#### General Notes

General: All workmanship and material shall conform to the current specifications of the City of Massillon, Ohio, Division of Engineering and to the Standard Construction Drawings adopted thereby. The current 1997 or more recently revised edition of the Ohio Department of Transportation "Construction and Material Specifications" together with the requirements of the City of Massillon, Ohio in force on the date of contract, shall govern all materials and workmanship involved in the improvements shown on these plans, except as such specifications are modified by the following specifications or by the construction details set forth herein.

Working hours shall be between 7a.m. and 7p.m. Monday thru Friday, unless otherwise authorized by a Division of Engineering Representative.

Access shall be maintained to all private property at all times

All existing drainage courses shall be maintained

All field tile encountered in the performance of this work shall be restored to the original condition; or be rerouted to a suitable drainage outlet.

Any damage to existing streets caused by construction activities shall be repaired as required by the Division of Engineering Representative and/or be rebuilt to the existing pavement section whichever is areater.

The contractor shall arrange and pay for all construction staking.

WORK LIMITS: The contractor shall confine his activities to the Project Site under development or the existing rights-of-way, construction and permanent easements, and shall not trespass upon other private property without the written consent of the owner.

Approval of these plans is contingent upon all easements, required for the construction of the work, being secured and recorded prior to the commencement of the work. No work which requires an easement will be allowed to proceed until this has been done.

Any modifications of changes to the work as shown on the drawings must have prior written approval by a Division of Engineering Representative.

MISCELLANEOUS WORK: All items or 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 same shall be included in the price bid for the various related items.

CLEARING & GRUBBING: Clearing and grubbing operations shall be limited to the work limits of the project. Trees and natural vegetation will be preserved wherever possible.

The Contractor shall include in the bid price all clearing and grubbing and the removal of all brush, trees, and stumps within the work limits of the project.

EXISTING UTILITIES: 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 this plan or not prior to the beginning of his construction operations. The contractor shall support, protect, and restore all existing utilities and their associated items. The cost of this work shall be included in the price bid for the various items.

The Contractor shall notify all utility owners, in accordance with Section 153.64, Ohio Revised Code, at least forty-eight (48) hours prior to the beginning of any work, coordinate his work with them, and keep the utility owners appraised of his schedule and requirements until att work is completed.

Notice shall be given to the Ohio Utilities Protection Service (telephone 800-362-2764), for the member utilities.

Listed Below are all the known utilities located within the City corporation limits together with their respective owners:

Ameritech 50 W. Bowery, 6th. floor Akron, Ohio 44308 800-290-2242 Rick Marsili	Consumer Ohio Water Company P.O. Box 584 Massillon, Ohio 44648 (330) 833-4156	Ohio Edison Stark Division 2600 S. Erie St. Massillon, Ohio 44545 (330) 833-3141
Great Lakes Energy Partners P.O. Box 550 Hartville, Ohio 44632 (330) 877-6747	AT\$T Communications 2535 E. 40th. Ave. Denver, Co. 80205-3601 (800) 852-3786	Massillon Cable TV P.O. Box 814 Massillon, Ohio 44648 (330) 833-4134
City of Massillon Sanitary Sewer 151 Lincoln Way East Massillon, Ohio 44646 (330) 830-1722	The East Ohio Gas Company 4725 Southway St. S.W. Canton, Ohio 44706 (330) 478-3142	Northeast Ohio Natural Gas Corp. 1425 N. Wooster Ave. Strasburg, Ohio 44680-9766 (330) 878-5589 Joseph A Komara

Note: gas main along Ohio State Drive is owned by Northeast Ohio Natural Gas Corp.

SAFETY OF CONSTRUCTION: The Contractor and Sub-Contractor shall be solely responsible for all OSHA, federal, state, and local safety requirements, together with exercising precautions at all times for the protection of persons (including employees) and property. It is also the sole responsibility of the Contractor and Sub-Contractor to initiate, maintain and supervise all safety requirements, precautions and programs in connection with the work.

FINAL CLEAN-UP: the Contractor shall clean up all debris and materials resulting from his operation and restore all surfaces, structures, ditches, and property to its original condintion to the satisfaction of the Division of Engineering Representative.

DEBRIS: All debris shall be disposed of in a manner suitable to the Division of Engineering Representative. On site burial will be confined to an area designated by the project construction manager.

MATERIAL: Unless otherwise indicated on the plans, sewers and services shall be supplied with material conforming to the latest specifications for the following:

(1) polyvinyl chloride pipe and fittings, ASTM D 3034, SDR 35; joints to conform to ASTM D 3212. All PVC pipe shall have granular bedding to be placed from 4 inches below the pipe to 12 inches above the pipe. All bedding and granular backfill material shall have 100 percent passing of a 3/4" sieve. (ODOT Nos. 7,78,8,89). ODOT No. 57 and/or item 310, grading A may be used as an alternate material if approved by the Division of Engineering Representative.

During the construction of the sanitary sewers, where existing sewers are encountered and are interfered with, sanitary flows shall be maintained within the existing sewers. Temporary piping or pumping shall be provided between existing sanitary manholes in order to maintain existing sanitary

TESTING: Air testing shall be provided by the Contractor on all sanitary sewers. It shall be the Contractor's responsibility to provide all necessary equipment and perform the pressure test on all sanitary sewers to the satisfaction of the City of Massillon.

The Contractor's specific attention is directed to the requirements of either the infiltration, exfiltration or iar test as specified by the City of Massilon, Ohio. Leakage through the joints of the sewer shall not exceed the following limits: 100 gallons (for PVC or concrete) per inch of tributary sewer diameter per 24 hours per mile of length or the computed equivalent for shortened lengths and shorter periods of time. All sanitary sewers and services shall be tested.

STORM WATER CONNECTIONS: Floor drains, roof drains, foundation drains, downspout drains, storm sewers, ground water drains and all other clean water connections to the sanitary sewer are prohibited.

TRENCHES: All trenches crossing under existing or proposed paved areas and drives shall be backfilled with Type A material (compacted Granular material), from the top of the bedding material to the pavement subgrade or to a plane six (6) inches below the top of the ground.

PERMITS: the Contractor shall have in his possession and/or obtain all necessary permits, including a permit for the sanitary service connection, the drive aproaches and a street opening permit to connect to the existing catch basin. The Contractor responsible for construction of the items for which permits must be issued shall be liscensed to work within the City of Massillon.

The minimum horizontal separation between water and sanitary sewer lines shall be ten feet. The minimum vertical separation between water and sanitary sewer lines shall be eighteen inches.

When the sanitary sewer crosses under a proposed storm sewer, or waterline the trench shall be backfilled to the bottom of the proposed utility with compacted granular material, 10 lineal feet centered on the storm sewer or water line. Cost to be included in the price bid for the various

All City departments will require a written twenty-four (24) hour notice before work within the City can be started. No Saturday or Sunday work will be permitted unless previously approved by the Division of Engineering Representative.

The Division of Engineering Representative shall be notified a minimum of 48 hours prior to any construction activity.

All work must be visually inspected by a Division of Engineering Representative before work is covered or work will have to be uncovered for inspection and additional fee for inspection will be charged to the owner or contractor.

"As-built" plans showing all cleanout locations, length and grade of pipe for the sanitary service shall be supplied to the City of Massillon; Division of Engineering. WATER LINES

All waterlines must be either A.W.W.A. or N.S.F. approved.

All waterlines shall be located at least 10 feet horizontally and 18 inches vertically from sanitary and storm sewers.

Restrained joints and concrete blocking shall be provided at all bend and fittings.

If the top of the operating nut of any valve is greater than 36 inches below finished grade, and extension stern shall be furnished to bring the top of the operating nut to with 24 inches of finished grade elevation.

Water mains shall be laid with a minimum of 4'-6" from the top of finished grade to the centerline of water main. The water line shall be set deeper at all points where necessary to clear existing or proposed utility line of other underground restrictions.

All water mains shall be Ductile Iron, Concrete Lined Class 52 (6" through 12"). All bends, elbows, valves, tees, and fittings shall be ductile Iron Class 52, and shall require concrete thrust blocking. Obtain appropriate details from City of Masillon Engineering Division and or Water Department.

Where water mains or services cross proposed or existing pavement, the backfill shall be compacted granular material.

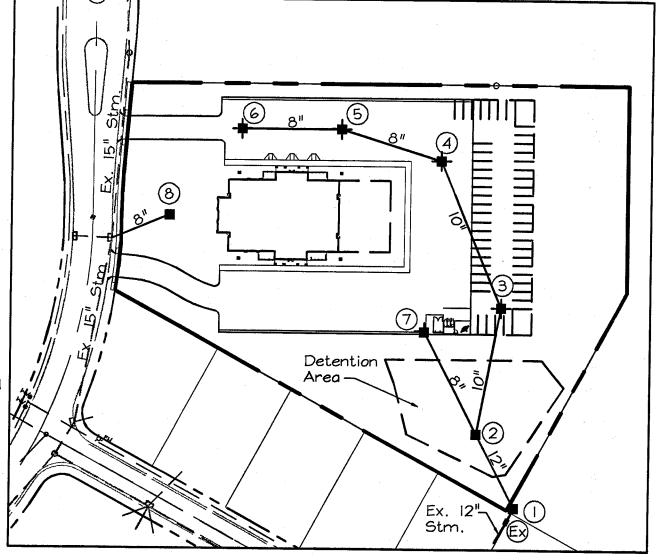
All water main valves shall be Resilient Seat Gate Valves that open counterclockwise.

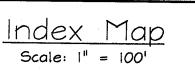
Water valve boxes shall be Cast Iron, street type.

Fire Hydrant shall be Traffic Break type, self draining with 4-1/2" valve opening. It shall have two (2), 2-1/2" NFST hose fittings and one (1), 4" pumper NFST fitting which open counterclockwise. Each hydrant will be valved. Each hydrant shall be anchored and set in gravel. Hydrants are to be set a minimum of 2 feet behind the back of curb. All hydrant tees shall be anchor tees. Hydrant types accepted are: American Darling MK-73, Mueller Centurion or Eddy-Clow.

All water mains shall be pressure tested to 150 PSI, chlorinated and bacteria tested before use per A.W.A. Standard C-600 \$ C-651. Consumer Ohio Water Company shall be contacted and a representative present during all waterline testing. The normal working pressure in the waterlines shall not be less than 35 p.s.i. Individual booster pumps shall not be allowed for any individual service.

The water service lateral shall be Type K Copper pipe with curb valve and box.





Owner

a Utah corporation

Area Project Manager

Fax: 1-770-934-1818

Phone: 1-770-493-7200

Corporation of the Presiding Bishop of

Address: 47 East South Temple

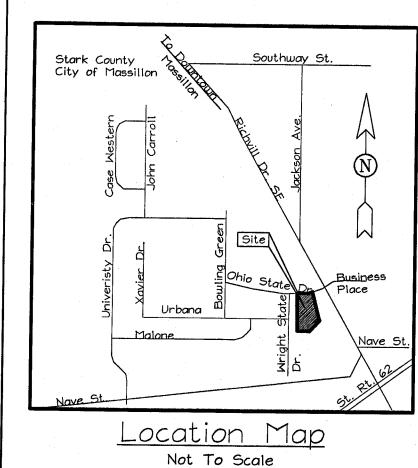
Represented by Jerry Morriss

Director of Temporal Affairs

City: Salt Lake City, Utah 84150

411 LF Silt Fence

The Church of Jesus Christ of Latter-day Saints,



Sheet Index

Cover Sheet Existing Topographic Survey Site Staking Plan C-3 C-4 Utility Plan Grading & Storm Sewer Plan Erosion Control Plan, Notes & Details C-7 Typical Site Details Landscape Plan

Estimate of Quantities The Standard Drawings listed on this Item Quantity Unit plan shall be considered a part thereof. Description STORM 1 EA Orifice Plate (see sheet C-7) 8 EA Catch Basin CB-2-2-A 603 397 | LF | 8" Pipe 603 299 LF 10" Pipe 104 LF 12" Pipe 180 LF 4" Perforated Underdrain WATER Spec Per Consumer Ohio Water Company I EA 6"x8" Tapping Sleeve \$ Valve I EA 6" Valve I EA Fire Hydrant 200 LF 2" Domestic Waterline 6 LF 6" Ductile Iron Waterline Cl 52 SANITARY 642 LF 6" Sanitary Service 5 EA Sanitary Cleanout EA 10"x6" Wve with riser EROSION CONTROL 207 8 EA Inlet sediment filter

I EA Construction Entrance (see sheet C-7)

work shall be included in the unit price bid for the various items.

The Contractor is directed to verify all Quantities prior to preparing and submitting

of payment is indicated shall be performed by the Contractor and the cost of such

his bid. Any items of work called for on the plans for which no specific method

Standard Drawings

Ohio Department of Transportation CB-2-2-A

City of Massillon

Drive Approach (see sheet C-7) Sidewalk (see sheet C-7)

MARK DATE

REVISION

**JARCHITECTS** 

43065

FIRESTONE JAROS MULLIN, INC

86 Hidden Ravines Drive

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fx 740-549-2199

Powell, Ohio

STAMP

ENGINEERS - LANDSCAPE ARCHITECTS - SURVEYORS 9015 Antares Avenue Columbus, OH 43240 Tel: 614.433.9015 Fax: 614.433.9513

PROJECT FOR

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NAME

CANTON 2nd WARD MEETINGHOUSE

PROJECT ADDRESS

OHIO STATE DRIVE MASSILLON, OHIO

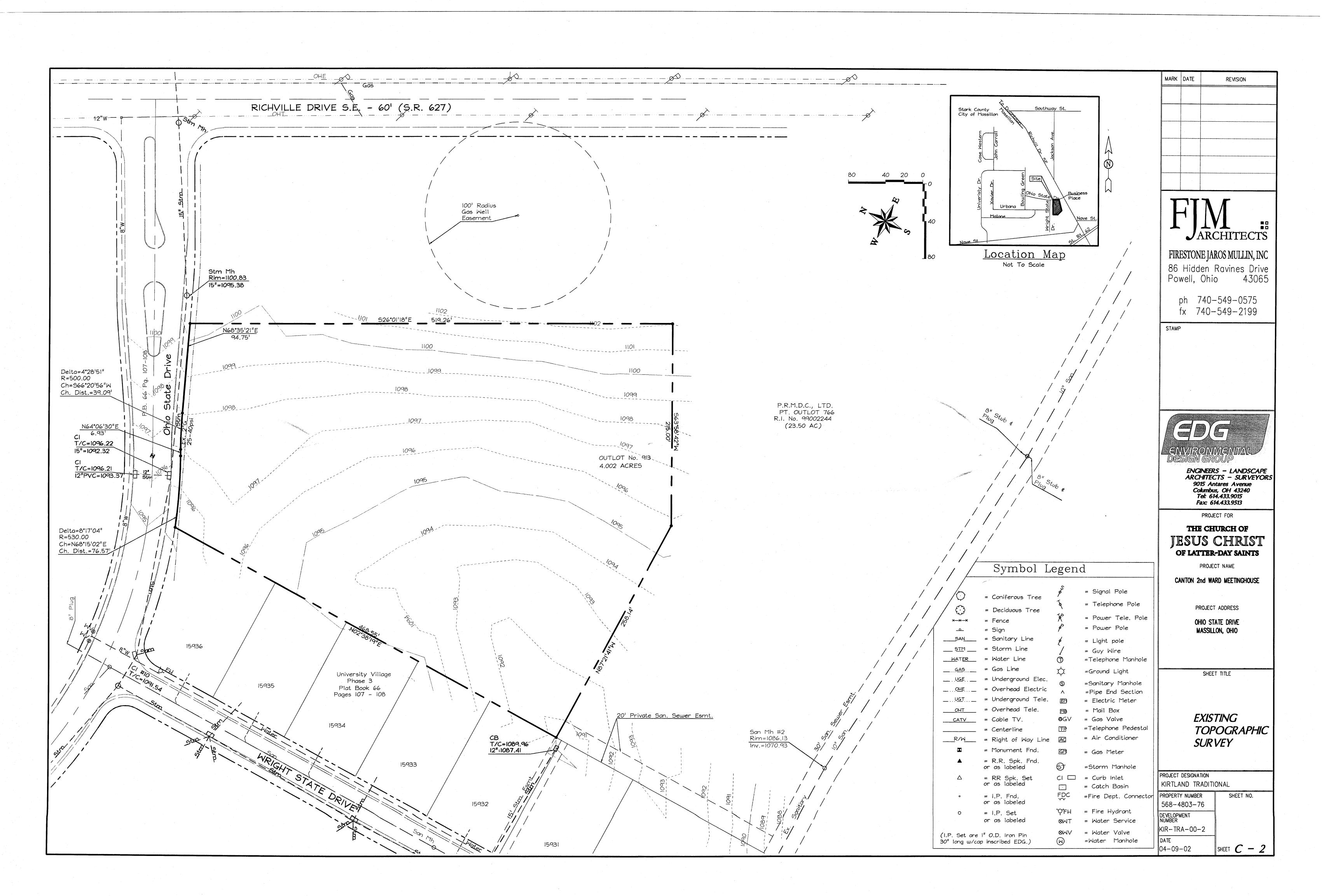
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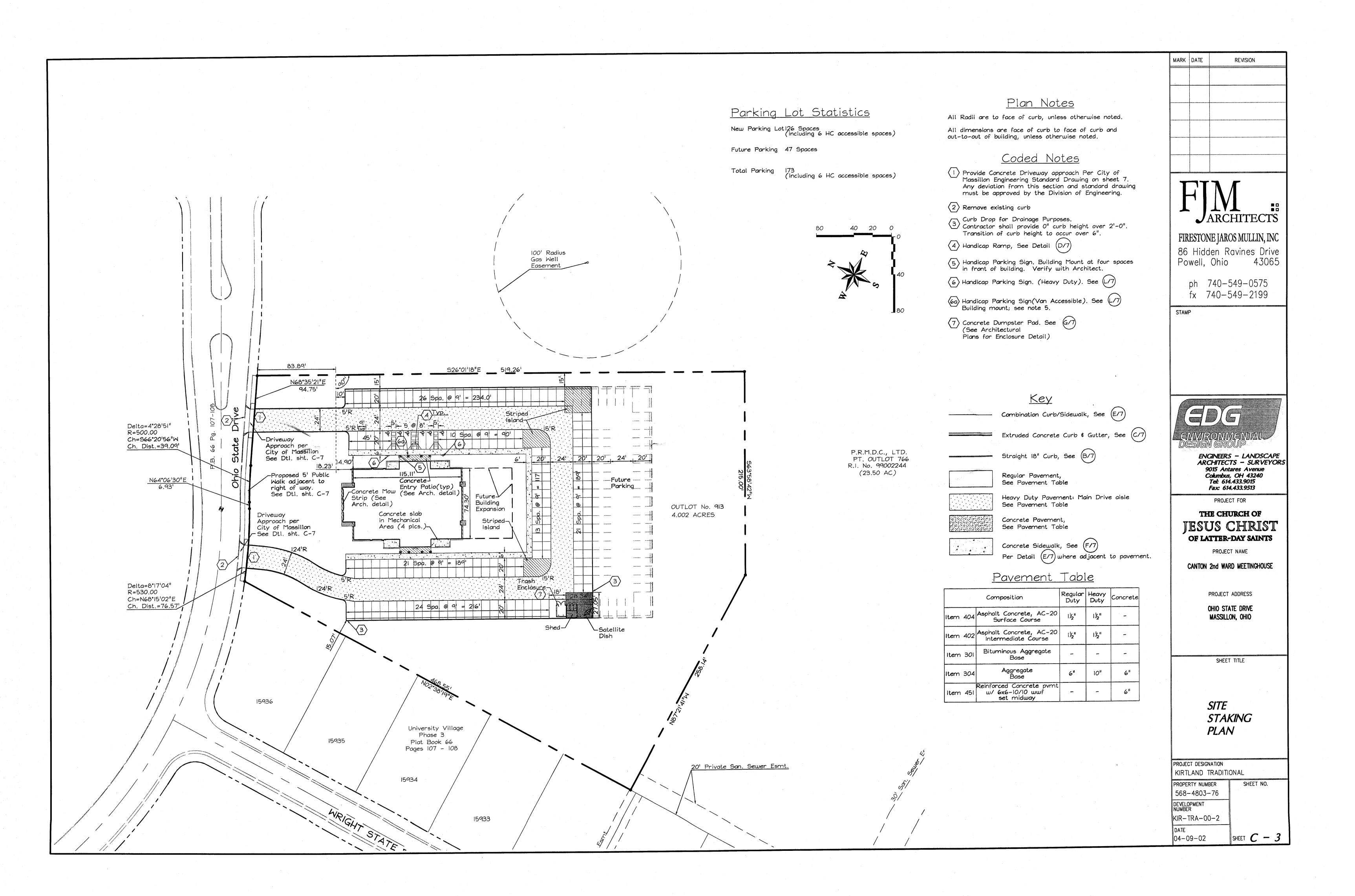
**COVER** SHEET

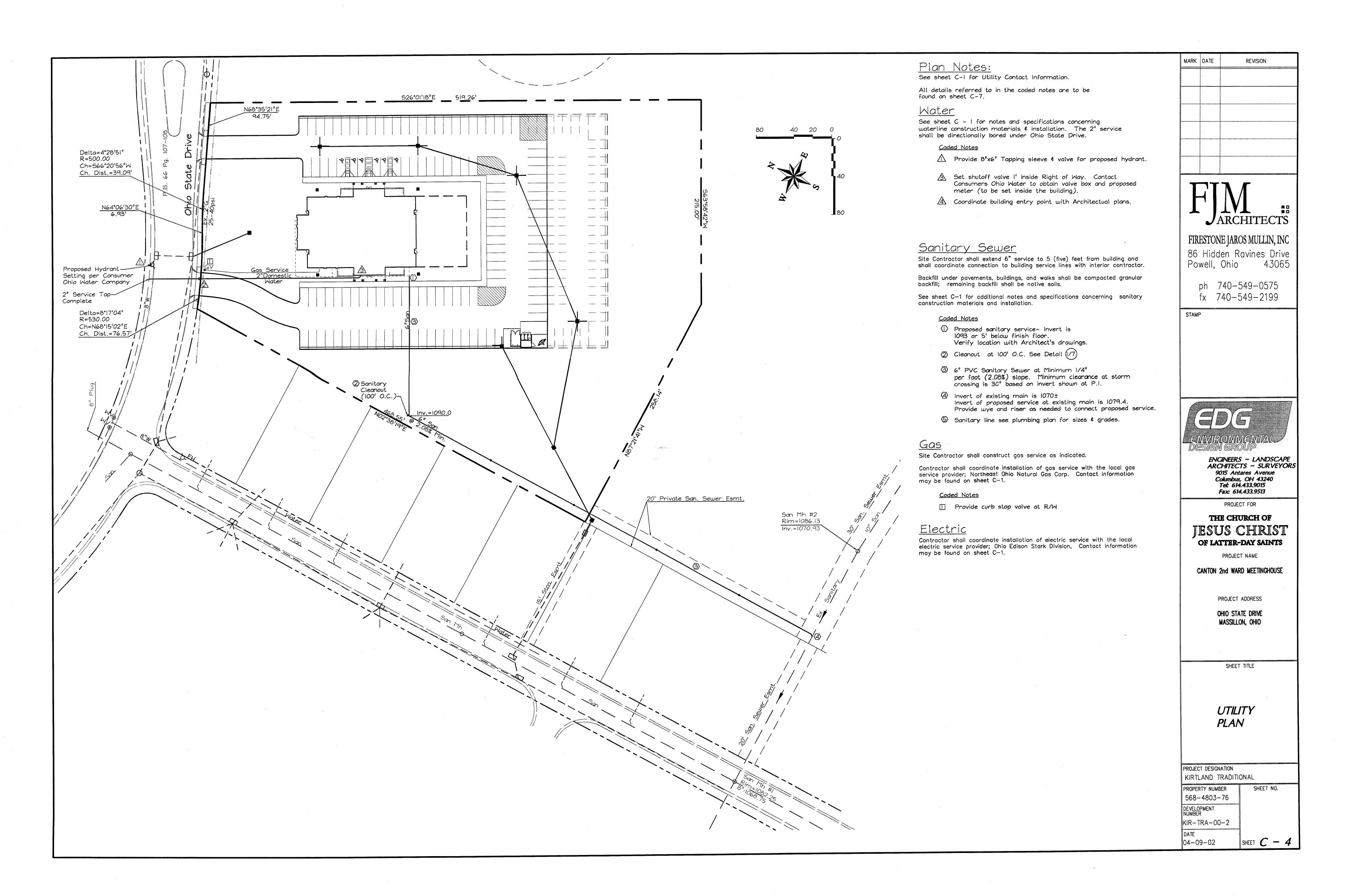
PROJECT DESIGNATION KIRTLAND TRADITIONAL PROPERTY NUMBER SHEET NO. 568-4803-76 KIR-TRA-00-2

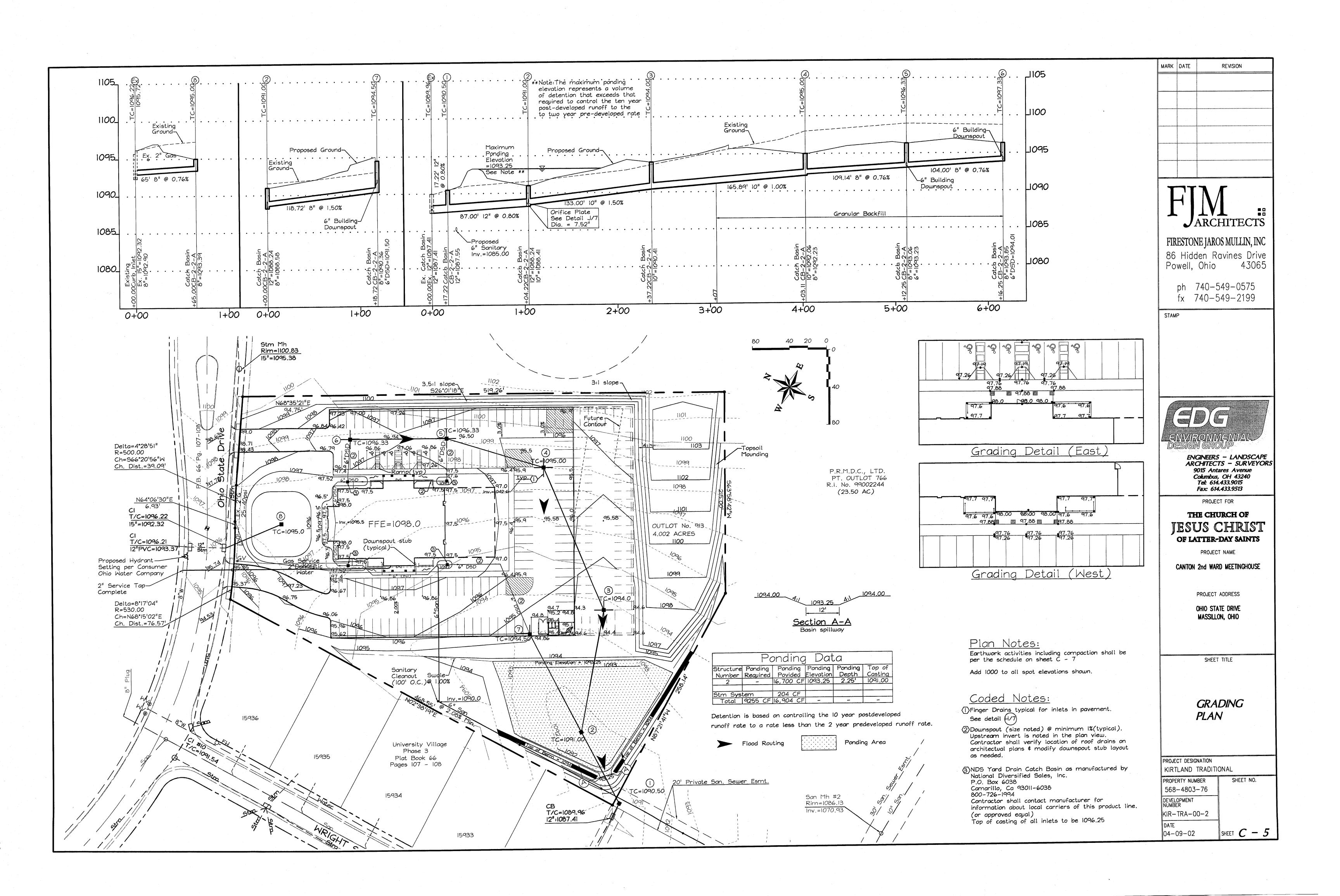
SHEET C-1

DEVELOPMENT NUMBER









## Filter Fabric Fence Notes

Silt Fence. This sediment barrier utilizes standard strength or extra strength synthetic filter fabrics. It is designed for situations in which only sheet or overland flows are expected.

The filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid the use of joints. When joints are necessary filter cloth shall be spliced together only of a support post with a minimum 6 inch overlaps and securely sealed.

Posts shall be spaced a maximum of 7'-8" O.C. at the barrier location and driven securely into the ground (minimum of 12 inches). When extra strength fabric is used without the wire support fence post spacing shall not exceed 6 feet.

A trench shall be excavated approximately 4 inches wide \$ 4 inches deep along the line of posts and upslope from the barrier.

When standard strength filter fabric is used a wire mesh support fence shall be fastened securely to the upslope side of the pasts using heavy duty wire staples at least I inch long, tie wires or hog rings. The wire mesh shall extend into the trench a minimum of 2 inches \$ shall not extend more than 36 inches above the original ground surface.

The Standard Strength Filter fabric shall be stapled or wired to the fence and 8 inches of the fabric shall be extended into the trench. The fabric shall not extend more than 36 inches above the original ground surface. Filter fabric shall not be stapled to existing trees.

When extra strength filter fabric and closer post spacing are used the wire mesh support fence may be eliminated. In such a case the filter fabric is stapled or wired directly to the posts.

The trench shall be backfilled and soil compacted over the filter fabric.

#### Maintenance

Should the fabric on a silt fence or filter barrier decompose or become ineffective prior to the end of the expected usable life and the barrier is still necessary the fabric shall be replace promptly.

Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier.

Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be dressed to conform with the existing grade prepared and seeded.

STABILIZATION OF DENUDED AREA. Denuded areas shall have soil stabilization applied within seven days if they are to remain dormant for more than forty-five days. Permanent or temporary soil stabilization shall be applied to denuded areas within seven days after final grade is reached on any portion of the site, and shall also be applied within seven days to denuded areas which may not be at final grade, but will remain dormant (undisturbed) for longer than forty-five days.

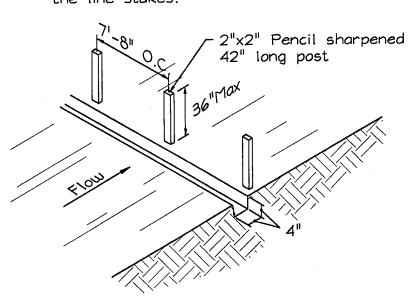
ESTABLISHMENT OF PERMANENT VEGETATION. A permanent vegetation shall not be considered established until ground cover is achieved which, in the opinion of the approving agency, provides adequate cover and is mature enough to control soil erosion satisfactorily and to survive adverse weather conditions.

	Specific	ations for	Seeding # 1	Mulching		
	Seed Type	Seeding Dates	Per 1000 Sq. Ft.	Per Acre		
	Tall Fescue \$ Annual Ryegrass		2 Pound \$ 1/2 Pounds	80 Pounds ¢ 20 Pounds		
	Small Grain Straw	March I to September 15	100 Pounds or 2 or 3 Bales	2 Tons or 50 Bales		
	Fertilizer		25 Pounds of 12-12-12 or the Equivalent	100 Pounds of 12-12-12 or the Equivalent		
Temporary Seeding						
	Rye or Wheat	September 15 to October 30	3 Pounds	2 Bushels		
	Soil Protection					
	Small Grain Straw, Mulch	October 30 to March I	2 to 3 Bales	2 Tons		

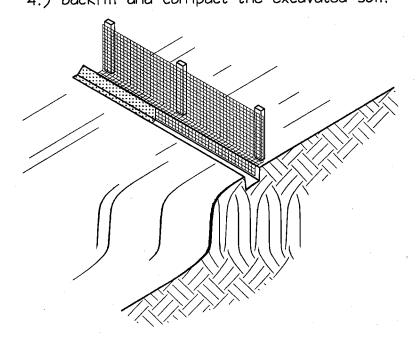
# Filter Fabric Fence Detail

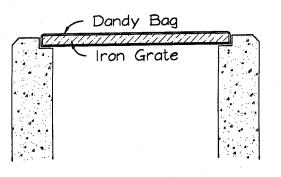
1.) Set the stakes.

2.) Excavate a 4"x4" trench upslope along the line stakes.



- 3.) Staple filter material to stakes and extend it into the trench.
- 4.) backfill and compact the excavated soil.

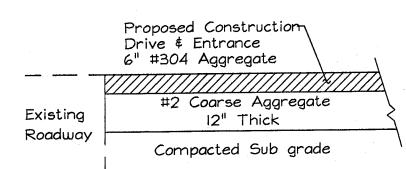




### Inlet Filter

Maintenance: Remove dried sediment from surface of unit as needed with stiff broom or square point shovel. Remove fine material from inside envelope as needed.

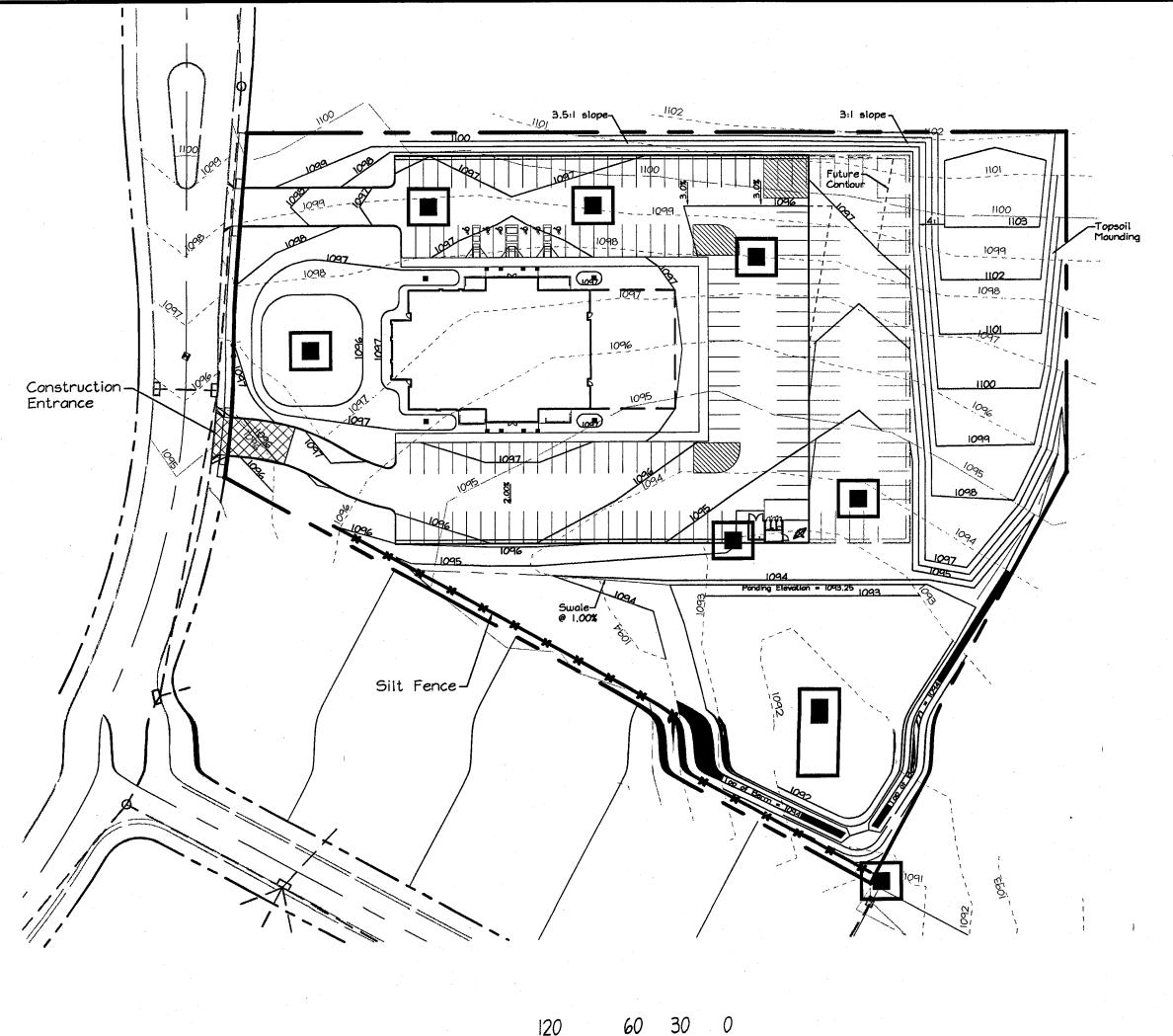
> Dandy Products Inc. 2011 Harrisburg Pike Grove City, Ohio 43123

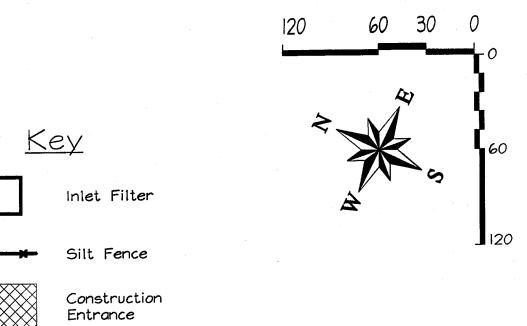


Stabilized Construction Entrance Typical Section

### Construction Entrance Detail

The Earthwork Contractor shall install and maintain the construction entrance and staging area.\* The Earthwork Contractor shall periodically add clean stone and maintain the gravel edges for the duration of the project. When the construction entrance and drive are no longer needed, the Earthwork Contractor shall remove the gravel and restore the ground to its original condition. \* (If used)





#### <u>Site Data</u>

Owner/Developer: The Church of Jesus Christ of the Latter Day Saints

Environmental Design Group

9015 Antares Avenue Columbus, Ohio 43240 Development Type: Worship Meeting House

4.00 Acre <u>Site Acreage:</u> Disturbed Acreage: 3.5 Acre Average Slope:

<u>Plan Designer:</u>

Site Ground Cover: Grass

Adjacent Areas: Vacant

Site Drains to:

Detention basin at Southwest corner of site

Existing offsite inlet located at Southwest corner.

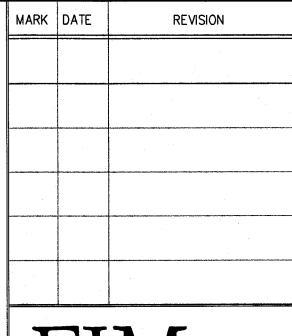
<u>Contact:</u>

<u>Storm Water</u>

<u>Management:</u>

Jerry Morriss Director for Temporal Affairs Phone: 770-493-7200 Fax: 770-934-1818

All erosion and sediment control practices are subject to field modifications at the discretion of the City of Massillon and/or the Ohio EPA.



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PROJECT FOR

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NAME

CANTON 2nd WARD MEETINGHOUSE

PROJECT ADDRESS

OHIO STATE DRIVE MASSILLON, OHIO

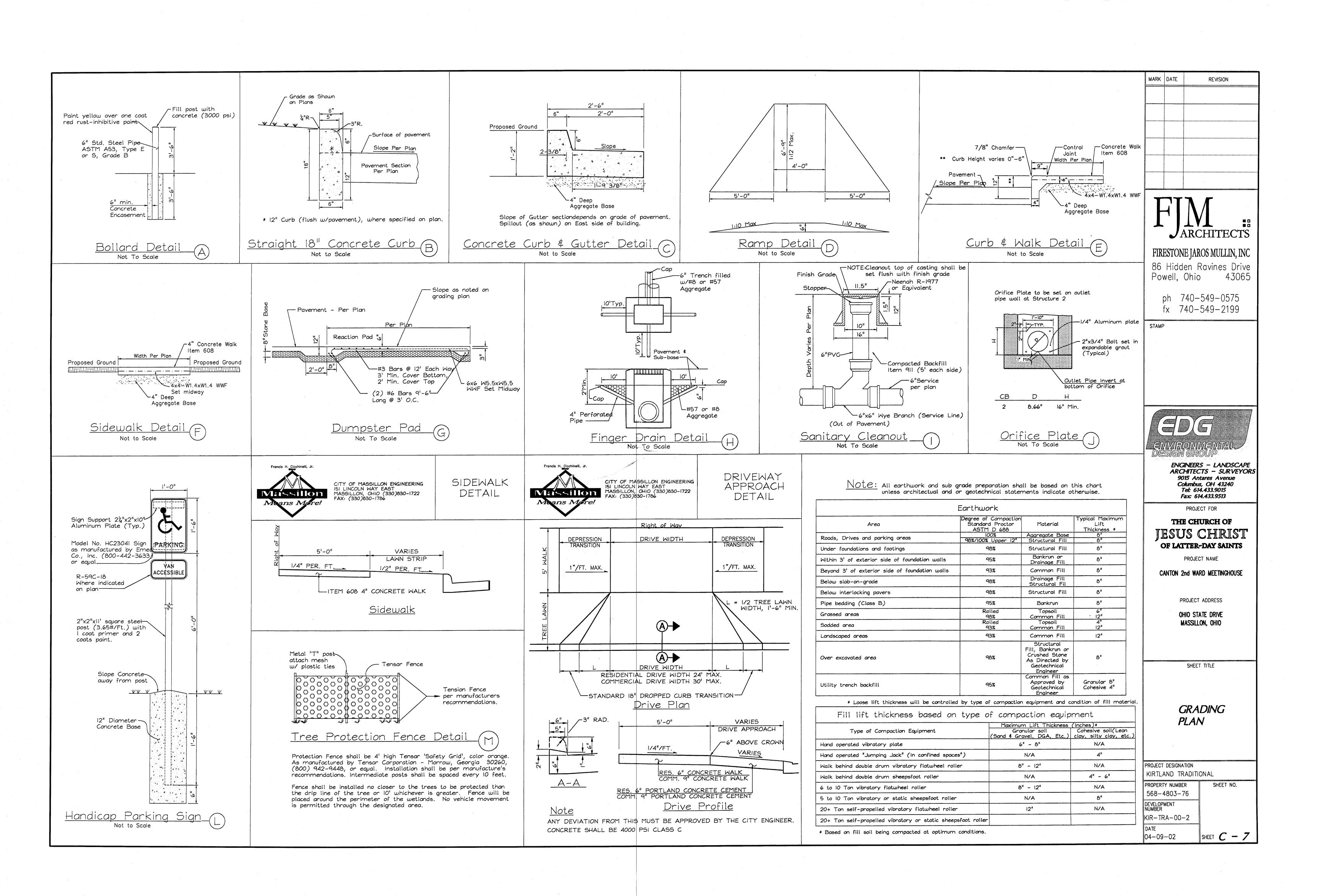
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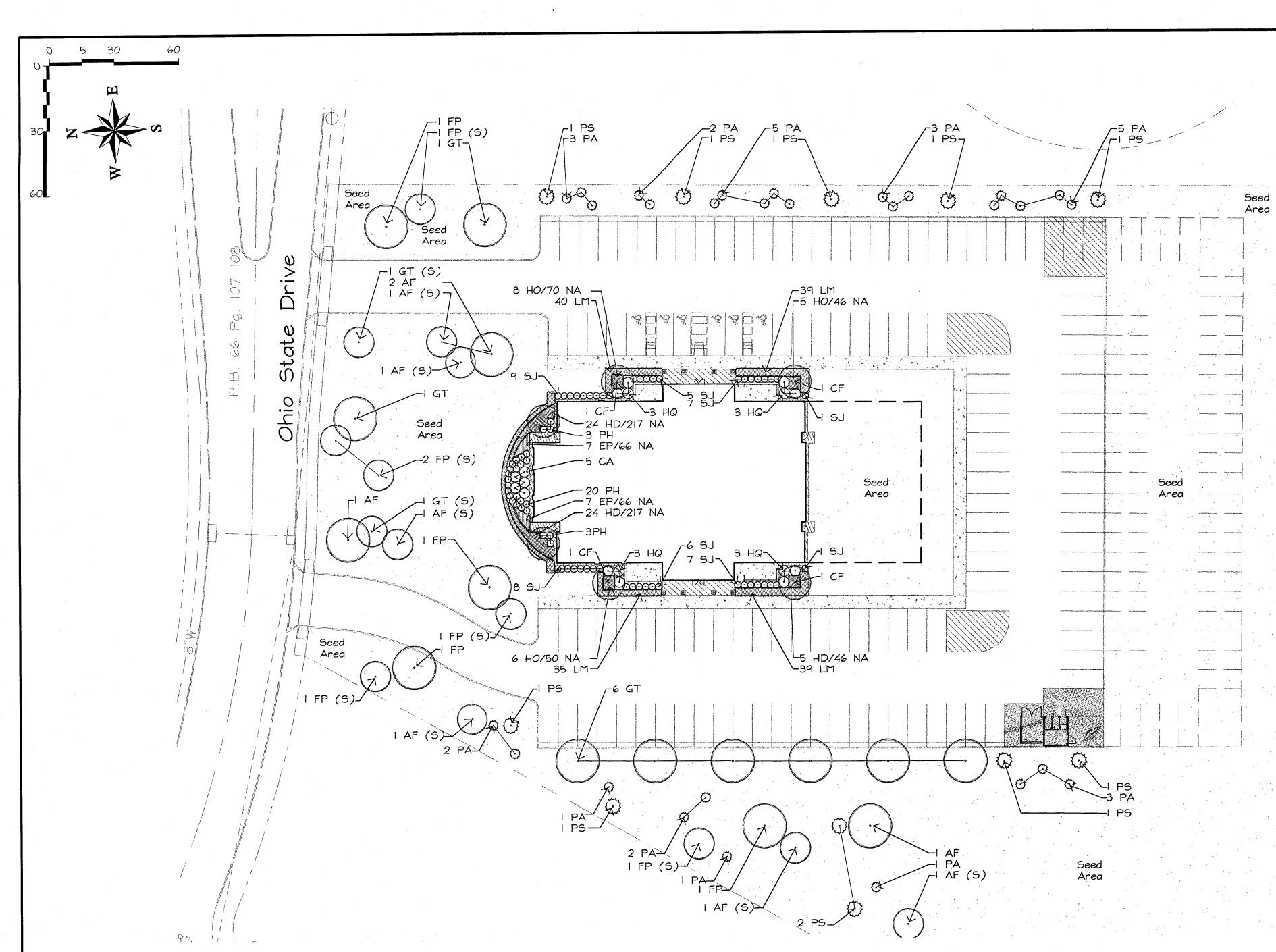
**EROSION** CONTROL PLAN

PROJECT DESIGNATION KIRTLAND TRADITIONAL SHEET NO. 568-4803-76 DEVELOPMENT NUMBER

KIR-TRA-00-2 04-09-02

SHEET C-6

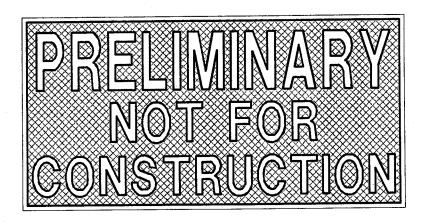




# PLANTING LIST

KEY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	CONDITION
TREES:					
AF	ACER X FREEMANII 'AUTUMN BLAZE'	AUTUMN BLAZE FREEMAN MAPLE	2 1/2" CAL.	AS SHOWN	B¢B
GT	GLEDITSIA TRIACANTHOS 'SKYLINE'	SKYLINE HONEYLOCUST	2 1/2" CAL.	AS SHOWN	B¢B
FP	FRAXINUS PENNSYLVANICA 'SUMMIT'	SUMMIT GREEN ASH	2 1/2" CAL.	AS SHOWN	B¢B
AF (S)	ACER X FREEMANII 'AUTUMN BLAZE'	AUTUMN BLAZE FREEMAN MAPLE	1 1/2" CAL.	AS SHOWN	B¢B
GT (5)	GLEDITSIA TRIACANTHOS 'SKYLINE'	SKYLINE HONEYLOCUST	1 1/2" CAL.	AS SHOWN	B¢B
FP (S)	FRAXINUS PENNSYLVANICA 'SUMMIT'	SUMMIT GREEN ASH	1 1/2" CAL.	AS SHOWN	B¢B
ORNAME	NTAL TREES:				
CF	CORNUS FLORIDA	FLOWERING DOGWOOD	1 1/2" CAL.	AS SHOWN	B¢B
CP	CRETAEGUS PHAENOPYRUM	WASHINGTON HAWTHORN	1 1/2" CAL.	AS SHOWN	B¢B
EVERGE	EEN TREES:				
PA	PICEA ABIES	NORWAY SPRUCE	6' HT.	AS SHOWN	B¢B
PS	PINUS STROBUS	EASTERN WHITE PINE	IO' HT.	AS SHOWN	B¢B

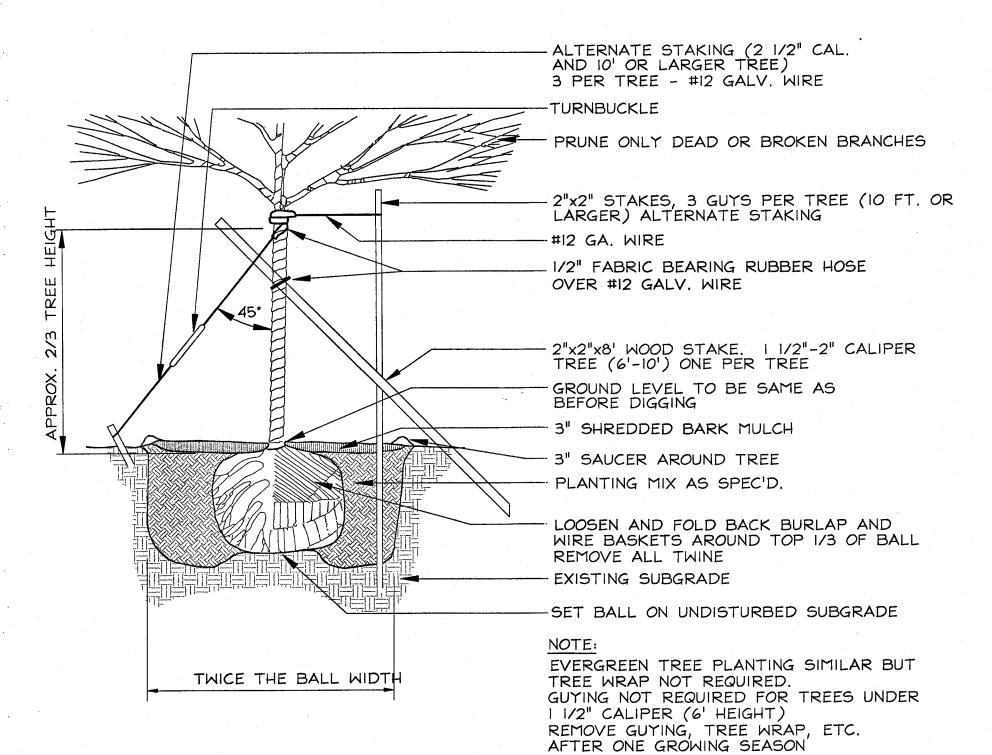
SHRUB	S:				
CA	CORNUS ALBA 'ARGENTEO-MARGINATA'	TATARIAN DOGWOOD	24" HT.	AS SHOWN	B\$B
HQ	HYDRANGEA QUERCIFOLIA	OAKLEAF HYDRANGEA	24" HT	AS SHOWN	B <b>\$</b> B
SJ	SPIRAEA JAPONICA 'SHIROBANA'	SHIROBANA SPIREA	18" HT	AS SHOWN	B¢B
PEREN	INIALS & GRASSES:				
НО	HOSTA 'FRANCEE'	PLANTAIN LILY	-	2 <sup>1</sup> O.C.	#2 CONT. CLUMP
HD	HEMEROCALLIS 'STELLA D'ORO'	STELLA D'ORO DAYLILY	<del>-</del>	2' O.C.	#2 CONT. CLUMP
EP	ECHINACEA PURPUREA	PURPLE CONEFLOWER	-	2' O.C.	#2 CONT. CLUMP
PH	PENNISETUM ALOPECUROIDES 'HAMELI	DWARF N'FOUNTAIN GRASS		AS SHOWN	#2 CONT. CLUMP
LM	LIRIOPE MUSCARI 'BIG BLUE'	BIG BLUE LILYTURF	-	18" O.C.	#2 CONT. CLUMP
NA	NARCISSUS 'KING ALFRED'	KING ALFRED DAFFO	DIL _	8" O.C.	

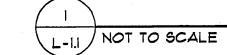


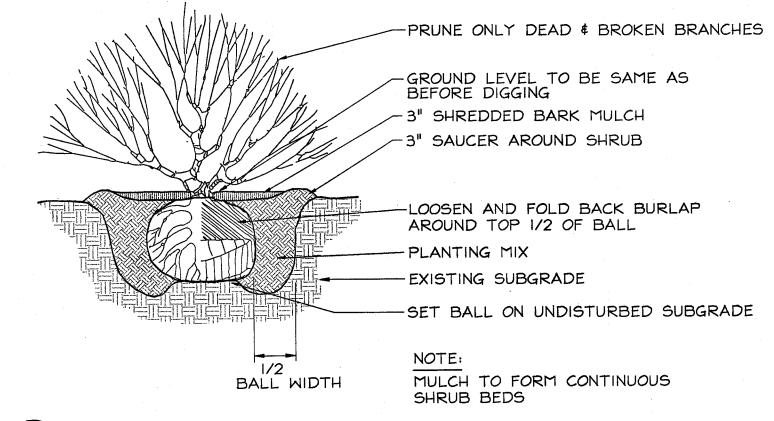
#### Landscape Notes

- I. MULCH TO FORM CONTINUOUS SHRUB BEDS ALL TREES & BEDS TO BE MULCHED TO A DEPTH OF 3" USING SHREDDED HARDWOOD BARK MULCH.
- 2. TREE AND SHRUB PLANTING MIX
- A. FOR BACKFILLING PERENNIAL PITS, UNIFORMLY MIX FOUR PARTS BY
- VOLUME OF TOPSOIL AND ONE PART OF PEAT HUMUS

  B. FOR BACKFILLING TREE AND SHRUB PITS THE MATERIAL TAKEN FROM THE PIT EXCAVATION SHOULD BE USED FOR BACKFILL TO WITHIN 6" OF THE SURFACE FOR TREES AND 18" OF THE SURFACE FOR SHRUBS AND PERENNIALS, PROVIDED IT IS ACCEPTABLE TO THE ARCHITECT. THE REMAINDER SHALL BE BACKFILLED WITH THE TOPSOIL/PEAT MIX.
- C. TOPSOIL SHALL BE CLEAN AND REASONABLY FREE FROM CLAY LUMPS, STONES AND SIMILAR SUBSTANCES WHICH MAY BE A HINDRANCE TO THE PLANTING OPERATION AND SUBSTANTIALLY THE SAME AS NATIVE TOPSOIL'S IN THE AREA.
- D. THE PH VALUE OF THE BACKFILL SHALL BE 6.0 TO 7.0 FOR DECIDUOUS PLANTS AND 4.5 TO 5.0 FOR EVERGREEN PLANTS. ADJUST THE PH BY ADDITION OF GROUND AGRICULTURAL LIMESTONE OR ALUMINUM SULFATE. E. FERTILIZE ACCORDING TO LOCALLY ACCEPTED PRACTICE.
- 3. SEED ALL DISTURBED LAWN AREAS WITH SPECIFIED SEED MIX UNLESS OTHERWISE NOTED.
- 4. ALL PLANT MATERIAL SHALL BE SOUND, HEALTHY LIVE PLANTS, CONFORMING TO THE STANDARDS OF THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.









MARK DATE REVISION

**J**ARCHITECTS

FIRESTONE JAROS MULLIN, INC 86 Hidden Ravines Drive 43065 Powell, Ohio

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STAMP



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PROJECT FOR

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NAME

CANTON 2nd WARD MEETINGHOUSE

PROJECT ADDRESS

OHIO STATE DRIVE MASSILLON, OHIO

SHEET TITLE

LANDSCAPE PLAN

PROJECT DESIGNATION KIRTLAND TRADITIONAL SHEET NO. PROPERTY NUMBER 568-4803-76 DEVELOPMENT NUMBER KIR-TRA-00-2

SHEET **C** - **8**