

Appendices

A. Design Documents

- Site Plan Application
- Village of Dexter Standard Notes
- Water Main Notes and Details
- Sanitary Sewer Notes and Details
- Storm Sewer Notes and Details
- Master Planned Right-of-Way Map
- Streetlights
- Driveway Details
- Waste Management Container Detail

B. Pre-Construction Documents

- Village of Dexter Right-of-Way Permit
- Inspection Fees Worksheet
- Pre-Construction Meeting Agenda

C. Closeout Documentation

- Grading Certificate
- Record Drawing Requirement Checklist
- Standards for Submitting Digital As-built Drawings
- Dedication of Public Streets and Utilities

D. Sample Easements and Agreements

- Water Main Easement
- Sanitary Sewer Easement
- Access Easement
- Maintenance and Guarantee Bond
- Agreement for Storm Water Detention and Discharge Restriction System

Appendix A:
Design Documents

Special Use Form – Page 2

		Plan Submitted	Requirement
8.	Floor Area Ratio %(7b/6)	_____	_____
9.	Total Paved Area (ft)	_____	_____
10.	Total Impervious Cov. (7a+9)/6	_____	_____
11.	Number of Parking Stalls	_____	_____
12.	Density (6/13)	_____	_____
13.	Number of Units (Residential)	_____	_____
14.	For Multi-Family:		
	Efficiency	_____	_____
	1 Bedroom	_____	_____
	2 Bedroom	_____	_____

Additional required information for Special Use Permit:

- 15. Statement describing the use proposed. This should include information about the hours of operation, number of employees and clients, type of programming or services, traffic expected to be generated, and any other pertinent information and/or site development characteristics.
- 16. All applications are presented to the Planning Commission at a public hearing for a recommendation prior to begin forwarded to the Village Council for final consideration. Therefore, all applications must be submitted four weeks prior to 1st Monday of month in order to ensure proper notice time and preparation time. Incomplete applications cannot be processed.

_____	_____	_____	_____
Owner's Signature	Date	Applicant's Signature	Date

Staff Review: Fee: _____ Date Received: _____ Receipt # _____

Planning Commission Review Date: _____ Council Review Date: _____

_____ Approved _____ Denied Reviewed by: _____

REASONS FOR DENIAL: _____

EXISTING NON-CONFORMITIES/VARIANCES GRANTED: _____

APPROVAL STAMP:

Village of Dexter Standard Notes

1. Notify the Village of Dexter and the Village Engineer a minimum of 72 hours prior to the start of construction.
2. All construction must conform to the current engineering standards and specifications adopted by the Village of Dexter.
3. No paving or excavation for paving shall be allowed until the sanitary sewers, water main storm sewers and/or country drain clean out construction has been approved by the Village.
4. Call MISS DIG (800-482-7171) a minimum of 72 hours prior to the start of construction.
5. All soil erosion and silt must be controlled and contained onsite prior to the start of construction.
6. All excavation under the influence of pavement, including sidewalks and driveways, existing or proposed, shall be backfilled and compacted with Class II sand to 95% of maximum unit weight.
7. The contractor is responsible for all damage to existing utilities.
8. The contractor is responsible for restoring all disturbed areas to the conditions that existed prior the start of construction.
9. Working hours (including running of any machinery) shall be restricted to Monday through Saturday, 7:00 am to 7:00 pm; or sunup to sundown; whichever is less.

Water Main Notes

1. All water system construction shall conform to the current standards and general specification of the Village of Dexter and any other agency having jurisdiction over the construction area.
2. All surface structures, such as hydrants, gate valves and valve boxes shall be set to grade as approved by the Village Engineer.
3. Water main shall be placed level through all gate wells.
4. Provide a minimum of 5.5 feet of cover below existing roadway centerline elevation or existing elevation at water main location, whichever is lowest.
5. When jacking and boring, all voids shall be filled by means of pressure grouting with 1:3 cement-sand mortar. This work must be accomplished within 24 hours of the water main being successfully tested. Water main jacking or boring shall extend a minimum of 10 feet beyond the edges of the pavement.
6. Fire hydrants shall be East Jordan Iron Works Model 5 BR, A-423 conforming to A.W.W.A. C-502 improved hydrant specification. All fire hydrants shall be equipped with a 4-inch Storz connection.
7. Gate valves for sizes 6-inch through 16-inch water main shall be iron body, fully bronze mounted, resilient wedge with non-rising stems opening counterclockwise with a 2-inch square operating nut. Valves shall conform to A.W.W.A. C-500 specification. Valves shall be designed for a working pressure of 200 P.S.I. and a test pressure of 400 P.S.I. Valves shall be ordered with inlet and outlet connections compatible to the water pipe joint used on the system.
8. Water service and water main pipe shall be:
 - a. 1-inch through 2-inch diameter service lines shall be domestic “k” copper.
 - b. 4-inch through 16-inch diameter water main shall be ductile iron A.N.S.I. A 21-55-65 Class 54.
9. Connection to existing water main shall be made only after hydrostatic and bacteriological tests have been successfully completed and approved by the Village Engineer or the Village of Dexter Utilities Department.
10. Compacted sand backfill consisting of M.D.O.T. Class II granular material compacted to 95% of maximum unit weight must be placed in all trenches within the 1:1 influence of the roadway, sidewalk, bikepath, etc.

11. A thrust block is only allowed with prior approval of Village Engineer. Otherwise, use the joint restraint schedule with bends.
12. Flushing shall include the use of a "Polly Pig" or approved equal equipment, to remove accumulated deposits as directed by the Village Engineer.
13. Polyethylene encasement shall be installed on all ductile iron water main and fittings. Polyethylene encasement shall meet the requirements specified in A.W.W.A. C105 (ANSI 21.5) latest revision, as directed by the Village Engineer.
14. All public water main shall contain tracer wire.

Sanitary Sewer Notes

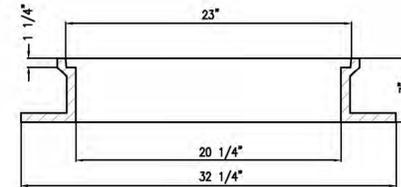
1. All sewer system construction shall conform to the current standards and general specifications of the Village of Dexter and the agency or agencies having jurisdiction over the construction area.
2. All manhole rims shall be set to grade as approved by the Village Engineer.
3. Risers on sanitary sewers shall be installed in locations where sewer is over 10 feet deep. Risers shall be installed to a depth of 10 feet below the finished ground elevation.
4. One sanitary sewer service lead shall be provided for each lot, at the center of the lot, along the route of the sanitary sewer unless otherwise specified. The sanitary sewer service lead shall extend a minimum of 2 feet beyond the utility easement or right-of-way (proposed or existing).
5. All manholes shall use eccentric cones placed toward the property line unless otherwise noted.
6. Infiltration for any section of sewers shall not exceed 200 gallons per inch diameter per mile of sewer per 24 hours.
7. No footing or roof drain shall be connected to the sanitary sewer.
8. Differential of excavation around existing manholes shall not exceed 6 feet.
9. No connection receiving storm water, surface water or ground water shall be made to sanitary sewers.
10. All sanitary sewers shall be subject to television inspection and air infiltration or exfiltration tests, or a combination of the same, prior to acceptance. All sewers over 24 inches in diameter shall be subjected to infiltration tests. All sewers 24 inches in diameter and smaller, where the ground water level is above the top of the pipe is over 2 feet shall be subjected to infiltration tests. All sewers 24 inches in diameter or smaller, where the ground water level is above the top of the pipe is 2 feet or less, shall be subjected to air tests or exfiltration tests.
11. All sewers shall be televised, with test results approved by the Village Engineer or the Village of Dexter Utilities Department prior to placing the sewer in service. Copies of the tape must be submitted to the Village of Dexter and will not be returned.
12. Mandrel testing shall take place to ensure the flexible pipe has been properly bedded and backfilled. The deflection test must be conducted no less than 30 days after installation of final backfill. The maximum allowed deflection is 5%. A nine-arm (point) mandrel shall be used.
13. All Sanitary sewer stubs shall have a water and airtight bulkhead with a marker designating the location of the stub.

Storm Sewer Notes

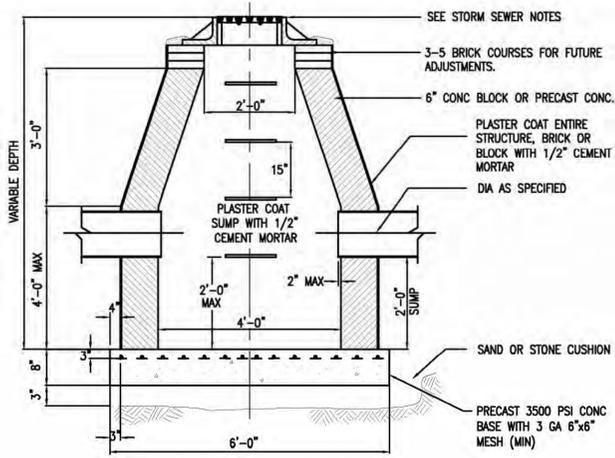
1. All casting rims shall be set to grade as furnished or approved by the Village Engineer.
2. All storm sewer pipes shall be C76-IV reinforced concrete pipe unless otherwise noted.
3. All catch basin leads shall be a minimum of 12" diameter C76-IV reinforced concrete pipe.
4. Catch basin and inlet frame covers shall be specified as follows:
 - a. When located in pavement edge gutter line, frame and cover shall be EJIW No. 5080 or equivalent.
 - b. When located in paved areas other than edge gutter line, frame shall be EJIW No. 1040 with type "M" cover or equivalent.
 - c. When located in yard areas, frames shall be EJIW No. 1040 with Type "N" cover or equivalent.
5. Manhole steps will be reinforced polypropylene plastic #PS-2-PFS or approved equal.
6. Rubber joints shall be used in locations where the hydraulic gradient is above the pipe and when storm sewer is located in an easement area.

STORM SEWER NOTES

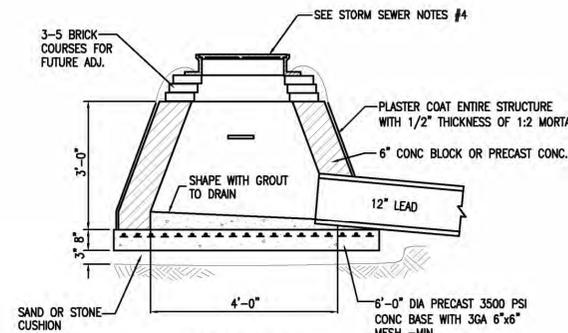
- ALL CASTING RIMS SHALL BE SET TO GRADE AS FURNISHED OR APPROVED BY THE VILLAGE ENGINEER.
- ALL STORM SEWER PIPE SHALL BE C76-IV REINFORCED CONCRETE PIPE UNLESS OTHERWISE APPROVED BY THE VILLAGE.
- ALL CATCH BASIN LEADS SHALL BE A MINIMUM OF 12" DIAMETER C76-IV REINFORCED CONCRETE UNLESS OTHERWISE APPROVED BY THE VILLAGE.
- CATCH BASIN AND INLET FRAME AND COVERS SHALL BE SPECIFIED AS FOLLOWS:
 - WHEN LOCATED IN PAVEMENT EDGE GUTTER LINE, FRAME AND COVER SHALL BE EJIW NO. 5080 OR EQUIVALENT.
 - WHEN LOCATED IN PAVED AREAS OTHER THAN EDGE GUTTER LINE, FRAME SHALL BE EJIW NO. 1040 WITH TYPE "M" COVER OR EQUIVALENT.
 - WHEN LOCATED IN YARD AREAS, FRAMES SHALL BE EJIW NO. 1040 WITH TYPE "N" COVER OR EQUIVALENT.
- MANHOLE STEPS WILL BE REINFORCED POLYPROPYLENE PLASTIC #PS-2-PFS OR APPROVED EQUAL.
- RUBBER JOINTS SHALL BE USED IN LOCATIONS WHERE THE HYDRAULIC GRADIENT IS ABOVE THE PIPE AND WHEN THE STORM SEWER IS LOCATED IN AN EASEMENT AREA.
- ALL DRAINAGE SYSTEM CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND GENERAL SPECIFICATIONS OF THE VILLAGE OF DEXTER (ADOPTED XX/XX/2011) AND THE AGENCY OR AGENCIES HAVING JURISDICTION OVER THE CONSTRUCTION AREA.



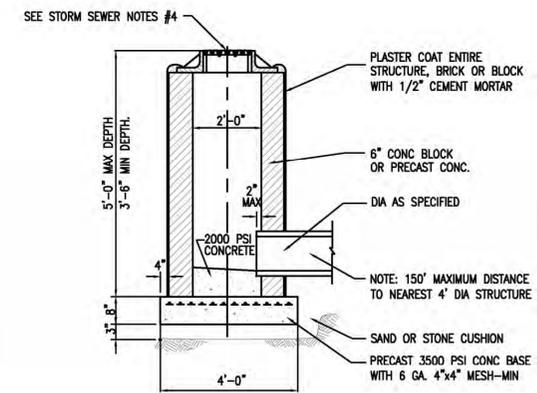
**STANDARD FRAME
SERIES 1000 & 3000**



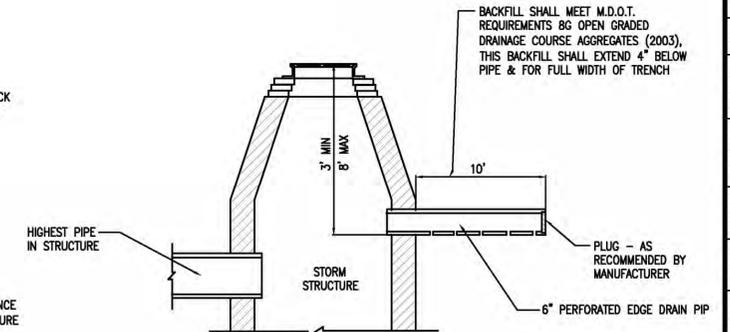
STANDARD CATCH BASIN



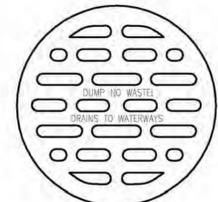
YARD BASIN



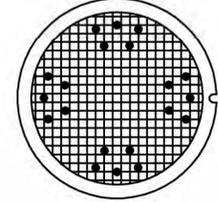
STANDARD INLET



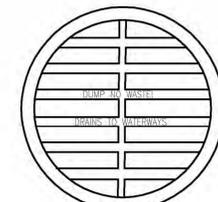
STANDARD UNDERDRAIN



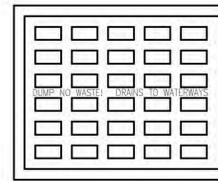
**TYPE M
COVER
EJIW 1040**



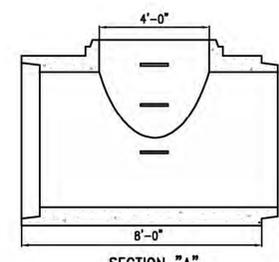
**TYPE B
COVER
EJIW 1040**



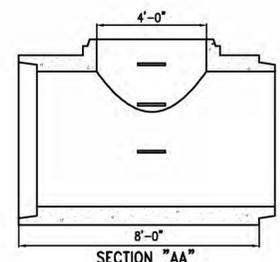
**TYPE N
COVER
BEEHIVE
EJIW 1040**



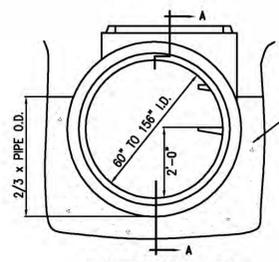
**TYPE MI
COVER (TOP VIEW)**



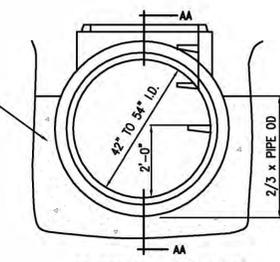
SECTION "A"



SECTION "AA"

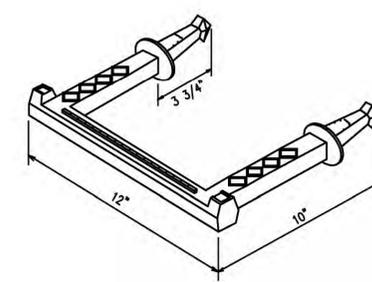


OFFSET MANHOLE TEE

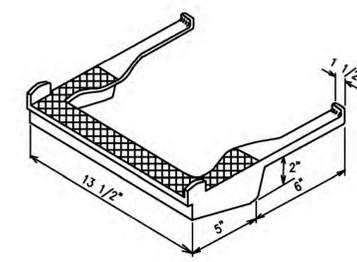


CENTERED MANHOLE TEE

**STANDARD MANHOLE
TEES**



**MANHOLE STEP
M.A. PSI-375**



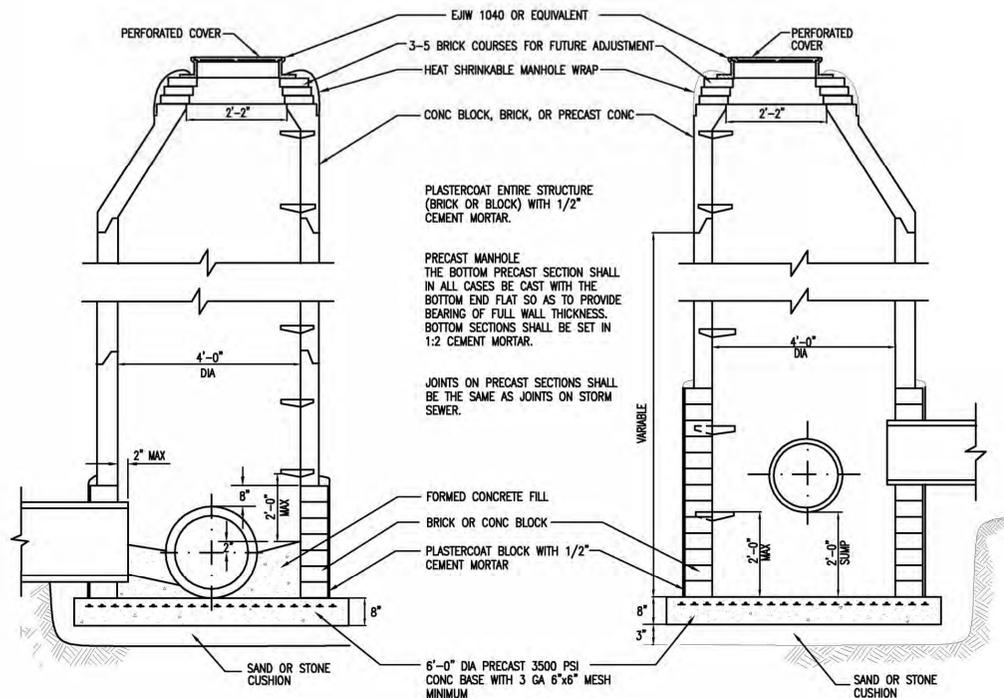
**STANDARD MANHOLE STEP
EJIW 8502**

MH STEP SPACING:
CONC BLOCK MH 18" CENTERS
BRICK MH 15" CENTERS
PRECAST MH 18" CENTERS
TOP STEP TO BE 21" BELOW TOP OF FRAME

MIN CONE HEIGHTS:
BRICK CONCENTRIC 3'-0"
BLOCK CONCENTRIC 3'-0"
PRECAST ECCENTRIC 2'-8" OR 3'-4"

CONC BLOCK MANHOLE:
APPROVED CONC BLOCK
USE 6" OR 8" THICK BLOCK TO 16" DEPTH
USE 12" THICK BLOCK TO 24" DEPTH
16" BLOCK WALL BELOW 24" DEPTH

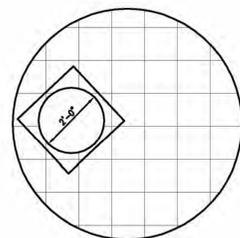
PRECAST MANHOLE:
C-478-72 UP TO 32" DEPTH
WITH 5" THICK WALL



**DETAIL FOR SEWERS
21" AND LARGER**

**STANDARD STORM
MANHOLES**

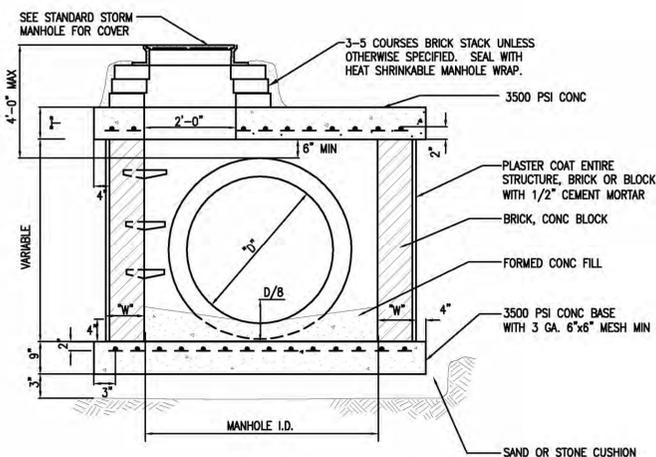
**DETAIL FOR SEWERS
18" AND SMALLER**



TOP SLAB

OUTLET "D"	MH I.D.	TOP SLAB **	WALLS "W"	REINF. STEEL *
** 24" OR LESS	4'-0"	9"	8"	#5 @ 9" EA. WAY
30"	4'-0"	9"	8"	#5 @ 9" EA. WAY
36"	4'-0"	9"	12"	#6 @ 9" EA. WAY
42"	5'-0"	10"	12"	#6 @ 9" EA. WAY
48"	6'-0"	11"	12"	#7 @ 9" EA. WAY
54"	6'-0"	11"	12"	#7 @ 9" EA. WAY

* TOP SLAB
** 2' SUMP REQ. FOR MANHOLE WITH
OUTLETS OF 18" AND UNDER.



**TYPICAL SECTION
MANHOLE "D"**

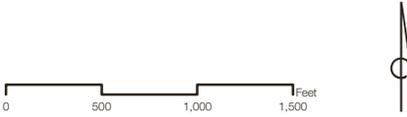
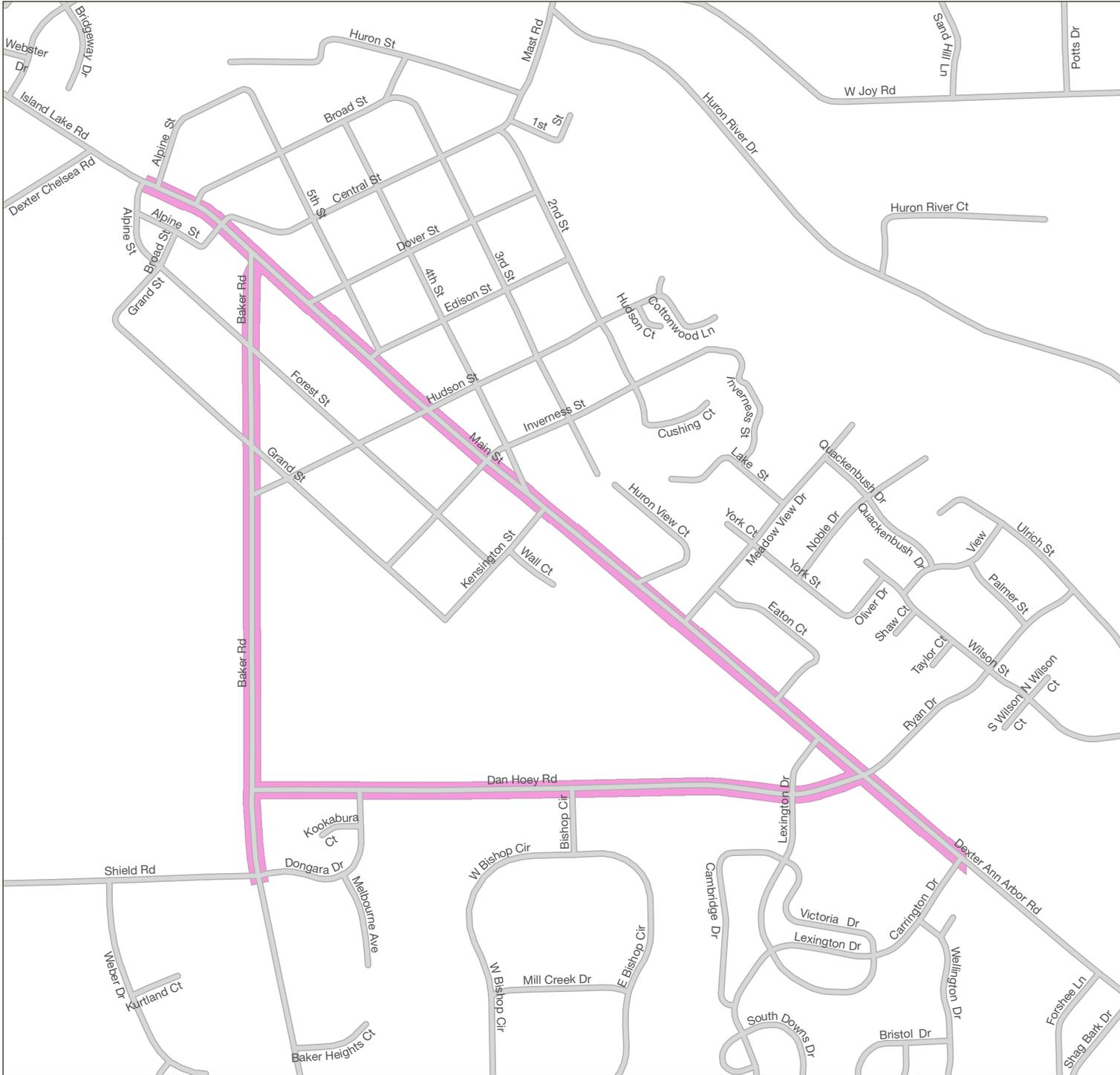
NOTE:
SHOP DRAWINGS SHALL
BE PROVIDED FOR
ALL MANHOLE TEES.

DATE	02/14/08	CADD	J/K/K/C	ENGINEER		PROJ/MGR		SECTION		TOWN		RANGE		COUNTY	WASHTENAW COUNTY	CITY/VILLAGE/TOWNSHIP	VILLAGE OF DEXTER	SCALE	V: NTS	H: NTS	JOB#		REVISIONS		DATE	
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MASTER PLANNED 120-ft RIGHT-OF-WAY

Baker, Dan Hoey, Dexter-Ann Arbor, and Main St

Village of Dexter



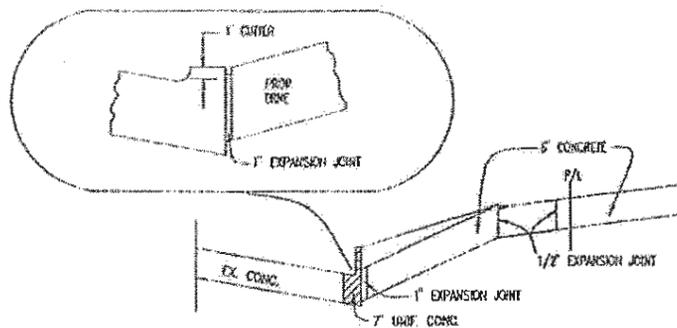
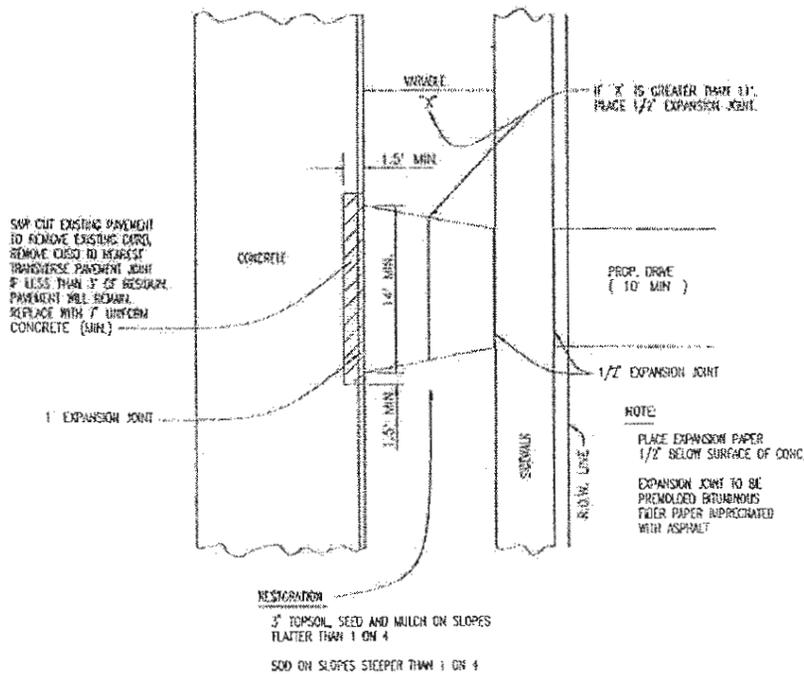
Source: Data provided by Washtenaw County. Orchard, Hiltz and McCliment does not warrant the accuracy of the data and/or the map. This document is intended to depict the approximate spatial location of the mapped features within the Community and all use is strictly at the user's own risk.

Coordinate System: Michigan South NAD 1983 State Plane International Feet

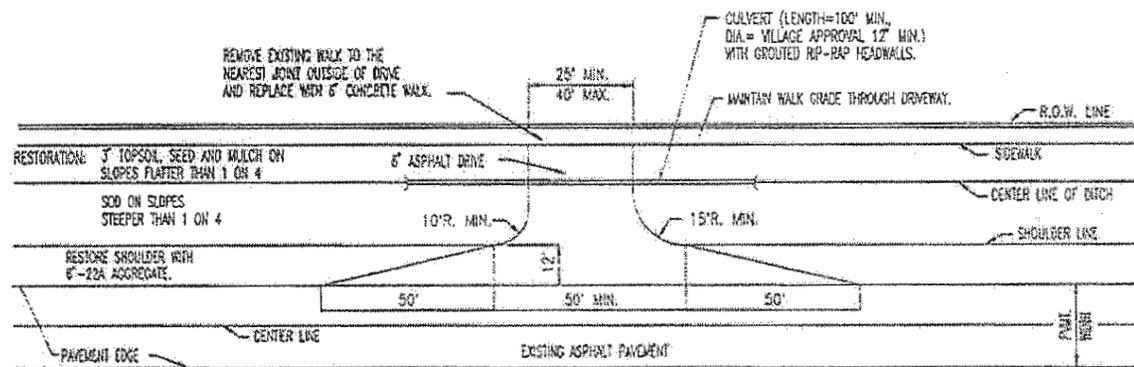
Map Published: November 3, 2011



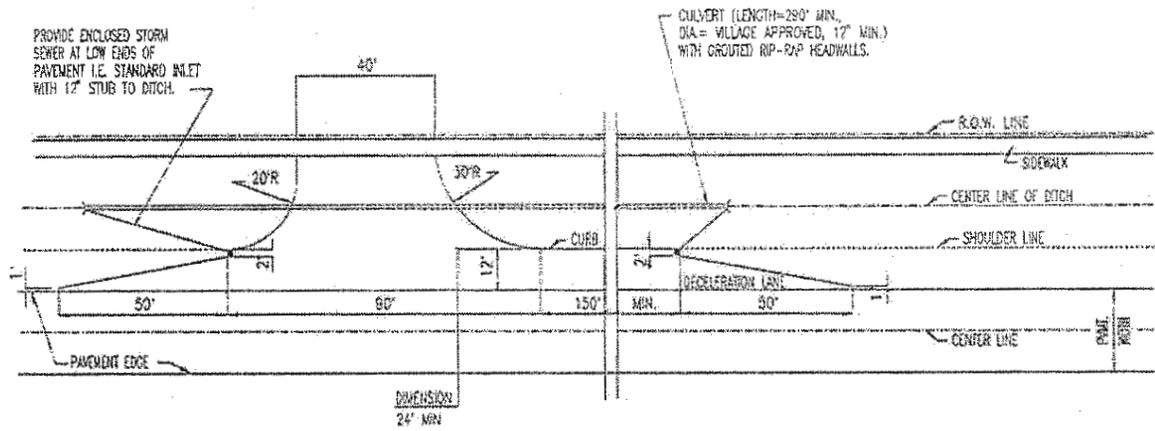
888.522.6711 | ohm-advisors.com



RESIDENTIAL DRIVEWAY
 CURBED PAVEMENT

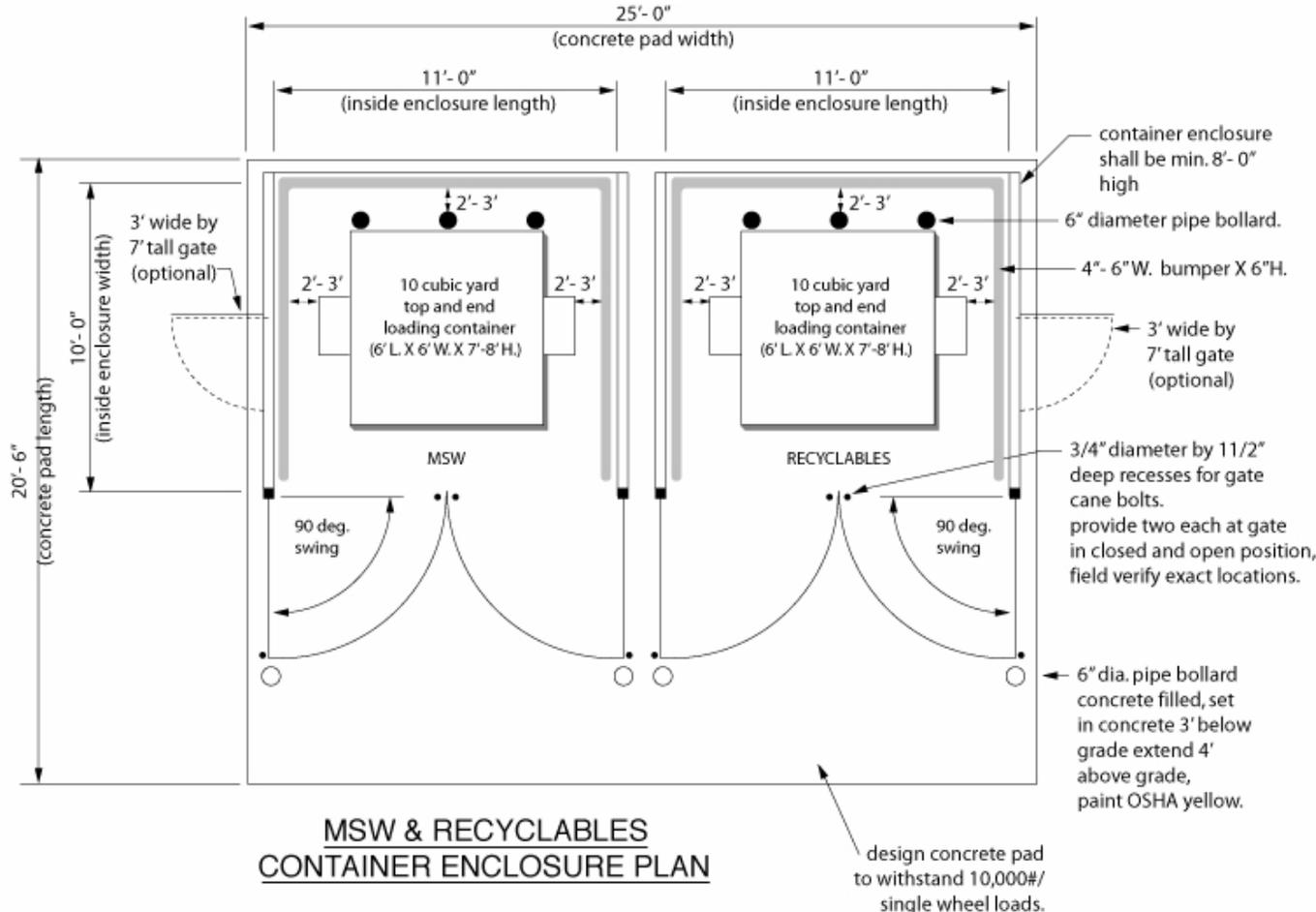


COMMERCIAL ASPHALT DRIVEWAY
(TWO-WAY)
UNCURBED PAVEMENT



MAJOR COMMERCIAL,
 INDUSTRIAL & APARTMENT DRIVEWAY
 (TWO-WAY)
 UNCURBED PAVEMENT

Container Enclosure Illustration

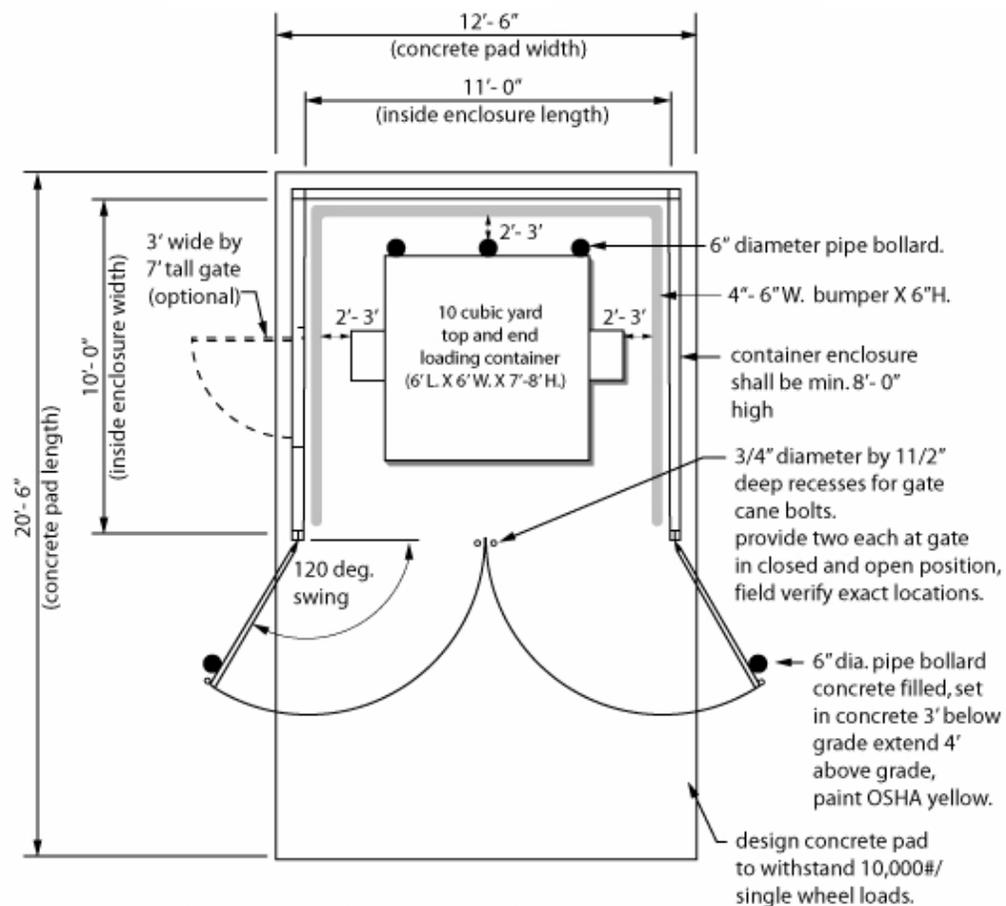


**MSW & RECYCLABLES
CONTAINER ENCLOSURE PLAN**

Additional container clearance may be required to access the power disconnect.

This Container Enclosure Plan is for illustrative purposes only and may not conform to your local zoning or permitting requirements. When designing a waste enclosure for your facility, please check with your local county or municipal authorities for all ordinances and regulations governing such structures.

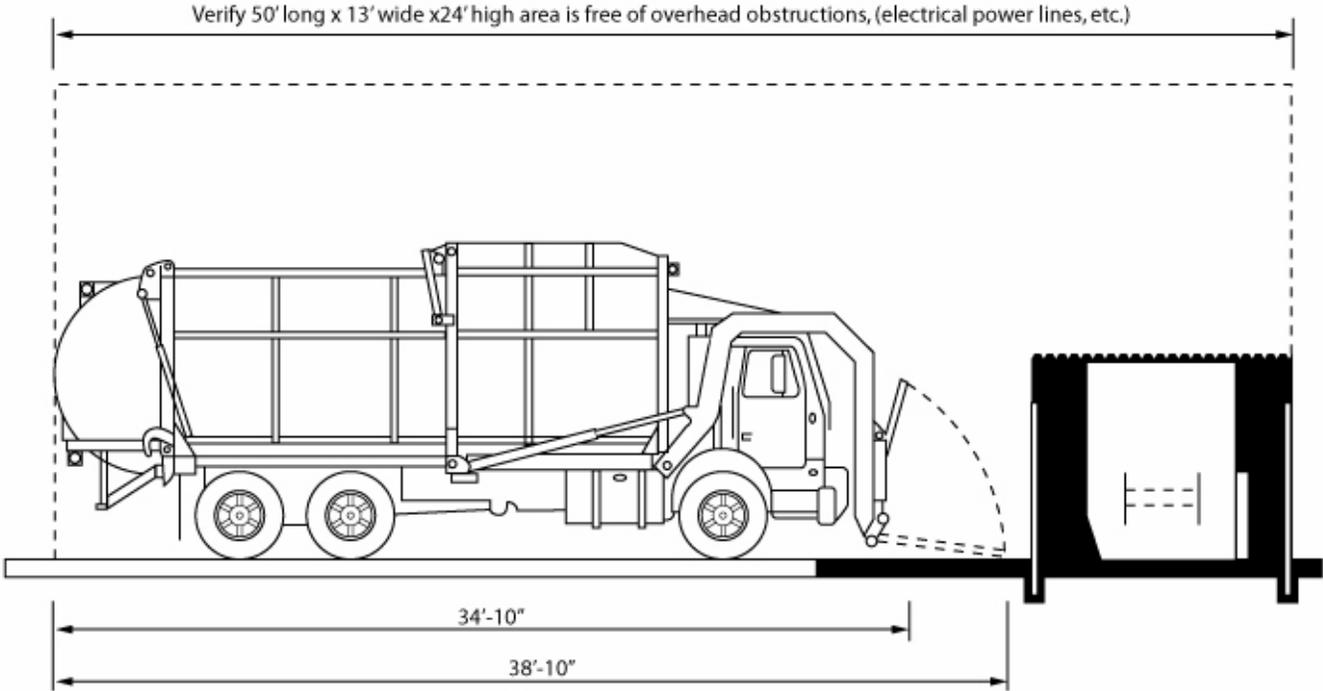
Container Enclosure Illustration



CONTAINER ENCLOSURE PLAN

This Container Enclosure Plan is for illustrative purposes only and may not conform to your local zoning or permitting requirements. When designing a waste enclosure for your facility, please check with your local county or municipal authorities for all ordinances and regulations governing such structures.

Container Enclosure Illustration



SIDE VIEW

NOTE: Vehicle shown is a standard 40 cu. yd. front end loading collection truck. Actual Dimensions will differ based on truck Manufacturer



The classic elegance of acorn street lamps adorned metropolitan avenues, residential streets, and plazas during the early 20th Century. The GranVille series captures the essence of this bygone era while incorporating the most advanced technology available today.

Features of GranVille® Series:

- Pedestrian-scale
- Permanent, durable borosilicate glass
- Prismatic light control
- Four lighting distributions
- Lunar Optics™ option (IESNA Cutoff)
- Five decorative housing choices
- Decorative trim variety

Features of Cast Aluminum Posts

- Cast Aluminum is cost effective.
- Cast aluminum is lighter weight for easier installation.
- Cast Aluminum can produce finer casting detail.

Catalog Number Z NY 12 F417 CA DG GV 100HP 12 L N 3 N C U	
Notes	Type

SPECIFICATIONS

POST

North Yorkshire Series Cast Aluminum Post 17" Dia. Base, Extruded Shaft

- 12'-0" post height
- #Z NY 12 F417 CA DG

ARM

None.

LUMINAIRE

GranVille® Series

- mounts to 3T3 tenon
- #GV 100HP 12 L N 3 N C U

ACCESSORIES

None.

INSTALLATION

A door shall be provided in the base for anchorage and/or wiring access.

- 12.00"Ø bolt circle.
- 0.75" x 18" L-type, hot-dip galvanized anchor bolts. 55000 psi.

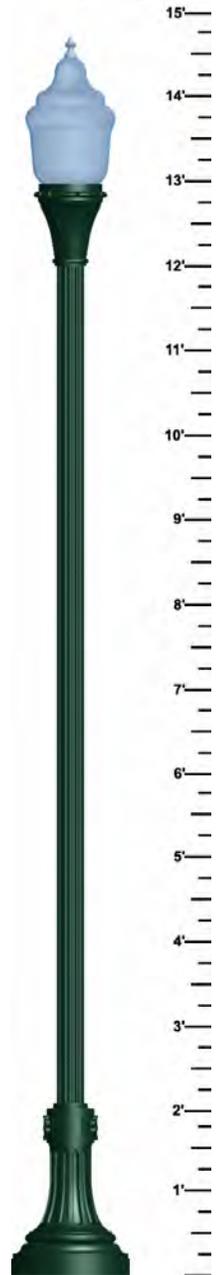
FINISH

All metal parts are finished with a Dark Green polyester powder coat

- #N

**GRANVILLE® LUMINAIRE
NORTH YORKSHIRE**

Cast Aluminum Lighting Post

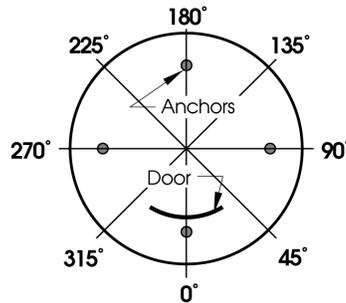


Dimensions

- Overall Street Lamp Height: 15'-8"

Anchorage/Orientation Plan

Street Side



Wind Loads

Windloading for this post and accessories has been checked for the 70 mph winds where the post will be installed and has passed.

Customer Approval:

Job Name: **Favorites**

Client Name: _____

signature

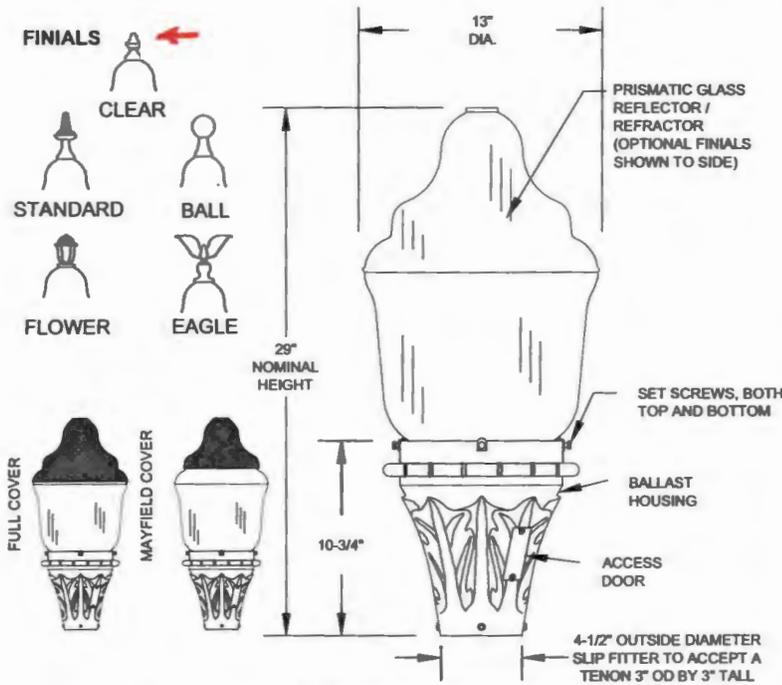
date

Created By: Thomas Balog

Date: 17-Jul-07

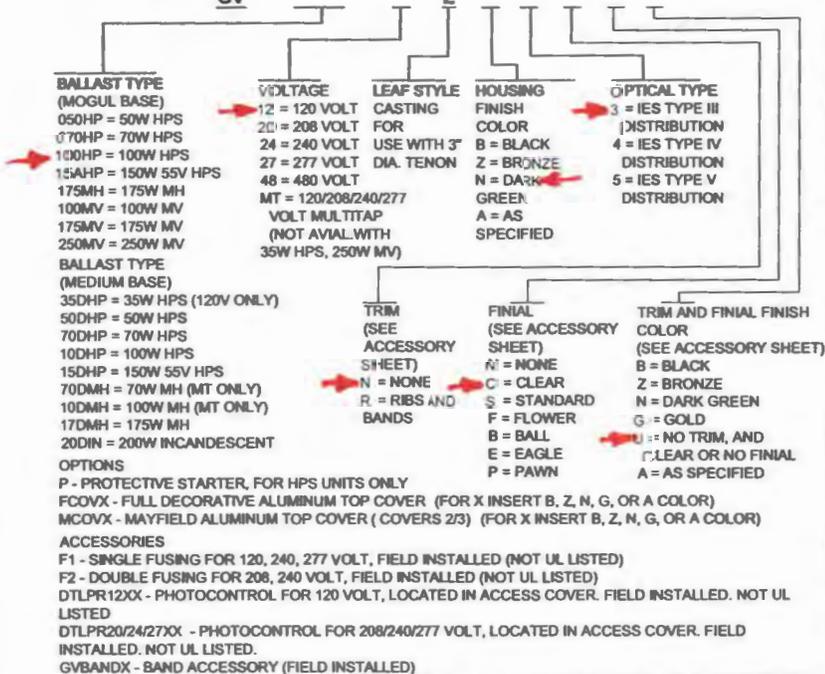
GRANVILLE[®] SERIES LUMINAIRE LEAF STYLE CASTING

MAXIMUM WEIGHT - 47 lbs.
MAXIMUM EFFECTIVE PROJECTED AREA - 1.26 sq. ft.



ORDERING INFORMATION

EXAMPLE: **GV 050HP 12 L B 3 N N U**



Specifications

GENERAL DESCRIPTION

The luminaire consists of three main components, a ballast housing, a reflector with socket, and a prismatic glass optical assembly.

OPTICAL ASSEMBLY

The optical assembly is a precisely molded thermal resistant borosilicate glass reflector and refractor with or without decorative finial. The upper portion of this system incorporates a series of reflecting prisms that redirect over 50% of the upward light in to the controlling refractor while allowing a soft uplight component to define the traditional acorn shape of the luminaire. Two decorative aluminum top covers are available. The lower portion uses precisely molded refracting prisms to control the distribution of light to maximize utilization, uniformity, and luminaire spacing. Three unique optical assemblies are available, designed for IES type III, IV, and V lighting distributions.

BALLAST HOUSING

The ballast housing contains the ballast and other electrical components. The housing is cast of aluminum alloy with a raised oak leaf pattern and is designed to flow gracefully from a 4" - 5" diameter decorative post. The slipfitter will accept a 3" high, 2-7/8" to 3-1/8" O.D. tenon and is secured by four hex head 1/4-20 set screws. Four uniquely designed stainless steel spring clips enclosed in a clear polyvinyl chloride sleeve and adjusted by hex head 1/4-20 bolts securely cradle the optical assembly.

BALLAST

(Refer to Ballast Data Sheet for specific operating characteristics)
 35 - 100 watt 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor Reactor type. All other HPS ballasts are High Power Factor Autotransformer type.
 175 watt Metal Halide (MH) ballasts are Peak Lead Autotransformer type. 70 and 100 watt MH units are available only with (120V, 208V, 240V, 277V) multitap High Power Factor High Reactance type ballast.
 All Mercury Vapor (MV) ballasts are High Power Factor Constant Wattage Autotransformer (CWA) type.

REFLECTOR / SOCKET ASSEMBLY

The reflector/socket assembly is designed to position the specified light source at the light center of the refractor.

INSTALLATION

Refer to the instruction manual provided with each luminaire as to the specific method of wiring and mounting the luminaire.

FINISH

The housing is finished with polyester powder paint applied after a seven stage pretreatment process to insure maximum durability.

UL LISTING

The luminaire is UL listed as suitable for wet locations at a maximum 40 degree C ambient temperature.

ARCHITECTURAL OUTDOOR ORDER #:

TYPE:

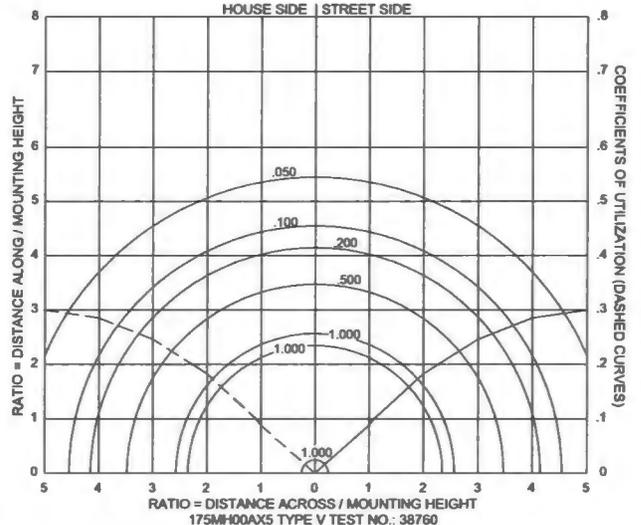
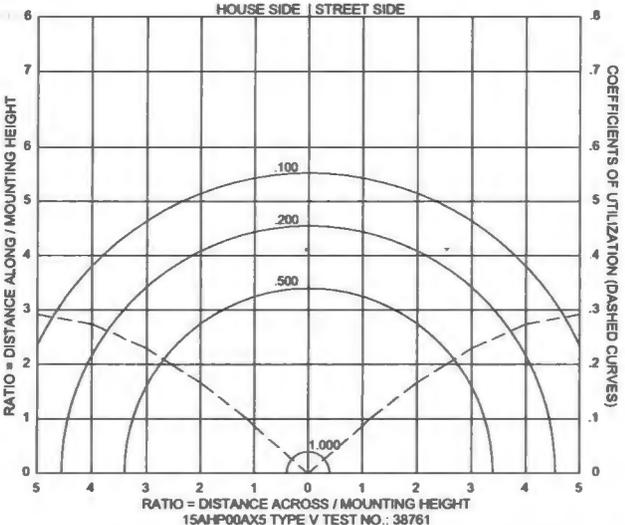
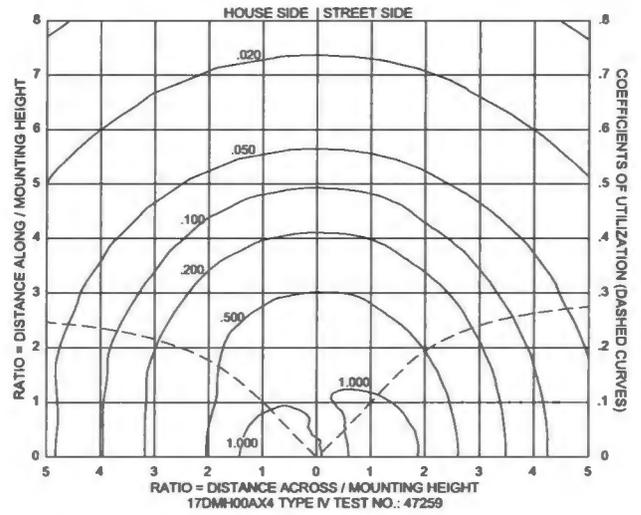
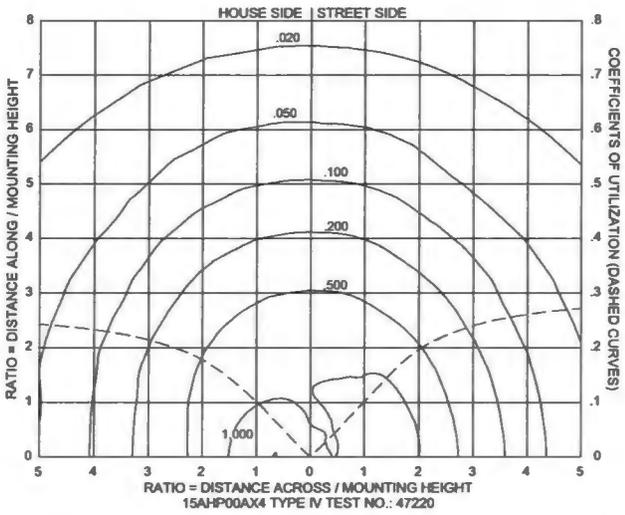
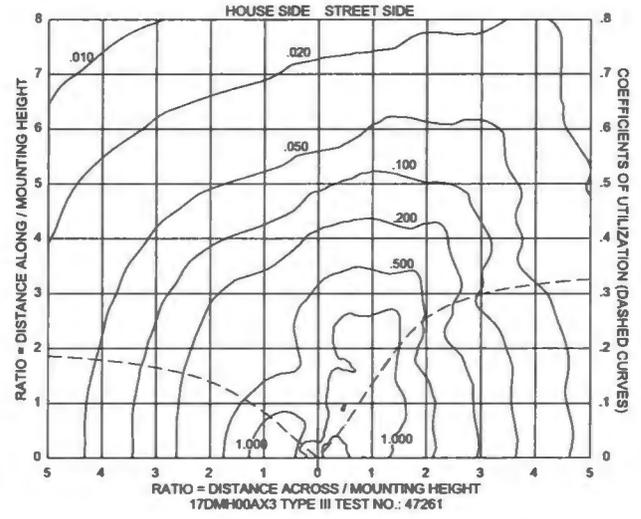
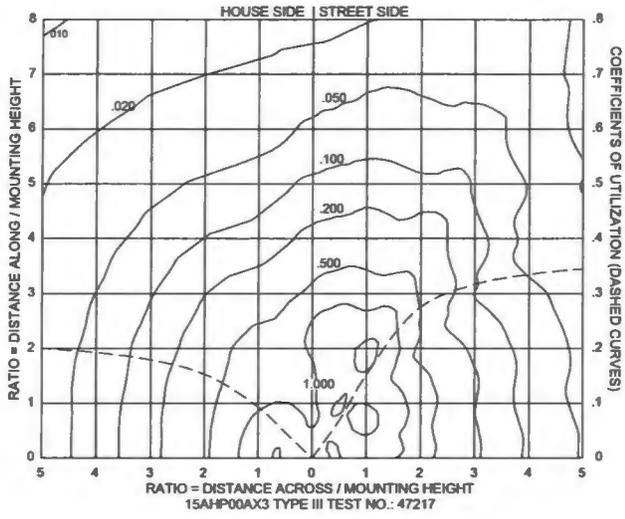
DRAWING NO: US-2514

THIS DRAWING, WHEN APPROVED, SHALL BECOME THE COMPLETE SPECIFICATION FOR THE MATERIAL TO BE FURNISHED BY HOLOPHANE ON THE ORDER NOTED ABOVE. A UNIT OF SIMILAR DESIGN MAY BE SUPPLIED, BUT ONLY AFTER APPROVAL BY THE CUSTOMER IN WRITING. ON POLE ORDERS AN ANCHOR BOLT TEMPLATE PRINT WILL BE SUPPLIED WITH EACH ANCHOR BOLT ORDER TO MATCH THE POLE PROVIDED.

THIS PRINT IS THE PROPERTY OF HOLOPHANE AND IS LOANED SUBJECT TO RETURN UPON DEMAND AND UPON EXPRESS CONDITION THAT IT WILL NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO OUR INTERESTS, AND ONLY IN CONNECTION WITH MATERIAL FURNISHED BY HOLOPHANE.

HOLOPHANE
 LEADER IN LIGHTING SOLUTIONS
 An **Acuity Brands Company**
 214 OAKWOOD AVENUE - NEWARK, OHIO 43055

SCALE: N/A
 DRAWN: RAF
 APP'D:
 DATE: 05-01-03




HOLOPHANE
 LEADER IN LIGHTING SOLUTIONS
 An Acuity Brands Company
 214 OAKWOOD AVENUE - NEWARK, OHIO 43055

**TYPICAL PHOTOMETRIC DATA
 (ISOFOOTCANDLE CHARTS AND
 COEFFICIENT OF UTILIZATION
 CURVES)**

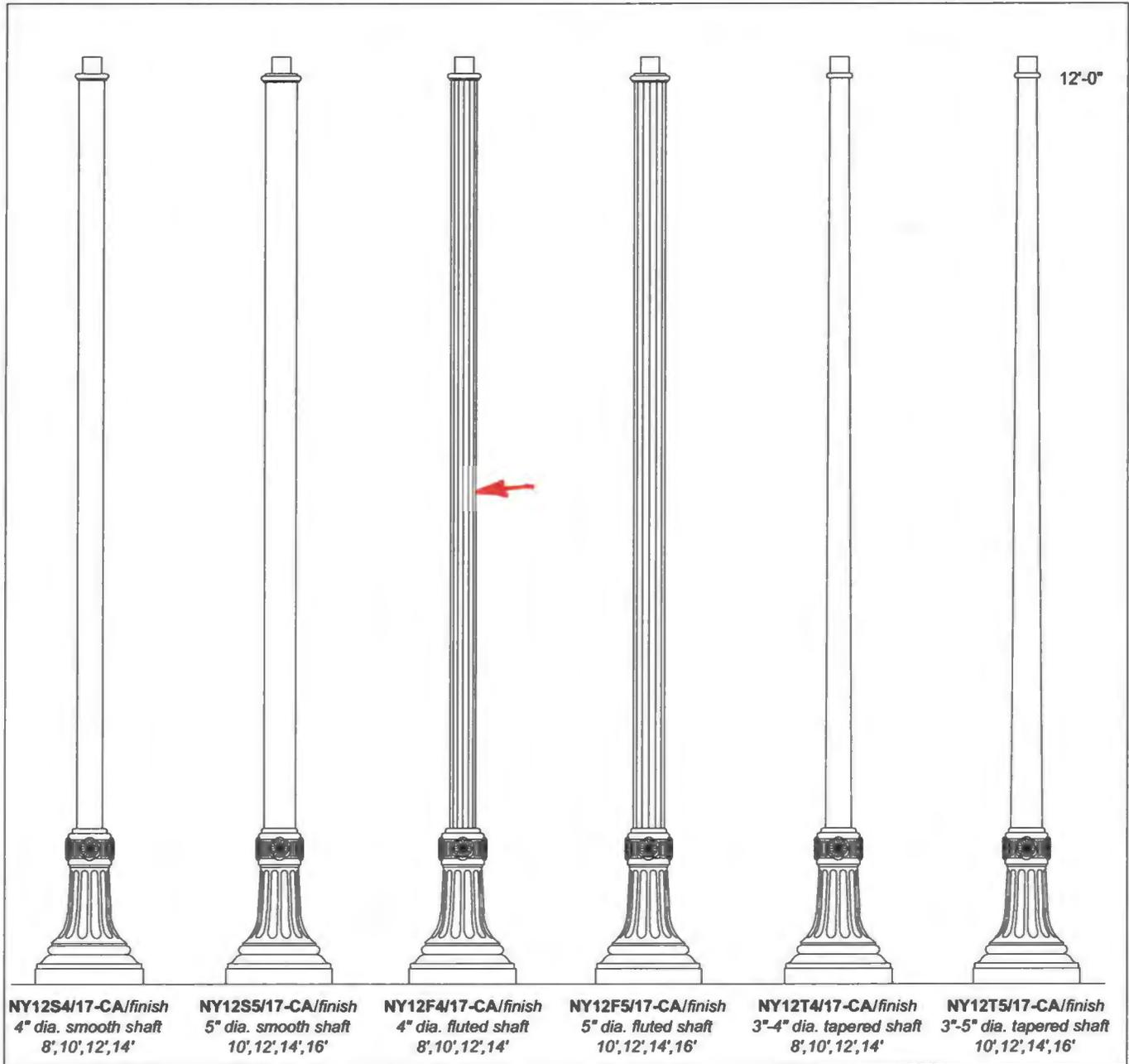
Isofootcandle data is based on a 15 foot mounting height. To determine values for mounting heights other than 15 feet, multiply the values for mounting heights following factors:

10' - 2.25	12' - 1.56	14' - 1.15
16' - 0.88	18' - 0.69	20' - 0.56
22' - 0.46	24' - 0.39	

Cast Aluminum Posts extruded shafts

NORTH YORKSHIRE Series

17" dia. base



SPECIFICATIONS

DESCRIPTION The lighting post shall be all aluminum, one-piece construction, with a classic tapered and fluted base design. The shaft shall be _____ (insert shaft options from back page) The post shall be Holophanes' catalog number NYXXXX/17-CA/finish.

MATERIALS The base shall be heavy wall, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B-179-95a or ASTM B26-95. The straight shafts shall be extruded from aluminum, ASTM 6061 alloy, heat treated to a T6 temper. The tapered shaft shall be extruded from aluminum, ASTM 6063 alloy, spun to a tapered shape, then heat treated to a T6 temper. All hardware shall be tamper resistant stainless steel. Anchor bolts to be completely hot dip galvanized.

CONSTRUCTION The shaft shall be double welded to the base casting and shipped as one piece for maximum structural integrity. The shaft shall be circumferentially welded inside the base casting at the top of the access door, and externally where the shaft exits the base. All exposed welds below 8' shall be ground smooth. All welding shall be per ANSI/AWS D1.2-90. All welders shall be certified per Section 5 of ANSI/AWS D1.2-90.

DIMENSIONS The post shall be X'- XX" in height with a 17" diameter base. The shaft diameter shall be XX". (see back page) At the top of the post, an integral 3" O.D. tenon with a transitional donut shall be provided for luminaire mounting.

INSTALLATION The post shall be provided with four, hot dip galvanized L-type anchor bolts to be installed on a 12" diameter bolt circle. A door shall be provided in the base for anchorage and wiring access. A grounding screw shall be provided inside the base opposite the door.

For finish specifications and color options, see "Finish" section in catalog.


HOLOPHANE An Acuity Brands Company
 LEADER IN LIGHTING SOLUTIONS 214 OAKWOOD AVENUE - NEWARK, OHIO 43055

NORTH YORKSHIRE Series Cast Aluminum Posts

SHAFT OPTIONS



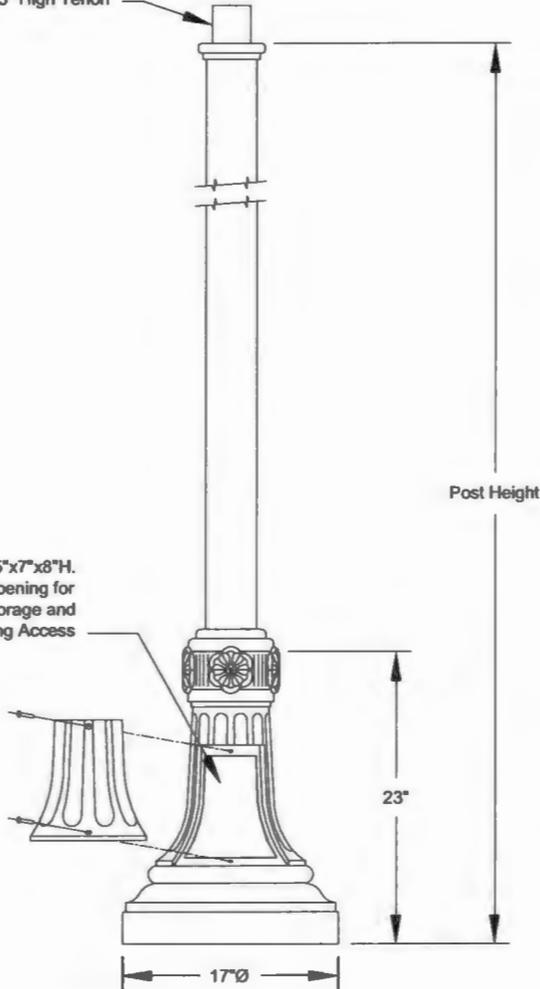
4" Dia. Smooth 5" Dia. Smooth



4" Dia. Fluted 5" Dia. Fluted 3"-4" Dia. Tapered 3"-5" Dia. Tapered

3" O.D. x 2.63" High Tenon

3.5"x7"x8"H.
Door Opening for
Anchorage and
Wiring Access



Ordering Guide

sample catalog number

NY12S4/17 - CA/BK - WPRT

Post	material/finish	options
NORTH YORKSHIRE 12'- Smooth 4" shaft 17" dia. base	Cast Aluminum Black	Weatherproof Receptacle at Top (of post)

Post	(check appropriate boxes, add height in blank)	
Catalog #	Shaft type	Heights
<input type="checkbox"/> NY_S4/17	4" dia. smooth	8', 10', 12', 14'
<input type="checkbox"/> NY_S5/17	5" dia. smooth	10', 12', 14', 16'
<input type="checkbox"/> NY_F4/17	4" dia. fluted	8', 10', 12', 14'
<input type="checkbox"/> NY_F5/17	5" dia. fluted	10', 12', 14', 16'
<input type="checkbox"/> NY_T4/17	3" - 4" dia. tapered	8', 10', 12', 14'
<input type="checkbox"/> NY_T5/17	3" - 5" dia. tapered	10', 12', 14', 16'

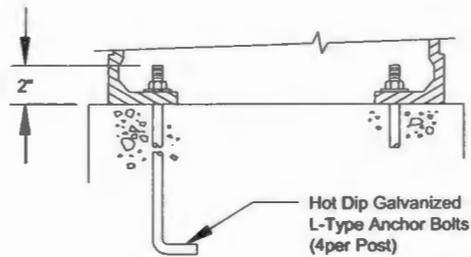
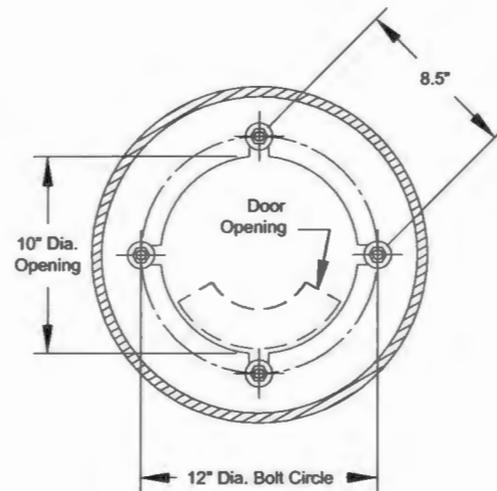
Material/Finish	Description
Catalog Suffix	
<input type="checkbox"/> -CA/BK	Cast Aluminum/Black (std.)
<input type="checkbox"/> -CA/DG	Cast Aluminum/Dark Green
<input type="checkbox"/> -CA/DB	Cast Aluminum/Dark Bronze
<input type="checkbox"/> -CA/PP	Cast Aluminum/Prime Painted
<input type="checkbox"/> -CA/CC	Cast Aluminum/Custom Color

(for complete finish and color options, see "Finish" section in catalog)

Optional Equipment	Description
Catalog Suffix	
<input type="checkbox"/> - _____	Receptacles (see Accessories section)
<input type="checkbox"/> - _____	Banner Arms (see Accessories section)
<input type="checkbox"/> - _____	Flag Pole Holders (see Accessories section)
<input type="checkbox"/> - _____	Custom Logos (see Accessories section)
<input type="checkbox"/> - _____	Signage (see Signage section)

(for optional equipment not found in catalog, consult factory)

ANCHORAGE GUIDE

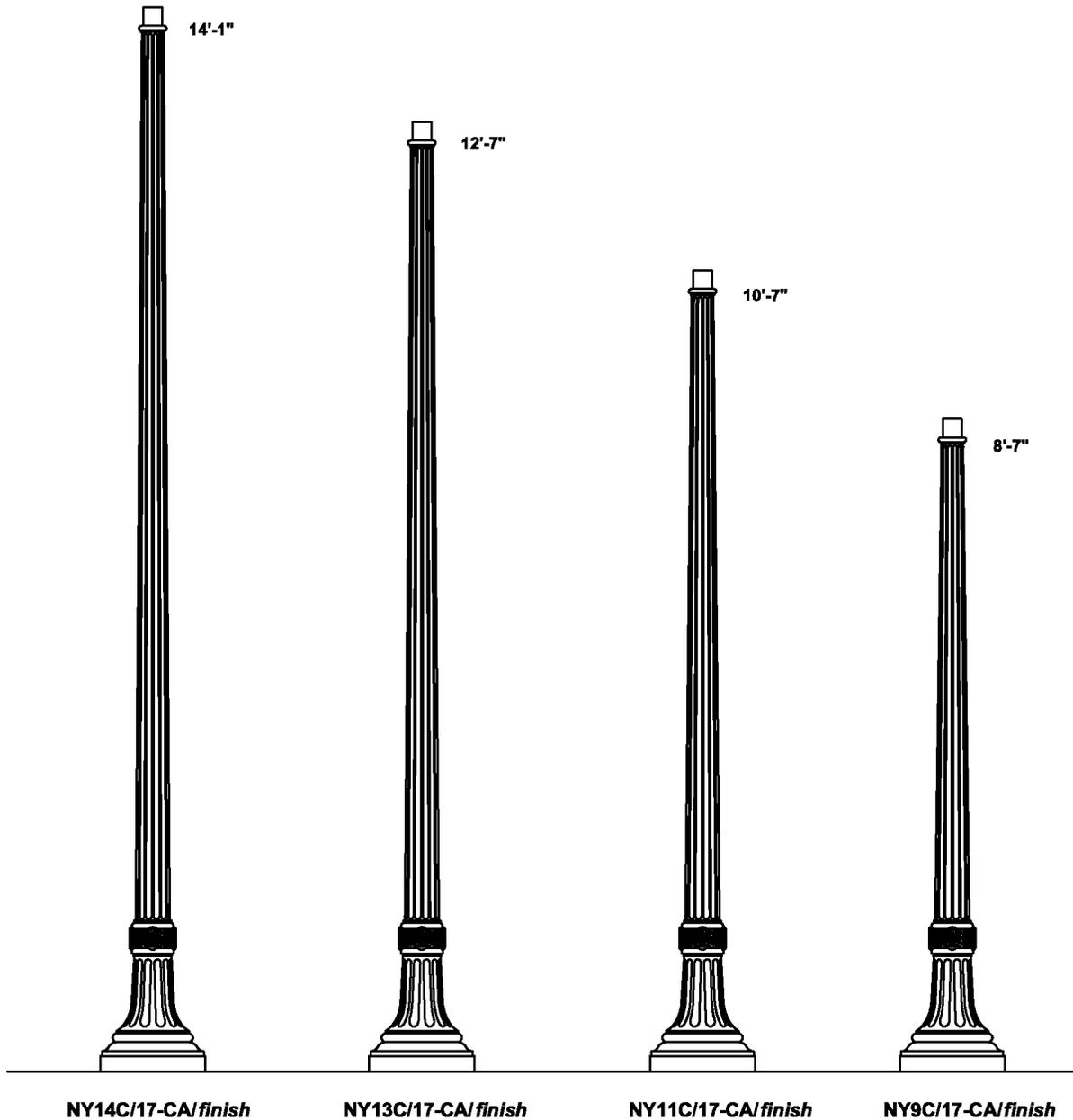


Hot Dip Galvanized
L-Type Anchor Bolts
(4per Post)

Cast Aluminum Posts tapered fluted shafts

NORTH YORKSHIRE Series

17" dia. base



SPECIFICATIONS

DESCRIPTION The post shall be all cast aluminum construction with a classic tapered and fluted base and a gracefully tapered 12-flute cast shaft. The post shall be Holophanes' catalog number NYXXC/17-CA/finish.

MATERIALS The post shall be heavy wall, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B179-95a or ASTM B26-95. The castings shall be formed true to the pattern with complete detail. All hardware shall be tamper resistant stainless steel. Anchor bolts to be completely hot dip galvanized.

CONSTRUCTION The cast shaft shall be circumferentially welded to the base casting and shipped as one piece for maximum structural integrity. All exposed welds below 8' shall be ground smooth. All welding shall be per ANSI/AWS D1.2-90. All welders shall be certified per Section 5 of ANSI/AWS D1.2-90.

DIMENSIONS The post shall be X'- XX" in height with a 17" diameter base. The shaft diameter shall taper from 3.5" at the top to 5.5" above the base. An integral 3" O.D. tenon shall be provided at the top for luminaire mounting. The post top shall include a transitional donut between the fluted shaft and the tenon.

INSTALLATION The post shall be provided with four, hot dip galvanized L-type anchor bolts to be installed on a 12" bolt circle. A door shall be provided in the base for anchorage and wiring access. A grounding screw shall be provided inside the base opposite the door.

For finish specifications and color options, see "Finish" section in catalog.


HOLOPHANE® An Acuity Brands Company
 LEADER IN LIGHTING SOLUTIONS 214 OAKWOOD AVENUE - NEWARK, OHIO 43055

NORTH YORKSHIRE Series

Cast Aluminum Posts

ORDERING GUIDE

sample catalog number

NY14C/17	-	CA/BK	-
Post	-	material / finish	- options

NORTH YORKSHIRE
14'-1" Height
Cast Shaft

Cast Aluminum
Black

Post (check appropriate boxes, add height in blank)

Catalog #	Heights
<input type="checkbox"/> NY9C/17	8'-7"
<input type="checkbox"/> NY11C/17	10'-7"
<input type="checkbox"/> NY13C/17	12'-7"
<input type="checkbox"/> NY14C/17	14'-1"

Material/Finish

Catalog Suffix	Description
<input type="checkbox"/> -CA/BK	Cast Aluminum/Black (std.)
<input type="checkbox"/> -CA/DG	Cast Aluminum/Dark Green
<input type="checkbox"/> -CA/DB	Cast Aluminum/Dark Bronze
<input type="checkbox"/> -CA/PP	Cast Aluminum/Prime Painted
<input type="checkbox"/> -CA/CC	Cast Aluminum/Custom Color

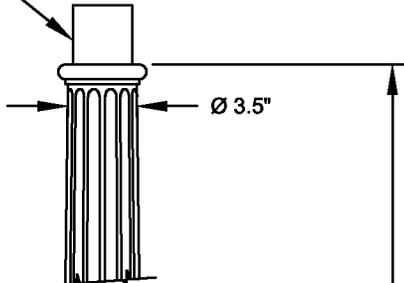
(for complete finish and color options, see "Finish" section in catalog)

Optional Equipment

Catalog Suffix	Description
<input type="checkbox"/> - _____	Receptacles (see Accessories section)
<input type="checkbox"/> - _____	Banner Arms (see Accessories section)
<input type="checkbox"/> - _____	Flag Pole Holders (see Accessories section)
<input type="checkbox"/> - _____	Custom Logos (see Accessories section)
<input type="checkbox"/> - _____	Signage (see Signage section)

(for optional equipment not found in catalog, consult factory)

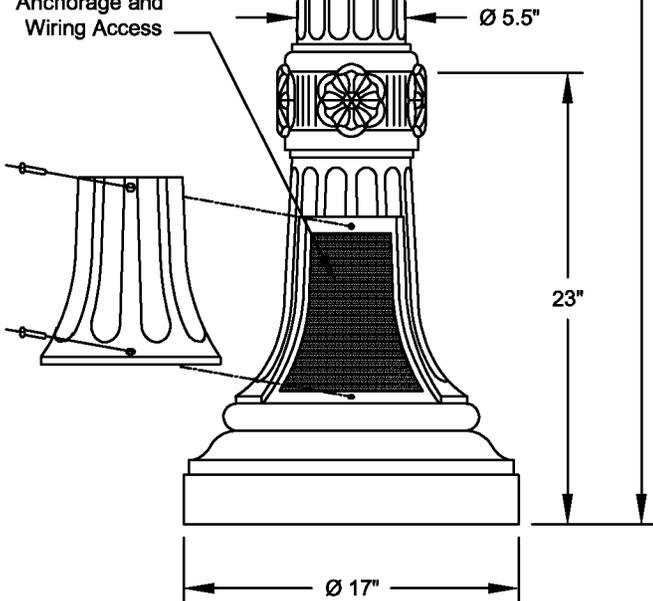
3" O.D. x 3"
High Tenon



Ø 3.5"

NY9C/17 : 8'-7"
NY11C/17 : 10'-7"
NY13C/17 : 12'-7"
NY14C/17 : 14'-1"

3.5"x7"x8" H.
Door Opening for
Anchorage and
Wiring Access

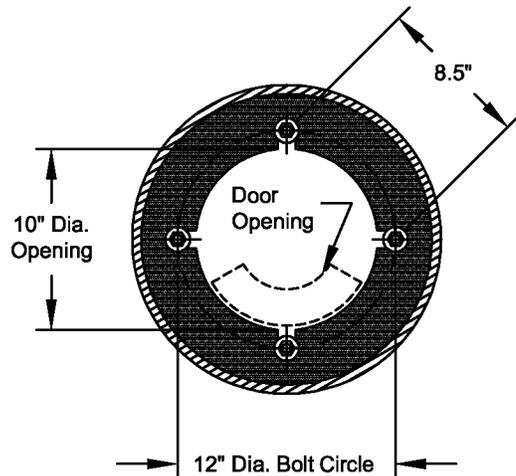


Ø 5.5"

23"

Ø 17"

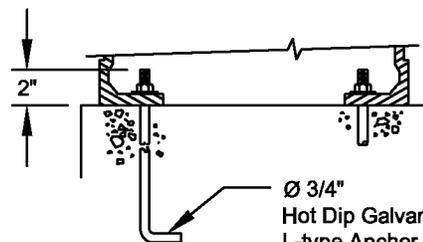
ANCHORAGE GUIDE



10" Dia.
Opening

8.5"

12" Dia. Bolt Circle



Ø 3/4"
Hot Dip Galvanized
L-type Anchor Bolts
(4 per Post)

GRANVILLE[®] PREMIER LUNAR OPTICS[®]



Featuring a New Performance Optical Design

- Meets IES Cutoff Requirements
- A 30% Performance Enhancement Over Existing Lunar Optic Systems
- Less than 5% uplight component

Product Features

- IP66 Optical Assembly
- Tool-less Entry
- Utility Ballast Module
- Integral Re-Lamping Without Removing the Glass
- Source Availability up to 250W MH and 150W HPS

Ease of Maintenance



HL-2383 1/08



| DECORATIVE

| Historical

GRANVILLE® PREMIER

| DECORATIVE | Historical

Featuring ISD SuperGlass® with Cutoff Optics



Preferred Selections:

Most Frequently Ordered Catalog Number

GVP	175MH	MA	M	B	6	R	S	B
1	2	3	4	5	6	7	8	9
LUMINAIRE	WATTAGE	VOLTAGE	HOUSING	COLOR	OPTICS	TRIM	FINIAL	TRIM FINISH
GVP	175MH 250MH	MA	M	B	6	R	S	B

Holophane's new Cutoff optical design utilizes a precision segmented Miro® 4 reflector design to control up-light and a bottom prismatic glass refractor to provide a very uniform distribution pattern.

Miro® 4 is a Registered Trade Mark of Alanod



Catalog Numbers for Entire Product Offering

(Pricing and lead times may be affected)

STEP 1: LUMINAIRE

GVP Granville Premier

STEP 2: SOURCE AND WATTAGE

HIGH PRESSURE SODIUM

Medium Base

50DHP	50W HPS
70DHP	70W HPS
10DHP	100W HPS
15DHP	150W/55V HPS

Mogul Base

050HP ¹	50W HPS
070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS

¹ Not available with 347V

STEP 2: WATTAGE (CONTINUED)

METAL HALIDE

Medium Base

70DMH ²	70W MH
10DMH ²	100W MH
15DMH ²	150W MH
17DMH	175W MH

Mogul Base

175MH	175W MH
250MH	250W MH

INCANDESCENT

20DIN	200W Inc
-------	----------

COMPACT FLUORESCENT

42CFL	42W CFL
57CFL	57W CFL
70CFL	70W CFL

INDUCTION

055QL ³	55W Ind
085QL ³	85W Ind

¹ Not available with 347V
² Not available with 480V
³ 35°C maximum ambient

STEP 3: VOLTAGE

08 ¹	208V
12	120V
20	208V
24	240V
27	277V
34	347V
40 ¹	240V
48	480V

Multi-tap, factory installed

MA	120 volt only
MB	208 volt only
MC	240 volt only
MD	480 volt only

¹ Isolated secondary. Not available with "CFL", "70DMH", "10DMH", "15DMH", and "QL"

STEP 4: HOUSING

M Modern fluted swing open design

STEP 5: COLOR

B Black
N Green
Z Bronze
A As specified

STEP 6: OPTICS

3 Asymmetric
5 Symmetric
6 Asymmetric, with Lunar Optics
8 Symmetric, with Lunar Optics

STEP 7: TRIM

B Band only
N No trim
R Band and ribs

STEP 8: FINIAL

Painted Cast Aluminum

B Ball
E Eagle
F Flower
P Pawn
R Cross
S Standard

Other

C Clear Acrylic, 3"
N None

STEP 9: TRIM FINISH

B Black
N Green
Z Bronze
A As specified
U No trim and clear or no finial

STEP 10: OPTIONS/ACCESSORIES

DTL Twist-off photocontrols

PCTWSTL120
120 volt
PCTWSTL1202427
120-277 volt
PCTWSTL480
480 volt
PCTWSTLSHRTCAP
Shorting cap
FCVRX¹ Full decorative aluminum cover for "GV" (finial required)
H NEMA twist-off photocontrol
NEMA-XXXXX
NEMA labels. Insert wattage for "XXXXX"
P Protected starter for HPS units
S Orient door with street

Pre-wired leads

LEADS-XXX-FT10GA
Pre-wired leads. Insert length for "XXX"

¹ For color insert "B", "G", "N", "Z" or "A" for "X"



An AcuityBrands Company

Acuity Brands Lighting, Inc.

Holophane Headquarters, 3825 Columbus Road, Granville, OH 43023

Holophane Canada, Inc. 9040 Leslie Street, Suite 208, Richmond Hill, ON L4B 3M4

Holophane Europe Limited, Bond Ave., Milton Keynes MK1 1JG, England

Holophane, S.A. de C.V., Apartado Postal No. 986, Naucalpan de Juarez, 53000 Edo. de Mexico

Contact your local Holophane factory sales representative for application assistance, and computer-aided design and cost studies. For information on other Holophane products and systems, call the Inside Sales Service Department at 740-345-9631. In Canada call 905-707-5830 or fax 905-707-5695.

Limited Warranty and Limitation of Liability Refer to the Holophane limited material warranty and limitation of liability on this product, which are published in the "Terms and Conditions" section of the current Buyers Guide, and is available from your local Holophane sales representative.



Cutoff Classification



Full Cutoff: Zero candela (intensity) at or above horizontal (90° above nadir) and limited to a value not exceeding 10% of lamp lumens at a vertical angle of 80° above nadir.

Benefits:

- Perceived reduction in sky glow
- Excellent light control at property line
- Limits spill light
- Reduces glare

Uplight:

- No uplight allowed

Limitations:

- Reduces pole spacing
- Increases pole and luminaire quantity
- Least cost effective of all cutoff categories
- Concentrated down light component results in maximum reflected uplight
- Potential to have decreased uniformity due to higher light levels directly under the pole

Cutoff: Intensity at or above 90° to no more than 2.5% of lamp lumens, and no more than 10% of lamp lumens at a vertical angle of 80° above nadir

Benefits:

- Small increase in high-angle light compared to full cutoff
- Good light control at property line
- Potential for increased pole spacing and lower overall power consumption when compared to full cutoff

Limitations:

- Can allow uplight, a problem when uplight is not desired
- Light control at property line less than full cutoff
- Reflected light off pavement can increase sky glow

Uplight:

- From as little as 0% to a maximum 16%

Semi-Cutoff: Intensity at or above 90° to no more than 5% of lamp lumens, and no more than 20% of lamp lumens at a vertical angle of 80° above nadir

Benefits:

- Potential for increased pole spacing and lower overall power consumption when compared to cutoff
- High angle light accents taller surfaces
- Less reflected light off pavement than cutoff luminaires
- Vertical illumination increases pedestrian security & sense of safety

Limitations:

- Greater potential for direct uplight component than Cutoff
- Light trespass a concern near residential areas
- Increased high angle light compared to cutoff

Uplight:

- Less than 1% to a maximum 32%

Non-Cutoff: No intensity limitations on light distributions at any angle

Benefits:

- Potential for increased pole spacing and lower overall power consumption when compared to semi-cutoff
- Accents taller surfaces
- Highest vertical illumination increases pedestrian safety & security
- Excellent uniformity
- Least amount of reflected light off pavement
- "Open visual environment" provides great visibility

Limitations:

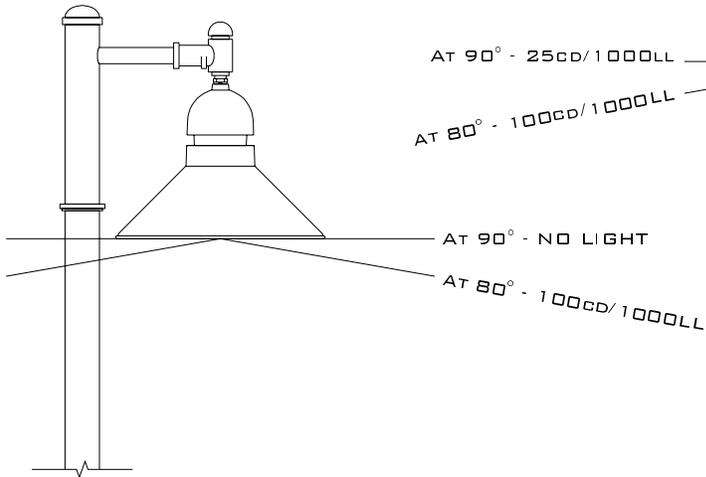
- Greatest potential for direct uplight component of all classifications
- Least control of direct uplight
- Least control of aiming
- Increased high angle light compared to semi-cutoff

Uplight:

- No restriction

CUTOFF CLASSIFICATION

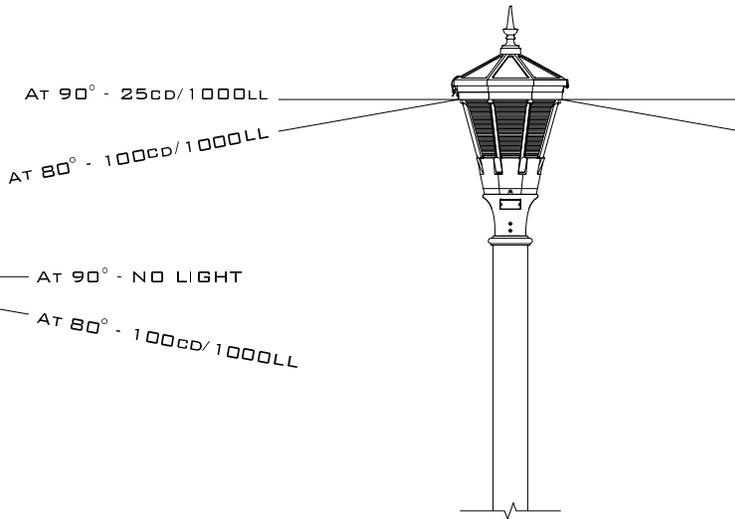
FULL CUTOFF



ALLOWS:

- ◆ NO LIGHT AT 90°
- ◆ 100 CD PER 1000 LAMP LUMENS AT 80°

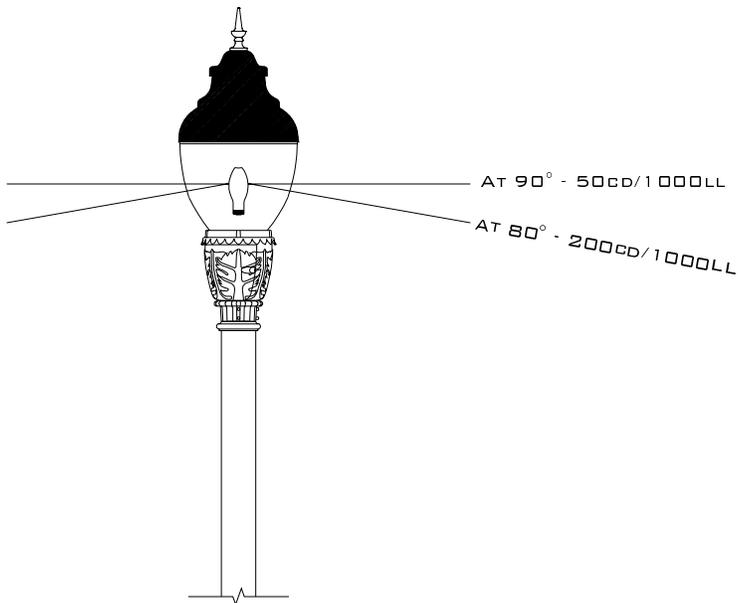
CUTOFF



ALLOWS:

- ◆ 25 CD PER 1000 LAMP LUMENS AT 90°
- ◆ 100 CD PER 1000 LAMP LUMENS AT 80°

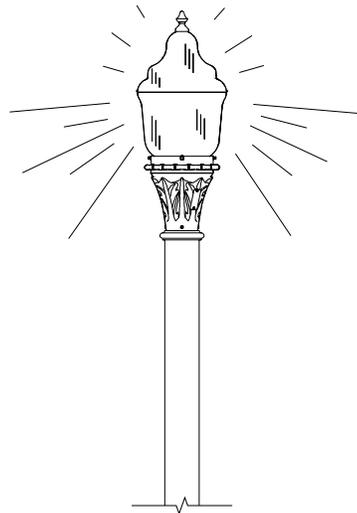
SEMI-CUTOFF



ALLOWS:

- ◆ 50 CD PER 1000 LAMP LUMENS AT 90°
- ◆ 100 CD PER 1000 LAMP LUMENS AT 80°

NON-CUTOFF



ALLOWS:

- ◆ UNRESTRICTED DISTRIBUTION OF LIGHT AT ANY ANGLE

INVOICE



McNAUGHTON-McKAY
ELECTRIC COMPANY
YOUR ELECTRICAL CONNECTION

Dept 14801
PO Box 67000
Detroit, MI 48267-0148
248-399-7500 ph 248-414-2220 fax

Invoice Number: 11639938-01
Invoice Date: 10/26/11
Customer Number: 29367
Salesman: ehs
PO Number: KURT
Page Number: Page 1 of 1



BILL TO:
645 1 AT 0.365 E0060X I0102 D390397229 P907123 0001:0001



VILLAGE OF DEXTER
8140 MAIN ST
DEXTER MI 48130-1092

SHIP TO:

VILLAGE OF DEXTER
3600 CENTRAL ST
ATTN KURT AUGUSTINE
DEXTER, MI 48130

SHIP POINT		SHIP VIA			SHIP DATE		
Madison Heights Branch		OUR TRUCK			10/25/11		
INSTRUCTIONS				TERMS			
				Net 30 Days			
LINE NO.	PRODUCT AND DESCRIPTION	QUANTITY ORDERED	QUANTITY B.O.	QTY. SHIPPED	QTY. U/M	UNIT PRICE	AMOUNT (NET)
NO UPS SHIPMENTS *****							
1	SYLLED50RETROFIT/750/_01 [78628] LED55RETROFIT/750/T5M/D6 Interchange Prod: 78628	2	0	2	EACH	500.00	1000.00
1	Lines Total	Qty Shipped Total		2	Total Invoice Total		1000.00
							1000.00

202-474-740.00 - \$500.00
203-474-740.00 - \$500.00



TRY OUR NEW FREE E-MAIL OR FAX DELIVERY INVOICING SERVICE!

You can now receive your invoices via fax delivery or e-mail once per day in one easy to open PDF file. You can even download our invoice data directly into your accounting package (such as QuickBooks or Excel).

SIGN UP AT BILLING@MC-MC.COM.

The sale of products and services by Seller is subject to Seller's general terms and conditions of sale ("Seller's Terms") as attached to this document or as otherwise posted on Seller's website at <http://terms.mc-mc.com/corp>. Seller objects to and rejects any terms or conditions that may appear on or are referenced in Customer's purchase order or other document that are in addition to or otherwise inconsistent with Seller's Terms. Customer's receipt or acceptance of delivery of any ordered item above will constitute its acceptance of Seller's terms.

Appendix B:

Pre-Construction Documents

DEPARTMENT OF PUBLIC WORKS
VILLAGE OF DEXTER
DEXTER, MI 48130

Date Received: _____
Receipt #: _____
FEE: See Below.

APPLICATION AND PERMIT TO CONSTRUCT,
OPERATE, OR REPAIR WITHIN; OCCUPY; USE;
AND/OR MAINTAIN VILLAGE OF DEXTER
STREET RIGHT-OF-WAY (INCLUDING CURB
CUTS AND/OR ROAD CUTS)

FOR OFFICIAL USE ONLY

Application/permit # _____

Date of issuance: _____

Date and Reason for Denial: _____

I _____ on behalf of _____
(individual) (contractor, corporation, utility/government, individual)

request a permit to _____
(operate, repair, construct, use, occupy and/or maintain – List all those applicable)

within the established right-of-way _____ Street(s) in

the Village of Dexter for the purpose of _____
(indicate any curb/road cuts or street closure/blockages required)

_____. The approximate location of work pertinent to this
application is _____,

Village of Dexter, Washtenaw County, Michigan.

**AS PART OF THIS APPLICATION AND APPROVAL PROCESS HERETO,
THE UNDERSIGNED APPLICANT AGREES TO COMPLY FULLY
WITH EACH OF THE PROVISIONS AND SPECIFICATIONS
ENUMERATED (1-12) ON THE REVERSE SIDE OF THIS FORM.**

Recommended for issuance:

Superintendent of Public Works Date

Village Manager Date

Applicant's Signature

Applicant's Address

Date

A permit, as requested in the foregoing application subject to the terms and conditions established herein, is hereby granted for a period commencing: _____ and ending: _____

Note: This permit does not relieve applicant from complying with any and all requirements of law established by public bodies, governments, or agencies other than the Village of Dexter.

Inspection: In all cases the permit holder shall notify the Superintendent of Public Works as to specific time of commencement so that, if necessary an inspector can be present while work is in progress. The permit holder shall be billed for the expense associated with the provision of an inspector.

Permit: The on-site foreman responsible for activities subject to permit issued, shall maintain a complete copy of the permit on the job site at all times.

PROVISIONS AND SPECIFICATIONS

The following provisions and specifications are part of the approved application, and as such must be fully complied with.

1. Applicant must pay fees per Street and Utility Right-of-Way Ordinance (17-2003)
2. Applicant shall provide written notice of the commencement of any activities pursuant to this application to the Dexter Village Superintendent of Public Works, or his authorized designee, no less than three (3) working days prior to such commencement. Road closures require a detour plan and approval ten (10) working days prior to closure.
3. All construction and/or maintenance operations or activities subject to this permit application must be completed on or before:_____.
4. All construction and/or maintenance operations or activities subject to this permit application must be performed in a manner which fully complies with "Village of Dexter, Street and Right-of-Way Ordinance and Design Specifications for site improvements as lawfully established.
5. The applicant hereto agrees, along with any and all of his/her agents, representatives, employees, designees, or assignees, to hold harmless the Village of Dexter, any and all of its agents, representatives, employees, designees, or assignees, from any and all claims of suits arising from or pertaining to any injuries, accidents, property damages, or loss of limb or life, resulting from or occurring during any and all operations or activities pursued subject to this permit application.
6. If required by the Village of Dexter, as represented by its Village Manager, the applicant hereto shall procure and maintain, during the term of activities or operations specified herein, public liability and property damage insurance in such amounts as are specified in Section #1.70, Village of Dexter Engineering Design specifications for site improvements.
7. Applicant will be required to submit a performance guarantee escrow bond based on 50% of the total cost of construction acceptable as to form and substance to the Dexter Village Manager; said bond shall be fully refundable upon performance of the conditions and specifications of the permit issued and in compliance with all applicable requirements of law. Enter total cost of construction:_____. Applicant must provide justification for cost estimates.
8. The following items must be attached to this application prior to permit issuance: _____Location Map _____Engineering Plans _____Specifications & Details _____Performance Bond _____Proof of Insurance Other_____
9. The Applicant understands that the permit herein applied for and all rights and privileges associated with and pertaining thereto, can be withdrawn by the Village of Dexter at any time following issuance in the event of material noncompliance of any of the specifications or provisions set forth herein.
10. Inspections - Permittee shall have water and sewer work inspected prior to backfill.
11. The Village of Dexter is not responsible for damage done to irrigation systems placed within the Public Rights-of-Ways.
12. Residential Driveways – New and Existing \$25.00; Commercial Driveways – New and Existing \$60.00; Minor Maintenance, including streetlights: Any work on a street right-of-way including repairs on existing sewer and water leads for residential properties including all above and belowground utilities, minor work within the street right-of-way, such as repairing a residential gas lead or electrical service lead, etc. \$100.00; Bore, Jack and Tunnel – Applies to all utilities, including sewer and water leads, for new residential properties \$200.00; Pavement Cutting for any purpose – All utilities, including sewer and water leads, for new and existing residential properties. \$400.00; Major Maintenance – Including new construction and repair of existing underground utilities, such as gas mains, fiber optics, electrical supply lines, and telephone, not pertaining to residential service leads, etc. \$500.00; Annual Blanket Utility Right-of-Way Work Permit \$3000.00

Annual Permit Requirements:

Permit is to be submitted to the office 3 business days prior to proposed Right-of-Way work. Applicable information is to be submitted along with permit. No Performance Guarantee shall be required for the annual permit.

The Village reserves the right to require inspections, and subsequently charge for time spent by Village employees, for all work within the Village of Dexter Rights-of-Way.

Inspection Fee Worksheet (Based on Typical Construction Production Rates)

The following production rates are to be used in determining the estimated number of days to complete the project. A rate of \$925/day will then be applied to the total number of days to determine the inspection escrow. One day is equal to eight hours of inspection.

STORM WATER MANAGEMENT SYSTEM

Underdrain	400 lft/day
12" to 18" Storm Sewer	200 lft/day
21" and 24" Storm Sewer	175 lft/day
30" and larger Storm Sewer	150 lft/day
2' dia. Inlet	5 inlets/day
4' dia to 6' dia Catch Basin/Manhole	3 structures/day
Outlet Control Structure	2 structures/day
End sections	5 end sections/day
Detention Pond/Forebay/Misc Grading	2 days
Storm - Punch List and Reinspection	2 days

SANITARY SEWER

Sanitary Sewer	200 lft/day
Sanitary Lead	250 lft/day
Sanitary Structure	3 structures/day
Sanitary Air Test	0.3 day
Sanitary - Punch List and Reinspection	0.3 day

WATER SUPPLY SYSTEM

Water Main	200 lft/day
Water Service	300 lft/day
Tapping Sleeve, Gate Valve in Well	1/day
Gate Valve in Well	3 gate valves/day
Gate Valve in Box	5 gate valves/day
Shut-off in box	6 shut-offs/day
Fire Hydrant Assembly	4 hydrants/day
Water Supply - Pressure Test	1 day
Water Supply - Bacteriological Test	1 day
Water Supply - Punch List and Reinspection	2 days

MISCELLANEOUS

The following time allocations are what is expected for an average size development. These may change depending on the size of the project.

Preconstruction Meeting and Coordination	1 day
Sidewalk Form Check and Final Check	1 day
Paving Spot Check	0.5 day
Substantial Completion Inspection and Punch List	1 day
Final Inspection	0.5 day
Record Plan Request and Processing	0.5 day
Record Plan Review per Submittal	0.5 day/plan sheet
Project Administration	1 day

ESCROW BREAKDOWN (\$925/DAY)

_____ Total Proposed Days @ \$925/day = _____ for Inspection Escrow

CONSTRUCTION CONTACT INFORMATION

Project Name: _____

Location (include section #): _____

Project Supervisor: _____

OHM Project No.: _____

Municipality Project No.: _____

Developer/Owner	
Street Address	
City, State & Zip	
Contact Person:	

Phone:	
Fax:	
Email:	
Emergency:	

(If a different professional engineer/professional surveyor is going to complete the record drawings, please list them here)

Design Engineer	
Street Address	
City, State & Zip	
Contact Person:	

Phone:	
Fax:	
Email:	
Emergency:	

Prime Contractor	
Street Address	
City, State & Zip	
Contact Person:	
Safety Officer:	

Phone:	
Fax:	
Email:	
Emergency:	

CONSTRUCTION CONTACT INFORMATION continued

Mass grading/soil	
Street Address	
City, State & Zip	
Contact Person:	

Phone:	
Fax:	
Email:	
Emergency:	

Underground	
Street Address	
City, State & Zip	
Contact Person:	

Phone:	
Fax:	
Email:	
Emergency:	

Paving	
Street Address	
City, State & Zip	
Contact Person:	

Phone:	
Fax:	
Email:	
Emergency:	

Landscape	
Street Address	
City, State & Zip	
Contact Person:	

Phone:	
Fax:	
Email:	
Emergency:	

Other: Concrete	
Street Address	
City, State & Zip	
Contact Person:	

Phone:	
Fax:	
Email:	
Emergency:	

After the pre-construction meeting, please fax this completed sheet to the OHM Construction Department at 734-522-6427.

PRIOR TO THE START OF CONSTRUCTION: Mark N/A if the item is not applicable to this project.

Check below if an issue is present and either write the issue or reference an attachment.

- Electricity: _____

- Natural Gas: _____

- Telephone: _____

- Cable TV: _____

- Other: _____

The following should address any other Municipality concerns, including other possible interested parties:

- Village of Dexter: _____

- Adjacent Municipality: _____

- Road Commission: _____

- Drain Commission: _____

- MDOT: _____

- Railroad: _____

- County: _____

- Residential: _____

- Community Development Agency: _____

- Other: _____

PRIOR TO THE START OF CONSTRUCTION *continued*:

The following checked items must be submitted to the Village and OHM:

PERMITS: Copies of permits may be faxed to the OHM Construction Department at 734-522-6427.

- Soil Erosion – Washtenaw County
Permit # _____ Expiration Date: _____
- NPDES (National Pollution Discharge Elimination System - MDEQ)
Permit # _____ Expiration Date: _____
- Water Main (Michigan Department of Environmental Quality)
Permit # _____ Expiration Date: _____
- Sanitary Sewer (Michigan Department of Environmental Quality)
Permit # _____ Expiration Date: _____
- Storm Sewer (MDEQ *or* Washtenaw County Drain Commission)
Permit # _____ Expiration Date: _____
- Right of Way (Village of Dexter)
Permit # _____ Expiration Date: _____
- Wetland/Floodplain: (Michigan Department of Environmental Quality)
Permit # _____ Expiration Date: _____
- Other: _____ (agency: _____)
Permit # _____ Expiration Date: _____

- A Performance Guarantee of \$ _____ must be posted with Village of Dexter.
- Construction Escrow in the amount of \$ _____ must be paid to Village of Dexter. Send a copy of the paid escrow receipt to OHM, Attn. Marilyn Vaillancourt. Prior to any utility testing, the remaining escrow amount will be reviewed to verify that there is enough escrow to complete the project.
- Soil Erosion Escrow in the amount of \$ _____ must be paid to Washtenaw County.
- Owner's and Contractor's Protective Public Liability and Property Damage Insurance shall include the following additional named insured:
 1. Village of Dexter and related agency entities
 2. Orchard, Hiltz & McCliment, Inc. its employees, agents
 3. Any other entities impacted
- Proof of Prime Contractor's general liability insurance (project name appearing in description area) shall name as additionally insured and be submitted to the Village and Orchard Hiltz & McCliment, Inc. Standard language regarding cancellation will be upgraded to “30 days written notice” for cancellation and the language “failure to do so shall impose no obligation or liability of any kind upon the insurer, its agents or representatives.” will be removed or crossed off.

PRIOR TO THE START OF CONSTRUCTION continued:

SCHEDULE: Please provide a schedule of work including the anticipation of duration for major elements such as: mass grading, water main installation, sanitary installation, storm installation, lead installations, paving activities, and landscape restoration. Fax to OHM Construction Department at 734-522-6427.

PRE-CONSTRUCTION VIDEO TAPING: If this section is checked, this project requires the work-site to be videotaped prior to the start of construction. Copies of the video are to be mailed to OHM Construction Department, Attn. Site Coordinator.

TYPE OF MATERIALS: Please list the type and class of the materials to be used for this project and provide a copy of the testing orders (suppliers and materials) to the inspector on site.

Sand _____

Aggregate _____

Bituminous _____

Concrete _____

Sanitary Sewer _____

Water Main _____

Storm Sewer _____

Manholes _____

Hydrants _____

Brass/Fittings: _____

Castings _____

Signs _____

Posts _____

Contractor shall provide material certifications to the inspector for any of the above applicable items and any other related items used in the site construction work.

Excess material should be legally disposed of off-site. Contact the Village before transporting any material to other sites (including residential) within the municipality. Local ordinances may require prior approval. Make sure not to dispose materials in areas that may impact a watershed.

PRIOR TO THE START OF CONSTRUCTION continued:

- At the request of the Village of Dexter, inspection is required for the following: water main, sanitary sewer, storm sewer, retaining walls, public paving, private paving, restoration, landscaping, and _____.
- Three (3) working days notice is required (not including weekends/holidays) to schedule inspection. Applies to construction start and any time that work is suspended for two days or more, contact OHM Construction Department at 734-466-4539, Mondays through Fridays 8 am to 4 pm. Contractor is advised that utilities installed on the project without inspection will be rejected by the Village.
- Utilities must be staked and dated cut sheets given to inspector before construction may start. This includes water, sanitary, storm and road (where applicable). Fax cut sheets to the OHM Construction Department at 734-522-6427.
- When OHM is to do the staking, a staking request form must be filled out with a minimum of three (3) working days notice and faxed to 734-522-6427, attention to: Survey Department.
- Notify MISS DIG (800-482-7171) at least three (3) full working days in advance. Keep your reference number for complaints on improperly staked utilities or if no staking was done.
- Density testing will be performed by an independent testing company and not by OHM. The Owner / Developer is responsible for arranging this service as well as the cost for this service. **Fax one (1) copy of all test reports for backfill and pavement construction to Chris Donajkowski at OHM.**
- OHM will perform the density testing. Contact the Project Supervisor for arranging this service.
- Any field problems or design changes shall be directed to the Developer's Engineer for re-design then submitted to OHM for approval. All changes must be reviewed, approved and distributed before construction will be allowed. Note the revision number and date on all plans. **The APPROVED plans are dated.**
- Any water used on site, originating from a public fire hydrant or water source, will be charged by the Village of Dexter at a flat rate. A backflow-preventer must be provided by the contractor.
- Public and private streets must be maintained in a clean condition and free of debris at all times. In the event that a public roadway becomes dirty, the Contractor shall clean it immediately. The question of the cleanliness of roads and streets will be determined solely by the Municipal road agency or its authorized representative.
- It is the Owner / Contractor's responsibility to comply with all current Village of Dexter Engineering Standards and Design Specifications, and the approved plans for the project, regardless of whether any deficiency is noted at the time of construction or preliminary walkthrough.
- It is the Contractor's responsibility to comply with all current MIOSHA/OSHA standards where applicable including confined space regulations for new construction. Attendance at the pre-construction meeting by the Contractor's representative acknowledges understanding of this obligation. The Village and its Engineering Consultant, OHM, will not oversee the Contractor's operations from the stand point of safety and are not obligated to act as the Contractor or Subcontractor's safety officer.
- Traffic control must be in compliance with the Michigan Manual of Uniform Traffic Control Devices in conjunction with local construction permit requirements or stipulations and any detour, staging or traffic control diagrams incorporated into approved plans.

PRIOR TO THE START OF CONSTRUCTION continued:

WATER MAIN

Water main shall be constructed per Village of Dexter Standard Water Main Details. Where conflicts occur between the general plans and the standard details, the conditions in the standard details shall govern.

Refer to Village of Dexter Water Main Standards for current material requirements.

- Gate Valves in Dexter OPEN LEFT (standard black valve operator nut).
- Water main to be installed with Polyethylene encasement (Poly-wrap) as directed by the Village Engineer.
- Water main to be cleaned with Poly-pig as directed by the Village Engineer. Coordinate location(s) of Poly-pig(s) with Village Engineer prior to starting water main construction.
- Thrust blocks are not permitted except behind tapping valves (both inside and outside the precast gatewell), and behind fire hydrants. All other joint restraint to be provided by mechanical joint retainer glands (i.e. Mega-Lug), and/ or locking gaskets.

Pressure testing will be conducted by the Contractor and witnessed by OHM on behalf of the Village. Water main testing shall be per AWWA Standards. Notify OHM (Site Coordinator) of schedule (3 working days prior to test). Prior to any utility testing, the remaining escrow amount will be reviewed to verify that there is enough escrow to complete the project.

No bacterial tests will be performed until pressure tests have been passed. Bacteria samples (two consecutive days) will be obtained by the OHM Inspector, with the Contractor present. Hard copy results must be on file at OHM prior to any tie-in.

No water main tie-ins are allowed until bacteria and pressure tests have been passed. When a tie-in does occur, all flushing of the main will have been stopped, all apparatus disconnected, and all valves opened.

SANITARY SEWER

Sanitary sewer shall be constructed per Village of Dexter Standard Sanitary Sewer Details. Where conflicts occur between the general plans and the standard details, the conditions in the standard details shall govern.

Sanitary taps into existing structures will be inspected by OHM. Taps into existing structures shall be neatly core-drilled and a rubber boot shall be used for the new pipe.

Sanitary sewer invert elevations will be recorded by the inspector and the contractor at each structure. Sanitary sewer main that is found to be laid at less than minimum-specified grade, or with backflow, will not be accepted by the Village.

Air Testing will be conducted by the contractor and witnessed by OHM on behalf of the Village. Contact OHM (Site Coordinator) to set up test date. Prior to any utility testing, the remaining escrow amount will be reviewed to verify that there is enough escrow to complete the project.

An infiltration, exfiltration, or nine-point deflection test using a mandrel is required.

Videotaping of the sanitary sewer is to be performed no sooner than 30 days after completion of backfill and a copy of the tape must be on file with OHM prior to acceptance.

PAY ESTIMATES (contract administration projects)

Pay estimates are processed once a month. The deadlines for submittals are based on the Village of Dexter's meeting schedule for approval. Contact OHM Construction Department at 734-522-6711 for further details.

Contractor must submit Contractor's Declaration and an itemized invoice for each payment. Contractor's Affidavit, Full Unconditional Lien Waivers from all subcontractors and suppliers, County Permit release and surety release must be submitted before final payment can be issued.

PRIOR TO FINAL ACCEPTANCE OF PROJECT

OHM will conduct a Preliminary Walkthrough of the site after all public utility installation is complete, and after at least the leveling course of asphalt pavement is complete. A Preliminary Utility Punchlist will be generated from this walkthrough. Once the items on the Preliminary Utility Punchlist have been completed, OHM will issue a letter to the Village recommending the public utilities on the project are substantially complete. **ALL MAINTENANCE AND OPERATION OF THE PUBLIC UTILITY IMPROVEMENTS ON THE PROJECT WILL REMAIN THE RESPONSIBILITY OF THE DEVELOPER / CONTRACTOR DURING THE TIME PERIOD FROM SUBSTANTIAL COMPLETION TO FINAL ACCEPTANCE.** OHM, Inc. will only recommend Final Acceptance of the project upon satisfactory completion of all Close-out items, including but not necessarily limited to, Record Drawings, Easements, Maintenance and Guarantee Bond, and Final Utility Inspection.

OHM will conduct a Final Walkthrough of the site after all construction on the project is complete. This includes all buildings, landscaping, and wearing course of asphalt pavement. A Final Utility Punchlist will be generated from this walkthrough. All items on the Final Utility Punchlist must be completed prior to Final Acceptance of the project.

ITEMS REQUIRED FOR RECOMMENDATIO OF PROJECT CLOSEOUT

As-builts: reviewed and approved

Grading certificate: signed and sealed

Easements Required:

Water Main Sanitary Sewer Storm Sewer

Safety Path Ingress/Egress

Other _____

Maintenance and Guarantee Bond

A maintenance and guarantee bond for _____% of applicable Public Works based on the engineer's estimate of \$_____ for a duration of 2 years shall be submitted to OHM/Municipality once all punch list items have been addressed. The amount required for this project is \$_____.

Passing Final Inspection

Appendix C:

Closeout Documents

GRADING CERTIFICATE

Date: _____

Ms. Donna Dettling, Village Manager
Village of Dexter
8140 Main St.
Dexter, MI 48130

Site Name: _____

Site Plan #: _____

Sidwell #: _____

Design Engineer and Firm Name: _____

Address: _____

Phone: _____ Fax: _____

Owner: _____

Address: _____

Phone: _____ Fax: _____

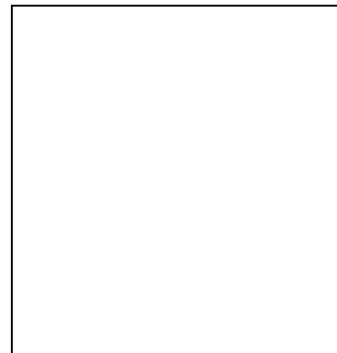
I hereby certify that the above-referenced site was graded in substantial accordance with the approved engineering plans dated _____ by Orchard, Hiltz & McCliment, Inc.

Engineer's Seal

Sincerely,

Printed Name of Registered State of Michigan Engineer

Signature





RECORD DRAWING REQUIREMENT CHECKLIST

JOB NAME: _____ REVIEWED BY: _____

JOB NUMBER: _____ DATE REVIEWED: _____

NOTE: Tie down measurements and top of casting elevations to all utility structures or building corners will also be the responsibility of the engineer providing the record drawings. The use of coordinates alone to locate structures is not acceptable.

The Orchard, Hiltz & McCliment, Inc project number must be printed in the lower right hand corner of all plan sheets.

SANITARY SEWER

COMMENTS

I. PLAN VIEW

OHM USE ONLY

- A. [NEED] [O.K.] Lengths between manholes
- B. [NEED] [O.K.] Size of pipe
- C. [NEED] [O.K.] Lengths of casing pipe
- D. [NEED] [O.K.] Ties to manholes
- E. [NEED] [O.K.] Type & class of pipe & joint ("O" ring, slip, solvent weld, etc.)
- F. [NEED] [O.K.] T/casting grades
- G. [NEED] [O.K.] Wye locations
- H. [NEED] [O.K.] Permit numbers (County & MDEQ)
- I. [NEED] [O.K.] Manufacturer of pipe
- J. [NEED] [O.K.] Manufacturer of manhole
- K. [NEED] [O.K.] Manhole numbering (sequential)
- L. [NEED] [O.K.] Show all sanitary sewer easements on plans
- M. [NEED] [O.K.] Provide sketch and legal description of sanitary sewer easements

II. PROFILE VIEW (REQUIRED FOR PIPE 8" & LARGER)

OHM USE ONLY

- A. [NEED] [O.K.] Lengths between manholes
- B. [NEED] [O.K.] Size of pipe
- C. [NEED] [O.K.] Lengths of casing pipe
- D. [NEED] [O.K.] Depth of wye & riser
- E. [NEED] [O.K.] Invert grades
- F. [NEED] [O.K.] Type & class of pipe & joint ("O" ring, slip, solvent weld, etc.)
- G. [NEED] [O.K.] T/casting grades
- H. [NEED] [O.K.] Wye locations
- I. [NEED] [O.K.] Percent slope between manholes (as-built)
- J. [NEED] [O.K.] Manhole numbering (sequential)

**STORM SEWER****COMMENTS****I. PLAN VIEW***OHM USE ONLY*

A.	[NEED]	[O.K.]	Lengths between manholes/catch basins/inlets
B.	[NEED]	[O.K.]	Size of pipe
C.	[NEED]	[O.K.]	Ties to manholes/catch basins/inlets
D.	[NEED]	[O.K.]	Type & class of pipe & joint
E.	[NEED]	[O.K.]	T/casting grades
F.	[NEED]	[O.K.]	Structure numbering (sequential)
G.	[NEED]	[O.K.]	Special structures (low head, 5' dia., 6' dia., 2' sump, etc.)
H.	[NEED]	[O.K.]	Show all easements for storm sewer
I.	[NEED]	[O.K.]	Provide sketch and legal description of storm sewer easements

II. PROFILE VIEW (REQUIRED FOR PIPE 12" & LARGER)*OHM USE ONLY*

A.	[NEED]	[O.K.]	Lengths between manholes
B.	[NEED]	[O.K.]	Size of pipe
C.	[NEED]	[O.K.]	Type & class of pipe & joint
D.	[NEED]	[O.K.]	Invert grades
E.	[NEED]	[O.K.]	T/casting grades
F.	[NEED]	[O.K.]	Structure numbering (sequential)
G.	[NEED]	[O.K.]	Percent slope between manholes (as-built)

WATER MAIN**COMMENTS****I. PLAN VIEW***OHM USE ONLY*

A.	[NEED]	[O.K.]	Lengths between gate valve & wells, hydrants and fittings
B.	[NEED]	[O.K.]	Size of pipe
C.	[NEED]	[O.K.]	Ties to gate valve & wells, hydrants and fittings
D.	[NEED]	[O.K.]	Ties to hydrants
E.	[NEED]	[O.K.]	Ties to stop boxes
F.	[NEED]	[O.K.]	Ties to building or offsets to pipe
G.	[NEED]	[O.K.]	Type and class of pipe w/or without Polywrap
H.	[NEED]	[O.K.]	Finish grade of hydrants
I.	[NEED]	[O.K.]	T/Casting grades
J.	[NEED]	[O.K.]	Horizontal bend locations
K.	[NEED]	[O.K.]	Location of thrust blocks & types of restraints
L.	[NEED]	[O.K.]	Sequentially numbered G.V. & wells
M.	[NEED]	[O.K.]	Permit numbers (County & MDEQ)
N.	[NEED]	[O.K.]	Manufacturer of pipe
O.	[NEED]	[O.K.]	Manufacturer of hydrant
P.	[NEED]	[O.K.]	Show all water main easements on plan
Q.	[NEED]	[O.K.]	Provide sketch and legal description of water main easements

WATER MAIN (continued)
COMMENTS
II. PROFILE VIEW (REQUIRED FOR PIPE 12" & LARGER)
OHM USE ONLY

- | | | | |
|----|--------|--------|---|
| A. | [NEED] | [O.K.] | Lengths between grade changes |
| B. | [NEED] | [O.K.] | Size of pipe |
| C. | [NEED] | [O.K.] | Type and class of pipe |
| D. | [NEED] | [O.K.] | G.V.. & well location |
| E. | [NEED] | [O.K.] | Hydrant location (identify special structures such as blow off) |
| F. | [NEED] | [O.K.] | Air relief valves/blow off valve locations |
| G. | [NEED] | [O.K.] | Vertical bend locations |
| H. | [NEED] | [O.K.] | T/Casting grades |

PAVEMENT
COMMENTS
I. Width and station of pavement (measured from centerline)
OHM USE ONLY

- | | | | |
|----|--------|--------|----------------------------------|
| A. | [NEED] | [O.K.] | At end of radius at intersection |
| B. | [NEED] | [O.K.] | At beginning of taper |
| C. | [NEED] | [O.K.] | At end of taper |
| D. | [NEED] | [O.K.] | Any changes in alignment |
| E. | [NEED] | [O.K.] | Radius @ intersection |
| F. | [NEED] | [O.K.] | Right-of-way survey data |

II. Drives
OHM USE ONLY

- | | | | |
|----|--------|--------|----------------|
| A. | [NEED] | [O.K.] | location |
| B. | [NEED] | [O.K.] | Width |
| C. | [NEED] | [O.K.] | Radius, if any |

III. Sidewalk
OHM USE ONLY

- | | | | |
|----|--------|--------|---|
| A. | [NEED] | [O.K.] | Location |
| B. | [NEED] | [O.K.] | Width |
| C. | [NEED] | [O.K.] | Changes in alignment |
| D. | [NEED] | [O.K.] | Ramps |
| E. | [NEED] | [O.K.] | Provide sketch and legal description for safety path & sidewalk easements |

**Village of Dexter
Standards
For submitting
Digital As-Built Drawings**

Prepared by Orchard, Hiltz & McCliment, Inc.

Revised May 2003

The following digital submission specifications are being provided as minimum requirements and guidelines for consultants and developers reference. Should you have any questions or comments please contact your community representative.

A. Digital format of CAD files

The acceptable digital format for as-built drawing files shall be in AutoCAD format according to the following specifications:

- AutoCAD version 12.0 or later
- DWG or DXF formats as defined in AutoCAD
- Layer naming (shown in Table A) is to remain unaltered
- All polygons must be closed
- Lines shall not be unnecessarily segmented
- Intersecting lines segments must have common end points

B. Layering scheme

Key mapping features shall be stored on unique CAD layers. Related text shall be included with each layer (i.e., storm pipes on a single layer and storm pipe annotation on a separate single layer). See “Table A” for layer names and descriptions. Submitted drawings will go through a quality check and the layers will be verified. Drawings found not to comply will be modified by the township, or the township representative to bring them in compliance with township layering standards. Any submittals requiring modification will result in an additional fee to the consultant/developer. Submittals needing substantial modifications will result in the rejection of the digital file.

C. Coordinate System

All drawings shall contain adequate geodetic reference to Michigan South State Plane NAD 83. Units must be described as either being US survey feet or international feet.

Drawings will conform to having one of the following references:

- (a) A drawing will reference a section corner/quarter-corner with distance and bearing data relating this point to the site plan.
- (b) A minimum of two (2) drawing locations will be identified with NAD83 coordinates established by field survey techniques (i.e., GPS or total station). Geographic coordinates shall appear in the drawing as text of a readable size and shall be in either Michigan South State Plane NAD83 or Geographic coordinates of sufficient resolution to derive state-plane coordinates within 1/10 of a foot.

D. Media for delivery

File transfer media shall be one of three options:

- CDROM or CD-R
- IOMEGA Zip 100 disks
- Electronic (Internet) file transfer
- 3.5 floppy disk with PKZIP file compression (least preferred)

G:\West\SUPERIOR\GIS\Delivery\Asbuilt02\asbuilt_delivery.doc

CADD/GIS Standard Naming Convention

Description	Layer name
Annotations	
all chart lines and text*	a_chart
day stamp	a_daystamp
all legend lines*	a_legend
all location map lines and text*	a_locmap
match line	a_matchline
match line text	a_matchline_txt
north arrow	a_north
drawing notes in layout	a_note
graphic scale	a_scale
street name (major)	a_street_maj
street name (minor)	a_street_min
all titleblock lines*	a_tblk
*The colors and linetypes for these layers are set by property	

Description	Layer name
Utilities	
cable lines	e_cable
cable point	e_cable_pt
cable symbol	e_cable_sym
cable text	e_cable_txt
electric utility lines	e_elec
point layer for electric symbols	e_elec_pt
electric utility symbols	e_elec_sym
electric utility text	e_elec_txt
existing force main lines	e_fm
existing force main point	e_fm_pt
existing force main symbol	e_fm_sym
existing force main text	e_fm_txt
gas utility lines	e_gas
point layer for gas symbols	e_gas_pt
gas utility symbols	e_gas_sym
gas utility text	e_gas_txt
sanitary utility lines	e_san
point layer for sanitary symbols	e_san_pt
sanitary symbols	e_san_sym
sanitary utility text	e_san_txt
storm utility lines	e_stm

point layer for storm symbols	e_stm_pt
storm symbols	e_stm_sym
storm utility text	e_stm_txt
telephone lines	e_tel
point layer for telephone symbols	e_tel_pt
telephone symbols	e_tel_sym
telephone utility text	e_tel_txt
misc. utility lines	e_util
point layer for misc. utility symbols	e_util_pt
misc. utility symbols	e_util_sym
misc. utility text	e_util_txt
water main utility lines	e_wm
point layer for water main structure symbols	e_wm_pt
water main structure symbols	e_wm_sym
water main text	e_wm_txt
proposed cable lines	p_cable
proposed cable symbol	p_cable_sym
proposed cable text	p_cable_txt
proposed electric lines	p_elec
proposed electric symbol	p_elec_sym
proposed electric text	p_elec_txt
proposed force main	p_fm
proposed force main text	p_fm_txt
proposed gas lines	p_gas
proposed gas symbol	p_gas_sym
proposed gas text	p_gas_txt
proposed jack & bore	p_jbore
proposed jack & bore text	p_jbore_txt
proposed sanitary	p_san
proposed sanitary symbol	p_san_sym
proposed sanitary text	p_san_txt
proposed storm	p_stm
proposed storm text	p_stm_txt
proposed storm symbol	p_stm_sym
proposed structure text	p_*str_txt
proposed telephone lines	p_tel
proposed telephone symbol	p_tel_sym
proposed telephone text	p_tel_txt
proposed underdrain	p_udrain
proposed underdrain text	p_udrain_txt
proposed water main	p_wm
proposed water main symbol	p_wm_sym
proposed water main text	p_wm_txt
*insert the utility name here (stm, san, wm etc)	

Miscellaneous

existing dimensions	e_dim
layers to be frozen	freeze
hatch boundaries	hatch_bound
proposed building dimension	p_bldg_dim
proposed building	p_bldg
proposed building hatch	p_bldg_hatch
proposed building text	p_bldg_txt
proposed major contours	p_conmaj
proposed minor contours	p_conmin
proposed contour text	p_cont_txt
proposed dimensions	p_dim
point layer for proposed grades	p_grade_pt
proposed elevations	p_grade_txt
proposed grading limit line	p_gradlmt
proposed grading limit dimension	p_gradlmt_dim
proposed grading limit text	p_gradlmt_txt
proposed guardrail	p_grail
proposed parking lot text	p_park_txt
proposed signs	p_sign_sym
proposed tree symbol	p_tree_sym
proposed wall	p_wall
soil boring symbol	sb_sym
soil boring text	sb_txt
viewports	vp

Description**Layer name****Drainage**

drainage arrows	p_drain_sym
proposed ditch	p_ditch
proposed ditch text	p_ditch_txt
proposed drainage area text	p_drainage_txt
erosion control structures (inlet filter)	p_eroctrl_sym
erosion control text	p_eroctrl_txt
proposed silt fence	p_silt
drainage area boundaries	p_drainage

Description**Layer name****Profiles**

existing centerline of structures	e_prf_cl
-----------------------------------	----------

existing ground center	e_prf_grndc
existing ground center elevations	e_prf_grndc_txt
existing ground left	e_prf_grndl
existing ground left elevations	e_prf_grndl_txt
existing ground right	e_prf_grndr
existing ground right elevations	e_prf_grndr_txt
existing sanitary	e_prf_san
existing sanitary structure	e_prf_san_sym
existing sanitary text	e_prf_san_txt
existing storm	e_prf_stm
existing storm structure	e_prf_stm_sym
existing storm text	e_prf_stm_txt
existing text	e_prf_txt
existing water main	e_prf_wm
existing water main structures	e_prf_wm_sym
existing water main text	e_prf_wm_txt
proposed centerline of structures	p_prf_cl
proposed ditch text	p_prf_ditch_txt
proposed ditch, left	p_prf_ditchl
proposed ditch, right	p_prf_ditchr
proposed ground center	p_prf_grndc
proposed ground center text	p_prf_grndc_txt
proposed ground left	p_prf_grndl
proposed ground left text	p_prf_grndl_txt
proposed ground right	p_prf_grndr
proposed ground right text	p_prf_grndr_txt
proposed sanitary	p_prf_san
proposed sanitary structure	p_prf_san_sym
proposed sanitary text	p_prf_san_txt
proposed storm	p_prf_stm
proposed storm structure	p_prf_stm_sym
proposed storm text	p_prf_stm_txt
proposed structure labels	p_prf_str_txt
proposed text	p_prf_txt
proposed water main	p_prf_wm
proposed water main structure	p_prf_wm_sym
proposed water main text	p_prf_wm_txt
grid base	prf_base
grid elevations	prf_elev
profile grid lines	prf_grid
grid stations	prf_sta

Description

Layer name

Existing topography

building lines

e_bld

building hatch	e_bld_hatch
existing building point	e_bld_pt
building text	e_bld_txt
existing building dimension	e_bld_dim
road centerline	e_cl
existing centerline point	e_cl_pt
existing contours (major)	e_conmaj
existing contours (minor)	e_conmin
point layer for cultural symbols	e_cult_pt
cultural symbols (e.g. mailboxes)	e_cult_sym
auto offset text	e_cult_txt
existing culvert	e_culv
existing culvert point	e_culv_pt
existing culvert symbol	e_culv_sym
curb	e_curb
existing curb point	e_curb_pt
ditch centerline	e_ditch
existing ditch point	e_ditch_pt
driveways	e_dw
existing driveway point	e_dw_pt
edge of asphalt	e_eoa
existing asphalt hatch	e_eoa_hatch
existing edge of asphalt point	e_eoa_pt
existing edge of brick	e_eobr
existing edge of brick point	e_eobr_pt
existing brick hatch	e_eobr_hatch
edge of concrete	e_eoc
existing concrete hatch	e_eoc_hatch
existing edge of concrete point	e_eoc_pt
edge of gravel	e_eog
existing gravel hatch	e_eog_hatch
existing edge of gravel point	e_eog_pt
existing edge of other	e_eoo
existing edge of other hatch	e_eoo_hatch
existing edge of other point	e_eoo_pt
fence lines	e_fence
existing fence point	e_fence_pt
fence symbols	e_fence_sym
existing face of curb	e_foc
guardrail lines	e_grail
existing guardrail point	e_grail_pt
guardrail symbol	e_grail_sym
existing pavement marking	e_pm
point layer for rock symbols	e_rock_pt
rock symbol	e_rock_sym
existing railroad line	e_rr
existing railroad point	e_rr_pt
existing railroad symbol	e_rr_sym

road shoulder	e_shldr
road shoulder point	e_shldr_pt
shrub line	e_shrub
point layer for shrub symbols	e_shrub_pt
shrub symbols	e_shrub_sym
point layer for sign symbols	e_sign_pt
sign symbols	e_sign_sym
top and bottom of banks or slopes	e_topo
point layer for e_topo	e_topo_pt
annotations (e.g. conc., edge/asph. Etc.)	e_topo_txt
tree lines	e_tree
point layer for tree symbols	e_tree_pt
tree symbols	e_tree_sym
existing landscaping or planted areas	e_veg
existing vegetation point	e_veg_pt
sidewalk	e_walk
existing sidewalk hatch	e_walk_hatch
existing sidewalk point	e_walk_pt
wall	e_wall
existing wall text	e_wall_pt
existing wetland	e_wtlnd
existing wetland hatch	e_wtlnd_hatch
existing wetland point	e_wtlnd_pt
edge of water	e_wtr
existing water hatch	e_wtr_hatch
existing edge of water point	e_wtr_pt

Description

Layer name

Proposed design

proposed asphalt	p_eoa
proposed back of curb	p_boc
proposed road centerline	p_cl
proposed concrete	p_eoc
proposed face of curb	p_foc
proposed shoulder	p_eos
proposed walk	p_walk

Description

Layer name

Staging

proposed stage lines	p_stage
proposed staging dimensions	p_stage_dim
proposed staging hatch	p_stage_hatch

stage symbols (signs, arrows, barrels etc.)
 proposed staging text
 Note: for multiple stages add 1, 1 a. 2, 2a etc
 I.e. p_stage1a p_stage2 etc.

p_stage_sym
 p_stage_txt

Description

Layer name

PMS

proposed pavement markings
 proposed pavement marking dimensions
 proposed pavement marking symbols
 proposed pavement marking text
 proposed sign symbol
 proposed sign text

p_pm
 p_pm_dim
 p_pm_sym
 p_pm_txt
 p_sign_sym
 p_sign_txt

Description

Layer name

Removal

proposed removal lines
 proposed removal hatch
 proposed removal symbols
 proposed removal text

p_rem
 p_rem_hatch
 p_rem_sym
 p_rem_txt

Description

Layer name

Details

existing or lightweight object lines
 interior medium weight object lines
 heavy object lines
 detail center lines
 existing detail dimensions
 existing detail text
 hidden object lines
 detail notes
 proposed detail dimensions
 proposed detail text
 detail subtitle
 detail title
 detail hatch
 detail section lines

d_det_1
 d_det_3
 d_det_5
 d_det_cen
 d_det_edim
 d_det_etxt
 d_det_hid
 d_det_notes
 d_det_pdim
 d_det_ptxt
 d_det_sub
 d_det_title
 d_det_hatch
 d_det_sec

Description**Survey**

aerial control points
aerial control text
point layer for benchmarks
benchmark symbols
benchmark text
existing boundary line
existing boundary dimension
existing boundary point
existing boundary symbol
existing boundary text
existing bridge line
existing bridge hatch
existing bridge point
control:traverse & benchmark lines
control:traverse & benchmark points
control:traverse & benchmarks symbols
control:traverse & benchmarks text
existing easement
existing easement dimensions
existing easement text
existing road easement
existing road easement dimension
existing road easement text
existing sanitary easement
existing sanitary easement dimension
existing sanitary easement text
existing storm easement
existing storm easement dimension
existing storm easement text
existing water easement
existing water easement dimension
existing water easement text
existing lots
existing lot dimension
existing lot text
point layer for monument symbols
monument symbols
monument text
existing property iron symbol
existing property iron text
section lines
existing row dimension
existing row text
section line text

Layer name

e_actrl
e_ctrl_txt
e_bm_pt
e_bm_sym
e_bm_txt
e_bndy
e_bndy_dim
e_bndy_pt
e_bndy_sym
e_bndy_txt
e_brg
e_brg_hatch
e_brg_pt
e_ctrl
e_ctrl_pt
e_ctrl_sym
e_ctrl_txt
e_esmt
e_esmt_dim
e_esmt_txt
e_esmtrd
e_esmtrd_dim
e_esmtrd_txt
e_esmts
e_esmts_dim
e_esmts_txt
e_esmtstm
e_esmtstm_dim
e_esmtstm_txt
e_esmtwm
e_esmtwm_dim
e_esmtwm_txt
e_lot
e_lot_dim
e_lot_txt
e_mon_pt
e_mon_sym
e_mon_txt
e_prir_sym
e_prir_txt
e_secline
e_row_dim
e_row_txt
e_secline_txt
e_row

existing row	e_setbk
existing setback line	e_setbk_dim
existing setback dimension	e_setbk_txt
existing setback text	p_bndy
proposed boundary line	p_bndy_dim
proposed boundary dimension	p_bndy_txt
proposed boundary text	p_esmt
proposed easement	p_esmt_txt
proposed easement text	p_esmtgrad
proposed grading easement	p_esmtgrad_dim
proposed grading easement dimension	p_esmtgrad_txt
proposed grading easement text	p_esmtrd
proposed road easement	p_esmtrd_txt
proposed road easement text	p_esmts
proposed sanitary easement	p_esmts_txt
proposed sanitary easement text	p_esmtstm
proposed storm easement	p_esmtstm_txt
proposed storm easement text	p_esmttemgrad
proposed temporary grading easement	p_esmttemgrad_dim
proposed temp grading easement dimension	p_esmttemgrad_txt
proposed temp grading easement text	p_esmtwm
proposed water easement	p_esmtwm_txt
proposed water easement text	p_lot
proposed lot line	p_lot_dim
proposed lot dimension	p_lot_txt
proposed lot text	p_prir_sym
proposed property iron	p_prir_txt
proposed property iron text	p_row
proposed row	p_row_dim
proposed row dimension	p_row_txt
proposed row text	p_setbk
proposed setback	p_setbk_dim
proposed setback dimension	p_setbk_txt
proposed setback text	

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VILLAGE OF DEXTER
Dedication of Public Streets and Utilities

Upon the completed installation of streets and or water, sewer, storm utilities by a developer, the Village will consider the acceptance of the streets and utilities as public. The following is a checklist for the dedication process.

1. Inspections - Inspections for asphalt or concrete roads will be performed after construction of buildings are complete unless special arrangements are made and approved by the Village*(see page 2). Inspection of asphalt roads must be performed prior to placing the final wearing course. Prior to inspections of new roads, the developer shall provide copies of compaction testing, aggregate base thickness measurements, and asphalt thickness measurements. Verification that adequate inspection and testing of water and sewer mains occurred during the project will be necessary. This work is the responsibility of the developer, and the results will be submitted to the Village for review. After review, the Village Engineer, Utility Department, and the Department of Public Works shall conduct an on-site inspection. These procedures shall be documented as follows:

- a.) A letter from OHM stating that this step was completed, and that OHM supports this dedication.
- b.) A letter from Utility Superintendent stating that this step was completed, and that he/she supports dedication.
- c.) A letter from the DPW Superintendent stating that this step was completed, and that he/she supports dedication.

2. Maintenance/Repair – if any problems are identified by the on-site inspection and or the review of the test or roadway data, the developer must correct these problems before the process can continue. Once all problems have been corrected, the wearing course for asphalt roads is placed.

3. Survey - Sealed Engineer's drawings of the roadway sections and underground utilities being dedicated as public in each new development shall be provided to the Village by the developer, along with a written description of the streets.

4. Maintenance and Guarantee Bond - A two-year Maintenance and Guarantee Bond in the amount equal to one half of the cost of construction of the utilities, roadway pavement, sidewalks, curb, gutter, water mains, sanitary sewers and storm drains shall be posted by the developer with the Village. The amount of this bond will be based on either the signed contract for the work or on an estimate by a professional engineer. The basis of the bond amount shall be submitted to the Village for review prior to the posting of the Maintenance and Guarantee Bond. An extended term on the Bond will be required for developments in which less than 100% of the buildings are constructed. Details of this requirement appear on page 2 under special arrangements.

4. Review and approval of Dedication by Legal Counsel. Legal Counsel will review the dedication documents and provide support for the dedication, prior to Village Council accepting dedication.

5. Resolution by Village Council - After all required information has been provided and reviewed by the Village; the Village Council will consider a resolution to accept public infrastructure and streets. This resolution must accompany the Act 51 application, which will be completed by the Village Street Administrator.

***Special arrangements:** The Village will ordinarily not accept streets until construction of all buildings is substantially complete, so that heavy construction vehicles do not destroy the integrity of the new streets. Many developers install all but the wearing course of asphalt during construction. When they are ready to dedicate the streets, they lay the final wearing course.

If a developer desires to dedicate prior to the completion of construction of all buildings, the developer may request that the Village accept early dedication. In such cases, the developer must agree to extend the term of the Maintenance and Guarantee Bond according to the schedule below. The Village Council may waive the necessity of an extended term, impose additional conditions, or refuse to accept dedication.

If, Council accepts dedication prior to substantial completion of home construction on the site, the developer will be required to maintain the roadways until 50% of the homes are built. It is understood that maintenance will include snow removal and salting as well as general maintenance and upkeep of the roadways.

The Village Engineer shall inspect the site prior to the expiration of the Maintenance and Guarantee Bond, and report to the Village the condition of the roadway/appurtenances.

100% Complete	2-Year Bond
90% to 99% Complete	3-Year Bond
80% to 89% Complete	4-Year Bond
70% to 79% Complete	5-Year Bond
60% to 69% Complete	6-Year Bond
50% to 59% Complete	7-Year Bond
Anything under 50%	8-Year Bond

The Village retains the right to withhold dedication for sites less than 50% complete.

The developer will be required to provide documentation of the number of lots, vacant and built as part of the dedication submittal. The developer may request to replace the initial Bond for a reduced term, if 100% of the site is completed and more than 2-years remain on the initial bond term.

Appendix D:

Sample Easements and Agreements

WATER MAIN EASEMENT

KNOW ALL MEN BY THESE PRESENTS, that _____, whose address is _____, (hereinafter referred to as “Grantor”), being title holder to the following described parcel of land, to wit:

Description of Parcel: (Include address of parcel)

Tax Identification Number: _____

for and in consideration of One (\$1.00) Dollar, receipt of which is hereby acknowledged, does hereby grant and convey to the _____, a Michigan Municipal Corporation, whose address is _____, (hereinafter referred to as “Grantee”), a perpetual easement for a water main, over, upon, across, in, through, and under the following described real property to wit:

Easement Description

and to enter upon sufficient land adjacent to said water main easement for the purpose of exercising the rights and privileges granted herein.

Grantee may install, repair, replace and maintain water main lines, and all necessary appurtenances thereto, within the easement herein granted.

Grantee will not be responsible for replacing pavement, trees or any other physical objects within the easement herein granted.

Grantor agrees not to build or to convey to others permission to build any permanent structures on the above-described easement.

The premises so disturbed by reason of the exercise of any of the foregoing powers, rights and privileges, shall be reasonably restored to its prior condition by Grantee.

This instrument shall be binding upon and inure to the benefit of the parties hereto, their heirs, representatives, successors and assigns.

IN WITNESS WHEREOF, the undersigned Grantor(s) has affixed

signature (s) this _____ day of _____ A.D., 20_____.

CORPORATION: _____
Name

By: _____
Signature

Its: _____
Printed Name & Title

By: _____
Signature

Its: _____
Printed Name & Title

STATE OF MICHIGAN)
)SS
COUNTY OF)

On this _____ day of _____ A.D., 20____, before me, a Notary Public in and for said County, appeared _____ and _____ to me known personally known, who, being by me duly sworn, did each for himself say that they are respectively the _____ and _____ of _____ the corporation named in and which executed the within instrument, and that the seal affixed to said instrument was signed and sealed in behalf of said corporation by authority of its board of directors; and acknowledged said instrument to be the free act and deed of said corporation.

Notary Public, _____ County, MI

My commission expires _____

This instrument drafted by:

Tax Identification Number: _____

WHEN RECORDED RETURN A COPY TO:

Village of Dexter
Attn: Village Manager
8140 Main St
Dexter, MI 48130

ORCHARD, HILTZ & McCLIMENT, INC.
34000 Plymouth Road
LIVONIA, MI 48150

SANITARY EASEMENT

KNOW ALL MEN BY THESE PRESENTS, that _____, whose address is _____, (hereinafter referred to as "Grantor"), being title holder to the following described parcel of land, to wit:

Description of Parcel: (Include address of parcel)

Tax Identification Number: _____

for and in consideration of One (\$1.00) Dollar, receipt of which is hereby acknowledged, does hereby grant and convey to the _____, a Michigan Municipal Corporation, whose address is _____, (hereinafter referred to as "Grantee"), a perpetual easement for a sanitary sewer, over, upon, across, in, through, and under the following described real property to wit:

Easement Description

and to enter upon sufficient land adjacent to said sanitary easement for the purpose of exercising the rights and privileges granted herein.

Grantee may install, repair, replace and maintain sanitary lines, and all necessary appurtenances thereto, within the easement herein granted.

Grantee will not be responsible for replacing pavement, trees or any other physical objects within the easement herein granted.

Grantor agrees not to build or to convey to others permission to build any permanent structures on the above-described easement.

The premises so disturbed by reason of the exercise of any of the foregoing powers, rights and privileges, shall be reasonably restored to its prior condition by Grantee.

This instrument shall be binding upon and inure to the benefit of the parties hereto, their heirs, representatives, successors and assigns.

IN WITNESS WHEREOF, the undersigned Grantor(s) has affixed
signature (s) this _____ day of _____ A.D., 20

CORPORATION: _____
Name

By: _____
Signature

Its: _____
Printed Name & Title

By: _____
Signature

Its: _____
Printed Name & Title

STATE OF MICHIGAN)
)SS
COUNTY OF)

On this _____ day of _____ A.D., 20____, before me, a Notary Public in and for said
County, appeared _____ and _____
to me known personally known, who, being by me duly sworn, did each for himself say that they are
respectively the _____ and _____ of
_____ the corporation named in and which executed the within
instrument, and that the seal affixed to said instrument was signed and sealed in behalf of said corporation
by authority of its board of directors; and acknowledged said instrument to be the free act and deed of said
corporation.

Notary Public, _____ County, MI

My commission expires _____

This instrument drafted by:

Tax Identification Number: _____

WHEN RECORDED RETURN A COPY TO:
Village of Dexter
Attn: Village Manager
8140 Main St
Dexter, MI 48130

ORCHARD, HILTZ & McCLIMENT, INC.
34000 Plymouth Road
LIVONIA, MI 48150

ACCESS EASEMENT

KNOW ALL MEN BY THESE PRESENTS, that _____,
whose address is _____, (hereinafter referred to as
“Grantor”), being title holder to the following described parcel of land, to wit:

Description of Parcel: (Include address of parcel)

Tax Identification Number: _____

for and in consideration of One (\$1.00) Dollar, receipt of which is hereby acknowledged, does hereby grant and convey to the _____, a Michigan Municipal Corporation, whose address is _____, (hereinafter referred to as “Grantee”), a perpetual easement for an access easement, over, upon, across, in, through, and under the following described real property to wit:

Easement Description

and to enter upon sufficient land adjacent to said access easement for the purpose of exercising the rights and privileges granted herein.

Grantee may install, repair, replace and maintain access easement and all necessary appurtenances thereto, within the easement herein granted.

Grantor agrees not to build or to convey to others permission to build any permanent structures on the above-described easement.

The premises so disturbed by reason of the exercise of any of the foregoing powers, rights and privileges, shall be reasonably restored to its prior condition by Grantee.

The Grantee shall indemnify and hold harmless the Grantor from any and all liability for personal property damage and/or any and all damages and/or injuries resulting from the Grantee’s construction, use, maintenance and/or repair of the access easement, except any injuries and/or damages caused by the negligence of the Grantor.

This instrument and the rights and obligations contained herein shall run with the land described herein and shall be binding upon and inure to the benefit of the parties hereto, their heirs, representatives, successors and assigns.

IN WITNESS WHEREOF, the undersigned Grantor(s) has affixed
signature (s) this _____ day of _____ A.D., 20_____.

CORPORATION: _____
Name

By: _____
Signature

Its: _____
Printed Name & Title

By: _____
Signature

Its: _____
Printed Name & Title

STATE OF MICHIGAN)
)SS
COUNTY OF)

On this _____ day of _____ A.D., 20____, before me, a Notary Public in and for said
County, appeared _____ and _____
to me known personally known, who, being by me duly sworn, did each for himself say that they are
respectively the _____ and _____ of
_____ the corporation named in and which executed the within
instrument, and that the seal affixed to said instrument was signed and sealed in behalf of said corporation
by authority of its board of directors; and acknowledged said instrument to be the free act and deed of said
corporation.

Notary Public, _____ County, MI
My commission expires _____

This instrument drafted by:

Tax Identification Number: _____

WHEN RECORDED RETURN A COPY TO:
Village of Dexter
Attn: Village Manger
8140 Main St
Dexter, MI 48130

ORCHARD, HILTZ & McCLIMENT, INC.
34000 Plymouth Road
LIVONIA, MI 48150

MAINTENANCE AND GUARANTEE BOND

Bond No. _____

KNOW ALL MEN BY THESE PRESENTS, That _____

_____ as Principal, and _____

as Surety, are held and firmly bound unto the Village of Dexter, a Michigan Municipal Corporation, whose address is 8140 Main Street, Dexter, Michigan 48130, the sum of

_____ Dollars (\$ _____) good and lawful money of the United States of America, to be paid to the Village of Dexter, its legal representatives and assigns, for which payment well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, and each and every one of them jointly and severally, firmly by these presents.

Sealed with our seals and dated this ____ day of _____ A.D. 20____.

WHEREAS, the above named Principal has entered into a certain written contract with

_____ dated this _____ day of _____, A.D. 20 ____, wherein the said Principal covenanted and agreed as follows, to-wit:

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION It is SUCH, that and the above named Principal has agreed with the Village of Dexter that for a period of 2 years from date of above projects acceptance by the Village, to keep in good order and repair any defect in all work done under said contract either by the Principal or his sub-contractors, or his material suppliers, that may develop during said period due to improper materials, defective equipment, workmanship or arrangements, and any other work affected in making good such imperfections, shall also be made good all without expense to the Village, and that whenever directed to do so by the Village of Dexter by notice served in writing, either personally or by mail, on the Principal at _____

_____ or legal representatives, or successors, or on the Surety at _____

WILL PROCEED at once to make such repairs as directed by the Village; and in case of failure so to do within one week from the date of service of such notice, or within reasonable time not less than one week, as shall be fixed in said notice, then the Village of Dexter shall have the right to purchase such materials and employ such labor and equipment as may be necessary for the purpose, and to undertake, do and make such repairs and charge the expense thereof to, and receive same from, said Principal or Surety. If any repair is necessary to be made at once to

protect life and property, then and in that case, the Village of Dexter may take immediate steps to repair or barricade such defects without notice to the contractor. In such accounting the Village of Dexter shall not be held to obtain the lowest figures for the doing of the work, or any part thereof, but all sums actually paid therefore shall be charged to the Principal or Surety. In this connection the judgment of the Village of Dexter is final and conclusive. If the said Principal for a period of 2 years from the date of acceptance by the Village of Dexter, shall keep said work so constructed under said contract in good order and repair, excepting only such part or parts of said work which may have been disturbed without the consent or approval of said Principal after final acceptance of same, and shall whenever notice is given as hereinbefore specified, at once proceed to make repair as in said notice directed, or shall reimburse the Village of Dexter for any expense incurred by making such repairs, should the Principal or Surety fail to do as hereinbefore specified, and shall fully indemnify, defend and save harmless the said Principal and Orchard, Hiltz & McCliment, Inc. from all suits and actions for damages of every name and description brought or claimed against it for, or on account of, any injury or damage to person or property received or sustained by any party or parties, by or from any of the acts or omissions or through the negligence of said Principal, servants, agents or employees, in the prosecution of the work included in said contract, and from any and all claims arising under the Workman's Compensation Act, so-called, of the State of Michigan, then the above obligation shall be void, otherwise to remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have caused this instrument to be executed by their respective authorized officers this _____ day of _____ A.D., 20____.

Signed, Sealed and Delivered
in the Presence of:

VILLAGE OF DEXTER

AGREEMENT FOR STORM WATER DETENTION
AND DISCHARGE RESTRICTION SYSTEM

THIS AGREEMENT is made this _____ day of _____, 20____, by and between _____,
whose address is _____,
(hereinafter "Owner"), and the Village of Dexter, a Municipal Corporation organized and existing under the laws of the State of Michigan, whose address is 8140 Main Street, Dexter, Michigan, (hereinafter "Village").

WITNESSETH:

WHEREAS, Owner owns certain real property located in the Village of Dexter, Washtenaw County, Michigan, as more particularly described in Exhibit "A", the approved final site plan, attached hereto and made a part hereof, on which the Owner intends to develop _____.

Whereas, Owner has received all necessary site approvals for said development from the Village, and now seeks to obtain approval of the construction plans from the Village and

WHEREAS, to facilitate approval of the final construction plans, the Village and Owner wish to enter into an Agreement for the benefit of said property regarding the construction and maintenance of a storm water retention and discharge system (part of the surface water drainage system necessary to facilitate this development, as indicated on the plan of grading and storm drainage) on the real property particularly described in Exhibit "B", the legal description of the subject property, attached hereto and made a part hereof (such property and improvements hereinafter referred to collectively as "Detention System").

NOW, THEREFORE, in consideration of the foregoing and of the final approval of the construction plans by Village of Dexter and of the mutual covenants contained herein, and parties hereto agree as follows:

1. Owner shall construct and continually maintain the Detention System on the real property described in Exhibit "B", in accordance with plans previously submitted to and approved by the Village and in compliance with all applicable state and local laws, which system shall be utilized for drainage and/or water retention as approved by the Village. Reference is made to the plans for (type of detention) _____, prepared by _____ and dated _____ and approved by the Village of Dexter Department of Public Works.
2. All landscaping, planting or other items on the entire site, Exhibit "A", shall be placed and continually maintained so as not to interfere, impede, or obstruct the flow of water and/or the purpose of the said system.
3. Owner hereby conveys to the Village an easement over, on and in the property described in Exhibit "B", attached hereto and made a part hereof, which easement shall be for the purpose of access to the Detention and Discharge System for the maintenance, renovation, and repair thereof should the Owner fail to properly maintain same after notice to do so from the Village.

4. In the event that the Owner shall at any time fail to maintain the Detention and Discharge System in reasonable order and condition, the Village may serve written notice upon the Owner at the address as shown on the Village tax rolls setting forth the manner in which the Owner has failed to maintain the Detention and Discharge System in reasonable condition and said notice shall include a demand that deficiencies of maintenance be cured within a reasonable time as stated therein. If the deficiencies set forth in the original notice or in the modifications thereof shall not be cured within said time limits of any extension thereof, the Village, in order to preserve the taxable values of the subject property and to prevent the Detention and Discharge System for becoming a public or private nuisance, may enter upon said System and may repair and maintain the same. Said repair and maintenance by the Village shall not constitute a taking of the said System nor vest in the public any right to use the same. The cost of such repair and/or maintenance by the Village, including reasonable administrative costs, shall be assessed against the property described on Exhibit "A" on the same basis as Village taxes are assessed, and shall become a lien on said property. Said costs may be collected in the same manner as Village taxes are collected. The Village at the time of entering upon said Detention and Discharge System for the purpose of repair and/or maintenance may file a notice of lien in the office of the Register of Deeds of the County of Washtenaw upon the property affected by the lien. If said costs are not paid by the Owner, the Village may pursue the collection of same through appropriate court actions and in such case the Owner shall pay in addition to said costs all costs of litigation, including attorney fees.

5. Owner agrees that this Agreement shall be recorded and that the land described on Exhibit "A" shall be subject to the covenants and obligations contained herein, and the covenants and obligations shall inure to the benefit of and be enforceable by the Village, or the owner and/or their respective legal representatives, heirs, successors, and assigns.

6. Invalidation of any one of these covenants and restrictions by judgment or court order shall in no way affect the validity of any other provisions, which shall remain in full force and effect.

7. The parties whose signatures appear below, hereby represent and warrant that they have the authority and capacity to sign this agreement and bind the respective parties hereto.

IN WITNESS WHEREOF, the parties hereto have set their hands and seals at the Village of Dexter, Washtenaw County, Michigan, on the date above written.

Witnesses by: Owner

_____ By: _____

_____ By: _____

VILLAGE OF DEXTER
a Michigan Municipal Corporation

_____ By: _____

President

_____ By: _____

Village Clerk

STATE OF MICHIGAN)
)SS.
COUNTY OF)

The foregoing instrument was acknowledged before me this _____ day of _____, 20____, by _____, and _____.

Notary Public
_____ County, Michigan
My commission expires: _____

STATE OF MICHIGAN)
)SS.
COUNTY OF)

The foregoing instrument was acknowledged before me this _____ day of _____, 20____, by _____, Village President, and _____, Village Clerk, of the Village of Dexter, a Michigan Municipal Corporation, on behalf of the Village.

Notary Public
_____ County, Michigan
My commission expires: _____

