

CITY OF DOVER \sim KENT COUNTY \sim DELAWARE PAVEMENT IMPROVEMENTS

DESIGNED BY: DRAWN BY:

> DELAWARE TECHNICAL COMMUNITY COLLEGE CHARLES L. TERRY JR. CAMPUS

DATE: 06 MARCH 2020

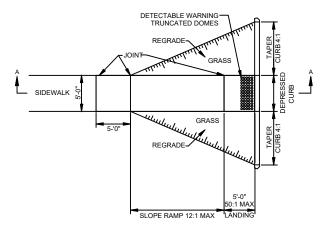
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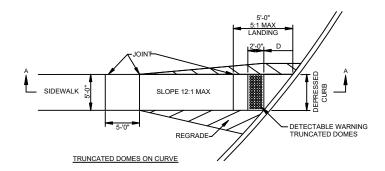
1'' = 200'

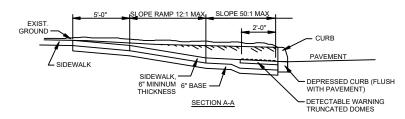
PROJECT NO. 11807.GC

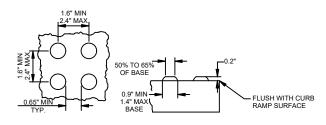
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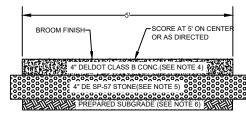






DETECTABLE WARNING TRUNCATED DOME DETAILS

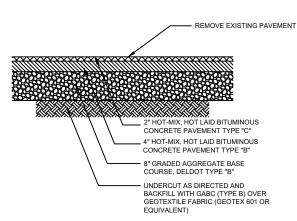
DETAIL: ADA SIDEWALK CURB RAMP



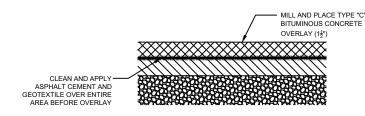
NOTES

- SCORE MARK IN 5-FOOT SQUARES, USE PREFORMED EXPANSION
 JOINTS AT INTERVALS NOT GREATER THAN 15 FEET.
- 2. CONCRETE SIDEWALKS SHALL BE CONSTRUCTED AS PER DELDOT
- SPECIFICATIONS MINIMUM SIDEWALK CROSS SLOPE = 1%
 MAXIMUM SIDEWALK CROSS SLOPE = 2%
- 4. PLACE DELAWARE SP-57 STONE AS NECESSARY TO ACHIEVE
- 5. PROOF ROLL SUBGRADE, COMPACT TO 95% STANDARD PROCTOR

DETAIL: SIDEWALK SECTION



DETAIL: FULL-DEPTH RECONSTRUCTION



NOTE: GEOTEXTILE ASPHALT CEMENT OVERLAY SYSTEM SHALL BE TENCATE MVP500
PAVING FABRIC OR EQUIVALENT. ASPHALT CEMENT SHALL BE AC-20 WITH RECOMMENDED
ALUMINUM APPLICATION RATE OF 0.25 GAL/SY. INSTALL IN ACCORDANCE WITH MANUFACTURERS INSTALLATION GUIDELINES.

DETAIL: MILL AND PAVEMENT/GEOTEXTILE OVERLAY

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTING AND LOCATION OF UTILITIES BEFORE COMMENCING WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT MISS UTILITY OF DELMARVA (TELEPHONE 1.800.282.8555) NO LESS THAN 72 HOURS PRIOR TO INITIATING INTRUSIVE WORK. THE CONTRACTOR SHALL CONTACT THE OWNERS OF UTILITIES AT RISK AS A RESULT OF CONDUCTING THE WORK HEREIN. THE CONTRACTOR SHALL CONSULT WITH UTILITY OWNERS TO OBTAIN THE MOST ACCURATE INFORMATION AVAILABLE WITH REGARD TO UTILITY ELEVATION AND LOCATION.
- 2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH OSHA GUIDELINES AND THE HEALTH AND SAFETY REQUIREMENTS OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EXCAVATION SAFETY DURING THE PERIOD O CONSTRUCTION. CONTROL OF GROUNDWATER SEEPAGE AND STORMWATER RUNOFF INTO EXCAVATIONS SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- 3. EXCEPT AS MODIFIED BY THESE NOTES AND THE DETAILED DRAWINGS, ALL WORK SHALL CONFORM TO THE DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (MOST RECENT VERSION
- 4. ALL EXCESS EXCAVATED MATERIAL, INCLUDING ORGANIC MATERIAL, SOIL, DEBRIS, CONCRETE, ASPHALT AND ROCK SHALL BE DISPOSED OF BY THE CONTRACTOR OFF SITE AT NO ADDITIONAL COST TO THE OWNER
- 5. ALL WORK SHALL BE PERFORMED AS COORDINATED WITH OWNER. CONTRACTOR SHALL COORDINATE WITH THE OWNER TO
- 6. THE COMPLETED PAVEMENT SURFACE SHALL BE GRADED TO MATCH THE SURROUNDING GRADES AND SHAPED TO PROVIDE FOR POSITIVE SURFACE DRAINAGE. THE CONTRACTOR SHALL BE RESPONSIBLE TO ESTABLISH FINAL SITE GRADING THAT PROVIDES POSITIVE SITE DRAINAGE AT ALL AREAS ON THE FINISHED PAVEMENT SURFACE.

7. MATERIALS

THE CONTRACTOR SHALL PROVIDE ALL PERMITS TOOLS EQUIPMENT MATERIALS LABOR AND WORK FOR THE IMPROVEMENT OF THE EXISTING PAVED AREAS AS INDICATED. ALL WORK DONE UNDER THIS ITEM SHALL BE PERFORMED IN A SAFE AND WORKMANLIKE MANNER. MATERIALS REQUIRED INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

BITUMINOUS CONCRETE SURFACE COURSE AND STRUCTURAL OVERLAY: DELDOT TYPE 'C,' HOT MIXED, HOT LAID BITUMINOUS CONCRETE, 160 GYRATIONS, PG64-22 (DELDOT STANDARD SPECIFICATION SECTIONS 401 AND 1014)

BITUMINOUS CONCRETE BINDER COURSE: DELDOT TYPE 'B,' HOT MIXED, HOT LAID BITUMINOUS CONCRETE, 160 GYRATIONS, PG 64-22 (DELDOT STANDARD SPECIFICATION SECTIONS 401 AND 1014)

GRADED AGGREGATE BASE COURSE AND UNDERCUT BACKFILL: DELDOT TYPE 'B,' GRADED AGGREGATE (DELDOT STANDARD SPECIFICATION SECTION 1005)

GEOTEXTILE FABRIC (UNDERCUT AREAS): MINIMUM 6 OUNCE NON-WOVEN GEOTEXTILE (GEOTEX 601 OR EQUIVALENT)

TACK COAT: CSS-1-H (DELDOT STANDARD SPECIFICATION SECTION 1011)

BITUMINOUS CONCRETE JOINT SEALANT: HOT POURED JOIN SEALANT (DELDOT STANDARD SPECIFICATION 1042

PORTLAND CEMENT CONCRETE: (DELDOT STANDARD SPECIFICATION SECTION 705 AND 1022) 4.0 - 7.0% REQUIRED AIR CONTENT; VE STRENGTH FOR CURB AND SIDEWALK, EXPANSION JOINT MATERIAL SHALL CONFORM TO

8. CONSTRUCTION METHODS

PRIOR TO THE PLACEMENT OF ANY BITUMINOUS CONCRETE, THE EXPOSED BUTT JOINT EDGES, ABUTTING CURBS, SIDEWALKS, AND EXISTING PAVEMENT SHALL BE CLEAN AND A TACK COAT APPLIED TO PROVIDE FULL COVERAGE

THE INTERFACE BETWEEN NEW AND EXISTING PAVEMENT SHALL BE SAWCUT TO A DEPTH OF APPROXIMATELY ½ INCH AND BE FILLED WITH A HOT POURED JOIN SEALANT

BITUMINOUS CONCRETE FULL DEPTH RECONSTRUCTION

ALL LOOSE MATERIAL AND SUBGRADE SHALL BE PROOFROLLED BY A MINIMUM 10-TON VIBRATORY ROLLER OR A FULLY LOADED. ALL LOOS MAIL ENDLAND SIGNALD SHALL BE PROOFNOLLED BY A WINNINMON IO TON VIBRATORY ACLE ROR A POLLER OR A POLLER O SHALL BE UNDERCUT TO FIRM SUBGRADE AND BACKFILLED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER. FOR AREAS WHERE UNDERCUTTING IS REQUIRED. THE SUBGRADE SHALL BE IMMEDIATELY COVERED BY THE GEOTEXTILE FABRIC. PULLED WHITE ONDERFOR IN ING IS REQUIRED, THE SOURCES OF A QUALIFIED BEING A 10-TON VIBRATORY ROLLED BY THE SECTION OF THE SECTION OF

THE COMPACTED PAVEMENT SURFACE SHALL BE GRADED TO MATCH THE SURROUNDING GRADES AND SHAPED TO PROVIDE FOR THE COMPACTED PAYEMENT SOFTACE SHALL BE GRADED TO MATCH THE SURROUNING GRADES AND SHAPED TO PROVIDE PO POSITIVE DRAINAGE. THE CONTRACTOR SHALL BE RESPONSIBLE TO ESTABLISH FINAL SITE GRADING THAT PROVIDES POSITIVE SITE DRAINAGE AT ALL AREAS ON THE FINISHED PAYEMENT SURFACE. FOLLOWING ITS PLACEMENT, THE SURFACE AND BINDER COURSES SHALL BE COMPACTED IN ACCORDANCE WITH DELDOT STANDARD SPECIFICATION REQUIREMENTS (MINIMUM OF 92% COMPACTION OF THE THEORETICAL VOIDLESS DENSITY (TVD) FOR SURFACE COURSE AND MINIMUM OF 90% COMPACTION OF THE TVD FOR BINDER COURSE)

PAVEMENT STRIPING AND MARKINGS SHALL MATCH EXISTING.

SITE GRADING

LANDSCAPED AREAS DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED TO INCLUDE 4" OF TOPSOIL, PERMANENT SEEDING (DNREC EAS CONTROL HANDBOOK MIX NO. 3), AND EROSION CONTROL MATTING (STRAW AND NETTING, LANDLOK S1 OR EQUIVALENT).

- 9 QUANTITIES INDICATED HEREIN ARE BASED ON FIELD MEASUREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING RECONSTRUCTION OF THE ENTIRE AREA INDICATED ON THE DRAWINGS. QUANTITIES ARE APPROXIMATE. UNDERCUTTING WILL BE DELINEATED IN THE FIELD BY THE OWNER OR OWNER'S REPRESENTATIVE.
- 10 THESE DRAWINGS SHALL ONLY BE USED IN CONJUNCTION WITH THE PROJECT MANUAL TITLED "SPECIFICATIONS FOR PAVEMENT IMPROVEMENTS AT CHARLES L. TERRY JR. CAMPUS," CONTRACT NO. C900406 PAV. PREPARED BY DUFFIELD ASSOCIATES, INC. DATED MARCH 6, 2020.

SIDEWALK NOTES:

- 1. FOR ALTERATIONS WHERE THE EXISTING ROAD PROFILE IS STEEPER THAN 7% AND A 12:1 MAXIMUM SLOPE RAMP WILL NOT MEET THE SIDEWALK GRADE WITHIN A LENGTH OF 15'-0", THE RAMP LENGTH MAY BE LIMITED TO 15'-0" AT A CONSTANT SLOPE, AND ALLOWED TO EXCEED 12:1.
- 2. RAMP AND SIDEWALK CROSS SLOPE SHALL BE 50:1 (2%) MAXIMUM
- 3. A 6:1 GRADE IS REQUIRED FOR A MINIMUM OF 2'-0" IMMEDIATELY ADJACENT TO RAMP. IF THAT IS NOT FEASIBLE, THEN A CURB OR RETAINING WALL SHOULD BE USED TO ELIMINATE THE NEED FOR THE STEEP SLOPE.
- 4. THE MAXIMUM DIFFERENCE IN GRADE BETWEEN THE CURB RAMP OR MODIFIED CURB AT THE FLOW LINE AND THE PAVEMENT SHALL BE 13%, HOWEVER 11% IS PREFERRED.
- 5. LANDING AREA SHALL BE DELINEATED WITH JOINTS.
- 6. CONSTRUCTION JOINTS ARE REQUIRED ON RAMPS AT THE INTERVAL NOT GREATER THAN 15 FEET. HOWEVER, EXPANSION MATERIAL SHALL NOT BE USED IN THE RAMP SECTION.
- 7. IF THE RUNNING SLOPE IS LESS THAN 20:1 (5%) THEN THE 50:1 (2%) LANDING CAN BE OMITTED. DETECTABLE WARNING SYSTEM
- 8. FOR INSTALLATIONS ON A RADIUS AND WHEN DIMENSION D IS LESS THAN 5'-0", THE DETECTABLE WARNING TRUNCATED DOMES SYSTEM SHALL BE INSTALLED AT THE INTERSECTION OF THE BACK OF THE CURB AND THE BEGINNING OF THE FULL WIDTH OF THE PEDESTRIAN ACCESS ROUTE. THE DOMES SHALL BE INSTALLED PERPENDICULAR TO THE PATH OF THE PEDESTRIAN TRAVEL AND BE THE FULL WIDTH OF THE PEDESTRIAN ACCESS ROUTE.
- 9. ENTIRE DEPRESSED AREA OF CURB EXCLUDING THE TAMPERED CURBS SHALL HAVE DETECTABLE WARNING TRUNCATED
- 10.THE DETECTABLE WARNING SYSTEM SHALL EXTENDED AT LEAS 2'-0" IN LENGTH, MEASURED IN THE DIRECTION OF TRAVEL

BY

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TECHNIC

FILE: **AMPUS**

11807.GC-Pavement

DELAWARE JR. KENT COUNTY TERRY CITY OF DOVER S

CHARLE DELAWARE

DATE:

06 MARCH 2020

SCALE:

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PROJECT NO.

11807.GC

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