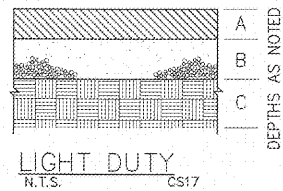


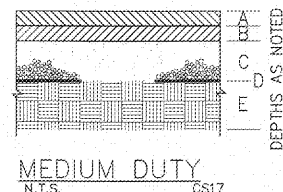
ASPHALTIC PAVEMENT

ALL PAVEMENT SECTION DESIGNS ARE TAKEN FROM THE GEOTECHNICAL INVESTIGATION REPORT AND ADDENDA AS PREPARED BY TERRACON TELEPHONE (770) 623 0755. REFERENCE THIS REPORT FOR COMPLETE DESIGN SPECIFICATION AND DETAILED RECOMMENDATIONS.



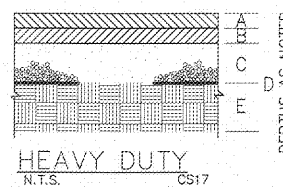
BASE BID

- A. 3.0" ASPHALTIC CONCRETE SURFACE COURSE TYPE D, MEETING SECTIONS 400, 424, 824 AND 828 OF THE GDOT 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- B. 6.0" AGGREGATE BASE MATERIAL COMPOSED OF GRADE 1 TYPE A CRUSHED LIMESTONE OR TYPE D CRUSHED CONCRETE, MEETING THE REQUIREMENTS OF SECTIONS 310 AND 815 OF THE GDOT 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION, COMPACTED TO 98 PERCENT MODIFIED PROCTOR DENSITY (ASTM 1557) WITHIN 2 PERCENT OPTIMUM MOISTURE CONTENT.
- C. 12.0" SOIL CEMENT STABILIZATION PROPOSING 5 TO 7 PERCENT BY WEIGHT WITHIN THE UPPER 12 INCHES OF SUBGRADE TO ACHIEVE A WORKING BASE. AS AN ALTERNATE, SELECT FILL CAN BE USED AS SPECIFIED IN SECTION 4.2.2 OF THE GEOTECHNICAL ENGINEERING REPORT.



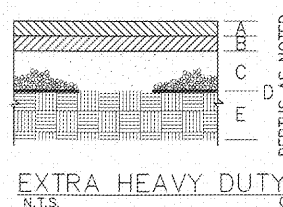
BASE BID - GEOGRID

- A. 2.5" ASPHALTIC CONCRETE SURFACE COURSE TYPE D, MEETING SECTIONS 400, 424, 824 AND 828 OF THE GDOT 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- B. 3.0" ASPHALTIC CONCRETE BASE COURSE TYPE A, MEETING SECTIONS 400, 424, 824 AND 828 OF THE GDOT 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- C. 6.0" AGGREGATE BASE MATERIAL COMPOSED OF GRADE 1 TYPE A CRUSHED LIMESTONE OR TYPE D CRUSHED CONCRETE, MEETING THE REQUIREMENTS OF SECTIONS 310 AND 815 OF THE GDOT 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION, COMPACTED TO 98 PERCENT MODIFIED PROCTOR DENSITY (ASTM 1557) WITHIN 2 PERCENT OPTIMUM MOISTURE CONTENT.
- D. LEGEO BX2525 GEOGRID PLACED ON PREPARED SUBGRADE.
- E. 12.0" SOIL CEMENT STABILIZATION PROPOSING 5 TO 7 PERCENT BY WEIGHT WITHIN THE UPPER 12 INCHES OF SUBGRADE TO ACHIEVE A WORKING BASE. AS AN ALTERNATE, SELECT FILL CAN BE USED AS SPECIFIED IN SECTION 4.2.2 OF THE GEOTECHNICAL ENGINEERING REPORT.



BASE BID - GEOGRID

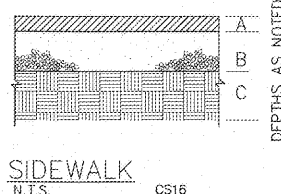
- A. 2.5" ASPHALTIC CONCRETE SURFACE COURSE TYPE D, MEETING SECTIONS 400, 424, 824 AND 828 OF THE GDOT 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- B. 4.5" ASPHALTIC CONCRETE BASE COURSE TYPE A, MEETING SECTIONS 400, 424, 824 AND 828 OF THE GDOT 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- C. 6.0" AGGREGATE BASE MATERIAL COMPOSED OF GRADE 1 TYPE A CRUSHED LIMESTONE OR TYPE D CRUSHED CONCRETE, MEETING THE REQUIREMENTS OF SECTIONS 310 AND 815 OF THE GDOT 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION, COMPACTED TO 98 PERCENT MODIFIED PROCTOR DENSITY (ASTM 1557) WITHIN 2 PERCENT OPTIMUM MOISTURE CONTENT.
- D. LEGEO BX2525 GEOGRID PLACED ON PREPARED SUBGRADE.
- E. 12.0" SOIL CEMENT STABILIZATION PROPOSING 5 TO 7 PERCENT BY WEIGHT WITHIN THE UPPER 12 INCHES OF SUBGRADE TO ACHIEVE A WORKING BASE. AS AN ALTERNATE, SELECT FILL CAN BE USED AS SPECIFIED IN SECTION 4.2.2 OF THE GEOTECHNICAL ENGINEERING REPORT.



BASE BID - GEOGRID

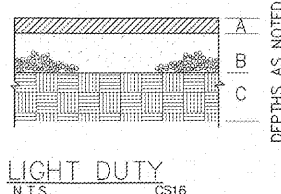
- A. 2.5" ASPHALTIC CONCRETE SURFACE COURSE TYPE D, MEETING SECTIONS 400, 424, 824 AND 828 OF THE GDOT 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- B. 5.0" ASPHALTIC CONCRETE BASE COURSE TYPE A, MEETING SECTIONS 400, 424, 824 AND 828 OF THE GDOT 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- C. 7.0" AGGREGATE BASE MATERIAL COMPOSED OF GRADE 1 TYPE A CRUSHED LIMESTONE OR TYPE D CRUSHED CONCRETE, MEETING THE REQUIREMENTS OF SECTIONS 310 AND 815 OF THE GDOT 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION, COMPACTED TO 98 PERCENT MODIFIED PROCTOR DENSITY (ASTM 1557) WITHIN 2 PERCENT OPTIMUM MOISTURE CONTENT.
- D. LEGEO BX2525 GEOGRID PLACED ON PREPARED SUBGRADE.
- E. 12.0" SOIL CEMENT STABILIZATION PROPOSING 5 TO 7 PERCENT BY WEIGHT WITHIN THE UPPER 12 INCHES OF SUBGRADE TO ACHIEVE A WORKING BASE. AS AN ALTERNATE, SELECT FILL CAN BE USED AS SPECIFIED IN SECTION 4.2.2 OF THE GEOTECHNICAL ENGINEERING REPORT.

CONCRETE PAVEMENT



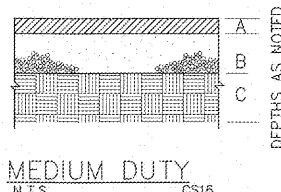
BASE BID - ON SOIL

- A. 6.0" PORTLAND CEMENT REINFORCED CONCRETE PAVEMENT, MEETING MATERIALS AND PROPERTIES AND REQUIREMENTS IN THE ACI MANUAL OF CONCRETE PRACTICE, USING A CONCRETE MIX HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. REINFORCING STEEL SHOULD BE #4 BARS SPACED 18 INCHES ON CENTERS.
- B. 4.0" AGGREGATE BASE MATERIAL COMPOSED OF GRADE 1 TYPE A CRUSHED LIMESTONE OR TYPE D CRUSHED CONCRETE, MEETING THE REQUIREMENTS OF SECTIONS 310 AND 815 OF THE GDOT 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION, COMPACTED TO 98 PERCENT MODIFIED PROCTOR DENSITY (ASTM 1557) WITHIN 2 PERCENT OPTIMUM MOISTURE CONTENT.
- C. 12.0" SOIL CEMENT STABILIZATION PROPOSING 5 TO 7 PERCENT BY WEIGHT WITHIN THE UPPER 12 INCHES OF SUBGRADE TO ACHIEVE A WORKING BASE. AS AN ALTERNATE, SELECT FILL CAN BE USED AS SPECIFIED IN SECTION 4.2.2 OF THE GEOTECHNICAL ENGINEERING REPORT.



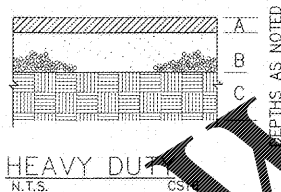
BASE BID - ON SOIL

- A. 5.0" PORTLAND CEMENT REINFORCED CONCRETE PAVEMENT, MEETING MATERIALS AND PROPERTIES AND REQUIREMENTS IN THE ACI MANUAL OF CONCRETE PRACTICE, USING A CONCRETE MIX HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. REINFORCING STEEL SHOULD BE #4 BARS SPACED 18 INCHES ON CENTERS.
- B. 4.0" AGGREGATE BASE MATERIAL COMPOSED OF GRADE 1 TYPE A CRUSHED LIMESTONE OR TYPE D CRUSHED CONCRETE, MEETING THE REQUIREMENTS OF SECTIONS 310 AND 815 OF THE GDOT 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION, COMPACTED TO 98 PERCENT MODIFIED PROCTOR DENSITY (ASTM 1557) WITHIN 2 PERCENT OPTIMUM MOISTURE CONTENT.
- C. 12.0" SOIL CEMENT STABILIZATION PROPOSING 5 TO 7 PERCENT BY WEIGHT WITHIN THE UPPER 12 INCHES OF SUBGRADE TO ACHIEVE A WORKING BASE. AS AN ALTERNATE, SELECT FILL CAN BE USED AS SPECIFIED IN SECTION 4.2.2 OF THE GEOTECHNICAL ENGINEERING REPORT.



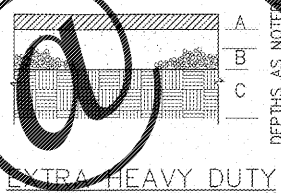
BASE BID - ON SOIL

- A. 8.0" PORTLAND CEMENT REINFORCED CONCRETE PAVEMENT, MEETING MATERIALS AND PROPERTIES AND REQUIREMENTS IN THE ACI MANUAL OF CONCRETE PRACTICE, USING A CONCRETE MIX HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. REINFORCING STEEL SHOULD BE #5 BARS SPACED 18 INCHES ON CENTERS.
- B. 4.0" AGGREGATE BASE MATERIAL COMPOSED OF GRADE 1 TYPE A CRUSHED LIMESTONE OR TYPE D CRUSHED CONCRETE, MEETING THE REQUIREMENTS OF SECTIONS 310 AND 815 OF THE GDOT 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION, COMPACTED TO 98 PERCENT MODIFIED PROCTOR DENSITY (ASTM 1557) WITHIN 2 PERCENT OPTIMUM MOISTURE CONTENT.
- C. 12.0" SOIL CEMENT STABILIZATION PROPOSING 5 TO 7 PERCENT BY WEIGHT WITHIN THE UPPER 12 INCHES OF SUBGRADE TO ACHIEVE A WORKING BASE. AS AN ALTERNATE, SELECT FILL CAN BE USED AS SPECIFIED IN SECTION 4.2.2 OF THE GEOTECHNICAL ENGINEERING REPORT.



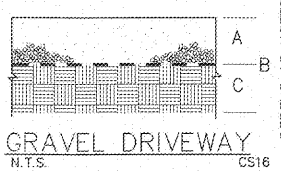
BASE BID - ON SOIL

- A. 9.0" PORTLAND CEMENT REINFORCED CONCRETE PAVEMENT, MEETING MATERIALS AND PROPERTIES AND REQUIREMENTS IN THE ACI MANUAL OF CONCRETE PRACTICE, USING A CONCRETE MIX HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. REINFORCING STEEL SHOULD BE #5 BARS SPACED 18 INCHES ON CENTERS.
- B. 4.0" AGGREGATE BASE MATERIAL COMPOSED OF GRADE 1 TYPE A CRUSHED LIMESTONE OR TYPE D CRUSHED CONCRETE, MEETING THE REQUIREMENTS OF SECTIONS 310 AND 815 OF THE GDOT 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION, COMPACTED TO 98 PERCENT MODIFIED PROCTOR DENSITY (ASTM 1557) WITHIN 2 PERCENT OPTIMUM MOISTURE CONTENT.
- C. 12.0" SOIL CEMENT STABILIZATION PROPOSING 5 TO 7 PERCENT BY WEIGHT WITHIN THE UPPER 12 INCHES OF SUBGRADE TO ACHIEVE A WORKING BASE. AS AN ALTERNATE, SELECT FILL CAN BE USED AS SPECIFIED IN SECTION 4.2.2 OF THE GEOTECHNICAL ENGINEERING REPORT.



BASE BID - ON SOIL

- A. 10.0" PORTLAND CEMENT REINFORCED CONCRETE PAVEMENT, MEETING MATERIALS AND PROPERTIES AND REQUIREMENTS IN THE ACI MANUAL OF CONCRETE PRACTICE, USING A CONCRETE MIX HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. REINFORCING STEEL SHOULD BE #5 BARS SPACED 18 INCHES ON CENTERS.
- B. 4.0" AGGREGATE BASE MATERIAL COMPOSED OF GRADE 1 TYPE A CRUSHED LIMESTONE OR TYPE D CRUSHED CONCRETE, MEETING THE REQUIREMENTS OF SECTIONS 310 AND 815 OF THE GDOT 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION, COMPACTED TO 98 PERCENT MODIFIED PROCTOR DENSITY (ASTM 1557) WITHIN 2 PERCENT OPTIMUM MOISTURE CONTENT.
- C. 12.0" SOIL CEMENT STABILIZATION PROPOSING 5 TO 7 PERCENT BY WEIGHT WITHIN THE UPPER 12 INCHES OF SUBGRADE TO ACHIEVE A WORKING BASE. AS AN ALTERNATE, SELECT FILL CAN BE USED AS SPECIFIED IN SECTION 4.2.2 OF THE GEOTECHNICAL ENGINEERING REPORT.



BASE BID

- A. 8.0" AGGREGATE BASE MATERIAL COMPOSED OF GRADE 1 TYPE A CRUSHED LIMESTONE OR TYPE D CRUSHED CONCRETE, MEETING THE REQUIREMENTS OF SECTION 247 OF THE TDOT 2004 STANDARD SPECIFICATIONS FOR CONSTRUCTION, COMPACTED TO 98 PERCENT MODIFIED PROCTOR DENSITY (ASTM 1557) WITHIN 2 PERCENT OPTIMUM MOISTURE CONTENT.
- B. LEGEO BX2525 GEOGRID PLACED ON PREPARED SUBGRADE.
- C. 8.0" SOIL CEMENT STABILIZATION PROPOSING 5 TO 7 PERCENT BY WEIGHT WITHIN THE UPPER 12 INCHES OF SUBGRADE TO ACHIEVE A WORKING BASE. AS AN ALTERNATE, SELECT FILL CAN BE USED AS SPECIFIED IN SECTION 4.2.2 OF THE GEOTECHNICAL ENGINEERING REPORT.

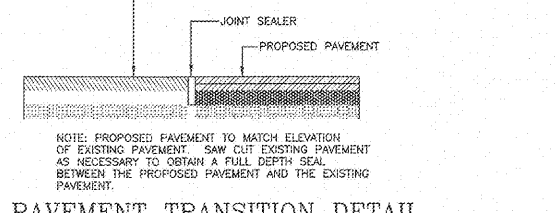
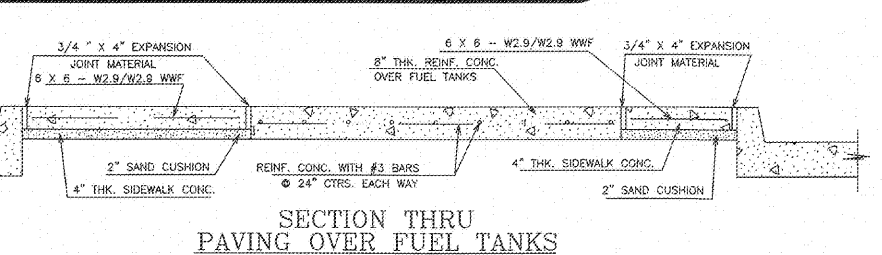
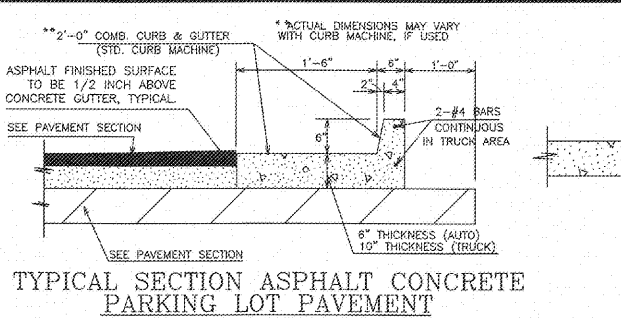
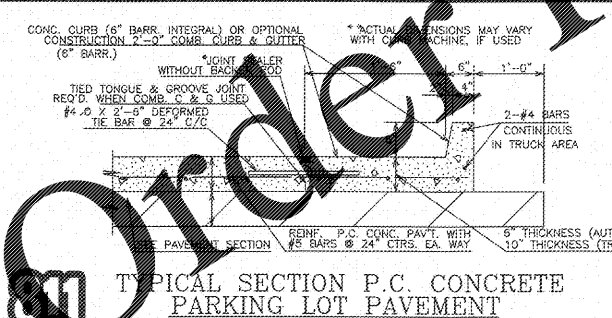
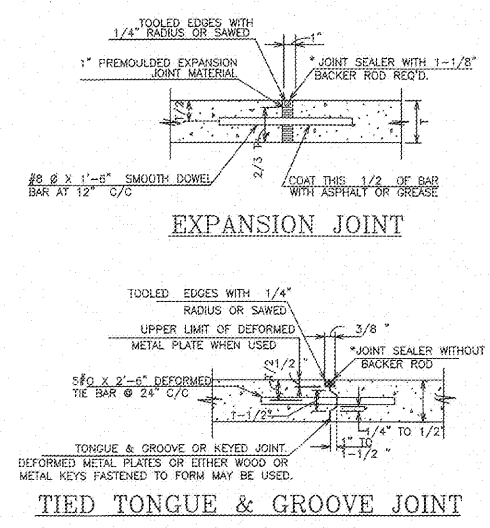
- PAVEMENT NOTES:**
1. ALL CONSTRUCTION METHODS AND MATERIAL SHOULD BE IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST EDITION.
 2. PAVEMENT SECTION DESIGNS ARE TAKEN FROM THE GEOTECHNICAL INVESTIGATION REPORT AND ADDENDA AS PREPARED BY TERRACON. REFERENCE THIS REPORT FOR COMPLETE DESIGN SPECIFICATION AND DETAILED RECOMMENDATIONS.
 3. PAVEMENT DESIGN IS BASED ON A CBR = 4.0 FOR A 20-YEAR DESIGN LIFE, AND LEGEO BX-2525 GEOGRID. ALTERNATE CONDITIONS OR PRODUCT SUBSTITUTIONS OTHER THAN THOSE SPECIFIED MAY ALTER THE EXPECTED PAVEMENT PERFORMANCE. REFERENCE THE PAVEMENTS SECTION OF THE GEOTECHNICAL INVESTIGATION REPORT FOR THIS PROJECT.
 4. CONCRETE SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI.
 5. IT IS RECOMMENDED THAT THE CONCRETE PAVEMENT WITHIN STATE ROW BE 8'.
 6. CONCRETE PAVEMENT WITHIN STATE ROW MUST BE REINFORCED WITH #3 BARS ON 12" C-C OR #4 BARS ON 18" C-C.
 7. CONSTRUCTION JOINTS SHOULD HAVE A MAXIMUM SPACING OF ABOUT 30 TIMES THE THICKNESS OF THE CONCRETE SLAB, AS PER A.C.I. 330-08.
 8. THE BARS ARE ALSO RECOMMENDED ALONG THE FIRST LONGITUDINAL JOINT FROM THE PAVEMENT EDGE TO KEEP THE OUTSIDE SLAB FROM SEPARATING FROM THE PAVEMENT.
 9. 1/2" PREFORMED EXPANSION JOINTS WILL BE REQUIRED AT TANGENT POINTS OF RADIUS TURNS, AT DRIVEWAYS AND STREET INTERSECTIONS AND AT 40' INTERVALS ALONG THE CURB.
 10. AN EXPANSION JOINT SHALL BE LOCATED AT THE DOT ROW LINE ON CONCRETE DRIVEWAYS AND SIDEWALKS.
 11. ALL CONCRETE TO HAVE BROOM FINISH EXCEPT TRUCK FUELING BAYS TO HAVE HEAVY BROOM FINISH.
 12. THE FOLLOWING AREAS ARE TO BE SEALED 30 DAYS AFTER CONCRETE IS CURED. REFER TO ARCHITECTURAL SPECIFICATION:
 - BUILDING SIDEWALKS - AUTO CANOPY PAD - TRUCK CANOPY PAD
 - BUILDING PARKING SPACES AT FRONT OF BUILDING - DUMPSTER PAD AREA

- SIDEWALK JOINT NOTES:**
1. ALL JOINTS TO BE SEALED TO BE THOROUGHLY CLEANED BY PROBLETTING AND/OR SAND BLASTING METHODS. THE JOINTS ARE TO BE FREE FROM ALL DUST COATINGS, ANY CONTAMINATES, AND FREE FROM MOISTURE THAT MIGHT INTERFERE WITH THE PROPER AND SATISFACTORY BONDING OF THE JOINT SEALANT MATERIAL. THE JOINT WILL BE BLOWN OUT WITH DRY COMPRESSED AIR IMMEDIATELY PRIOR TO APPLYING SEALANT.
 2. CONSTRUCTION EQUIPMENT AND OTHER VEHICLES AND PEDESTRIANS WHICH MAY CAUSE DAMAGE TO THE JOINTS SHALL NOT BE ALLOWED ON THE PAVED SURFACE & SIDEWALKS BEFORE THE JOINT SEALANT BECOMES TRAFFIC FREE.
 3. USE 3/4" X 4" EXPANSION JOINT MATERIAL ALONG SIDEWALK CURB AND ALONG BUILDING.
 4. USE 3/4" X 4" EXPANSION JOINT MATERIAL AROUND POLES OR OTHER OBSTRUCTIONS IN WALK AND FOR JOINTS SHOWN AS AN EXPANSION JOINT IN THE PLAN VIEW OF THE SITE.
 5. SAW CUT JOINTS SHALL NOT ALLOW DEEP TOOLED JOINTS.
 6. SIDEWALK EXPANSION JOINTS SHALL NOT DOWEL.

- JOINT SEALANT NOTES:**
- (1) LOW modulus silicone joint sealant, machine extruded or applied by gun. GREY IN COLOR.
 - (2) JOINT SEALERS FOR PARKING LOT PAVEMENT SHALL CONFORM TO THE FOLLOWING:
 - (1) LOW modulus silicone joint sealant, machine extruded or applied by gun. FOR SLAB, SEALANT SHALL BE DOW CORNING 888 OR SLAB DOW CORNING 888 OR EQUAL (JOINT MUST BE TOOLED).
 - (2) FOR CURBS, SEALANT SHALL BE DOW CORNING 888 OR EQUAL (JOINT MUST BE TOOLED).

- ASPHALT PAVING NOTES:**
1. PAVING SHOULD BE INSTALLED LATE IN CONSTRUCTION WHEN MOST HEAVY CONSTRUCTION TRAFFIC SUCH AS CONCRETE TRUCKS AND MATERIAL DELIVERY TRUCKS WILL NO LONGER COME ON SITE. IF DESIRED, A LAYER OF BASE COURSE CAN BE PLACED EARLIER TO PROVIDE A WORKING SURFACE. ANY BASE COURSE AREAS OBSERVED TO BE DAMAGED DURING CONSTRUCTION SHOULD BE REMOVED AND REPLACED PRIOR TO PLACING THE SURFACE COURSE.
 2. WITHIN 24 HOURS PRIOR TO ANY PAVING OPERATION, THE CONTRACTOR SHALL PERFORM SUBGRADE COMPACTION AND PROOF ROLL TESTS ON PREPARED SUBGRADE TO VERIFY THAT SUBGRADE HAS NOT DETERIORATED DURING PROJECT CONSTRUCTION.
 3. ALL ASPHALT THAT ABUTS CONCRETE IS TO BE FINISHED AT 1/4" INCH ABOVE FINISHED CONCRETE ELEVATION.
 4. AFTER COMPLETING THE PAVING OPERATION, THE CONTRACTOR IS RESPONSIBLE FOR HAVING PAVEMENTS CORED AND SUBMITTING CORE RESULTS TO ENGINEER AND OWNER.

- GEOGRID NOTES:**
1. GEOGRID MATERIALS WILL BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. CONTRACTOR SHALL PROVIDE OWNER WITH REQUIRED GEOGRID QUANTITY NEEDED FOR CONSTRUCTION AS SHOWN ON THE PLANS. THE POINT OF CONTACT FOR ALL GEOGRID MATTERS AT L.E. GEOSOLUTIONS IS JIM PENMAN, TEL 404 368-0052.
 2. CONTRACTOR SHALL PROVIDE LOVES WITH THE GEOGRID QUANTITY NEEDED FOR THIS INSTALLATION WITH SUFFICIENT ADVANCE NOTICE FOR THIS GEOGRID ORDER TO BE DELIVERED TO SITE.

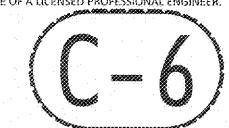


Know what's below.
Call before you dig.



THIS DRAWING IS NOT VALID WITHOUT AN ORIGINAL BLUE INK SIGNATURE AND ORIGINAL HANDWRITTEN DATE OF A LICENSED PROFESSIONAL ENGINEER.

PAVEMENT DETAILS



LOVE'S TRAVEL STOP
 I-75 EXIT 310 @ UNION GROVE ROAD
 CALHOUN, GEORGIA

RESOURCECONSULTING
 CIVIL ENGINEERING
 6700 Jefferson Highway - Suite 44
 Baton Rouge, Louisiana 70806
 ResourceConsulting@hotmail.com
 Tel: (225) 761-9909, Fax (225) 766-6672



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