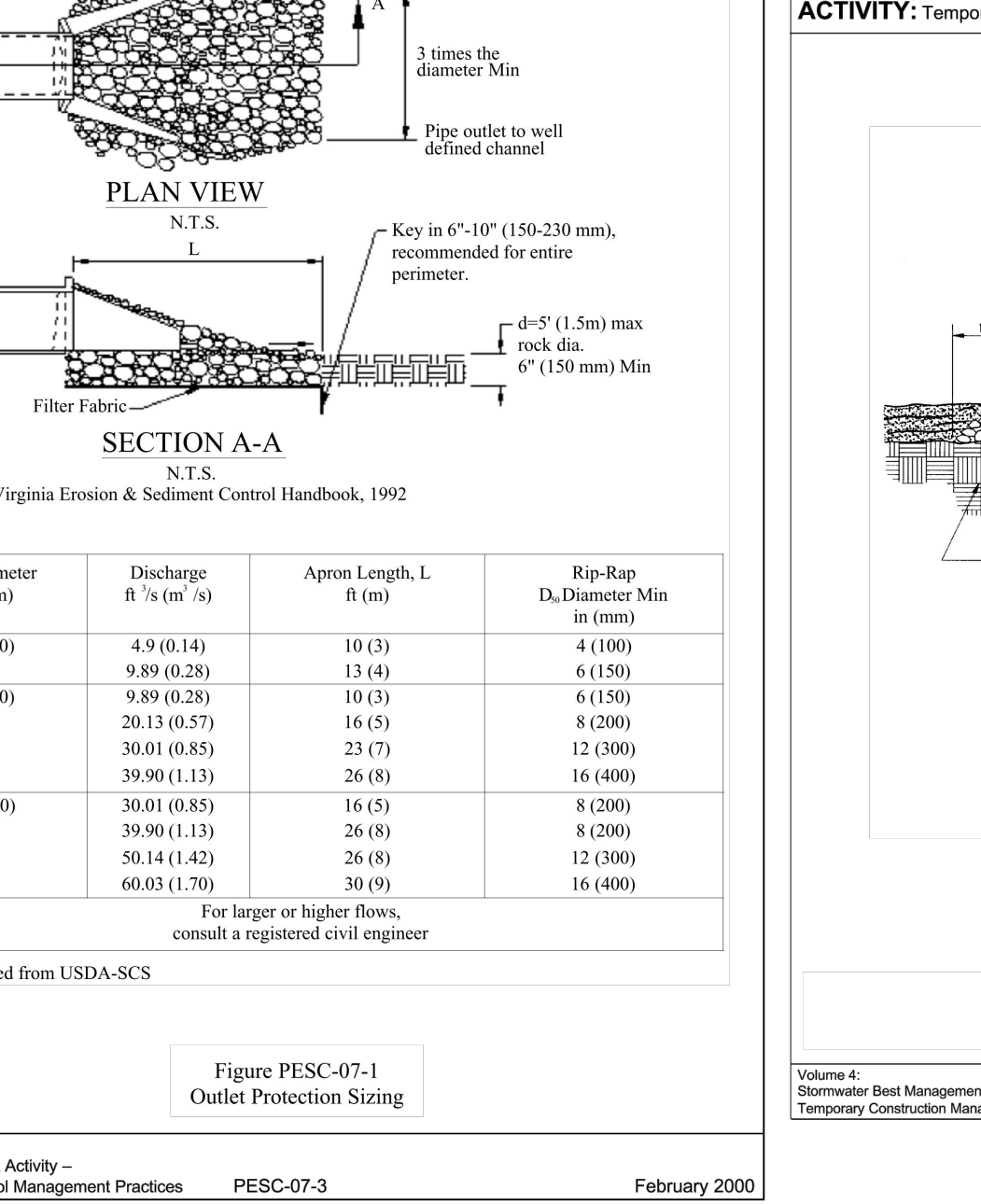
Volume 4: Stormwater Best Management Practices - Temp. Construction Site Management Practices	TCP-03-6	September 2013
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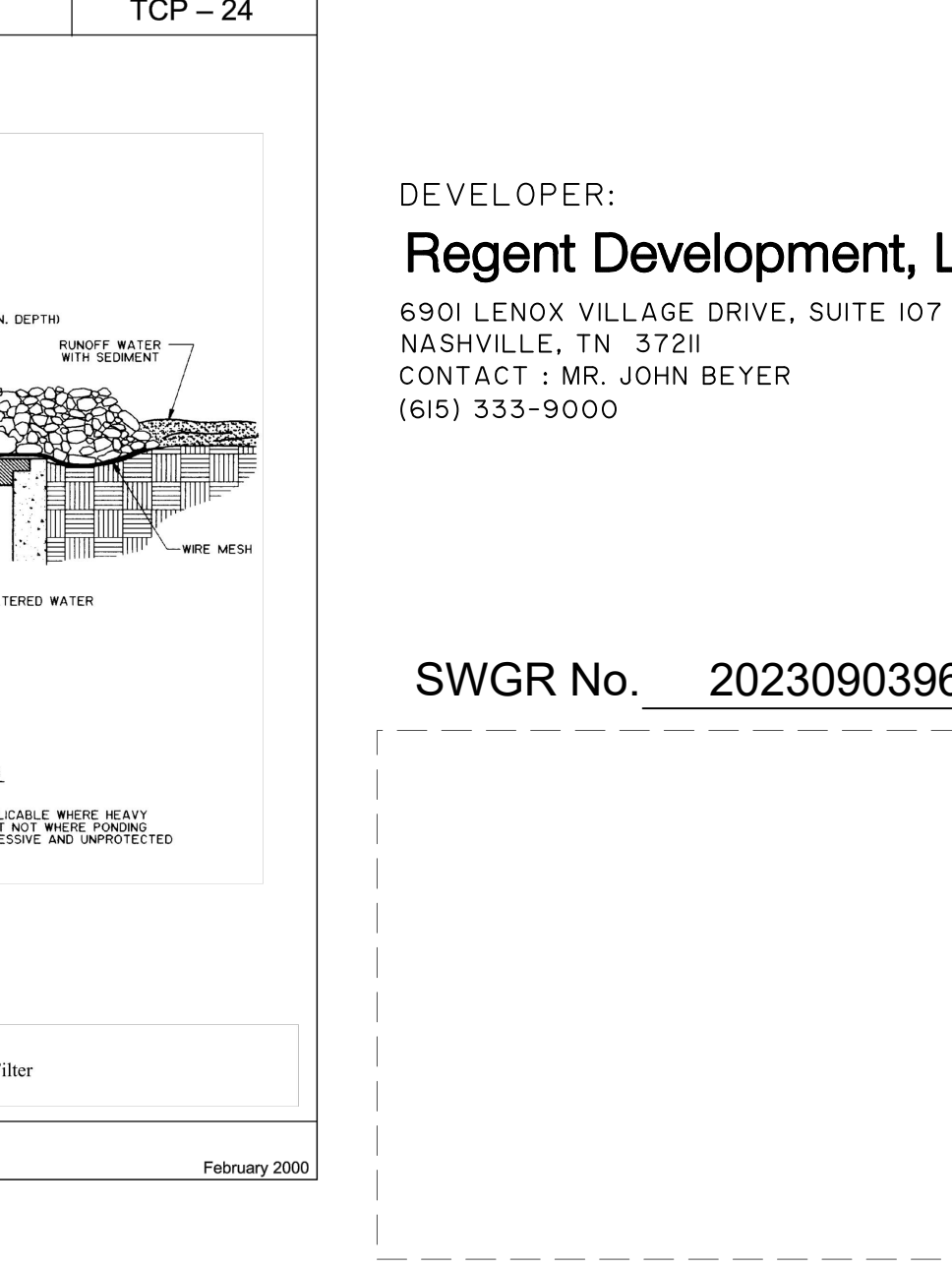
Volume 4: Stormwater Best Management Practices - Contractor Management Practices	CP-12-4	February 2000
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Volume 4: BMP For Development Activity - Permanent EAS Control Management Practices	PESC-07-3	February 2000
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Pipe Diameter in (mm)	Discharge ft³/s (m³/s)	Apron Length, L ft (m)	Rip-Rap D₅₀ Diameter Min in (mm)
12 (300)	4.9 (0.14)	10 (3)	4 (100)
18 (450)	9.89 (0.28)	13 (4)	6 (150)
	20.13 (0.57)	16 (5)	8 (200)
	30.01 (0.85)	23 (7)	12 (300)
	39.90 (1.13)	26 (8)	16 (400)
	50.14 (1.42)	26 (8)	8 (200)
	60.03 (1.70)	30 (9)	12 (300)
		30 (9)	16 (400)



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**DETAIL SHEET**  
02-02-24 AS PER METRO WATER SERVICES  
REVISIONS:

**Regent Development, LLC**  
DEVELOPER  
Anderson, Delk, Eggs & Associates Inc.  
ENGINEERING/PLANNING/SURVEYING  
618 GRASSMERE PARK DRIVE / SUITE 4  
NASHVILLE, TENNESSEE 37211



**Carothers Crossing**  
33rd Council District  
Nashville, Tennessee

PHASES 5B AND 10 SECTION 2A  
2005UD-003-007  
DETAIL SHEET  
DATE: 10-30-23  
JOB No. 17-130  
SHEET 3 OF 3

DEVELOPER:  
**Regent Development, LLC**  
6901 LENOX VILLAGE DRIVE, SUITE 107  
NASHVILLE, TN 37211  
CONTACT: MR. JOHN BEYER  
(615) 333-9000

SWGR No. 2023090396