

## COVENANTS FOR PERMANENT MAINTENANCE OF STORMWATER FACILITIES AND BEST MANAGEMENT PRACTICES

THE TERM STORMWATER FACILITIES MAY REFER TO WATER QUANTITY AND/OR WATER QUALITY FACILITIES (i.e. detention basins, retention basins, swales, pipes, oil/water separators, sand filtering devices, etc.)

Worley Builders, Inc., (an individual/ a Tennessee or other state corporation/ partnership) with its (office/ residence) located at 11549 Snyder Rd., Knoxville, Tennessee 37932 (hereinafter "Property Owner") grants these Covenants for Maintenance of Stormwater and/or Water Quality Facilities (hereinafter "Covenants") on this the 2 day of JUNE, 2016.

#### WITNESSETH:

WHEREAS, The Knox County Stormwater Ordinance requires property owners to enter into permanent maintenance agreements for stormwater and/or water quality facilities before the property is developed.

**NOW THEREFORE**, as a condition of the Engineering Department's issuance of a Grading Permit, the Property Owner warrants, covenants, and grants as follows:

1. That they will fully execute a stormwater maintenance facility and stormwater maintenance documents and the Engineering Department shall record the same in the Register's Office for Knox County, Tennessee.

The Property Owner further warrants that they are the owner of the property located in Knox County at <u>0 Black Rd.</u> (a portion of CLT Parcel # 130-12901) in District 6 and that a final map and plat has been prepared, said map and plat being prepared by <u>W. Scott Williams and</u> Associates on the 31st day of May, 2016.

The Property Owner further agree that said map and plat shall be recorded in the Register's Office as soon as the recording of this stormwater agreement takes place and a copy of the recorded plat and map be furnished to the Knox County Engineering Department.

- 2. The Property Owner desires to develop all or a portion of the above described property according to the Grading Permit issued by Knox County based on the Property Owner's site/subdivision plan entitled <u>The Final Plat Of: Blackstone S/D- Unit 1</u> dated <u>May 31, 2016</u> and prepared by <u>W. Scott Williams and Associates</u> (hereinafter "Plan").
- 3. The Property Owner will construct and maintain the stormwater and/or water quality facilities in strict accord with the Plan, specifications, calculations, and conditions required by the Engineering Department.
- 4. The Property Owner shall provide a surety bond, letter of credit, or cash bond acceptable to Knox County and in an amount to be determined by the Engineering Department in a sum sufficient to guarantee that the stormwater and/or water quality facilities are constructed in accordance with the plan.
- 5. To ensure that subsequent property owners have notice of these Covenants and the obligations therein, the Property Owner will include in all instruments conveying any or all of the above described property on which the stormwater and/or water quality facilities are located, the



specific instrument numbers referencing these Covenants and the recorded subdivision plat indicated in paragraph 12 herein.

- 6. The Property Owner will maintain the approved stormwater and/or water quality facilities in good working order acceptable to the County Engineering Department. Minimum maintenance of said facilities shall include sediment, debris, oil, hydrocarbons, and foreign materials removal; cutting and removal of woody vegetation on an annual basis; and keeping emergency spillways functional and clear of woody vegetation and debris so that the operation and capacity of the stormwater and/or water quality facilities continue to meet the standards in said Plan.
- 7. In order to provide access to stormwater and/or water quality facilities by personnel, vehicles and equipment, the Property Owner will provide a twenty (20) foot wide access with an easement from a public street in strict accord with the Plat and any additional conditions required by the Engineering Department. The Property Owner further covenants that no structure or building will be erected on the access easement; that no woody vegetation will be allowed to grow on the access easement; and that no use will be made which will interfere with the use of said easement for the purpose of accessing the facilities. If access to the facilities is obstructed and the County is required to remove the obstruction the County will follow the notice procedure, double lien, and collection process as set forth in paragraph 9 herein. In addition the easement provided above is further described by Metes and Bounds in said Plan.
- 8. The Property Owner grants permission to the County, its agents and employees, to enter upon the property to inspect and monitor said facilities whenever the County deems necessary and further for the County or its agents to repair, replace, maintain, and reconstruct said facilities as permitted herein.
- 9. (a) If the County determines that the stormwater detention and/or water quality facilities are not being maintained in good working order and gives written notice to the current Property Owner to repair, replace, reconstruct, or maintain said facilities within a reasonable time, and the Property Owner fails to comply with the County's notice within the time specified, the Property Owner authorizes the County or its agents to enter upon the Property to repair, reconstruct, replace or perform maintenance on said facilities at the Property Owner's expense.
- (b) The Property Owner further authorizes the County to place a lien for double the amount of said expenses of repair, maintenance or reconstruction against the property.
- (c) If the Property Owner fails to pay the County after forty-five (45) days written notice, the Property Owner authorizes the County to collect said expenses from the Property Owner through the appropriate legal action, with the Property Owner to be liable for the reasonable expenses of collection, court costs, and attorney fees.
- (d) The Property Owner recognizes, however, that this remedy does not obligate the County to maintain or repair any stormwater facilities and/or water quality facilities or restrict the County from pursuing other or additional legal remedies against the Property Owner.
- 10. These Covenants shall be binding on the Property Owner's heirs, administrators, executors, successors, and assigns, and any and all subsequent property owners. Upon conveyance of the Property, these Covenants shall transfer to and be binding upon the new property owner and the original Property Owner shall be released from any and all responsibilities and obligations under these Covenants.

- 11. These Covenants are permanent and shall run with the land.
- 12. The Property Owner shall, upon the recording of this covenant for permanent maintenance of stormwater, record a plat showing and accurately defining the easements for stormwater and/or water quality facilities and the access easements to these facilities on a survey plat of record. The survey plat must reference the instrument number where these Covenants are recorded and contain a note that the Property Owner is responsible for maintaining the facility.
- 13. The Engineering Department will record the Covenants for permanent maintenance of stormwater facilities and the Property Owner shall be responsible for providing to the Engineering Department a check made payable to the Knox County Register of Deeds in the amount sufficient to pay for the said recording. The property of the recorded document shall be returned to the Property Owner and a copy to the Knox County Law Department before the final plat is signed by the Engineering Department and before all or any portion of the property is transferred or conveyed.
- 14. Upon the Property Owner's satisfaction of all duties set forth in this Covenant and proof of same, the Property Owner may make application to the County for the return or refund of the bond, letter of credit, or cash bond.

PROPERTY OWNER/ AUTHORIZED AGENT:

| int Name Here)<br>gn Name Here) | . ^ | <br>NORYEY<br>DIJY | JR. | , PRESIDE | <b>3</b> V7 |
|---------------------------------|-----|--------------------|-----|-----------|-------------|
|                                 |     |                    |     |           |             |

Before me the undersigned authority, a Notary Public at Large of the State of Tennessee, personally appeared Row Workey , with whom I am personally acquainted, and who, upon oath, executed the foregoing instrument for the purposes therein contained, and who further acknowledged that he or she is the Authorized Agent of Worley Builders, Inc. and is authorized by Worley Builders, Inc. to execute this instrument on behalf of same.

WITNESS my hand and official seal at office in Knox County, Tennessee this the day of June , 2016.

The New York Public

My Commission Expires: 12-23-18.

STATE OF TENNESSEE

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| STATE OF TENNESSEE ) COUNTY OF KNOX )  |
|--|
| Before me the undersigned authority, a Notary Public at Large of the State of Tennessee, personally appeared, with whom I am personally acquainted, and who, upon oath, executed the foregoing instrument for the purposes therein contained, and who further acknowledged that he or she is the Mayor of Knox County, Tennessee and is authorized by Knox County, Tennessee to execute this instrument on its behalf.   |
| WITNESS my hand and official seal at office in Know County, Tennessee this the day of August, 2016.  |
| My Commission Expires: 5Feb 2017  NOTARY: PUBLIC: NOTARY: PUBL |
|  |
|  |
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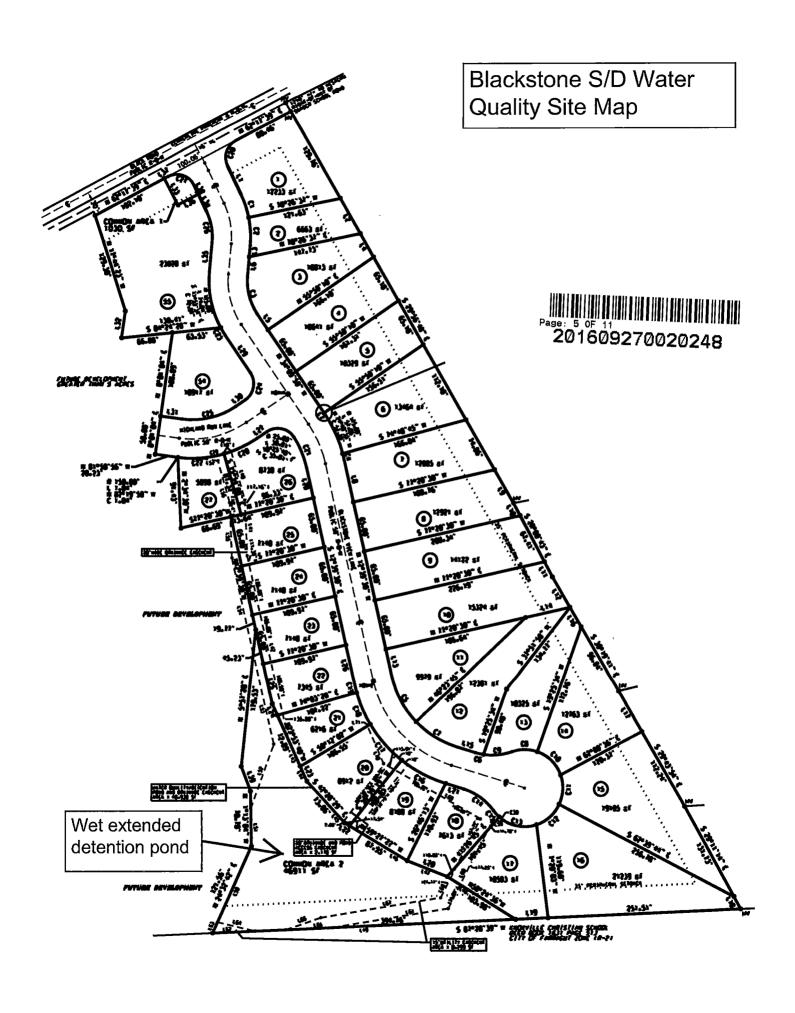
KNOX CONNTY, TENNESSEE

By: Knox County Mayor

APPROVED AS TO LEGAL FORM:

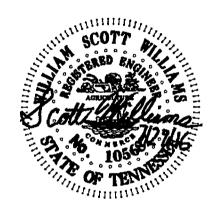
CONTRACT NO. 16-323

DATE



# Stormwater Operations and Maintenance Manual Blackstone S/D

Black Road Knox Co., Tennessee



Prepared by:
W. Scott Williams and Associates
4530 Annalee Way
Knoxville, TN 37921
865-692-9809

July 29, 2016



### Contents

Inspection report for Stormwater management ponds

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### Operation and Maintenance Inspection Report for Storm Water Management Ponds

| Inspector Name   | Project Location |
|------------------|------------------|
| Inspection Date  |                  |
| Storm Water Pond |                  |
| Normal Pool      |                  |
| Normally Dry     | Watershed        |

| Inspection Items  | Checked?<br>Yes / No | Maintenance<br>Needed?<br>Yes / No | Inspection<br>Frequency | Comments |
|---|----------------------|------------------------------------|-------------------------|----------|
| Pond Components   |                      |                                    |                         |          |
| Embankment and Emergency Spillway   |                      |                                    | Α                       |          |
| a) Adequate Vegetation and ground cover   |                      |                                    | Α                       |          |
| b) Embankment Erosion   |                      |                                    | Α                       |          |
| c) Animal Burrows   |                      |                                    | Α                       |          |
| d) Unauthorized plantings   |                      |                                    | Α                       |          |
| e) Crackling, bulging, or sliding of dam  |                      |                                    |                         |          |
| i) Upstream face  |                      |                                    | Α                       |          |
| ii) Downstream Face   |                      |                                    | Α                       |          |
| iii) Emergency Spillway   |                      |                                    | Α                       |          |
| Pond, toe, and chimney drains clear and functioning                                   |                      | :                                  | Α                       |          |
| g) Leaks on downstream face   |                      |                                    | _ A                     |          |
| h) Abutment protection or riprap failures   |                      |                                    | Α                       |          |
| <ul> <li>i) Visual settlement or horizontal misalignment of<br/>top of dam</li> </ul> |                      |                                    | Α                       |          |
| j) Emergency spillway clear of debris   |                      |                                    | Α                       |          |
| k) Other (specify)  |                      |                                    | Α                       |          |



|  | <del></del> |   |
|--|-------------|---|
| 2) Riser and principal spillway                  |             | 4 |
| Type: Reinforced concrete                        |             |   |
| Corrugated Pipe                                  |             |   |
| Masonry  |             |   |
| a) Low flow orifice obstructed                   | A           |   |
| b) Low flow trash rack                           |             |   |
| i) Debris removal necessary                      | A           |   |
| ii) Corrosion control                            | A           |   |
| c) Weir trash rack                               |             |   |
| i) Debris removal necessary                      | A           |   |
| ii) Corrosion Control                            | A           |   |
| d) Excessive sediment accumulation inside riser  | Α           |   |
| e) Concrete/Masonry condition Riser and barrels  |             |   |
| i) Cracks or displacement                        | Α           |   |
| ii) Minor spalling (<1")                         | Α           |   |
| iii) Major spalling (rebars exposed)             | Α           |   |
| iv) Joint failures                               | Α           |   |
| v) Water tightness                               | А           |   |
| f) Metal Pipe condition                          | Α           |   |
| g) Control Valve                                 |             |   |
| i) Operational/excercised                        | A           |   |
| ii) Chained and locked                           | Α           |   |
| h) Pond drain valve                              |             |   |
| i) Operational / exercised                       | A           |   |
| ii) Chained and locked                           | Α           |   |
| i) Outfall channels flowing                      | Α           |   |
| j) Other (specify)                               | A           |   |
| 3) Permanent pool (wet ponds)                    |             |   |
| a) Undesirable vegetative growth                 | М           |   |
| b) Floating or floatable debris removal required | М           |   |
| c) Visible pollution                             | М           |   |
| d) High water marks                              | М           |   |
| e) Shoreline problems                            | М           |   |
| f) Other (verify)                                | M           |   |

|  | <del></del> |   |
|--|-------------|---|
| 4) Sediment forebays                             |             |   |
| a) Sedimentation Noted                           | M           |   |
| b) Sediment removal when depth <50% design depth | м           |   |
| 5) Dry pond areas                                |             |   |
| a) Vegetation adequate                           | М           |   |
| b) Undesirable vegetative growth                 | М           |   |
| c) Undesirable woody vegetation                  | M           | _ |
| d) Low flow channels clear of obstructions       | М           |   |
| e) Standing water or wet spots                   | M           |   |
| f) Sediment and/or trash accumulation            | M           |   |
| g) Other (specify)                               | М           |   |
| 6) Condition of outfalls into ponds              |             |   |
| a) Riprap failures                               | A, S        |   |
| b) Slope erosion                                 | A, S        |   |
| c) Storm drain pipes                             | A, S        |   |
| d) Endwalls / headwalls                          | A, S        |   |
| e) Other (specify)                               | A, S        |   |
| 7) Other   |             |   |
| a) Encroachments on ponds or easement area       | М           |   |
| b) Complaints from residents (describe on back)  | M           |   |
| c) Aesthetics                                    |             |   |
| i) Grass height                                  | М           |   |
| ii) Graffiti removal necessary                   | м           |   |
| iii) Other (specify)                             | м           |   |
| d) Any public hazards (specify)                  | M           |   |
| e) Maintenance access                            | М           |   |
| 8) Constructed wetland areas                     |             |   |
| a) Vegetation healthy and growing                | Α           |   |
| b) Evidence of invasive species                  | A           |   |
| c) Excessive sedimentation in wetland area       | Α           |   |

Inspection Frequency Key: A = Annual, M = Monthly, S = After major storm

| Sumn | nary                    |                         |
|------|-------------------------|-------------------------|
| 1.   | Inspector Remarks:      |                         |
|      |                         |                         |
|      |                         |                         |
|      |                         |                         |
|      |                         |                         |
| 2.   | Overall condition of Fa | cility (check one)      |
|      |                         | Acceptable              |
|      |                         | Unacceptable            |
| 3.   | Dates any maintenance   | e must be completed by: |
|      |                         |                         |
|      |                         |                         |
|      |                         |                         |
|      |                         |                         |
|      |                         |                         |
|      |                         | Inspectors Signature    |