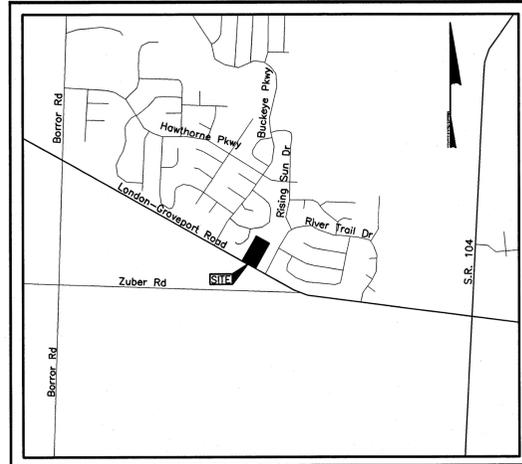


BUCKEYE CHRISTIAN CHURCH

1528 London-Groveport Road
 CITY OF GROVE CITY, FRANKLIN COUNTY, OHIO
 PARKING LOT IMPROVEMENT PLAN

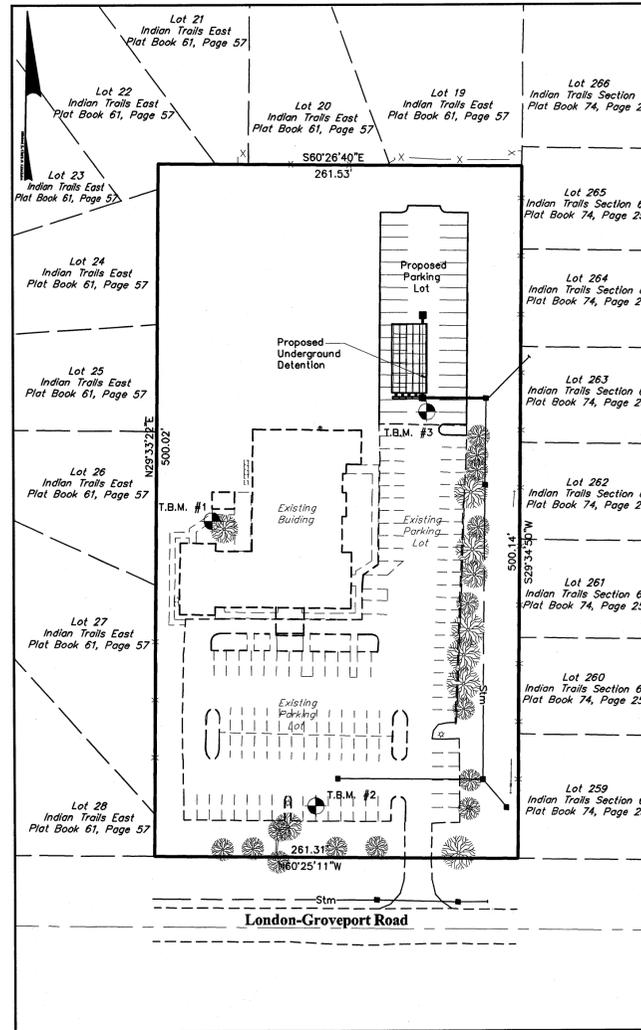


LOCATION MAP
 Not to Scale

BENCH MARKS

Plan Elevations Based on NGVD 1929 Datum

- T.B.M. #1 P.K. Nail in Concrete Sidewalk Located Approximately 28' West of the Existing Building and 16' North of the Existing Building
 Elevation=753.40
- T.B.M. #2 Iron Pin Set Located Approximately 8' North of the Existing Parking Lot and 45' East of the Existing Building.
 Elevation=750.89
- T.B.M. #3 P.K. Nail in Asphalt Located Approximately 60' West of the Existing Driveway and 74' North of London-Groveport Road
 Elevation=751.53



INDEX MAP
 Scale: 1"=60'

INDEX OF DRAWINGS

- Sheet 1: Location Map, Bench Marks, Estimate of Quantities
- Sheet 2: General Notes and Details
- Sheet 3: Site Construction Plan

STANDARD DRAWINGS

The Ohio Department of Transportation standard drawings listed on this plan shall be considered part of the Plan.

- ODOT
- CB 1.1
- CB 1.2
- HW 1.1



APPROVED BY:

Grove City
 4035 Broadway
 Grove City, Ohio
 Off: 614-277-3000
 Fax: 614-277-3011

City of Grove City

Date:

MICHAEL E.
CLARK & ASSOCIATES
 ENGINEERS - SURVEYORS - PLANNING CONSULTANTS
 15 WEST MAIN STREET
 CIRCLEVILLE, OHIO 43115
 PHONE (740) 474-9533 Fax (740) 474-9553

Jason W. Harral, P.E. # 71458

Date:

Revisions

CITY OF GROVE CITY, FRANKLIN COUNTY, OHIO
 PARKING LOT IMPROVEMENT PLAN
BUCKEYE CHRISTIAN CHURCH
 LOCATION MAP, BENCH MARKS AND ESTIMATED QUANTITIES

MICHAEL E.
CLARK & ASSOCIATES
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 15 WEST MAIN STREET
 CIRCLEVILLE, OHIO 43115
 PHONE (740) 474-9533 Fax (740) 474-9553



Date: March 24, 2011
 Project No.: E101040
 Sheet No.: 1/3
 Scale: As Noted

General Notes:

Gen 1. The Grove City Requirements requirements, together with the latest edition of the State of Ohio Department of Transportation and the City of Columbus Construction and Material Specification, shall govern all construction items, material, workmanship, etc. that are a part of this plan, enforced on the date of contract, unless otherwise noted. Except as such specifications are modified by the following general notes and/or specifications or by the construction details set forth herein, the contractor shall also conform to requirements of the Grove City General Provisions and the standard City of Columbus Detail Construction Drawings. If there are any discrepancies, the Village of Ashville Requirements shall govern.

Gen 2. Any modification to the specifications or changes to work as shown on these drawings must have prior written approval by the Village Engineer.

Gen 3. The contractor or subcontractor shall be solely responsible for complying with all Federal, State, and Local Safety Requirements, together with exercising precautions at all times for protection of persons (including employees) and property. It is also the sole responsibility of the Contractor or Subcontractor to initiate, maintain, and supervise all safety requirements, precautions, and programs in connection with the work. The contractor or subcontractor shall also abide by all ordinances of the Village of Ashville, Ohio.

Gen 4. Prior to bidding the Contractor shall, by personal examination, satisfy themselves as to the location of the proposed work and to acquaint themselves thoroughly with the existing conditions and the difficulties that are likely to be encountered in the performance of the proposed work. This is especially true with regard to any removal items.

Gen 5. All work shall be completely acceptable to the Village of Ashville Officials, no work shall be commenced until arrangements have been made with the Village of Ashville Engineer for inspection. Necessary line and grade staking will be provided by the developer. Cut sheets shall be submitted and approved by the Village prior to the beginning of construction.

Gen 6. Prior to beginning construction, the contractor shall make all arrangements necessary to coordinate and provide full-time inspection service by the Village for the proposed work, cost of inspection shall be paid for by the developer.

Gen 7. The Contractor shall provide written notification to the Village of Ashville Engineering department at least seven (7) days prior to any construction.

Gen 8. The Contractor or developer shall secure and pay for all necessary permits and government fees, licenses, and inspections for the proper execution and completion of the improvements shown on the plans prior to construction. All pertinent standard construction drawings are available upon request of the office of the Village Engineer.

Gen 9. The Contractor shall notify all of the affected property owners at least two (2) weeks prior to the scheduled commencement of work on the job site. This letter shall state the date construction is to begin and that resident should remove any items, example: shrubs, spot lights, fences, stones or bricks, etc., which may fall within the work limits. The letter should also contain the name and a twenty-four (24) hour phone number of a contact, from the contractor's firm, who could be contacted in case of emergency. This letter, for convenience purposes, shall include a number for all local law enforcement agencies and fire safety forces.

Gen 10. Existing utilities shown are from best available records and field investigation, and are not necessarily complete or exact. The contractor is responsible for the investigation, location, support, protection and restoration of all existing utilities and appurtenances neither shown on these plans or not. The Contractor shall expose all utilities or structures prior to construction to verify the vertical and horizontal effect of the proposed construction, and shall make adjustments in elevations as directed by the Village Engineer to provide sufficient clearance between the proposed and existing utilities. The Contractor shall contact the Ohio Utilities Protection Service (OUPS) at 1-800-362-2764 three (3) working days prior to work in the vicinity of their underground lines and according to 153.64, Ohio Revised Code (ORC) shall notify all utility companies at least forty-eight (48) hours prior to work in the vicinity of their underground lines.

Gen 11. The following utilities and owners are located within the work limits of this project and ID subscribe to a registered underground utility services:

Verizon 500 Lancaster Pike Circleville, Ohio 43113 (740) 474-5033	Columbia Gas Transmission 1320 Sugar Grove Road Columbus, Ohio 43232
South Central Power Company 2320 Consoth Road, NE Lancaster, Ohio 43130 (614) 653-4422	American Electric Power 1320 Sugar Grove Road Lancaster, Ohio 43130 (740) 688-4700
Time Warner Communications 1315 Granville Pike Lancaster, Ohio 43130 (740) 635-9685	SBC 140 West Wheeling Street Lancaster, Ohio 43130 (740) 687-6686

Columbia Gas of Ohio
Service Department 843 Platt Avenue
Chillicothe, Ohio 45601
(614) 772-9224

Gen 12. The Contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies and where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The Village of Ashville and/or Engineer assumes no responsibility as to the accuracy or depths of the underground facilities as shown on the plans. The Contractor must call the appropriate utility company at least seven (7) days before any excavation to request exact field location of utilities. It shall be the responsibility for the Contractor to relocate all existing utilities which conflict with the proposed improvements shown on the plans.

Gen 13. The Contractor is responsible for coordinating the relocation of any utilities as required by the plan with the owner of the affected utility.

Gen 14. Where potential grade conflicts might occur with existing utilities, the Contractor will be required to uncover such utilities sufficiently in advance of laying pipe or duct in order that the engineer may determine the exact elevation and make any necessary adjustments. Cost of the above shall be included in the price bid for the various items in the contract.

Gen 15. All materials including piping, appurtenances, manholes, gravel, etc., to be utilized for dedicated public utilities or roadways must be approved by the Village of Ashville Engineer.

Gen 16. All field ties broken during excavation shall be replaced by the Contractor to original condition or connected to the curb sub drain or to the storm sewer systems as directed by the Engineer.

Gen 17. Twenty-four (24) hour advance notification is required for all work requiring inspection, testing, or approval by the Village Engineer or Building Departments.

Gen 18. The Contractor shall repair or replace any and all existing work damaged during or due to the execution of this contract to equal or better condition prior to the damage, at their own expense. All soil work to be repaired or replaced to the satisfaction of the developer, Engineer, and village of Ashville Engineer. Any damage to other utilities caused by the contractor shall be repaired by the appropriate utility company at the Contractor's expense.

Gen 19. Care shall be exercised when working the area around existing trees and shrubs. Any trees or shrubs not marked for removal that are damaged by the Contractor will have to be replaced by the contractor to the satisfaction of the Owner.

Gen 20. Any Property Corner pins or permanent survey markers disturbed during construction shall be reset by a Registered Surveyor at the Contractor's expense.

Gen 21. Existing structures to be removed or demolished require a "demolition permit" issued by the Village of Ashville Engineer.

Gen 22. The Contractor shall be responsible for maintaining mail service in the construction area.

Gen 23. The Contractor shall not order material or perform work for items designated by plan notes to be used "as directed by the Engineer" unless authorized by the Engineer. The actual work locations and quantities used for such items shall be incorporated into the final change order governing completion of this project.

Gen 24. All items of work called for on the plans for which no specific method of payment is provided shall be performed by the Contractor and the cost of it shall be included in the price bid for the various related items.

Gen 25. All excavation on this project is unclassified. The Contractor shall make all excavation of whatever nature necessary for construction of water lines and sewers and their appurtenant structures included in this project.

General Notes (Cont.):

Gen 26. Approval of construction plans is contingent on all easements required for the construction of the work being secured and shown on the final plan for recording; no work that requires an easement will be allowed to proceed until this has been done.

Gen 27. Twenty-four (24) hour advance notification is required for all work requiring inspection, testing, or approval by the Village Engineer or Building Departments.

Gen 28. The Contractor is responsible to notify the Village Engineer and request a final punch-out inspection of the site once all of the items on the approved development plans has been completed.

Gen 29. The Contractor shall sufficiently expose each utility or structure indicated on the plans in advance of excavating to determine if a grade conflict occurs. Locations shown are approximate only other utilities not marked may also require exposing.

Gen 30. The developer is responsible for having "as-built" construction drawings sent to the Village Engineer after the project has been completed. The plans must include top-of-casting and flow-line elevations for all sanitary and storm structures and identify all field modifications to the approved plan set. The "as built" drawings must also include State Plane Coordinates for all newly constructed public utility structures.

Gen 31. Access to all adjoining properties shall be maintained at all times, unless otherwise shown on the drawings.

Gen 32. All site clearing shall be performed by the Owner at his expense prior to construction of this project subject to compliance with the Village of Ashville Zoning Code.

Gen 33. All trees, either standing or fallen, and stumps within the construction limits shall be removed under the lump sum bid for item 201, clearing and grubbing unless directed otherwise.

Gen 34. At all utility crossings, the backfill shall consist of compacted granular material in accordance with C.M.S.C. item 912 between the deeper and shallower pipe, where proposed utilities or services cross proposed or existing pavement areas, backfill shall be compacted granular material in accordance with C.M.S.C. item 912 extending at least three (3) feet beyond the back of curb or edge of pavement. The cost to be included in the price bid for related pipe, C.M.S.C. item 912 may be substituted.

Gen 35. In the event that it becomes necessary, the Village of Ashville shall perform work of an immediate nature required of the Contractor by this contract because of the failure or refusal of the Contractor to perform-such work, the Contractor shall reimburse the Village of Ashville at the rate of 2.5 times the actual cost of labor, materials and equipment necessary to perform such work. The Village of Ashville shall be required to notify or attempt to notify the designated representative of the Contractor of the necessity to perform such work, in the event of an emergency, no notification is required. If the Contractor refuses or fails within a reasonable time to perform or cause the performance of such work, the Village of Ashville shall be reimbursed by the Contractor in the amount provided herein, reasonable time for all streets involved on this contract is one (1) hour from the time of notification by the Village of Ashville.

Gen 36. Prior to the construction of the streets, soil tests shall be made on all Sanitary Sewer and designated Storm Sewer trenches which cross the proposed pavements or which lie such that the proposed pavements are located within any part of the influence line of said trench, where said results indicated that the trench backfill does not meet the compaction requirements of 912.03 of the construction and material specifications, all backfill material shall be removed, replaced and re-tested until compaction meets requirements of 912.03.

Gen 37. All sidewalks, curb ramps, and curbs and gutters shall meet Federal A.D.A. (Americans with disabilities act) requirements, latest edition.

Gen 38. Any existing pavement removed for sanitary sewer, storm sewer or waterline placement shall be backfilled and compacted to a maximum density of 100x or with controlled density fill (CDF), reference city of Columbus item 912 or 636. If CDF is used all ductile or cast iron pipe in contact with CDF shall be poly-wrapped in accordance with C-7484 or AWWA C-105.

Gen 39. Any tunneling or boring of any pipelines shall be in accordance with plans approved by the Village Engineer.

Gen 40. During the construction of the improvements shown on these plans, sedimentation and erosion control shall be controlled in accordance with applicable state and federal regulations, the contractor is responsible for maintaining erosion and sediment control in accordance with EPA standards where needed for the duration of the project, all costs associated with sedimentation and erosion control shall be included in the unit price bid for the pipe.

Gen 41. The Contractor shall, prior to bidding, carefully study the Geotechnical report, as provided as a part of the bid documents, and make site visits to satisfy himself of the site conditions. The Contractor shall, as a part of his bid, submit a detailed de-watering plan that shall include the number and spacing of well points, the size of pumps to be used, the points of discharge of said de-watering operations, and any other information pertinent to the de-watering of the project. No extra payment shall be made for de-watering; all costs for de-watering shall be included in the unit price bid for associated items, by submitting a bid the Contractor is stating that he clearly understands the scope of the de-watering for the project and has included this work in his unit price bid for associated items.

Gen 42. The City of Columbus Standard Drawings shall govern all projects unless otherwise noted.

Gen 43. The Contractor shall clean up- all debris and materials resulting from his operations and restore all surfaces, structures, ditches, and property to its original condition to the satisfaction of the Engineer.

Gen 44. The Contractor shall confine his activities to the project site under development or the existing right-of-ways, construction, and permanent easements and shall not trespass upon other private property without the written consent of the Owner.

Gen 45. The Contractor shall dispose of all surplus excavation off-site or mound for future sections mounded material shall be dressed-up, stabilized and seeded according to specifications. Mounds shall not exceed to the height and shall not interfere with site drainage.

Gen 46. The information shown concerning existing utilities is not represented, warranted, or guaranteed to be complete or accurate. It shall be the Contractor's responsibility to physically locate and verify, in the field, all utility locations and elevations, whether shown on the plan or not, prior to the beginning of construction operations. The Contractor shall support, protect, and restore all existing utilities and their associated items.

Gen 47. Compliance with the occupational safety and health act of 1970 is required of all Contractors on this project.

Gen 48. Where manholes are located within street grading limits, the tops shall be built to elevations shown or ordered. Elsewhere manholes shall be built or subsequent adjusted to meet surface grades established for the development. The cost of the adjustment is to be included in the price bid for the manhole.

Gen 49. The Contractor shall clean up all debris and material resulting from his operation and restore all other surfaces, structures, ditches, on public and adjacent property to their original conditions to the satisfaction of the Engineer and the Developer's property to their satisfaction. All costs for this work shall be included with the price bid for the various items.

Sanitary and Storm water Sewer Notes:

1. The minimum requirement for storm sewer pipe shall be: 8 through 36" high density polyethylene n-12 or equal high density polyethylene pipe with smooth interior wall. Storm drains larger than 36" shall meet the requirements of AASHTO m-294-s. reinforced concrete RCP may be specified by the engineer when they deem necessary.

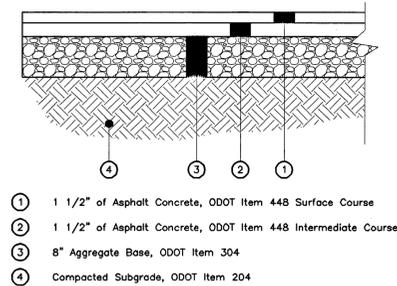
2. All trench backfill shall be compacted backfill as per CMSC Item 911. The cost of oil compacted backfill shall be included in the price bid for furnishing and installing pipe.

3. In addition to the requirements of CMSC item 901.08 as it refers to compacted backfill, there may be areas on the plans with the limits indicated on the profile view of the sewer as "Compacted Granular Backfill"; these areas will be compacted to meet the requirements of CMSC item 912.03, payment for the compaction of backfill within these areas shall be included in the price bid for furnishing and installing pipe.

4. Structure locations: The Dimensions of the Structures shown on the plans are to the center of the structure base.

5. The maximum trench width shall not be greater than the outside diameter of the pipe plus two (2) feet.

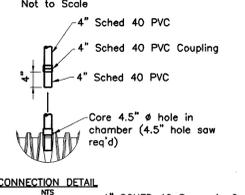
6. The Contractor shall submit to the design Engineer and the City Engineer for his or her review, five copies of shop drawings for all materials, structures, gradation certifications and equipment before any of the said materials, structures or equipment is ordered. The Owner nor City bore any responsibility to accept any of the above mentioned items without a completed review of said shop drawings. Shop drawings shall be approved by the design Engineer prior to submittal to the City engineer. These documents shall be bound and indexed with numbered sheets for each item or pages numbered throughout.



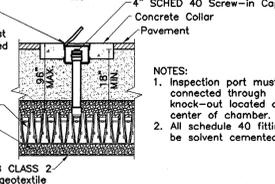
Pavement Section
Not to Scale

- ALL DESIGN SPECIFICATIONS FOR STORMTECH SC-740 CHAMBERS SHALL BE IN ACCORDANCE WITH THE STORMTECH DESIGN MANUAL.
- THE INSTALLATION OF STORMTECH SC-740 CHAMBERS SHALL BE IN ACCORDANCE WITH THE LATEST STORMTECH INSTALLATION INSTRUCTIONS.
- THE CONTRACTOR IS ADVISED TO REVIEW AND UNDERSTAND THE INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING SYSTEM INSTALLATION. CALL 1-888-892-2694 OR VISIT WWW.STORMTECH.COM TO RECEIVE A COPY OF THE LATEST STORMTECH INSTALLATION INSTRUCTIONS.
- CHAMBERS SHALL MEET THE DESIGN REQUIREMENTS AND LOAD FACTORS SPECIFIED IN SECTION 12.12 OF THE LATEST EDITION OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

SC-740 Notes
Not to Scale



SC-740 Manifold Detail
Not to Scale

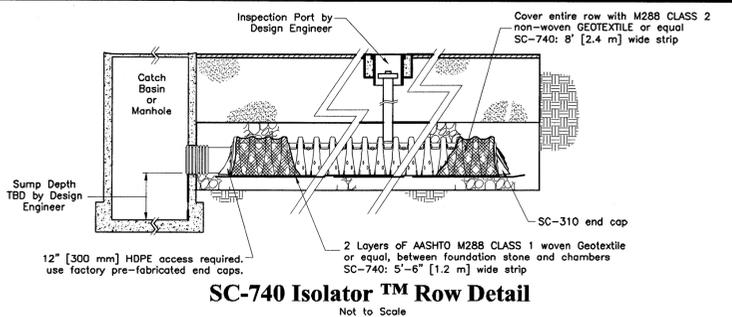


SC-740 Inspection Port Detail
Not to Scale

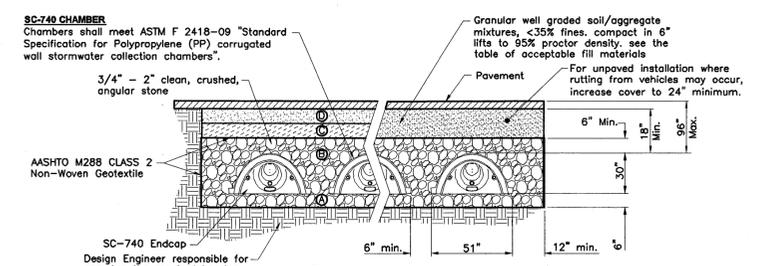
MATERIAL LOCATION	DESCRIPTION	AASHTO M43 DESIGNATION	COMPACTION/DENSITY REQUIREMENT
ⓐ Fill material for layer 'D' starts from the top of the 'C' layer to the bottom of flexible pavement or unpaved finish grade above. Note that pavement subbase may be part of this layer.	Any soil/rock materials, native soils, or per engineer's plans. check plans for pavement subgrade requirements.	N/A	Prepare per engineer's plans. paved installations may have stringent material and preparation requirements.
ⓑ Fill material for layer 'C' starts from the top of the embedment stone ('B' layer) to 18" [457 mm] above the top of the chamber. note that pavement subbase may be a part of this layer.	Granular well-graded soil/aggregate mixtures, < 35% fines. most Pavement sub-base materials can be used in lieu of this layer.	3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 76, 8, 89, 9, 10	Begin compaction after 12" [305 mm] of material over the chambers is reached, compact additional layers in 6" [152 mm] lifts to a min. 95% standard proctor density, roller gross vehicle weight not to exceed 12,000 lbs [53 kn], dynamic force not to exceed 20,000 lbs [89 kn].
ⓒ Embedment stone surrounding the chambers from the foundation stone ('A' layer) to the 'C' layer above.	Clean, crushed, angular stone, nominal size distribution between 3/4 - 2 inch [19 - 51 mm]	3, 357, 4, 467, 5, 56, 57	No compaction required.
ⓓ Foundation stone below chambers from the subgrade up to the foot (bottom) of the chamber.	Clean, crushed, angular stone, nominal size distribution between 3/4 - 2 inch [19 - 51 mm]	3, 35, 4, 467, 5, 56, 57	Plate compaction or roll to achieve a 95% standard proctor density.

PLEASE NOTE:
1. The listed AASHTO designations are for gradations only. the stone must also be clean, crushed, angular. for example, a specification for #4 stone would state: "clean, crushed, angular no. 4 (AASHTO M43) stone".
2. As an alternate to proctor testing and field density measurements on open graded stone, stormtech compaction requirements are met for 'A' location materials when placed and compacted in 9" [229 mm] (max) lifts using two full coverages with an appropriate compactor.

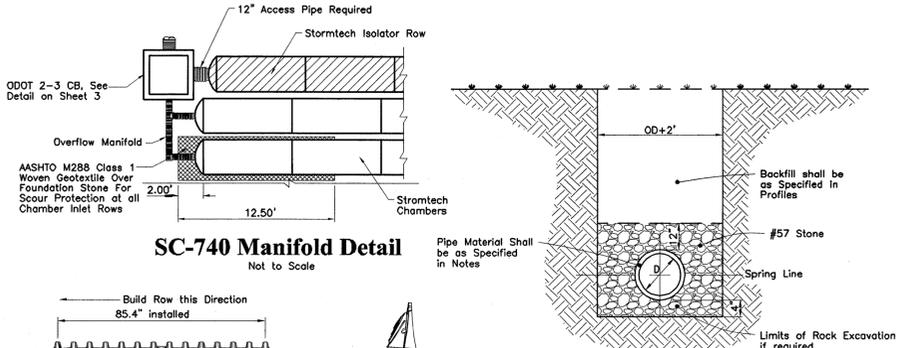
Stormtech Acceptable Fill Materials
Not to Scale



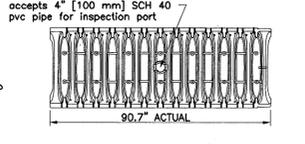
SC-740 Isolator TM Row Detail
Not to Scale



SC-740 Standard Cross Section
Not to Scale



Trench Detail
Not to Scale



size (w x h x installed length)	34.0" x 16.0" x 85.4" [864 mm x 406 mm x 2169 mm]
chamber storage	14.7 cubic feet [0.42 m ³]
minimum installed storage	31.0 cubic feet [0.88 m ³]
weight	35 lbs. [16.8 kg]

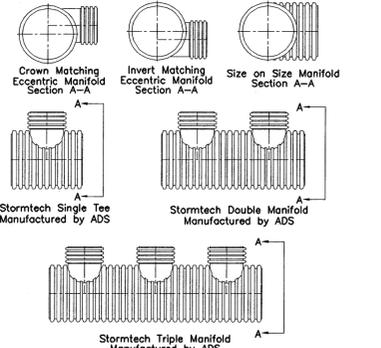
PART #	STUB	A	B	C
SC310EPE06T	6" [150 mm]	9.60" [244 mm]	5.80" [147 mm]	N/A
SC310EPE06B	6" [150 mm]	9.60" [244 mm]	N/A	0.50" [13 mm]
SC310EPE08T	8" [200 mm]	11.90" [302 mm]	3.50" [89 mm]	N/A
SC310EPE08B	8" [200 mm]	11.90" [302 mm]	N/A	0.60" [15 mm]
SC310EPE10T	10" [250 mm]	12.70" [323 mm]	1.40" [36 mm]	N/A
SC310EPE10B	10" [250 mm]	12.70" [323 mm]	N/A	0.70" [18 mm]
*SC310EPE12B	12" [300 mm]	13.50" [343 mm]	N/A	0.90" [23 mm]

NOTE: All Dimensions are Nominal

*For the SC310EPE12B the 12" stub lies below the bottom of the end cap approximately 0.25". backfill material should be removed from below the N-12 stub so that the fitting sits level.

All stubs, except for the SC310EPE12B are placed at bottom of end cap such that the outside diameter of the stub is flush with the bottom of the end cap. for additional information contact Stormtech at 1-888-892-2694.

SC-740 Technical Spec.
Not to Scale



Manifolds
Not to Scale

Revisions

No.	Description

CITY OF GROVE CITY, FRANKLIN COUNTY, OHIO
PARKING LOT IMPROVEMENT PLAN
BUCKEYE CHRISTIAN CHURCH
GENERAL NOTES AND DETAILS

MICHAEL E. CLARK & ASSOCIATES
ENGINEERS - SURVEYORS - PLANNING CONSULTANTS
100 WEST MAIN STREET
CIRCLEVILLE, OHIO 43004
PHONE (740) 474-5335 Fax (740) 474-9553

The McKnight Group
Date: March 24, 2011
Project No.: E101040
Scale: As Noted
Sheet No.: 2/3

Erosion Control Notes

1. Vegetative Practices Shall Be Initiated within 7 days for areas that have been disturbed that remain dormant for 21 days or more.
2. Silt Fence To Be Placed In All Areas Indicated Prior To Commencement Of Work Where Applicable.
3. All Erosion And Sediment Control Measures Are To Be Inspected At Least Once Every 7 Days And Within 24 Hours After Any Storm event Greater Than 0.5 Inches Of Rain Per 24 Hour Period.
4. Upon Completion Of Construction The Entire Site Is To Be Permanently Seeded.
5. All Temporary Erosion And Sediment Control Measures Shall Be Maintained In Working Order Until Final Site Stabilization Is Obtained. After These Controls Are No Longer Needed, They Shall Be Disposed Of Within 30 Days. Trapped Sediment Shall Be Permanently Stabilized To Prevent Further Erosion.
6. This Storm Water Pollution Prevention Plan is intended to Meet Or Exceed The Minimum Standards for Controlling Sources Or Pollutants On This Construction Site As Set Forth Under The Ohio EPA NPDES Permit No. OHC100002 Which Requires The Use Of Guidelines For Best Management Practices.
7. All Soils To Be Retained On Site.

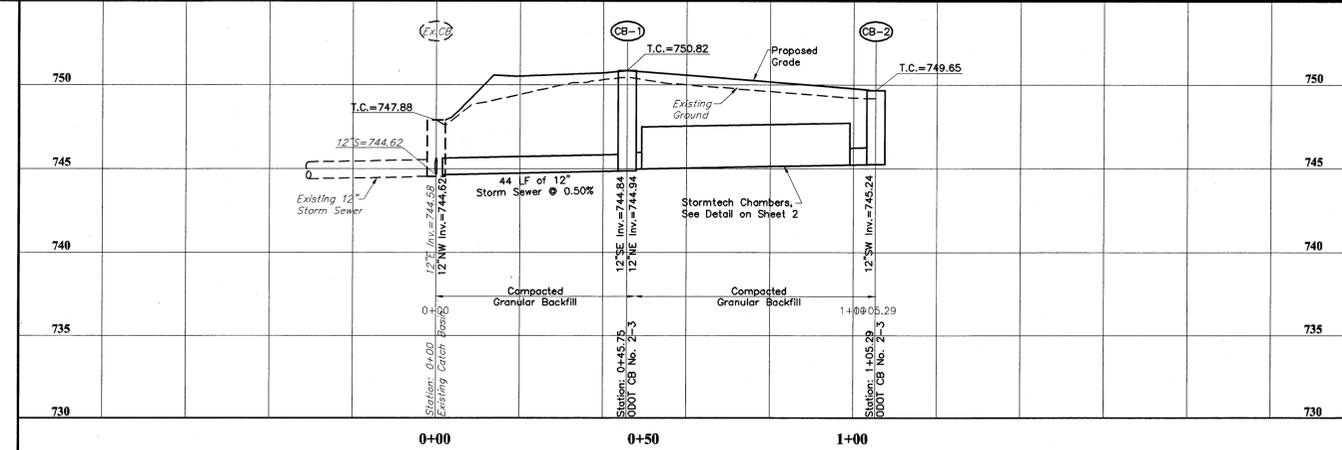
8. Sediment Is To Be Removed From Wheels Prior To Entrance Onto Public Right Of Way. When Washing Is Required, It Shall Be Done On An Area Stabilized With Crushed Stone Which Drains Into An Approved Sediment Trap. All Sediment Shall Be Prevented From Entering Any Storm Drain, Ditch, or Watercourse Through Use Of Sand Bags, Gravel, Boards or Other Approved Methods. The Entrance Shall Be Maintained In A Condition Which Will Prevent Tracking Or Flowing Of Sediment Onto Public Right Of Way. This May Require Periodic Top Dressing With Stone As Conditions Demand And Repair And/Or Spilled Droppeds, Washed Or Tracked Onto Public Right Of Way Must Be Removed Immediately.
9. All Storm sewer inlets shall be protected so that sediment-laden water will not enter the storm sewer system without first being filtered or otherwise treated to remove sediment.

Erosion and Sedimentation Control General:
The contractor is responsible for controlling soil erosion, resulting from his operations. It shall be the objective of the Contractor to contain erosion siltation and sedimentation to the project site in-so-far as practical. The Engineer may require additional activities when and where the work as set forth herein is not sufficient to control the effects of erosion, siltation, and sedimentation on non-project site properties.

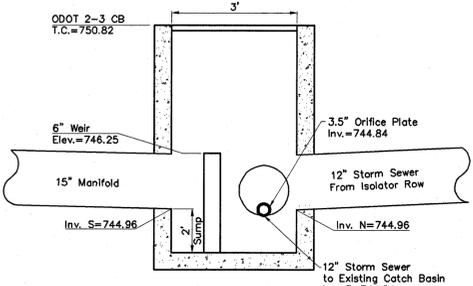
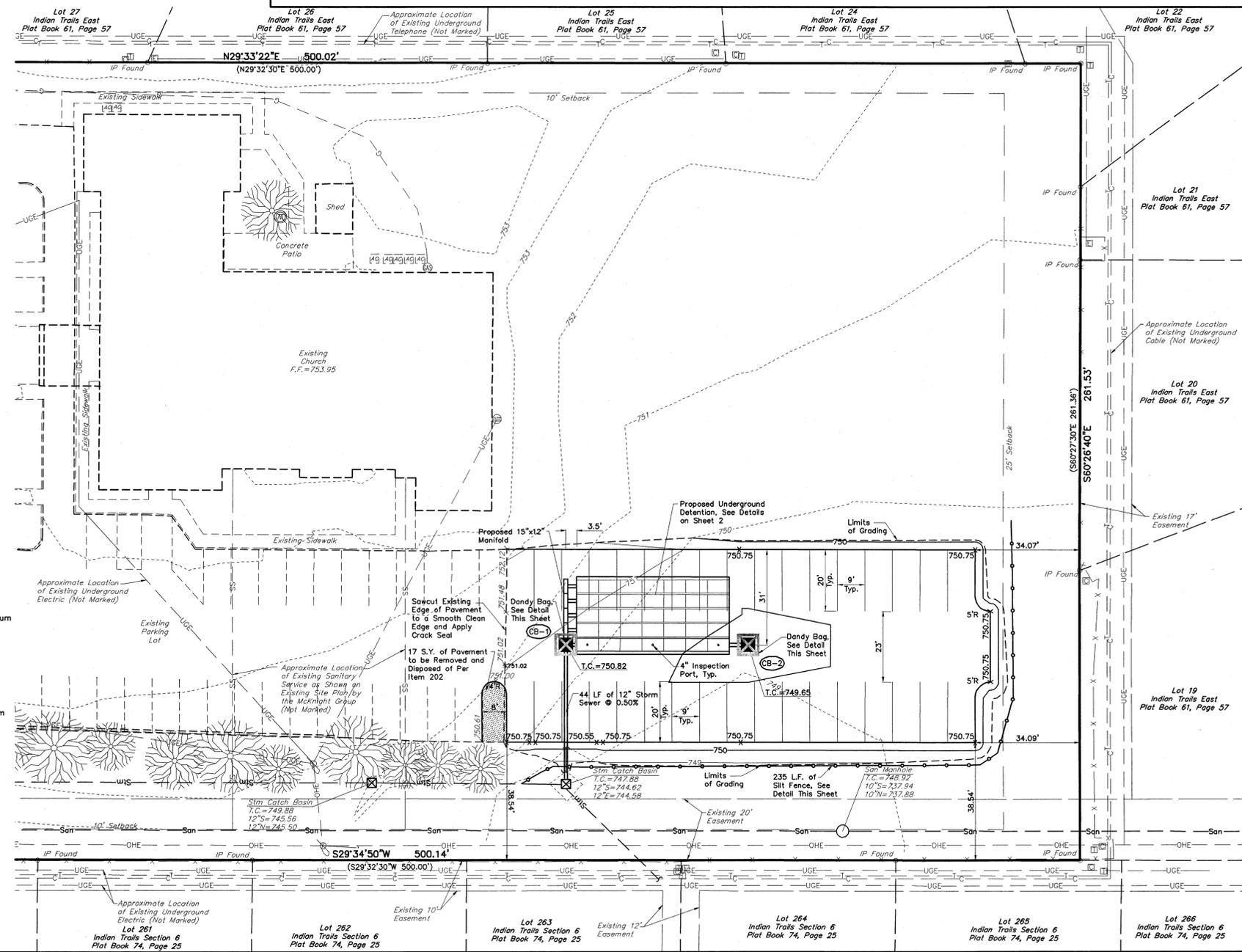
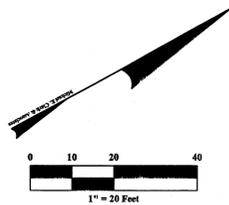
Topsoil should be removed and stockpiled from all work areas prior to the commencement of construction of ditches and/or base paving of streets, topsoil from the stockpile shall be spread over the exposed areas and graded as required to prepare areas for permanent seeding, agricultural lime, fertilizing, and mulching material shall be as per the pertinent 659 items. Seeding should be applied the same day that grading operations are complete. All constructed slopes and cuts shall be seeded at each vertical interval of no more than ten (10) feet is completed. The contractor shall irrigate or water as necessary to establish a healthy, erosion resistant cover crop or grass stand. When grading operations shall cease for a period of ten (10) calendar days or more, temporary seeding per item 659 shall be immediately applied. If an unexpected delay is encountered, seed immediately when recognized. If construction takes place from October 1 to February 28, all exposed areas are to be temporarily mulched until March 1 and then permanently seeded as previously specified. Mulching shall be applied at a rate of 100 pounds per 1000 square feet. It shall be anchored with liquid asphalt rapid curing (R.C. 70 250 or 800) at a rate of 0.04 gallons per square yard. When applied during freezing weather it shall be cut back with a kerosene-like product. In areas where runoff water is concentrated mulch nettings of jute, bio-degradable synthetic materials or concentrated concentrated mulch netting of jute, bio-degradable synthetic materials or light weight paper shall be used to hold the mulch in place. Substitute anchoring methods may be used such as straight disk or notched disk to tuck the straw into the seeded three (3) inches horizontal to the slope.

Erosion Control Narrative

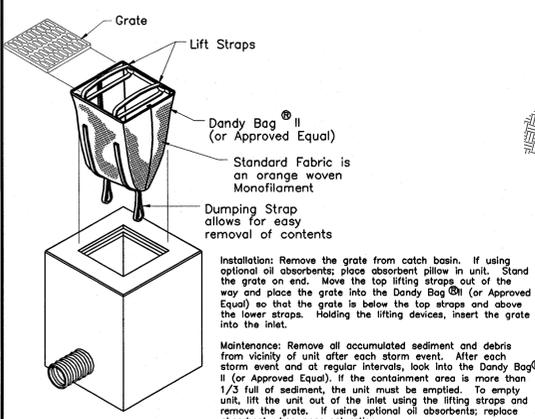
Owner: Buckeye Christian Church
Project Name: Buckeye Christian Church Parking Lot Improvements
Type: Church Parking Lot
Receiving Water: An unnamed Tributary
Disturbed Area: 0.30± Acres
Project Description: New Parking Lot with Underground Detention.
Estimated Schedule: July 2011 - August 2011
Construction Activity: Construction activity will consist of earthwork, installation of asphalt parking lot, storm sewer, underground detention, and seeding and mulching.
Erosion Control Plan: Erosion and sedimentation will be controlled through a combination of Silt Fence, and Dandy Bags.
Existing Site: Maintained Open Area



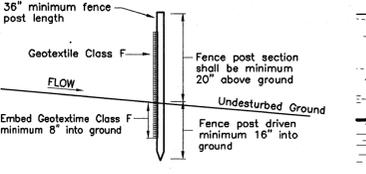
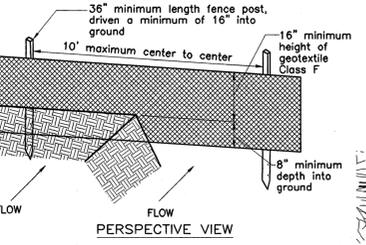
Revisions	Description



Catch Basin Detail - CB-1
Not to Scale



Catch Basin Protection Detail
Not to Scale



Silt Fence Installation
Not to Scale

CITY OF GROVE CITY, FRANKLIN COUNTY, OHIO
PARKING LOT IMPROVEMENT PLAN
BUCKEYE CHRISTIAN CHURCH
SITE CONSTRUCTION PLAN

MICHAEL E.
CLARK & ASSOCIATES
ENGINEERS - SURVEYORS - PLANNING CONSULTANTS
CINCINNATI, OHIO 45215
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The McKnight Group

Date: March 24, 2011
Project No.: E10040
Sheet No.: 3/3
Scale: 1"=20'