TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Water Resources
William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243
1-888-891-8332 (TDEC)

Notice of Intent (NOI) for General NPDES Permit for Stormwater Discharges from Construction Activities (TNR100000)

Site or Project Name: Jasper Highlands Subdivision	***NPDES Tracking Number: TNR*** TNR112956
Street Address or Location: Off Timber Ridge Road	Construction Start Date: May 2024
	Estimated End Date:
Site Description: Residential Lot Development Phase For An Existing Subdivision	Latitude (dd.dddd): 35.060069
	Longitude (-dd.dddd): -85.68675
County(ies): Marion / MS4 Jurisdiction (if applicable): N/A	Acres Disturbed: 2,698.53
	Total Acres: 2,698.53

Check the appropriate box(s) if there are streams and/or wetlands on or adjacent to the construction site: Streams ☑ Wetlands ☐
If wetlands are located on-site and may be impacted, attach wetlands delineation report.
If an Aquatic Resource Alteration Permit (ARAP) has been obtained for this site, what is the permit number? NR1501.010, NR1501.011

Receiving waters: Raulston Branch and unnamed tributaries to West Fork, Town Creek, Glover Branch, Kimball Cove Branch, Kelly Cove Branch, Battle Creek, and Big Fiery Gizzard Creek

Attach the SWPPP with the NOI: SWPPP Attached ☐ | Attach a site location map: Map Attached ☐

Site Owner/Developer (Primary Permittee): (Provide person, company, or entity that has operational or design control over construction plans and specifications): Thunder Air Inc. dba Thunder Enterprises

For corporate entities only, provide correct Tennessee Secretary of State (SOS) Control Number: 000248890
(an incorrect SOS control number may delay NOI processing)

Site Owner or Developer Contact Name: (individual responsible for site) Mr. John Thornton		Title or Position: (the party who signs the certification below) Owner	
Mailing Address: 10213 TN-156		City: Guild	State: TN / Zip: 37340
Phone: (423) 265-0781	Fax: ( )	E-mail: thunder@thunderenterprises.com	
Optional Contact: Adam Driver		Title or Position: Project Engineer	
Mailing Address: 537 Market Street, Suite 202		City: Chattanooga	State: TN / Zip: 37402
Phone: (423) 266-3501	Fax: (423) 266-3286	E-mail: adam@adengineering.us	

Owner/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.

Owner/Developer Name: (print/type) ~~Mr. John Thornton~~ Dane Bradshaw Signature: Date: 5/15/24

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:	Date:
Contractor name, address, and SOS control number (if applicable):	Signature:	Date:

OFFICIAL STATE USE ONLY

Received Date:	Reviewer:	Field Office:	Permit Tracking Number: TNR	Exceptional TN Water:
Fee(s):	T & E Aquatic Flora/Fauna:	SOS Corporate Status:	Waters with Unavailable Parameters:	Notice of Coverage Date:

General Construction Permit Application
&
Storm Water Pollution Prevention Plan (SWPPP)

For

Jasper Highlands Subdivision
Off Timber Ridge Road
Marion County, Tennessee

Prepared For:

Mr. John Thornton
Thunder Air Inc. dba Thunder Enterprises
Jasper Highlands Project #: 16161
10213 TN-156
Guild, TN 37340
(423) 265-0781

Prepared By:

A.D. ENGINEERING

537 Market Street, Suite 202
Chattanooga, TN 37402
Phone: (423) 266-3501; Fax: (426) 266-3286
ADES Project Number: 16161

May 1, 2024

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SWPPP APPENDICES

STORM WATER CERTIFICATION PAGE

Project: Jasper Highlands Subdivision, Marion County, TN

Owner Certification:

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.

T. Dage Bradshaw, President — Representative of owner/developer, print or type

T. Dage Bradshaw — Signature

5/15/24 — Date

Address: P.O. Box 4737 Chattanooga, TN 37405 Phone: 423-265-0781

Contractor Certification:

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 onsite 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.

Primary contractor, print or type _____ Signature _____ Date _____

Address _____ Phone: _____

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 onsite 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.

Other contractor, print or type _____ Signature _____ Date _____

Address: _____ Phone: _____

SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING

1.1 Project/Site Information

Project/Site Name: Jasper Highlands Subdivision

Project Street/Location: Off Timber Ridge Road

City: Jasper State: TN Zip Code: 37380

County or Similar Subdivision: Marion County

Latitude: 35º 03' 36.25" N Longitude: 85º 41' 12.30" W

Existing NPDES project or permit tracking number: TNR112956

1.2 Contact Information/Responsable Parties

Owner:
Mr. John Thornton
Thunder Air Inc. dba Thunder Enterprises
10213 TN-156
Guild, TN
(423) 265-0781

Project Manager/24-Hour Contact:
Clarence Howard
Thunder Enterprises
10213 TN-156
Guild, TN
(423) 265-0781

This SWPPP Was Prepared By:
A.D. Engineering Services, Inc.
537 Market Street, Suite 202
Chattanooga, TN 37402
Phone: (423) 266-3501
Fax: (423) 266-3286

1.3 Introduction

This Stormwater Pollution Prevention Plan (SWPPP) will address the erosion and sediment control BMPs for land stabilization of the Jasper Highlands subdivision, a 2,698.53 acre development in Marion County, TN. The first three phases of the development were previously permitted under TDEC's NPDES Construction General Permit TNR100000, tracking number TNR112956, and construction of the subdivision began around October 2011. The entire development coverage was converted to individual permit, number TN0081949 on February 1st, 2018. The individual permit expired on January 31st, 2023 and an application to renew IP coverage was not provided to TDEC. This SWPPP has been prepared for a new general NPDES construction permit application for the entire development.

Because of the large area of the subdivision development, construction was previously broken up into three phases as construction progresses throughout the development:

1. Clearing and Grubbing Phase
2. Infrastructure Phase
3. Lot Development Phase

The clearing and grubbing phases and infrastructure phases have been completed and stabilized and the only remaining disturbances planned is the lot development phase.

Lot Development Phase

The Lot Development Phase consists of the development of individual homeowner lots. As individual lots are sold, the remainder of the subdivision will be developed by Thunder Enterprises or the new lot owners' house builders. Erosion control plans for typical individual lots are included with this SWPPP on the attached Erosion Control Details found in Appendix D. The development of the individual lots will be covered under the General Construction Permit as a part of a common plan of development.

The clearing and grubbing phase within the residential lot areas will include cutting, bush hogging, and mulching of above grade vegetation only. Stumps and root systems will typically not be removed during this phase within the residential lot areas. Construction will consist of using the onsite materials, i.e. trees, pine straw, leaf debris, to provide immediate stabilization with mulcher machines. Mulching machinery and tractors with bushhog mower attachments will be used to thin trees and undergrowth for the residential lots.

The heavy equipment proposed to be used for the clearing and grubbing phases for each residential lot may, due to its size and nature of work, create ruts, gullies and leave some areas of unstabilized soil within the construction site. Any observed ruts, gullies or loss dirt should be immediately stabilized with seed and straw or mulch. Additionally, stormwater runoff from storage and disposal of the shredded plant material could cause contamination of surface waters if not properly addressed during construction. Silt fence and or filter sock shall be installed downstream of any stockpiled

or stored plant material to be left in place on site for longer than two days or before a substantial rain event.
The order of activities for this phase will be as follows:

1. Post NOC in a prominent display near the entrance to the site.
2. Install rain gauge on site.
3. Install stabilized construction exit where new area of construction meets existing paved road.
4. Install silt fencing as indicated in the erosion control for individual lots details in the erosion and sediment control plans.
5. Use temporary vegetation to stabilize all disturbed areas where work has temporarily / permanently ceased for a period of 15 days. Use temporary vegetation to stabilize all steep slopes (35% or greater slope with 20-foot elevation change) where work has temporarily / permanently ceased for a period of 7 days.
6. Once finished grades are achieved, stabilize all non-paved, disturbed areas with permanent vegetation and straw matting or rock as shown on the attached Erosion & Sediment Control Plans.
7. When all house construction activity is complete and the disturbed areas are stabilized, remove silt fencing and other temporary erosion control devices.

1.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Soil type(s):

The following soil types have been identified on the soil survey provided by the National Resources Conservation Service (see Appendix D):

Bg – Bouldery colluvium, allen soil material (boulding) (HSG B)
Hb – Hartsells fine sandy loam, undulating phase (lily) (HSG B)
Hd – Hartsells fine sandy loam, rolling phase (lily) (HSG B)
He – Hartsells find sandy loam, eroded rolling phase (lily)
Ja – Jefferson fine sandy loam, rolling phase (HSG B)
Mf – Muskingum stony fine sandy loam, hilly phase (ramsey) (HSG D)
Mg – Muskingum stony fine sandy loam, steep phase (ramsey) (HSG D)
Rc – Rockland, sandstone (rock outcrop-Ramsey) (HSG D)

Slopes:

The project sits atop the Cumberland Plateau and is bordered to the east, south and west by the plateau's escarpment. Site slopes range from gently rolling to very steep.

Drainage Patterns:

Site stormwater runoff drains to the north into unnamed tributaries to West Fork Pryor Cove Branch, to the east into unnamed tributaries to Town Creek, to the east into unnamed tributaries to Glover Branch, to the south into Kimball Cove Branch, to the south into Raulston Branch, to the west into Kelly Cove Branch, to the west into unnamed tributaries to Battle Creek, and to the northwest into unnamed tributaries to Big Fiery Gizzard Creek. See the Outfall and Existing Conditions Plans and the Outfall Tables below for a breakdown of the portions of the site draining to each drainage basin.

Outfalls to Unnamed Tributaries to West Fork Pryor Cove Branch (303(d) listed for siltation impairment)			
Outfall No.	On-Site Drainage Area (ac)	Off-Site Drainage Area (ac)	Total Drainage Area (ac)
SW 1	0.00	184.42	184.42
SW 2	0.00	106.43	106.43
SW 3	0.00	27.36	27.36
SW 4	0.00	35.80	35.80
SW 5	0.00	60.65	60.65
SW 6	22.26	12.84	35.10
SW 7	3.47	0.00	3.47
SW 8	14.74	0.00	14.74
SW 9	1.52	0.00	1.52
SW 10	54.81	0.00	54.81
SW 11	1.46	0.00	1.46
SW 12	49.26	0.00	49.26
SW 13	0.64	0.00	0.64
SW 14	44.40	0.00	44.40
SW 15	2.81	0.00	2.81
SW 16	4.45	0.00	4.45
SW 17	3.26	0.00	3.26
SW 18	2.67	0.00	2.67
SW 19	1.09	0.00	1.09
SW 20	3.54	0.00	3.54
SW 21	35.49	0.00	35.49
SW 22	6.08	0.00	6.08
SW 23	2.35	0.00	2.35
Total On-Site DA =	254.30 ac		

Outfalls to Unnamed Tributaries to Town Creek (Exceptional Tennessee Waters)			
Outfall No.	On-Site Drainage Area (ac)	Off-Site Drainage Area (ac)	Total Drainage Area (ac)
SW 24	4.04	0.00	4.04
SW 25	1.93	0.00	1.93
SW 26	4.41	0.00	4.41
SW 27	1.61	0.00	1.61
SW 28	19.58	0.00	19.58
SW 29	8.22	0.00	8.22
SW 30	1.12	0.00	1.12
SW 31	1.35	0.00	1.35
SW 32	1.38	0.00	1.38
SW 33	2.30	0.00	2.30
Total On-Site DA =	45.94 ac		

Outfalls to Unnamed Tributaries to Glover Branch			
Outfall No.	On-Site Drainage Area (ac)	Off-Site Drainage Area (ac)	Total Drainage Area (ac)
SW 34	36.61	0.00	36.61
SW 35	2.94	0.00	2.94
SW 36	3.59	0.00	3.59
SW 37	15.59	0.02	15.61
SW 38	28.54	0.00	28.54
SW 39	1.21	0.00	1.21
SW 40	7.24	0.26	7.50
SW 41	2.32	0.00	2.32
SW 42	9.61	0.02	9.63
SW 43	1.58	0.00	1.58
SW 44	4.16	0.00	4.16
SW 45	6.84	0.00	6.84
SW 46	3.00	0.00	3.00
SW 47	6.19	0.00	6.19
SW 48	6.64	0.00	6.64
SW 49	5.91	0.00	5.91
SW 50	2.55	0.00	2.55
SW 51	5.41	0.00	5.41
SW 52	5.13	0.00	5.13
SW 53	1.57	0.00	1.57
Total On-Site DA =	156.63 ac		

Outfalls to Kimball Cove Branch			
Outfall No.	On-Site Drainage Area (ac)	Off-Site Drainage Area (ac)	Total Drainage Area (ac)
SW 54	4.83	0.00	4.83
SW 55	0.78	0.00	0.78
SW 56	4.71	0.00	4.71
SW 57	1.94	0.00	1.94
SW 58	8.71	0.00	8.71
SW 59	105.14	527.43	632.57
SW 60	2.20	0.00	2.20
SW 61	2.18	0.00	2.18
SW 62	9.44	5.66	15.10
SW 63	1.51	0.00	1.51
SW 64	3.86	0.00	3.86
SW 65	7.32	0.00	7.32
SW 66	47.48	127.60	175.08
SW 67	1.37	0.00	1.37
SW 68	31.83	0.00	31.83
SW 69	2.27	0.00	2.27
SW 70	4.06	0.00	4.06
SW 71	3.98	0.00	3.98
SW 72	20.42	0.00	20.42
SW 73	3.23	0.00	3.23
SW 74	4.87	0.00	4.87
SW 75	11.43	0.00	11.43
SW 76	5.24	0.00	5.24
SW 77	1.06	0.00	1.06
SW 78	32.55	0.39	32.94
SW 79	4.02	0.00	4.02
SW 80	3.26	0.00	3.26
Total On-Site DA =	329.70	ac	

Outfalls to Raulston Branch			
Outfall No.	On-Site Drainage Area (ac)	Off-Site Drainage Area (ac)	Total Drainage Area (ac)
SW 81	7.48	0.00	7.48
SW 82	21.72	0.00	21.72
SW 83	35.21	0.00	35.21
SW 84	11.00	0.00	11.00
SW 85	18.19	0.00	18.19
SW 86	49.03	0.00	49.03
SW 87	7.54	0.00	7.54
SW 88	1.51	0.00	1.51
SW 89	2.31	0.00	2.31
SW 90	5.44	0.00	5.44
SW 91	2.27	0.00	2.27
SW 92	39.96	0.00	39.96
SW 93	4.69	0.00	4.69
SW 94	32.52	0.00	32.52
SW 95	2.74	0.00	2.74
SW 96	2.99	0.00	2.99
SW 97	6.73	0.00	6.73
SW 98	36.29	259.47	295.76
SW 99	5.24	0.00	5.24
SW 100	2.26	0.00	2.26
SW 101	3.83	0.00	3.83
SW 102	8.01	0.00	8.01
SW 103	2.33	0.00	2.33
SW 104	14.69	0.00	14.69
SW 105	0.68	0.00	0.68
SW 106	9.52	22.72	32.24
SW 107	7.24	13.39	20.63
SW 108	3.93	0.00	3.93
SW 109	2.08	0.00	2.08
SW 110	1.83	54.57	56.40
SW 111	27.93	6.34	34.27
SW 112	6.13	0.00	6.13
SW 113	5.79	0.00	5.79
SW 114	7.53	0.00	7.53
SW 115	6.24	0.00	6.24
SW 116	11.82	0.00	11.82
SW 117	10.91	0.00	10.91
SW 118	5.98	0.00	5.98
SW 119	3.28	0.00	3.28

SW 120	0.92	0.00	0.92
SW 121	2.59	0.00	2.59
SW 122	1.65	0.00	1.65
SW 123	5.95	0.00	5.95
SW 124	1.37	0.00	1.37
SW 125	0.82	0.00	0.82
SW 126	6.55	0.00	6.55
SW 127	1.99	0.00	1.99
SW 128	2.59	0.00	2.59
SW 129	17.89	0.00	17.89
SW 130	2.17	0.00	2.17
SW 131	5.97	0.00	5.97
SW 132	1.45	0.00	1.45
Total On-Site DA =	486.79 ac		

Outfalls to Kelly Cove Branch			
Outfall No.	On-Site Drainage Area (ac)	Off-Site Drainage Area (ac)	Total Drainage Area (ac)
SW 133	3.98	0.00	3.98
SW 134	1.21	0.00	1.21
SW 135	2.48	0.00	2.48
SW 136	1.43	0.00	1.43
SW 137	1.42	0.00	1.42
SW 138	1.93	0.00	1.93
SW 139	1.75	0.00	1.75
SW 140	2.29	0.00	2.29
SW 141	1.15	0.00	1.15
SW 142	2.10	0.00	2.10
SW 143	1.97	0.00	1.97
SW 144	0.95	0.00	0.95
SW 145	1.76	0.00	1.76
SW 146	1.13	0.00	1.13
SW 147	4.16	0.00	4.16
SW 148	4.15	0.00	4.15
SW 149	7.18	0.00	7.18
SW 150	7.76	0.00	7.76
SW 151	25.31	0.00	25.31
SW 152	6.88	0.00	6.88
SW 153	82.45	120.24	202.69
SW 154	6.59	44.06	50.65
SW 155	3.15	0.00	3.15
SW 156	3.70	24.84	28.54

SW 157	5.31	13.41	18.72
SW 158	2.83	0.00	2.83
SW 159	4.67	0.00	4.67
SW 160	4.52	0.00	4.52
SW 161	8.74	0.00	8.74
SW 162	2.34	0.00	2.34
SW 163	9.37	15.72	25.09
SW 164	5.06	0.00	5.06
SW 165	1.09	0.00	1.09
SW 166	16.18	23.03	39.21
SW 167	2.12	0.00	2.12
SW 168	5.29	0.00	5.29
SW 169	5.98	0.00	5.98
SW 170	2.96	0.00	2.96
SW 171	22.65	431.95	454.60
SW 172	13.53	153.61	167.14
SW 173	8.70	203.33	212.03
SW 174	15.53	16.44	31.97
SW 175	4.90	0.00	4.90
SW 176	17.23	3.29	20.52
SW 177	14.55	0.00	14.55
SW 178	3.42	0.00	3.42
SW 179	2.42	0.00	2.42
SW 180	41.20	0.00	41.20
SW 181	1.98	0.00	1.98
SW 182	9.79	0.00	9.79
SW 183	2.60	0.00	2.60
SW 184	14.93	0.00	14.93
SW 185	3.46	0.00	3.46
SW 186	0.63	0.00	0.63
SW 187	1.20	0.00	1.20
SW 188	1.29	0.00	1.29
SW 189	5.55	0.00	5.55
SW 190	5.71	0.00	5.71
SW 191	2.97	0.00	2.97
SW 192	3.56	0.00	3.56
SW 193	5.34	0.00	5.34
SW 194	1.68	0.00	1.68
SW 195	0.83	0.00	0.83
SW 196	1.79	0.00	1.79
Total On-Site DA =	460.78 ac		

Outfalls to Unnamed Tributaries to Battle Creek (Exceptional Tennessee Waters)			
Outfall No.	On-Site Drainage Area (ac)	Off-Site Drainage Area (ac)	Total Drainage Area (ac)
SW 197	29.72	0.00	29.72
SW 198	3.05	0.00	3.05
SW 199	3.83	0.00	3.83
SW 200	3.19	0.00	3.19
SW 201	81.63	0.00	81.63
SW 202	1.66	0.00	1.66
SW 203	0.97	0.00	0.97
SW 204	1.69	0.00	1.69
SW 205	2.32	0.00	2.32
SW 206	4.70	0.00	4.70
SW 207	13.43	0.00	13.43
SW 208	56.24	0.00	56.24
SW 209	8.69	0.00	8.69
SW 210	2.65	0.00	2.65
SW 211	45.18	0.00	45.18
SW 212	3.43	0.00	3.43
SW 213	3.10	0.00	3.10
SW 214	5.51	0.00	5.51
SW 215	22.30	0.00	22.30
SW 216	1.85	0.00	1.85
SW 217	2.41	0.00	2.41
SW 218	86.76	0.00	86.76
SW 219	4.06	0.00	4.06
SW 220	2.45	0.00	2.45
SW 221	1.50	0.00	1.50
SW 222	1.28	0.00	1.28
SW 223	6.12	0.00	6.12
SW 224	1.43	0.00	1.43
SW 225	32.43	0.00	32.43
SW 226	2.87	0.00	2.87
SW 227	18.98	0.00	18.98
SW 228	1.48	0.00	1.48
SW 229	3.52	0.00	3.52
SW 230	5.50	0.00	5.50
SW 231	3.46	0.00	3.46
SW 232	2.17	0.00	2.17
SW 233	3.17	0.00	3.17
SW 234	30.39	0.00	30.39

SW 235	2.54	0.00	2.54
SW 236	11.92	0.00	11.92
SW 237	8.06	0.00	8.06
SW 238	4.30	0.00	4.30
SW 239	16.82	0.00	16.82
SW 240	2.10	0.00	2.10
SW 241	6.37	0.00	6.37
SW 242	3.10	0.00	3.10
SW 243	19.68	0.00	19.68
SW 244	1.65	0.00	1.65
SW 245	5.95	0.00	5.95
SW 246	2.05	0.00	2.05
SW 247	13.27	0.00	13.27
SW 248	4.01	0.00	4.01
Total On-Site DA =	606.94 ac		

Outfalls to Unnamed Tributaries to Big Fiery Gizzard Creek (Exceptional Tennessee Waters)			
Outfall No.	On-Site Drainage Area (ac)	Off-Site Drainage Area (ac)	Total Drainage Area (ac)
SW 249	3.50	0.00	3.50
SW 250	0.88	0.00	0.88
SW 251	5.86	0.00	5.86
SW 252	4.99	0.00	4.99
SW 253	4.88	0.00	4.88
SW 254	4.79	0.00	4.79
SW 255	9.26	0.00	9.26
SW 256	2.05	0.00	2.05
SW 257	1.47	0.00	1.47
SW 258	3.61	0.00	3.61
SW 259	2.39	0.00	2.39
SW 260	1.97	0.00	1.97
SW 261	3.39	0.00	3.39
SW 262	1.55	0.00	1.55
SW 263	2.74	0.00	2.74
SW 264	1.56	0.00	1.56
SW 265	2.17	0.00	2.17
SW 266	3.42	0.00	3.42
SW 267	34.13	0.00	34.13
SW 268	3.31	0.00	3.31
SW 269	6.15	0.00	6.15
SW 270	5.68	0.00	5.68
SW 271	7.09	0.00	7.09
SW 272	34.53	13.08	47.61
SW 273	1.96	0.00	1.96
SW 274	2.13	0.00	2.13
SW 275	19.88	37.36	57.24
SW 276	2.07	0.00	2.07
SW 277	16.31	11.93	28.24
Total On-Site DA =	193.73 ac		

Vegetation:

This site contains mostly deciduous wooded areas, evergreen wooded areas, and grassed fields.

Other:

There is no known historical contamination.

1.5 Receiving Waters

Description of receiving waters:

- unnamed tributaries to West Fork Pryor Cove Branch – 303(d) listed for siltation impairment
- unnamed tributaries to Town Creek – Exceptional Tennessee Waters
- unnamed tributaries to Glover Branch
- Kimball Cove Branch
- Raulston Branch
- Kelly Cove Branch
- unnamed tributaries to Battle Creek – Exceptional Tennessee Waters
- unnamed tributaries to Big Fiery Gizzard Creek – Exceptional Tennessee Waters

Several jurisdictional streams and wetlands have been identified onsite, and are shown on the erosion control drawings. 30-foot natural water quality riparian buffers have been identified on the plans adjacent to all waters of the state except for streams with unavailable parameters or Exceptional Tennessee Waters. 60-foot natural water quality riparian buffers have been identified on the plans adjacent to all streams with unavailable parameters and Exceptional Tennessee Waters.

1.6 Potential Sources of Pollution

The primary potential source of storm water pollution from this project site will be erosion of exposed soils entraining sediment in storm water runoff. Best management practices have been designed to 1) prevent erosion from occurring as well as 2) remove sediment from storm water in the event that erosion occurs.

Other potential pollutants include petroleum products and refuse that may be generated during site construction activities. The site contractor will be required to prevent escape of these pollutants and immediately clean up any observed spill or litter.

1.7 Water Resources Degradation

Because the pollutants typically associated with construction sites are difficult to measure numerically, it is not feasible to determine the amount of the assimilative capacity of receiving waters which is reduced by the discharge of construction stormwater runoff from the site. It has been determined that the suite of BMPs proposed in the SWPPP serve as the equivalent of a numeric limit. For this reason, the proper implementation of the proposed BMPs will result in the site's construction stormwater runoff causing de minimis degredation to the water quality of the receiving streams. Therefore, a social and economic justification for the proposed development and its impact to the water quality of the receiving streams has not been prepared.

1.8 Alternatives Analysis

Alternatives to the discharge of construction stormwater runoff from the site during the development of the subdivision were examined for this project. It was decided that pumping construction stormwater runoff to a treatment plant would not be feasible given the size and location of the development. It was also decided that preventing stormwater runoff from discharging from the site by collecting it and injecting it into the ground would not be practical, again, due to the size of the subdivision along with the permitting requirements and the construction of injection wells. For the reasons explained above, it was determined that there are no viable alternatives to the discharge of construction stormwater runoff from this site.

SECTION 2: EROSION AND SEDIMENT CONTROL BMPS

This Storm Water Pollution Prevention Plan, prepared for an general construction permit application, is developed in accordance with the Tennessee General NPDES Permit (TNR100000) for Storm Water Discharges Associated with Construction Activity (TNCGP), and is prepared using sound engineering practices. As such, the following Best Management Practices (BMPs) shall be utilized as specified below.

2.1 Minimize Disturbed Area and Protect Natural Features and Soil

Erosion and Sediment Controls – General Requirements

1. Erosion prevention and sediment controls used at the site are designed to control storm runoff generated by a 2-year, 24-hour storm event. Controls in the areas draining to streams with unavailable parameters and Exceptional Tennessee Waters are designed to control storm runoff generated by a 5-year, 24-hour storm event.
2. Perimeter erosion control measures shall be installed prior to any work on the site. These include silt fencing, a stabilized construction exit and sediment basins.

3. All control measures must be properly installed and maintained in accordance with the manufacturer's specifications and good engineering practices.
4. If sediment escapes the construction site, the contractor shall remove the accumulated sediment and restore the off-site area to a clean, sediment free condition.
5. Sediment should be removed from silt fences and other sediment controls as necessary to maintain these devices in a functional state. Sediment must be removed when the design capacity of the device is reduced by 50%. Sediment removed from these devices must be taken to a protected upland location on-site or to an approved off-site location.
6. Litter, construction debris, and construction chemicals exposed to storm water shall be picked up on a regular basis and the site shall be thoroughly cleaned of such items prior to anticipated storm events.
7. Work shall be sequenced to minimize the exposure time of bare soil areas.
8. Erosion and sediment control measures must be in place and functional before earth moving operations begin in an area, and must be maintained throughout construction. Temporary measures may be removed at the beginning of the workday but must be replaced at the end of the workday.
9. The following records shall be maintained on the site: the dates when major grading activities occur; the dates when construction activities temporarily or permanently cease on a portion of the site; and the dates when stabilization measures are initiated.

Erosion and Sediment Controls – Stabilization Practices

1. Only those areas of the site with approved erosion control plans shall be disturbed during stabilization activities.
2. Temporary stabilization measures include silt fence and check dams, which are noted on the plans.
3. Permanent stabilization measures include permanent seeding and mulching, riprap inlet/outlet protection, and stormwater basins.
4. Erosion control measures shall be initiated as soon as practical in portions of the site where stabilization activities have temporarily or permanently ceased, but in no case more than seven days after the activity in that portion of the site has temporarily or permanently ceased. Where activity is temporarily ceased in the affected area, and earth-disturbing activities will resume within 15 days, temporary stabilization measures do not have to be initiated in that area (7 days for steep slopes of 35% or greater and 20-foot or greater elevation change).
5. Temporary or permanent soil stabilization shall be accomplished within 15 days after final grading or other earthwork (7 day for steep slopes). Permanent stabilization with perennial grasses shall replace any temporary measures as soon as practical.

Erosion and Sediment Control – Structural Practices

1. The proposed plans prescribe the implementation of structural practices including silt fence, construction exits, riprap inlet and outlet protection, check dams, sediment basins, filter rings and construction road stabilization.
2. The primary contractor will be responsible for the installation, inspection and maintenance of structural control practices.
3. Polyacrylamide logs or forebays will be used at the inlet of each of the sediment basins per the erosion control plans. The “floc logs” contain a polymer that will bind to the clay particles to help the particles to settle out of the water.
4. Muddy water to be pumped from excavation and work areas must be filtered before being discharged into surface waters.

2.2 Post-Construction Stormwater Management

Stormwater will be managed in several ways after construction is completed in each area of the site. Permanent stabilization will be used to stabilize any bare soil areas after grading operations have ceased. Swales will be permanently stabilized with vegetation or rock armoring and riprap outlet protection will be placed at each culvert outlet. After construction activities have ceased and permanent stabilization has been achieved in the area draining to a sediment basin, the outfall structure will be retrofitted to convert the basin into a permanent stormwater detention basin which will control post-development peak runoff rates.

SECTION 3: GOOD HOUSEKEEPING BMPS

Good Housekeeping BMPs

Each contractor is responsible to provide litter control for trash generated by his crew. A dumpster for garbage will be located near the construction trailer and is limited to garbage and paper trash only. Paint cans, oil cans, used oil, and filters will be contained and disposed of by the contractor by taking them to a proper disposal facility.

Any spillage noted during fueling of equipment and vehicles will be removed immediately. Contaminated soils will be placed on heavy plastic and covered or placed into approved containers to prevent contact with storm water. The contractor shall properly train his staff to contain and clean up any leaks or spills.

SECTION 4: MAINTENANCE, INSPECTIONS and MONITORING

4.1 Maintenance

1. Ensure that vegetation, erosion and sediment control measures and other protective measures identified in this plan are kept in good and effective operating condition. Maintenance needs identified in inspections or by other means shall be accomplished before the next storm event if possible, but in no case more than seven days after the need is identified. If maintenance prior to the next anticipated storm event is impractical, maintenance must be scheduled and accomplished as soon as practical.
2. All measures will be maintained in good working order. Sediment shall be removed from sediment controls at or before the point when 50% of the design capacity is full. If repair is necessary, it will be initiated within 48 hours of identification.
3. If the controls are installed and maintained correctly, but are found to provide an inadequate level of protection, contractor or owner will contact A.D. Engineering Services to make revisions to this plan and these revisions will be implemented by the contractor.
4. If sediment enters waters of the State, TDEC-WPC will be notified immediately and consulted with concerning removal of said sediment if required.
5. Removal of standing muddy water from the site shall be accomplished with a pump/filter bag combination or said water will be diverted into existing sediment control devices via a pump.

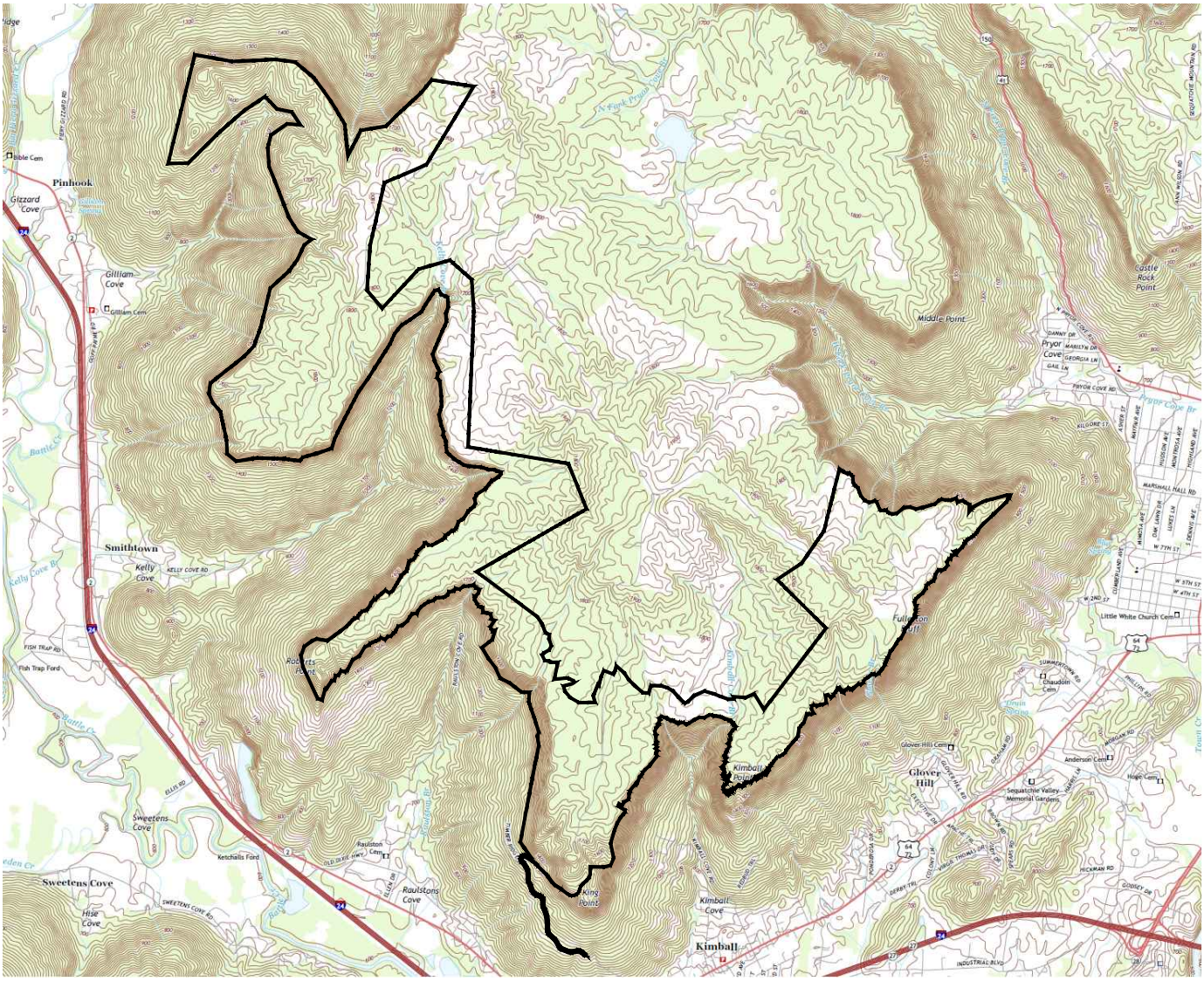
4.2 Site Inspection and Records

1. The contractor shall conduct inspections of the erosion controls at a minimum of twice per week in all portions of the site which have not yet achieved permanent stabilization. The inspections shall be performed by a person with a valid certification from the “Fundamentals of Erosion Prevention and Sediment Control Level I” course. A blank inspection form is located in Appendix B.
2. The contractor shall keep completed inspection and maintenance reports on-site and readily available to TDEC personnel on request. Inspection and maintenance reports will be submitted to TDEC within 10 days upon request.
3. Contractor shall maintain a copy of the NOI and the SWPPP on-site and readily available to TDEC personnel on request.
4. Contractor shall keep a daily log of rain gauge readings on-site and readily available to TDEC personnel on request.
5. Silt fence will be inspected for excess sediment accumulation, damage, security of attachment to fence post, and to ensure that the fence and fence posts are buried properly into the ground.
6. Temporary and permanent seeding and plantings shall be inspected for bare spots, washouts and poor growth.

SECTION 5: NOTICE OF TERMINATION

Prepare and submit Notice of Termination (NOT) to TDEC once the construction activities are completed and the final stabilization of the site is in place. A copy of this form is located in Appendix A.

APPENDIX A
Topographic Map
Notice of Intent (NOI)
Notice of Termination (NOT)



NORTH

GRAPHIC SCALE

5,000 0 2,500 5,000 10,000

1 inch = 5,000 ft.

ENGINEERING SERVICES, INC.
COMPLETE ENGINEERING & DESIGN SERVICES
651 E. 4th Street, Suite 407
Chattanooga, TN 37403
PH: (423) 266-3501 FAX: (423) 266-3286

for

JASPER HIGHLANDS
Marion County, TN

ADES JOB NO. 16161

DATE: 12/28/2016

SCALE: 1" = 5,000'

SITE LOCATION MAP

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Water Resources
William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243
1-888-891-8332 (TDEC)

Notice of Intent (NOI) for General NPDES Permit for Stormwater Discharges from Construction Activities (TNR100000)

Site or Project Name: Jasper Highlands Subdivision	***NPDES Tracking Number: TNR*** TNR112956
Street Address or Location: Off Timber Ridge Road	Construction Start Date: May 2024
	Estimated End Date:
Site Description: Residential Lot Development Phase For An Existing Subdivision	Latitude (dd.dddd): 35.060069
	Longitude (-dd.dddd): -85.68675
County(ies): Marion / MS4 Jurisdiction (if applicable): N/A	Acres Disturbed: 2,698.53
	Total Acres: 2,698.53

Check the appropriate box(s) if there are streams and/or wetlands on or adjacent to the construction site: Streams ☑ Wetlands ☐
If wetlands are located on-site and may be impacted, attach wetlands delineation report.
If an Aquatic Resource Alteration Permit (ARAP) has been obtained for this site, what is the permit number? NR1501.010, NR1501.011

Receiving waters: Raulston Branch and unnamed tributaries to West Fork, Town Creek, Glover Branch, Kimball Cove Branch, Kelly Cove Branch, Battle Creek, and Big Fiery Gizzard Creek

Attach the SWPPP with the NOI: SWPPP Attached ☐ | Attach a site location map: Map Attached ☐

Site Owner/Developer (Primary Permittee): (Provide person, company, or entity that has operational or design control over construction plans and specifications): Thunder Air Inc. dba Thunder Enterprises

For corporate entities only, provide correct Tennessee Secretary of State (SOS) Control Number: 000248890
(an incorrect SOS control number may delay NOI processing)

Site Owner or Developer Contact Name: (individual responsible for site) Mr. John Thornton		Title or Position: (the party who signs the certification below) Owner	
Mailing Address: 10213 TN-156		City: Guild	State: TN / Zip: 37340
Phone: (423) 265-0781	Fax: ( )	E-mail: thunder@thunderenterprises.com	
Optional Contact: Adam Driver		Title or Position: Project Engineer	
Mailing Address: 537 Market Street, Suite 202		City: Chattanooga	State: TN / Zip: 37402
Phone: (423) 266-3501	Fax: (423) 266-3286	E-mail: adam@adengineering.us	

Owner/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.

Owner/Developer Name: (print/type) ~~Mr. John Thornton~~ Dane Bradshaw Signature: Date: 5/15/24

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:	Date:
Contractor name, address, and SOS control number (if applicable):	Signature:	Date:

OFFICIAL STATE USE ONLY

Received Date:	Reviewer:	Field Office:	Permit Tracking Number: TNR	Exceptional TN Water:
Fee(s):	T & E Aquatic Flora/Fauna:	SOS Corporate Status:	Waters with Unavailable Parameters:	Notice of Coverage Date:

CONSTRUCTION GENERAL PERMIT - NOTICE OF INTENT (NOI) - INSTRUCTIONS

A completed NOI must be submitted to obtain coverage under the CGP. **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.** CGP coverage is required for stormwater (SW) 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 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, etc.). A separate annual maintenance fee is also required for activities that exceed 1 year under CGP coverage. See TN Rules, Chapter 0400-40-11-.02(b)(12).

Acres Disturbed	= or > 150 acres	= or > 50 < 150 acres	= or > 20 < 50 acres	= or > 5 < 20 acres	= or > 1 < 5 acres	Subsequent coverage
Fee	$10,000	$6,000	$3,000	$1,000	$250	$100

Who must submit the NOI form? All site operators must submit an NOI form. "Operator" for the purpose of this permit and in the context of SW 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 land owner of the construction site, and 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 initial site-wide primary permittee, any subsequent NOI submittals must include the site's previously assigned permit tracking number and the project name. The comprehensive site-specific SWPPP shall be prepared in accordance with the requirements of part 3 of the permit and must be submitted with the NOI unless the NOI being submitted is to add a subsequent permittee to an existing coverage. Artificial entities (e.g., corporations or partnerships) must submit the correct Tennessee Secretary of State, Division of Business Services, control number. **The NOI will be considered incomplete without a correct control number, and the division reserves the right to deny coverage to artificial entities that are not properly registered and in good standing with the Tennessee Secretary of State.**

Complete the form: Type or print clearly. Answer each item or enter "NA," for not applicable. 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 and comprehensive site-specific SWPPP (if applicable).**

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 information available to describe the location (reference to adjacent highways, roads and structures; eg., intersection of state highways 70 and 100). Latitude and longitude (in decimal degrees) can be found at numerous other web sites. Attach a copy of a 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.

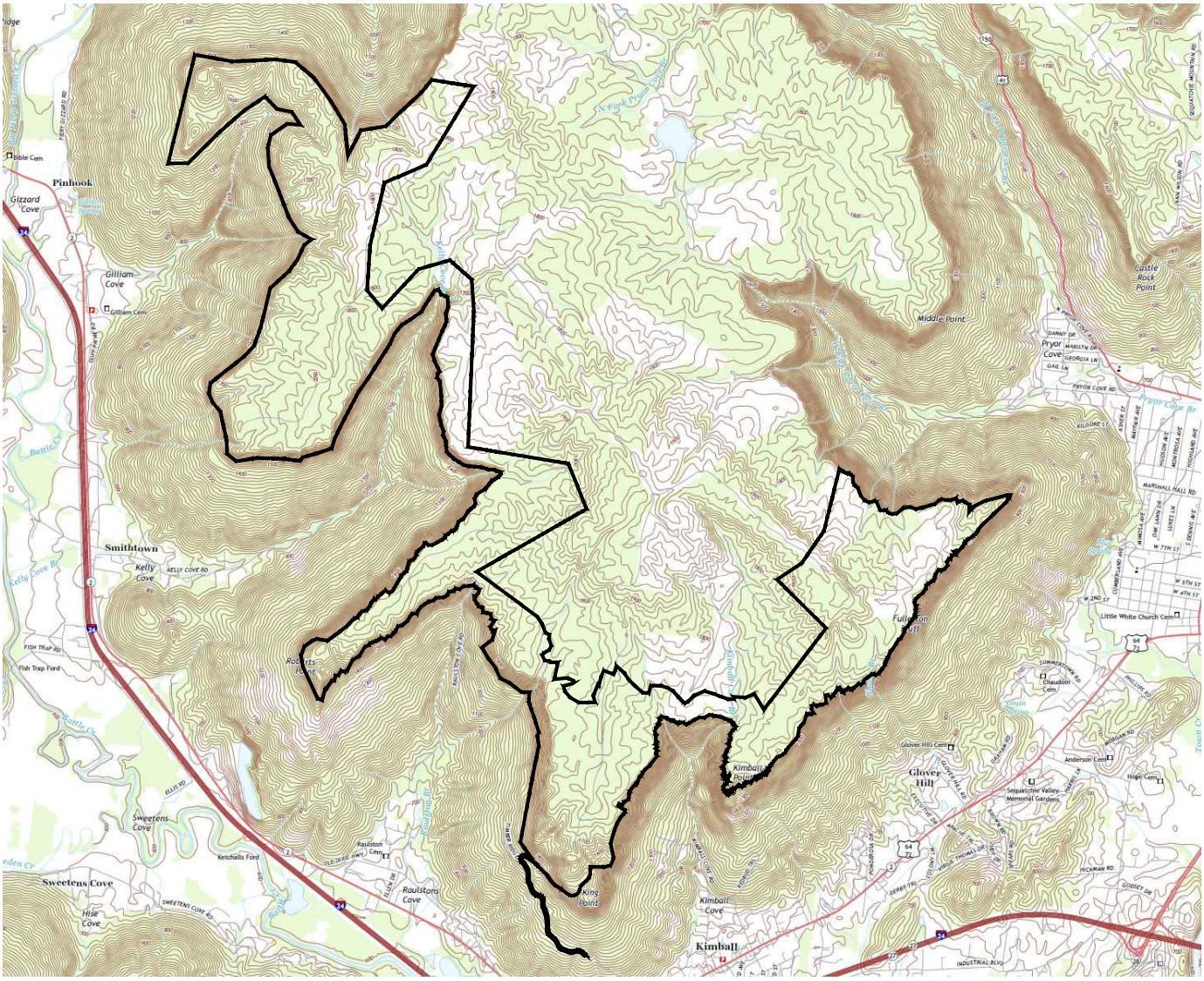
Name of the receiving waters: Trace the route of SW runoff from the site and determine the name of the water course(s) into which the stormwater runoff drains. Note that the receiving water course may or may not be located on the construction site. If the first water body receiving construction site runoff is unnamed ("unnamed tributary"), determine the name of the waterbody 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 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**.

Notice of Coverage: The division will review NOIs for completeness and accuracy and issue an NOC to site-wide primary operators, authorizing SW discharge from the construction site as of the effective date of the NOC. New subsequent operators will not receive an NOC, but are considered covered under the permit when their permit record is published on TDEC's dataviewer as "active" and with an effective date. TDEC Permit Dataviewer can be found at: http://environment-online.tn.gov:8080/pls/enf_reports/f?p=9034:34001:0

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 Pkwy, Suite 206	37402
Nashville	711 R S Gass Boulevard	37243	Knoxville	3711 Middlebrook Pike	37921
Columbia	1421 Hampshire Pike	38401	Johnson City	2305 Silverdale Road	37601



NORTH

GRAPHIC SCALE

5,000 0 2,500 5,000 10,000

1 inch = 5,000 ft.

ENGINEERING SERVICES, INC.
COMPLETE ENGINEERING & DESIGN SERVICES
651 E. 4th Street, Suite 407
Chattanooga, TN 37403
PH: (423) 266-3501 FAX: (423) 266-3286

for

JASPER HIGHLANDS
Marion County, TN

ADES JOB NO. 16161

DATE: 12/28/2016

SCALE: 1" = 5,000'

SITE LOCATION MAP

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC)
Division of Water Resources
William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243
1-888-891-TDEC (8332)

Notice of Termination (NOT) for General NPDES Permit for Stormwater Discharges from Construction Activities (CGP)

This form is required to be submitted when requesting termination of coverage from the CGP. The purpose of this form is to notify the TDEC that either all stormwater discharges associated with construction activity from the portion of the identified facility where you, as an operator, have ceased or have been eliminated; or you are no longer an operator at the construction site. Submission of this form shall in no way relieve the permittee of permit obligations required prior to submission of this form. Please submit this form to the local DWR Environmental Field Office (EFO) address (see table below). For more information, contact your local EFO at the toll-free number 1-888-891-8332 (TDEC).

Type or print clearly, using ink.

Site or Project Name: Jasper Highlands Subdivision	**NPDES Tracking Number: TNR** TNR112956
Street Address or Location: Off Timber Ridge Road	County(ies): Marion

Name of Permittee Requesting Termination of Coverage: Thunder Air Inc. dba Thunder Enterprises			
Permittee Contact Name: Mr. John Thornton	Title or Position: Owner		
Mailing Address: 10213 TN-156	City: Guild	State: TN	Zip: 37340
Phone: (423) 265-0781	E-mail: thunder@thunderenterprises.com		

Check the reason(s) for termination of permit coverage:

☐	Stormwater discharge associated with construction activity is no longer occurring and the permitted area has a uniform 70% permanent vegetative cover OR has equivalent measures such as rip rap or geotextiles, in areas not covered with impervious surfaces.
☐	You are no longer the operator at the construction site (i.e., termination of site-wide, primary or secondary permittee coverage).

Certification and Signature: (must be signed by president, vice-president or equivalent ranking elected official)

I certify under penalty of law that either: (a) all stormwater discharges associated with construction activity from the portion of the identified facility where I was an operator have ceased or have been eliminated or (b) I am no longer an operator at the construction site. I understand that by submitting this notice of termination, I am no longer authorized to discharge stormwater associated with construction activity under this general permit, and that discharging pollutants in stormwater associated with construction activity to waters of the United States is unlawful under the Clean Water Act where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this notice of termination does not release an operator from liability for any violations of this permit or the Clean Water Act.

For the purposes of this certification, elimination of stormwater discharges associated with construction activity means that all stormwater discharges associated with construction activities from the identified site that are authorized by a NPDES general permit have been eliminated from the portion of the construction site where the operator had control. Specifically, this means that all disturbed soils at the portion of the construction site where the operator had control have been finally stabilized, the temporary erosion and sediment control measures have been removed, and/or subsequent operators have obtained permit coverage for the site or portions of the site where the operator had control.

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.

Permittee name (print or type):	Signature:	Date:

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

APPENDIX B
Inspection Certification
Rainfall Record Sheets

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC)

Division of Water Resources
William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243
1-888-891-8332 (TDEC)

General NPDES Permit for Stormwater Discharges from Construction Activities (CGP)

Construction Stormwater Inspection Certification (Twice-Weekly Inspections)

Site or Project Name:		**NPDES Tracking Number: TNR**
Primary Permittee Name:		Date of Inspection:
Current approximate disturbed acreage:	Has rainfall been checked/documented daily? Yes No	Name of Inspector:
Current weather conditions:		Inspector's Training Certification Number:

Please check the box if the following items are on-site:

Notice of Coverage (NOC) Stormwater Pollution Prevention Plan (SWPPP) Twice-weekly inspection documentation

Site contact information Rain Gage Off-site Reference Rain Gage Location: _____

Best Management Practices (BMPs):

Are the Erosion Prevention and Sediment Controls (EPSCs) functioning correctly: If "No," describe below in Comment Section			
1.	Are all applicable EPSCs installed and maintained per the SWPPP?	Yes	No
2.	Are EPSCs functioning correctly at all disturbed areas/material storage areas per section 4.1.5?	Yes	No
3.	Are EPSCs functioning correctly at outfall/discharge points such that there is no objectionable color contrast in the receiving stream, and no other water quality impacts per section 5.3.2?	Yes	No
4.	Are EPSCs functioning correctly at ingress/egress points such that there is no evidence of track out?	Yes	No
5.	If applicable, have discharges from dewatering activities been managed by appropriate controls per section 4.1.4? If "No," describe below the measures to be implemented to address deficiencies.	Yes	No
6.	If construction activity at any location has temporarily/permanently ceased, was the area stabilized within 14 days per section 3.5.3.2? If "No," describe below each location and measures taken to stabilize the area(s)	Yes	No
7.	Have pollution prevention measures been installed, implemented, and maintained to minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters per section 4.1.5? If "No," describe below the measures to be implemented to address deficiencies.	Yes	No
8.	If a concrete washout facility is located on site, is it clearly identified on the project and maintained? If "No," describe below the measures to be implemented to address deficiencies. N/A	Yes	No
9.	Have all previous deficiencies been addressed? If "No," describe remaining deficiencies in Comment section. Check if deficiencies/corrective measures have been reported on a previous form.	Yes	No

Comment Section. If the answer is "No" for any of the above, please describe the problem and corrective actions to be taken. Otherwise, describe any pertinent observations:

Certification and Signature (must be signed by the certified inspector and the permittee per Sections 3.5.8.2 (g) and 7.7.2 of the CGP)

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.

Inspector Name and Title:	Signature:	Date:
Primary Permittee Name and Title:	Signature:	Date:

Construction Stormwater Inspection Certification Form (Twice-Weekly Inspections)

Purpose of this form/ Instructions

An inspection, as described in section 3.5.8.2. of the General Permit for Stormwater Discharges from Construction Activities ("Permit"), shall be performed at least twice every calendar week and documented on this form. Inspections shall be performed at least 72 hours apart. Where sites or portion(s) of construction sites have been temporarily stabilized, or runoff is unlikely due to winter conditions (e.g., site covered with snow or ice), such inspection only has to be conducted once per month until thawing results in runoff or construction activity resumes.

As described in section 3.5.8.1 of the Permit, 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 (http://www.tnepsc.org/). Twice weekly inspections can also be performed by: a licensed professional engineer or landscape architect; a Certified Professional in Erosion and Sediment Control (CPESC) or a person who has successfully completed the "Level II Design Principles for Erosion Prevention and Sediment Control for Construction Sites" course. A copy of the certification or training record for inspector certification should be kept on site.

Qualified personnel, (provided by the permittee or cooperatively by multiple permittees) shall inspect disturbed areas of the construction site that have not been finally stabilized, areas used for storage of materials that are exposed to precipitation, structural control measures, locations where vehicles enter or exit the site, and each outfall.

Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the site's drainage system. Erosion prevention and sediment control measures shall be observed to ensure that they are operating correctly.

Outfall points (where discharges leave the site and/or enter waters of the state) shall be inspected to determine whether erosion prevention and sediment control measures are effective in preventing significant impacts to receiving waters. Where discharge locations are inaccessible, nearby downstream locations shall be inspected. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

Based on the results of the inspection, any inadequate control measures or control measures in disrepair shall be replaced or modified, or repaired as necessary, before the next rain event if possible, but in no case more than 7 days after the need is identified.

Based on the results of the inspection, the site description identified in the SWPPP in accordance with section 3.5.1 of the Permit and pollution prevention measures identified in the SWPPP in accordance with section 3.5.2 of the Permit, shall be revised as appropriate, but in no case later than 7 days following the inspection. Such modifications shall provide for timely implementation of any changes to the SWPPP, but in no case later than 14 days following the inspection.

All inspections shall be documented on this Construction Stormwater Inspection Certification form. Alternative inspection forms 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 a written approval from the division to use the alternative form. Inspection documentation will 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.

Trained certified inspectors shall complete inspection documentation to the best of their ability. Falsifying inspection records or other documentation or failure to complete inspection documentation shall result in a violation of this permit and any other applicable acts or rules.

RAINFALL RECORD SHEET

Month/Year : _____

Day	Rainfall (inches)	Start Time	End Time	Misc./outside temp.
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
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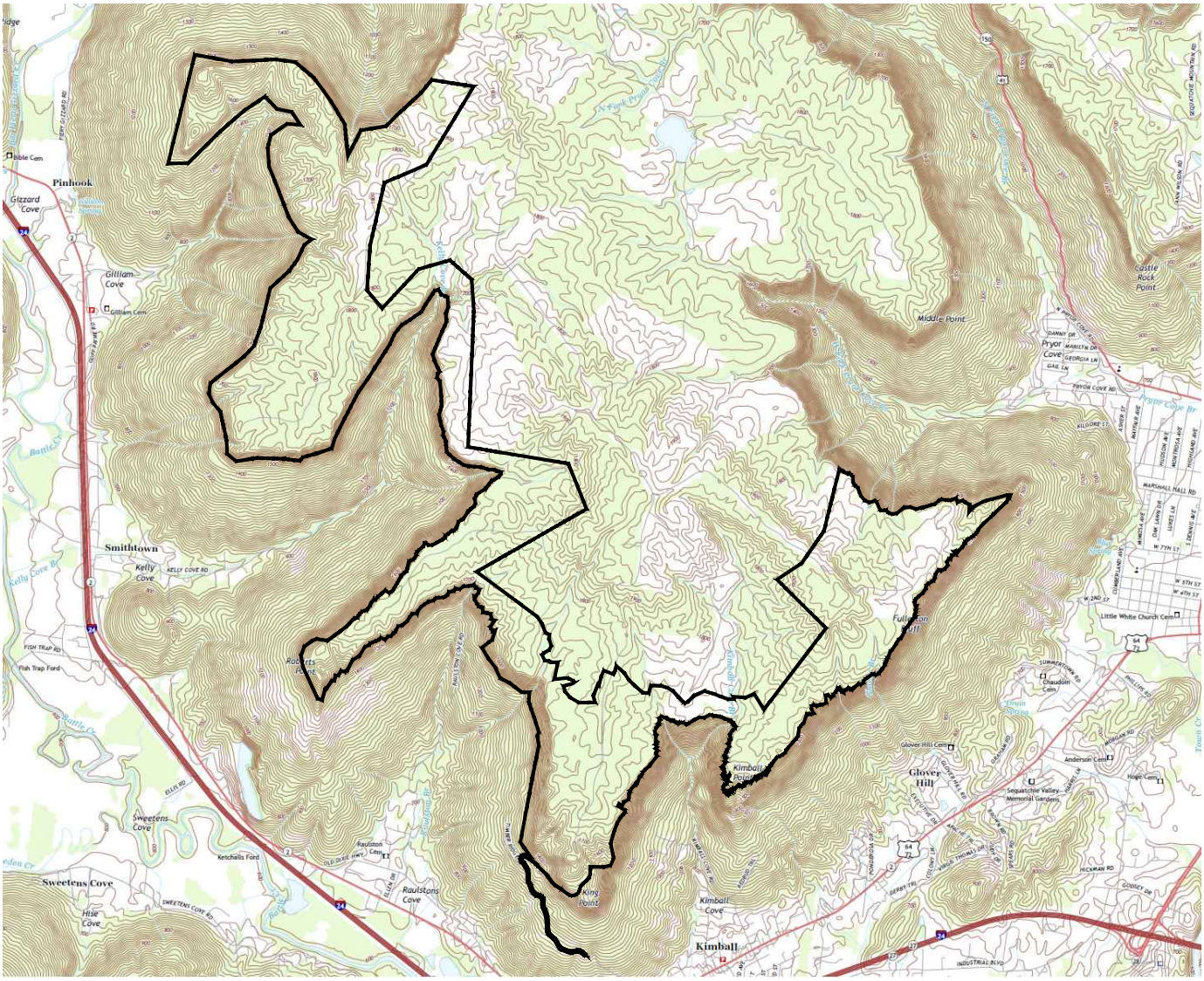
29				
30				
31				

APPENDIX C
BMP Specifications and Details

- Mulch Stabilization
- Permanent Vegetation
- Temporary Vegetation
- Construction Exit
- Sediment Basin
- Silt Fence
- Outlet Protection



NORTH

GRAPHIC SCALE

5,000 0 2,500 5,000 10,000

1 inch = 5,000 ft.

ENGINEERING SERVICES, INC.
COMPLETE ENGINEERING & DESIGN SERVICES
651 E. 4th Street, Suite 407
Chattanooga, TN 37403
PH: (423) 266-3501 FAX: (423) 266-3286

for

JASPER HIGHLANDS
Marion County, TN

ADES JOB NO. 16161

DATE: 12/28/2016

SCALE: 1" = 5,000'

SITE LOCATION MAP

FW: TNR114257 Jasper Highlands GP

Nikki Carpenter <Nikki.Carpenter@tn.gov>

Tue 6/4/2024 3:35 PM

To:Cali Calderwood <Cali.Calderwood@tn.gov>;Hannah L. Biggs <Hannah.L.Biggs@tn.gov>

3 attachments (5 MB)

Jasper Highlands SWPPP.pdf; Signed NOI.pdf; Project and Disturbed Area Map.pdf;

Please upload

TN Department of Environment & Conservation

Nikki Carpenter | Environmental Scientist
Division of Water Resources
Chattanooga Environmental Field Office
1301 Riverfront Parkway, Suite 206
Chattanooga, TN 37402
(423) 661-5267
Nikki.Carpenter@tn.gov
tn.gov/environment

From: Mike Hodges <mike@adengineering.us>
Sent: Tuesday, June 4, 2024 12:19 PM
To: Nikki Carpenter <Nikki.Carpenter@tn.gov>
Subject: [EXTERNAL] RE: TNR114257 Jasper Highlands GP

Nikki,

Thank you for review and comments.

Yes, the project limits of disturbance, constructed basin locations, outfalls and drainage areas are the same as the original Individual Permitted Plans. The only difference is the roadway infrastructure and basins are existing onsite now instead of being proposed since they were constructred under the original IP. To keep the disturbed area simple, the owner would like to continue to cover the entire project area (2,698.53 Acres) under a new CGP even though the actual disturbance within the project area at any given time will be minimal and isolated to individual house lots. I have attached the overall project area / limits of disturbance map and added it to Appendix A of the SWPPP. I have also updated the NOI form to show 2,698.53 Acres as the disturbed area and included the updated NOI form in Appendix A of the SWPPP (see attached).

Please let me know if you have any questions.

Thanks.

Mike Hodges, P.E.

A.D. ENGINEERING

537 Market Street, Suite 202
Chattanooga, TN 37402
Ph: 423-266-3501
Mike@ADEngineering.us
ADEngineering.us

From: Nikki Carpenter <Nikki.Carpenter@tn.gov>
Sent: Tuesday, June 04, 2024 10:12 AM
To: Mike Hodges <mike@adengineering.us>
Subject: TNR114257 Jasper Highlands GP

Mike – please complete the NOI with the disturbed acres. I have seen some of the correspondence between you and Jennifer, so I know the intent of this submittal is to replace the previous IP. As you probably know, I wasn't the original reviewer for Jasper Highlands, so this is the first time I'm seeing any of these plans. In your email to Jennifer, you stated ADE was hired to show current site conditions – are the basins and LOD, with respect outfalls and drainage areas, consistent with the original plans? Is the LOD line the entirety of each lot etc. as shown on the key sheet for each phase, or will you be proposing LOD on lots only? I know this site already had coverage, so I'll turn this around once I hear back and get disturbed acreage.
Thanks,

TN Department of Environment & Conservation

Nikki Carpenter | Environmental Scientist
Division of Water Resources
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