



Berlin-Cross Keys Road Improvement Project Contract 1
Boroughs of Berlin and Pine Hill and Township of Winslow, Camden County, New Jersey
Camden County
Bid No. B9-19

Maser Consulting Project No 19002364G

Progress Report # 1
Friday, November 8, 2019



Figure 1: Crew installing stone construction entrance



Figure 2: Hay Bale Sediment Control Device



Figure 3: Crew installing silt fence.



Gerald A. Barrett, LLC mobilized on Friday, November 8, 2019 at 7:00am. The items that were completed are not individual pay items but are included in various other pay items in the contract.

• **ITEMS COMPLETED THIS PAST WEEK**

- Installation of six hundred linear feet of silt fence.
- Installation of fifty-five square yards the construction entrance.
- Removal of several galvanized fence post from the chain-link fence.
- Removal of seven hundred linear feet of chain-link fence material.
- Installation of ten hay bales around the three storm water flared-end outfall structures.
- Removal of seven hundred linear feet of galvanized upper rail of the chain-link fence.

• **PROPOSED PROGRESS OVER THE NEXT WEEK**

- Clearing of all trees and shrubs.
- Complete all soil erosion measures.
- Stripping and stockpiling of existing top soil.
- Starting the excavation of the west and east slope of the existing basin.
- Complete the removal of all galvanized fence post from the existing chain-link fence.
- The contractor will continue to work 7:00 AM to 3:30 PM.
- The contractor doesn't plan to work weekends as of now.

• **NEXT MEETING**

- Next Progress Meeting is scheduled for Tuesday, November 19, 2019 at 10:00 AM (Tentative).

<u>Notice to Proceed Date:</u>	October 14, 2019
<u>Contract Completion Date:</u>	March 12, 2020
<u>Anticipated Completion Date:</u>	March 12, 2020

Prepared By: Dennis S. Brown, C.E.T.
Maser Consulting, P.A.

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John Wolick, Director of Camden County Department of Public Works
Dominic Vesper, Jr. Deputy County Administrator
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Progress Report #9
Friday, January 3, 2020



Figure 1: Contractor installing the REDI-ROCK base block on the west retaining wall.



Figure 2: Crew backfilling REDI-ROCK retaining wall block with No.57 stone..



Figure 3: Contractor formed and poured the concrete collar around the existing R.C.P.



- **CONTRACT ITEMS COMPLETED THIS WEEK**
 - Item No.16 Retaining Wall 440 S.F.

- **ITEMS COMPLETED THIS PAST WEEK**
 - Crew installed and compacted the No.57 stone in the west retaining wall footing.
 - Crew received several loads of REDI-ROCK retaining wall block each day.
 - Crew completed the adjustments of the REDI-ROCK cap blocks on the east wall.
 - Crew continued to receive loads of No.57 stone for backfilling of the retaining wall.
 - Crew installed 76.50 sections of REDI-ROCK retaining wall block on the east wall. .

- **PROPOSED PROGRESS OVER THE NEXT WEEK**
 - Delivery of additional No.57 stone for backfill of the footing and retaining wall.
 - Delivery of additional REDI-ROCK retaining wall blocks for the west wall.
 - Contractor will complete the backfilling and compaction of the east retaining wall cap.
 - The contractor will continue to work 7:00 AM to 3:30 PM. Monday thru Friday.
 - The sub-contractor has requested to work on various Saturdays to complete the west wall.

- **NEXT MEETING**
 - Progress Meeting No.2 is scheduled for Wednesday 15, 2019 at 2:00pm.
Location: Camden County Department of Public Works building.

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Progress Report #10
Friday, January 10, 2020



Figure 1: Contractor installing the REDI-ROCK cap block on the west retaining wall.



Figure 2: Crew completed the west REDI-ROCK retaining wall.

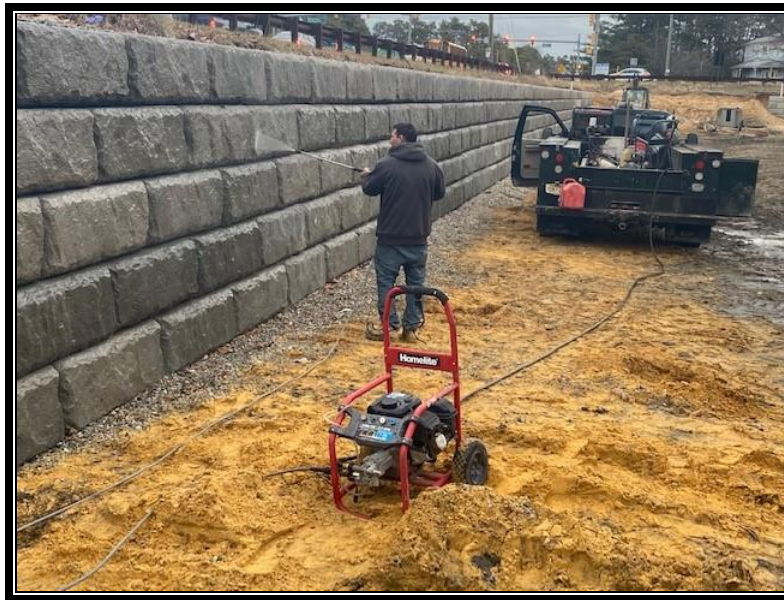


Figure 3: Contractor power-washing the REDI-ROCK retaining wall.



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- **CONTRACT ITEMS COMPLETED THIS WEEK**
 - Item No.16 Retaining Wall 1,389 S.F.

- **ITEMS COMPLETED THIS PAST WEEK**
 - Sub-contractor completed the west REDI-ROCK retaining wall.
 - Sub-contractor installed the under-drain pipe for the west retaining wall.
 - Crew received several loads of REDI-ROCK retaining wall block each day.
 - Crew continued to receive loads of No.57 stone for backfilling of the retaining wall.
 - Crew installed 241.50 sections of REDI-ROCK retaining wall block on the east wall.

- **PROPOSED PROGRESS OVER THE NEXT WEEK**
 - Delivery of additional No.57 stone for backfill of the REDI-ROCK retaining wall.
 - Sub-contractor will complete the backfilling and compaction of the west retaining wall.
 - Sub-contractor will complete the backfilling and compaction of the east retaining wall.
 - Sub-contractor is scheduled to start the installation of the chain-link fence.
 - Barrett plans on filling, compacting and grading the slopes at the end of the east and west REDI-ROCK retaining walls as per plans and specs.
 - The contractor will continue to work 7:00 AM to 3:30 PM. Monday thru Friday.

- **NEXT MEETING**
 - Progress Meeting No.2 is scheduled for Wednesday 15, 2019 at 2:00pm.
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Progress Report # 2
Friday, November 15, 2019



Figure 1: Crew falling trees



Figure 2: Crew chipping branches.



Figure 3: Crew stumping trees on west slope..



The items that were completed are not individual pay items but are included in various other pay items in the contract.

- **ITEMS COMPLETED THIS PAST WEEK**
 - Installation of sixty linear feet of silt fence thus completing the silt fence installation.
 - Removal of several galvanized fence post from the chain-link fence.
 - Removal of all trees by chain saw and chipper.
 - Removal of all but four stumps.

- **PROPOSED PROGRESS OVER THE NEXT WEEK**
 - Removal of the four remaining stumps.
 - Stripping and stockpiling of existing top soil.
 - Starting the excavation of the west and east slope of the existing basin.
 - The contractor will continue to work 7:00 AM to 3:30 PM.
 - The contractor doesn't plan to work weekends as of now.

- **NEXT MEETING**
 - Next Progress Meeting is scheduled for Tuesday, November 26, 2019 at 10:00 AM.
(tentative)

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Progress Report # 3
Friday, November 22, 2019



Figure 1: Crew loading out the remaining pine tree trunks and stumps.



Figure 2: Crew removing the galvanized fence post from the chain-link fence.



Figure 3: Crew stockpiling galvanized fence post for concrete removal.



The items that were completed are not individual pay items but are included in various other pay items in the contract.

• **ITEMS COMPLETED THIS PAST WEEK**

- Removal of the remaining galvanized fence post from the chain-link fence.
- Loading out the remaining tree limbs, trunks and stumps
- Contractor started some minor stripping of top soil.
- Maintenance of the silt fence due to high winds.
- Survey crew on site laying out retaining wall.
- Removal of all remaining tree stumps.

• **PROPOSED PROGRESS OVER THE NEXT WEEK**

- Continuing stripping and stockpiling of existing top soil.
- Starting the unclassified excavation of the west and east slope of the existing basin.
- The contractor will continue to work 7:00 AM to 3:30 PM.
- The contractor doesn't plan to work weekends as of now.

• **NEXT MEETING**

- Next Progress Meeting is scheduled for Tuesday, November 26, 2019 at 10:00 AM.
(tentative)

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Progress Report # 4
Friday, November 29, 2019



Figure 1: Contractor starting to stripe topsoil using a bull dozer.



Figure 2: Crew started unclassified excavation along the east slope of the basin.



Figure 3: Crew excavating the existing east slope of the basin using an excavator.



- **CONTRACT ITEMS COMPLETED THIS WEEK**
 - Item No.1 Unclassified Excavation 620 Cubic Yards

- **ITEMS COMPLETED THIS PAST WEEK**
 - Removal of all remaining tree stumps.
 - Crew striped all of the existing topsoil and hauled material off site.
 - Crew started the bulk unclassified excavation of the easterly slope of the basin.

- **PROPOSED PROGRESS OVER THE NEXT WEEK**
 - Continuing bulk unclassified excavation of the east and west slope of the basin.
 - Contractor expects to take delivery of the retaining wall block.
 - The contractor will continue to work 7:00 AM to 3:30 PM.
 - The contractor doesn't plan to work weekends as of now.

- **NEXT MEETING**
 - Progress Meeting No.1 to be re-scheduled when all parties can attend.

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Progress Report # 5
Friday, December 6, 2019



Figure 1: Contractor installing the No.57 stone footing for the retaining wall.



Figure 2: Crew using a walk-behind sheep's foot roller to achieve compaction.



Figure 3: Crew received the first load of REDI-ROCK retaining wall block..



- **CONTRACT ITEMS COMPLETED THIS WEEK**
 - Item No.6 Unclassified Excavation 2,160 Cubic Yards

- **ITEMS COMPLETED THIS PAST WEEK**
 - Completion of the bulk, unclassified excavation on the east slope and started the west slope.
 - Crew completed the unclassified excavation of the east retaining wall footing.
 - Crew received and installed loads of No.57 stone in the retaining wall footing.
 - Crew received the first two loads of REDI-ROCK retaining wall block.

- **PROPOSED PROGRESS OVER THE NEXT WEEK**
 - Continuing bulk unclassified excavation of the west slope of the basin.
 - Excavation of the west retaining wall footing.
 - Delivery of additional No.57 stone for footing and backfill
 - Delivery of additional REDI-ROCK retaining wall block.
 - The start of the installation of the REDI-ROCK east retaining wall
 - The contractor will continue to work 7:00 AM to 3:30 PM.
 - The contractor doesn't plan to work weekends as of now.

- **NEXT MEETING**
 - Progress Meeting No.1 to be tentatively scheduled for Wednesday December 18, 2019 at 2:00pm. Location: Camden County Department of Public Works building.

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Progress Report # 6
Friday, December 13, 2019



Figure 1: Contractor started to construct the REDI-ROCK retaining wall.



Figure 2: Crew installing the first level of REDI-ROCK retaining wall block..



Figure 3: Crew setting the second level of REDI-ROCK retaining wall block..



- **CONTRACT ITEMS COMPLETED THIS WEEK**
 - Item No.6 Unclassified Excavation 420 Cubic Yards
 - Item No.16 Retaining Wall 509 S.F.

- **ITEMS COMPLETED THIS PAST WEEK**
 - Completion of the bulk, unclassified excavation on the west slope.
 - Crew received several loads of REDI-ROCK retaining wall block.
 - Crew completed the installation of No.57 stone in the east retaining wall footing.
 - Crew continued to receive loads of No.57 stone for backfilling of the retaining wall.
 - Crew installed 88.50 sections of REDI-ROCK retaining wall block on the east wall.
 - Maser Consulting received and reviewed Gerald A. Barrett's pay voucher #1.

- **PROPOSED PROGRESS OVER THE NEXT WEEK**
 - Delivery of additional No.57 stone for backfill of retaining wall.
 - Delivery of additional REDI-ROCK retaining wall block.
 - Continuation of the construction of the REDI-ROCK east retaining wall
 - Installation of the 4" PVC underdrain system behind the retaining wall.
 - The contractor will continue to work 7:00 AM to 3:30 PM.
 - The contractor doesn't plan to work weekends as of now.

- **NEXT MEETING**
 - Progress Meeting No.1 is scheduled for Wednesday December 18, 2019 at 2:00pm.
Location: Camden County Department of Public Works building.

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Progress Report # 7
Friday, December 20, 2019



*Figure 1: Contractor continues to install REDI-ROCK retaining wall block
Under drain outfall pipe shown in this photo..*



Figure 2: Crew installing PVC under drain pipe behind the wall.



Figure 3: East retaining wall progress using REDI-ROCK..



- **CONTRACT ITEMS COMPLETED THIS WEEK**
 - Item No.6 Unclassified Excavation 200 Cubic Yards
 - Item No.16 Retaining Wall 1,110 S.F.

- **ITEMS COMPLETED THIS PAST WEEK**
 - Completion of the unclassified excavation of the west retaining wall footing.
 - Crew received several loads of REDI-ROCK retaining wall block.
 - Crew completed the installation of the PVC under drain pipe behind the retaining wall.
 - Crew continued to receive loads of No.57 stone for backfilling of the retaining wall.
 - Crew installed 193 sections of REDI-ROCK retaining wall block on the east wall.
 - Maser Consulting attended Progress Meeting No.1.

- **PROPOSED PROGRESS OVER THE NEXT WEEK**
 - Delivery of additional No.57 stone for backfill of the footing and retaining wall.
 - Delivery of additional REDI-ROCK retaining wall blocks for the west wall.
 - Completion of the construction of the REDI-ROCK east retaining wall.
 - The contractor will continue to work 7:00 AM to 3:30 PM.
 - The contractor doesn't plan to work weekends as of now.

- **NEXT MEETING**
 - Progress Meeting No.2 is scheduled for Wednesday 15, 2019 at 2:00pm.
Location: Camden County Department of Public Works building.

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Progress Report #8
Friday, December 27, 2019



Figure 1: Contractor installing the REDI-ROCK cap block on the east retaining wall.



Figure 2: Crew excavating the footing for the west retaining wall..



Figure 3: Construction of the west REDI-ROCK retaining wall started. Existing reinforced concrete storm pipe shown and being incorporated in the new retaining wall as per plan.



- **CONTRACT ITEMS COMPLETED THIS WEEK**
 - Item No.16 Retaining Wall 656 S.F.

- **ITEMS COMPLETED THIS PAST WEEK**
 - Crew installed and compacted the No.57 stone in the west retaining wall footing.
 - Crew received several loads of REDI-ROCK retaining wall block each day.
 - Crew completed the east REDI-ROCK retaining wall, other than a few adjustments.
 - Crew continued to receive loads of No.57 stone for backfilling of the retaining wall.
 - Crew installed 144 sections of REDI-ROCK retaining wall block on the east wall. .

- **PROPOSED PROGRESS OVER THE NEXT WEEK**
 - Delivery of additional No.57 stone for backfill of the footing and retaining wall.
 - Delivery of additional REDI-ROCK retaining wall blocks for the west wall.
 - Crew will complete the adjustments to the east REDI-ROCK retaining wall cap blocks.
 - Contractor will complete the backfilling and compaction of the east retaining wall.
 - The contractor will continue to work 7:00 AM to 3:30 PM. Monday thru Friday.
 - The sub-contractor has requested to work on various Saturdays to complete the west wall.

- **NEXT MEETING**
 - Progress Meeting No.2 is scheduled for Wednesday 15, 2019 at 2:00pm.
Location: Camden County Department of Public Works building.

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Progress Report #11
Friday, January 17, 2020



Figure 1: Contractor backfilling the REDI-ROCK cap block on the west retaining wall with No.57 stone.



Figure 2: Operator constructing the required slopes at the end of the retaining walls.



Figure 3: Contractor grading along the front of the REDI-ROCK retaining wall.



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- **CONTRACT ITEMS COMPLETED THIS WEEK**
 - No pay items completed this week. All items worked on this week were to be included into other various pay items in the contract.

- **ITEMS COMPLETED THIS PAST WEEK**
 - Sub-contractor completed the both REDI-ROCK retaining walls.
 - Sub-contractor completed backfilling the retaining wall with No.57 stone.
 - Crew continued to receive the final loads of No.57 stone for backfill.
 - Contractor on site rough grading in front of retaining wall and building slopes.
 - Contractor imported four loads of previously excavated soil to construct the slopes.

- **PROPOSED PROGRESS OVER THE NEXT WEEK**
 - Sub-contractor is scheduled to start the installation of the chain-link fence.
 - Barrett plans on filling, compacting and grading the slopes at the end of the east and west REDI-ROCK retaining walls as per plans and specs.
 - The contractor will continue to work 7:00 AM to 3:30 PM. Monday thru Friday.

- **NEXT MEETING**
 - Progress Meeting No.3 is scheduled for Wednesday 15, 2019 at 9:00am.
Location: Camden County Department of Public Works building.

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Progress Report #12
Friday, January 24, 2020



Figure 1: Road Safety Systems installing the PVC coated steel poles.

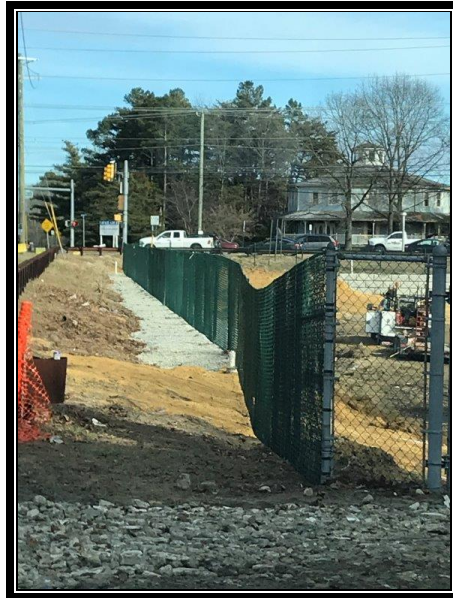


Figure 2: Road Safety Systems installing PVC coated chain-link fence along the west wall.



Figure 3: Crew installing the PVC coated steel chain-link fence along the east wall.



- **CONTRACT ITEMS COMPLETED THIS WEEK**
 - Item No.21 Chain-Link Fence, PVC Coated Steel, 6' High – 707 L.F.

- **ITEMS COMPLETED THIS PAST WEEK**
 - Sub-contractor – Road Safety Systems - completed the installation of the chain-link fence.

- **PROPOSED PROGRESS OVER THE NEXT WEEK**
 - Gerald A. Barrett – requested a complete winter shut down of the project. Work will resume late winter early spring pending weather conditions.

- **NEXT MEETING**
 - Progress Meeting No.3 Thursday January 30, 202 at 1:30pm.
Location: Camden County Department of Public Works building.

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Berlin-Cross Keys Road Improvements Contract 1
Gloucester Township, Camden County, New Jersey
Camden County

Maser Consulting Project No 19002364G1

Progress Report # 13
April 24, 2020



Figure 1: Contractor adding Top-soil 4" Thick around fence perimeter.



Figure 2: Top-soil added with Fertilizer and seeding Type W.



Figure 3&4: Installed Bicycle Safe Grates and Curb Pieces and Purged Brickwork.



Figure 5: Forms set around new Inlet curb for concrete.

Barrett Construction LLC worked completed as of April 24, 2020.

ITEMS COMPLETED THIS PAST WEEK

- Item 33- Top-soil 4" Thick- 3916 SY
- Item 34- Fertilizer and Seeding Type W- 394 SY
- Item 17- Bicycle Safe Grates- 2 Units
- Item 18- Curb Pieces- 2 Units
- Item 37- Evergreen Trees 7'-8' – 12 Units

Prepared By: Franco DeGeorge
Maser Consulting

camden county

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Berlin-Cross Keys Road Improvements Contract 1
Gloucester Township, Camden County, New Jersey
Camden County

Maser Consulting Project No 19002364G1

Progress Report # 14
May 1, 2020



Figure 1: Contractor installed Bicycle Safe Grate and Curb Piece, adding forms for concrete.



Figure 2&3: Reconstructed inlet brickwork.



Figure 3: Drained water from Inlet



Figure 4: Formed driveway for concrete.



Figure 5&6: Concrete poured and backfilled.



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Barrett Construction LLC worked completed as of April 24, 2020.

ITEMS COMPLETED THIS PAST WEEK

- Item 17- Bicycle Safe Grates- 2 Units
- Item 18- Curb Pieces- 2 Units
- Item 26- Concrete Vertical Curb- 150' LF

Prepared By: Franco DeGeorge
Maser Consulting

Berlin-Cross Keys Road Improvements Contract 1
Gloucester Township, Camden County, New Jersey
Camden County

Maser Consulting Project No 19002364G1

Progress Report # 3
May 8, 2020



Figure 1: Contractor began milling operation on Berlin Cross Keys Rd.



Figure 2&3: Contractor hit cement in the entire roadway except the shoulder after 4" of asphalt was removed.



Figure 3: A test patch was removed to identify the material.



Figure 4: The material appears to be soil cement; however, a test is needed to identify.



Figure 4&5: A test patch was saw-cut and approximately 4" of cement was revealed.



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Barrett Construction LLC worked completed as of April 24, 2020.

ITEMS COMPLETED THIS PAST WEEK

- Item 10- HMA Milling more than 3"- 4617.9

Prepared By: Franco DeGeorge
Maser Consulting

Berlin-Cross Keys Road Improvements Contract 1
Gloucester Township, Camden County, New Jersey
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Progress Report # 16
May 15, 2020



Figure 1: Contractor milling north of New Freedom rd. on Berlin Cross Keys Rd.



Figure 2&3: Hot Tack is placed down prior to Hot Mix Asphalt.



Figure 4: Six core samples were taken.



Figure 5: C-2 sample was approximately, 12.5" long.



Figure 6&7: Southbound lane and shoulder milled by contractor south of New Freedom Rd.



Figure 4&5: Southbound lane and shoulder paved south of New Freedom Rd.



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Barrett Construction LLC worked completed as of April 24, 2020.

ITEMS COMPLETED THIS PAST WEEK

- Item 10- HMA Milling more than 3"- 2620.1 SY
- Item 12- Tack Coat- 130 Gals.
- Item 15- Hot Mixed Asphalt 25M64 Base Course- 711.4 TN

Prepared By: Franco DeGeorge
Maser Consulting

Berlin-Cross Keys Road Improvements Contract 1
Gloucester Township, Camden County, New Jersey
Camden County

Maser Consulting Project No 19002364G1

Progress Report # 17
May 22, 2020



Figure 1: Contractor milling only 2" at new limits on Berlin Cross Keys Rd set by County



Figure 2&3: 25M Base added in sections 155-158.



Figure 4: 12.5M HMA Intermediate on Southbound section 155-161.



Figure 5: Nuclear test performed on 12.5M HMA Intermediate.



Figure 6: 12.5M HMA intermediate added Northbound sections 155-161.



Figure 7: Curb removed by contractor from strip mall working on New Freedom Rd.



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Barrett Construction LLC worked completed as of April 24, 2020.

ITEMS COMPLETED THIS PAST WEEK

- Item 9- HMA Milling 3” or less- 618 SY
- Item 10- HMA Milling more than 3”- 3204 SY
- Item 12- Tack Coat- 220 Gals
- Item 14- Hot Mixed Asphalt 12.5M64 Intermediate- 497 TN
- Item 15- Hot Mixed Asphalt 25M64 Base Course- 291 TN

Maser Consulting

Prepared By: Franco DeGeorge

camden county

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Berlin-Cross Keys Road Improvements Contract 1
Gloucester Township, Camden County, New Jersey
Camden County

Maser Consulting Project No 19002364G1

Progress Report # 18
May 29, 2020



Figure 1: Contractor cut edge prior to 12.5M Hot Mixed Asphalt Top Coat.



Figure 2&3: 12.5M HMA Top Coat at sections 152-161 per drawings.



Figure 4: 12.5M HMA Top Coat on Northbound section 170-180.



Figure 5: 12.5M HMA Top Coat Southbound section 153-161.



Figure 6: Backfill and seed roadway at section 153-161.



Figure 7: Contractor prepped driveway for Hot Mixed Asphalt.



Figure 8: Contractor preparing to roll out driveway.

Barrett Construction LLC worked completed as of April 24, 2020.

ITEMS COMPLETED THIS PAST WEEK

- Item 11- Polymerized Joint Adhesive- 1764 LF
- Item 12- Tack Coat- 400 Gals.
- Item 13- Hot Mixed Asphalt 12.5M Surface Course- 1158.34 TN
- Item 23- Hot Mixed Asphalt Driveway- 137 SY

Prepared By: Franco DeGeorge
Maser Consulting

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Berlin-Cross Keys Road Improvements Contract 1
Gloucester Township, Camden County, New Jersey
Camden County

Maser Consulting Project No 19002364G1

Progress Report # 19
June 1, 2020



Figure 1: Contractor seeding and mulching at retention pond.



Figure 2&3: Sub-Contractor Zone striping painting Center and Edge Lines



Figure 4&5: Sub-Contractor Zone Striping painting Edge Lines



Figure 7: Contractor Seeding and Mulching inside retention Pond



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Barrett Construction LLC worked completed as of April 24, 2020.

FINAL QUANTITIES COMPLETED:

- Item 9- HMA Milling 3” or Less- **618 SY**
- Item 10- HMA Milling more than 3”- **10,442 SY**
- Item 11- Polymerized Joint Adhesive- **1764’ LF**
- Item 12- Tack Coat- **600 Gals. (Correction from last week’s report)**
- Item 13- Hot Mixed Asphalt 12.5M Surface Course- **1158 TN**
- Item 14- Hot Mixed Asphalt 12.5M Intermediate – **497 TN**
- Item 15- Hot Mixed Asphalt 25M Base Course- **1002 TN**
- Item 17- Bicycle Safe Grates- **6 Units**
- Item 18- Curb Pieces- **6 Units**
- Item 23- Hot Mixed Asphalt Driveway 6” Thick- **137 SY**
- Item 26- 9” x 16” Concrete Vertical Curb- **150’ LF**
- Item 27- Traffic Stripes, Long-Life Epoxy 4”- **4716’ LF**
- Item 28- Traffic Stripes, Long-Life Epoxy 8”- **3494’ LF**
- Item 29- Traffic Stripes, Long-Life Thermoplastic 24”- **189’ LF**
- Item 30- RPM Mono-Directional Amber Lens- **20 Units**
- Item 31- RPM Bi-Directional Amber Lens- **18 Units**
- Item 32- RPM Bi-Directional Blue Lens- **10 Units**
- Item 33- Top-Soil 4” Thick- **3916 SY**
- Item 34- Fertilizing & Seeding Type W- **1819 SY**
- Item 35- Straw Mulching- **1819 SY**
- Item 37- Evergreen Trees 7’ & 8’- **12 Units**

Prepared By: Franco DeGeorge
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