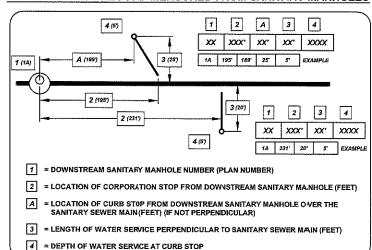
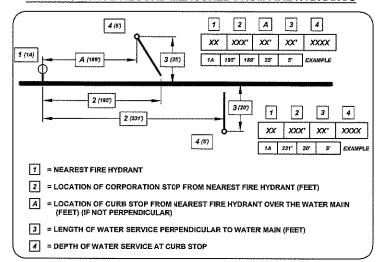
### CITY OF GOSHEN STANDARD MISC. DETAILS

	SECTION 100 MISC. DETAILS
MC-101	RECORD DRAWINGS
MC-102	HORIZONTAL AND VERTICAL UTILITY SEPARATION
MC-103	VALVE BOX ADJUSTMENT PATCH
MC-104	MILLING AT PAVEMENT TRANSITION
MC-105	AGGREGATE SHOULDER
MC-106	DECORATIVE STREET LIGHT
MC-107	DECORATIVE STREET LIGHT FOUNDATION
MC-108	DECORATIVE STREET LIGHT H-PANEL
MC-109	TREE PLANTING

### WATER SERVICE RECORD MEASURED FROM SANITARY MANHOLES

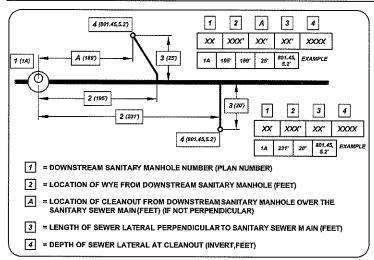


### WATER SERVICE RECORD MEASURED FROM FIRE HYDRANTS



### PLACE THE APPROPRIATE ABOVE DETAIL(S) ON EACH RECORD DRAWING SHEET

### LATERAL SERVICE RECORD MEASURED FROM SANITARY MANHOLES



STREET ADDRESS P.O. BOX NUMBER CITY, STATE, ZIP CODE PHONE NUMBER

CONTRACTOR SUPERINTENDENT: SUPERINTENDENT'S NAME

CONTRACTOR'S NAME

YEAR COMPLETED: MOUTH YEAR

PROJECT INSPECTOR: INSPECTOR'S NAME

PLACE ON COVER SHEET

CONTRACTOR:

# The City Of Goshen

Department of Public Works & Safety
Office of Engineering

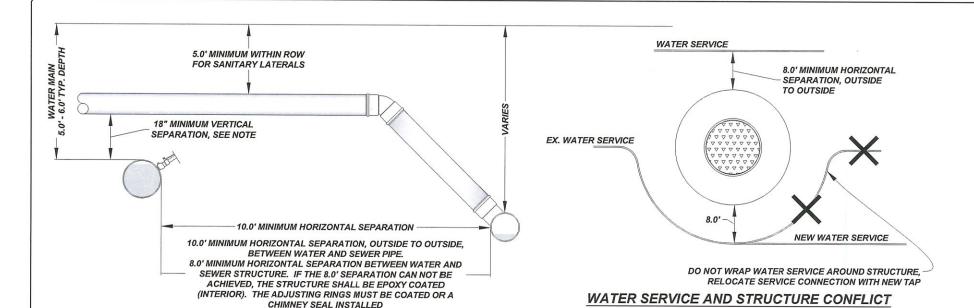
204 East Jefferson, Suite 1 Street, Goshen, Indiana 46528 Phone: 574-534-2201 Fax: 574-533-8626 Web: goshenindiana.org

Date Approved By The City Of Goshen Board Of Public Works & Safety and Approved Revisions						

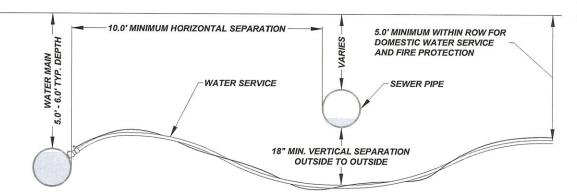
CITY OF GOSHEN, INDIANA STANDARD DETAIL Drafted By: Approved By:

J. Hoffman Drawing Number:

MC-101



### WATER MAIN AND SEWER LATERAL



### WATER SERVICE AND SEWER PIPE SEPARATION

#### NOTES:

- 1. WATER MAIN AND WATER SERVICE SEPARATION REQUIREMENTS:
  - -10.0' HORIZONTAL SEPARATION FROM STORM PIPE, SANITARY PIPE AND SEWER LATERAL. MEASURED FROM OUTSIDE PIPE EDGES
  - -8.0' HORIZONTAL SEPARATION FROM SEWER STRUCTURE
    MEASURED FROM OUTSIDE EDGE OF STRUCTURE TO OUTSIDE OF
    PIPE
  - -18" VERTICAL SEPARATION FROM SEWER. MEASURED FROM OUTSIDE PIPE EDGES. IF 18" OF VERTICAL SEPARATION CANNOT BE ACHIEVED DUE TO EXISTING CONDITIONS, CHANGE THE SEWER PIPE MATERIAL TO AN APPROVED PRESSURE GRADE MATERIAL AT THE PIPE CROSSING. USE A FULL SECTION OF PIPE CENTERED AT THE CROSSING TO PLACE JOINTS AS FAR AWAY FROM THE CROSSING PIPE. A MINIMUM OF 6" OF VERTICAL SEPARATION REQUIRED NO MATTER THE MATERIAL TYPE. VERTICAL SEPARATION BETWEEN 6" TO 12" WILL REQUIRE A FLOWABLE FILL PIPE SADDLE. SEE DETAIL
- 2. IF THESE SEPARATION REQUIREMENTS CANNOT BE MET, A CHANGE OF MATERIAL TYPE, CASING OR INTERIOR EPOXY COATING OF STRUCTURE WILL BE REQUIRED. CITY OF GOSHEN ENGINEERING DEPARTMENT TO APPROVE METHOD USED PRIOR TO INSTALLATION
- WATER AND SEWER PIPES SHALL CROSS AT NO LESS THAN 45
  DEGREES, ELSE THEY ARE CONSIDERED PARALLEL PIPES REQUIRING
  10' OF HORIZONTAL SEPARATION

# The City Of Goshen

Department of Public Works & Safety Office of Engineering

204 East Jefferson, Suite 1 Street, Goshen, Indiana 46528 Phone: 574-534-2201 Fax: 574-533-8626 Web: goshenindiana.org

# HORIZONTAL AND VERTICAL UTILITY SEPARATION

NOT TO SCAL

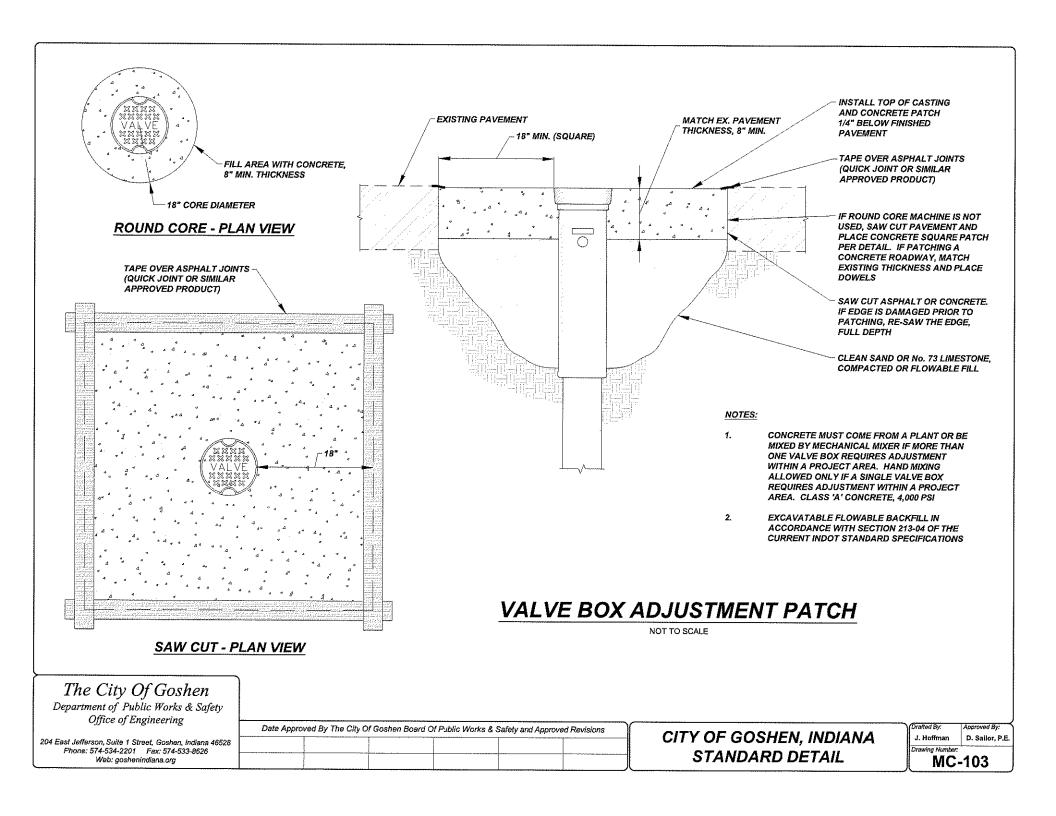
Date Approved By The City Of Goshen Board Of Public Works & Safety and Approved Revisions

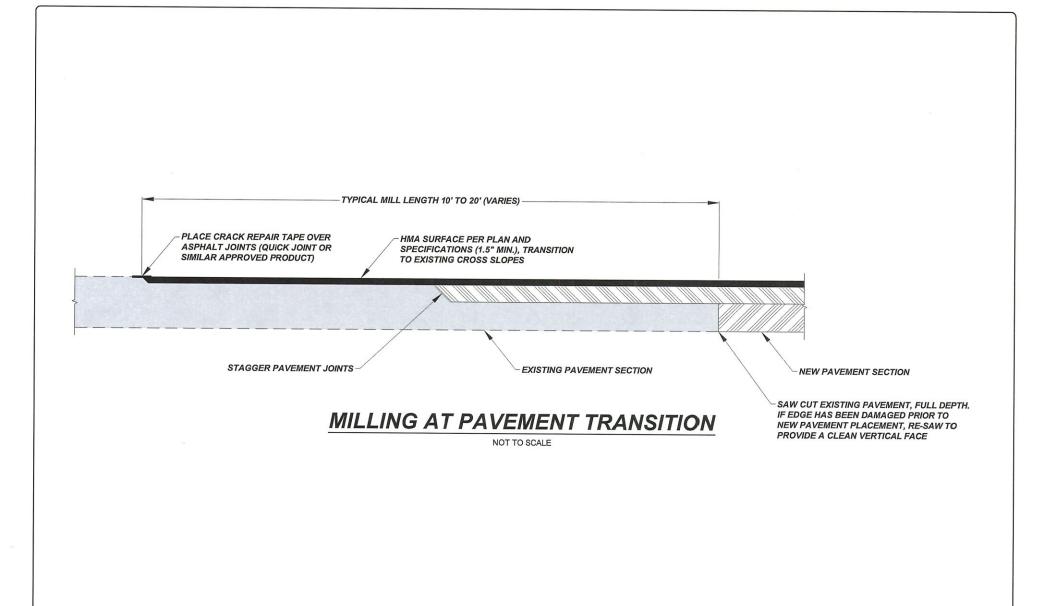
CITY OF GOSHEN, INDIANA STANDARD DETAIL Drafted By:

J. Hoffman

Drawing Number:

MC-102





# The City Of Goshen

Department of Public Works & Safety Office of Engineering

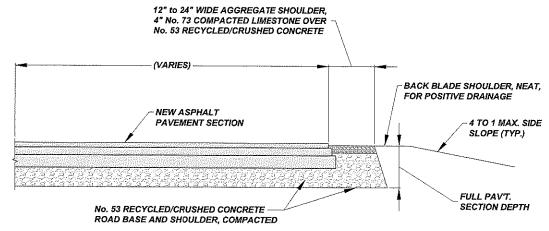
204 East Jefferson, Suite 1 Street, Goshen, Indiana 46528 Phone: 574-534-2201 Fax: 574-533-8626 Web: goshenindiana.org Date Approved By The City Of Goshen Board Of Public Works & Safety and Approved Revisions

CITY OF GOSHEN, INDIANA STANDARD DETAIL Drafted By:

J. Hoffman

Drawing Number:

MC-104



### NOTES:

- 1. AGGREGATE SHOULDER SHALL SLOPE TOWARDS YARDS TO PROVIDE POSITIVE DRAINAGE FROM THE ROADWAY
- 2. PLACE ROADWAY AND AGGREGATE SHOULDER 1" TO 1.5" ABOVE EXISTING YARDS TO PREVENT PONDING ALONG ROADWAY. THIS MAY REQUIRE ADJUSTING THE ROADWAY PROFILE OR CUTTING DOWN THE YARD
- 3. THE CITY REPRESENTATIVE SHALL WORK WITH THE CONTRACTOR ON FINAL GRADES OF THE ROADWAY AND AGGREGATE SHOULDERS TO PROVIDE POSITIVE DRAINAGE AND MATCHING TO EXISTING DRIVEWAYS AND/OR PAVEMENT

# AGGREGATE SHOULDER

NOT TO SCALE

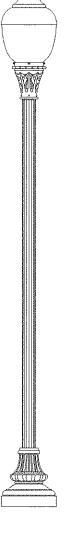
The City Of Goshen
Department of Public Works & Safety
Office of Engineering

204 East Jefferson, Suite 1 Street, Goshen, Indiana 46528 Phone: 574-534-2201 Fax: 574-533-8626 Web: goshenindiana.org

Date Ap	Date Approved By The City Of Goshen Board Of Public Works & Safety and Approved Revisions					
1/4/24/2						

CITY OF GOSHEN, INDIANA STANDARD DETAIL

_	<u></u>	
}	Drafted By:	Approved By:
- [	J. Hoffman	D. Sailor, P.E.
- [	Drawing Number:	
	MC-	105



FIXTURE SPECIFICATIONS				
AWDES P20 40K MVOLT CLF ALSLU B	K NF 20KV			
SERIES (AWDE3)	ACRYLIC WASHINGTON POSTLITE LED			
PERFORMANCE PACKAGE (P20)	40W LUMENS (NOMINAL), 6,000			
COLOR TEMPERATURE (40K)	4000K			
VOLTAGE (MVOLT)	120-277V			
HOUSING (CLF)	CLASSIC LEAF CASTING			
OPTICS (AL5LU)	TYPE V ACRYLIC LUNAR OPTIC			
FINISH (BK)	BLACK			
FINIAL (NF)	NO FINIAL			
SURGE PROTECTION (20KV)	20kV/10kA SURGE PROTECTION			

POLE AND BASE SPECIFICATIONS				
WDA 12 F4J 17D C03 BK LAB GRD RP135A				
SERIES (WDA)	WADSWORTH ALUMINUM POLE			
POLE HEIGHT (12)	12FT			
SHAFT STYLE (F4J)	SHAFT, 4 IN DIA. FLUTED, 0.25 WALL			
BASE DIAMETER (17D)	17IN BASE, DIAMOND PATTERN BOLT CIRCLE			
POLE TOP MOUNT (C03)	TENON, 3.00 O.D. X 3IN TALL			
FINISH (BK)	BLACK			
BASE MOUNT (LAB)	LESS ANCHOR BOLT			
GROUND (GRD)	1/2 COPPER GROUNDING LUG			
ELECTRICAL RECEPTACLE (RP135A)	RECEPTACLE WITH SMALL, IN-USE WET LOCATION COVER (BLACK)			

# **DECORATIVE STREET LIGHT**

NOT TO SCALE

The City Of Goshen

Department of Public Works & Safety
Office of Engineering

204 East Jefferson, Suite 1 Street, Goshen, Indiana 46528 Phone: 574-534-2201 Fax: 574-533-8626 Web: goshenindiana.org

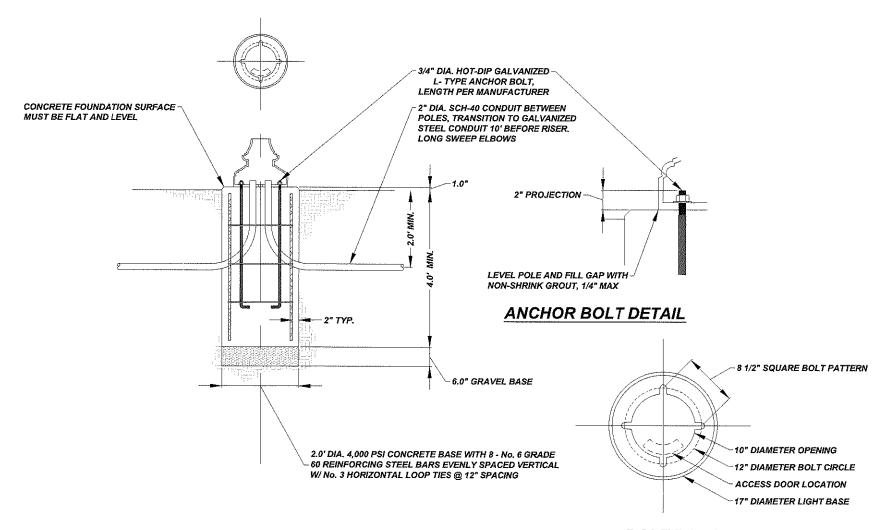
Date Approved By The City Of Goshen Board Of Public Works & Safety and Approved Revisions					
					•

CITY OF GOSHEN, INDIANA STANDARD DETAIL Drafted By: Approved By:

J. Hoffman D. Sailor, P.E.

Drawing Number:

MC-106



### **BOLT PATTERN DETAIL**

# **DECORATIVE STREET LIGHT FOUNDATION**

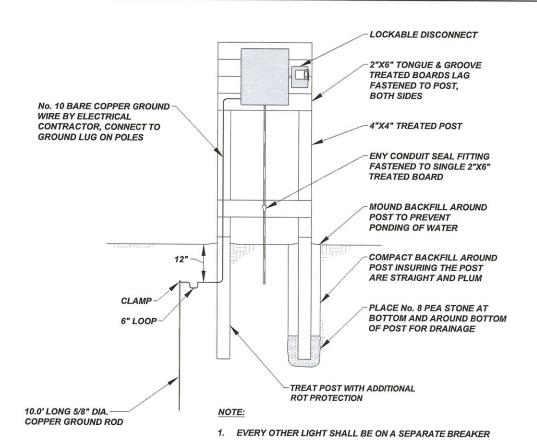
NOT TO SCALE

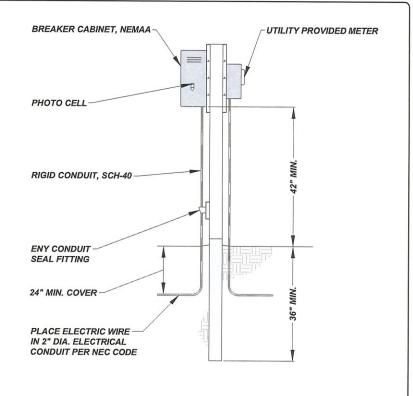
The City Of Goshen
Department of Public Works & Safety
Office of Engineering

204 East Jefferson, Suite 1 Street, Goshen, Indiana 46528 Phone: 574-534-2201 Fax: 574-533-8626 Web: goshenindiana.org

Date Approved By The City Of Goshen Board Of Public Works & Safety and Approved Revisions						

CITY OF GOSHEN, INDIANA STANDARD DETAIL Dratted By:
J. Hoffman
Drawing Number:
MC-107





# **DECORATIVE LIGHTS H-PANEL**

NOT TO SCALE

The City Of Goshen

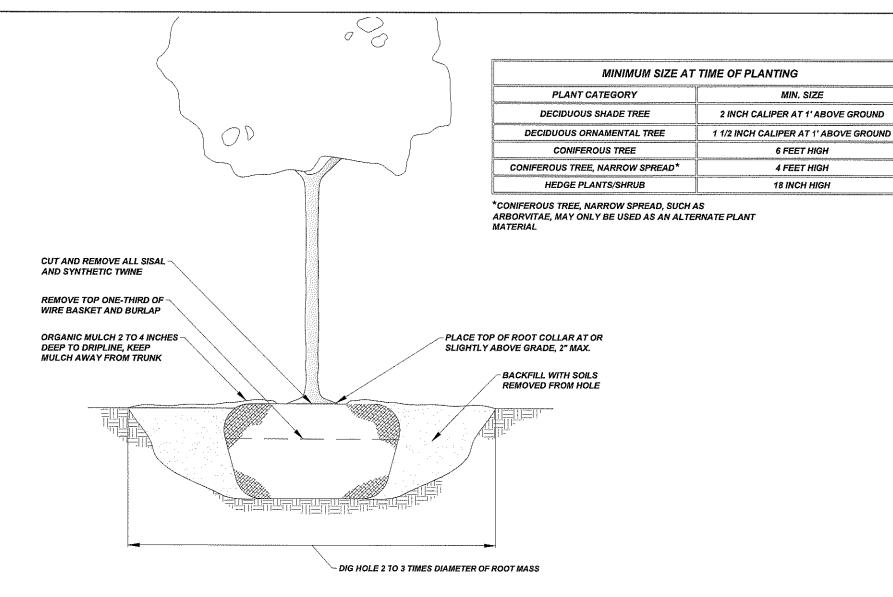
Department of Public Works & Safety
Office of Engineering

204 East Jefferson, Suite 1 Street, Goshen, Indiana 46528 Phone: 574-534-2201 Fax: 574-533-8626 Web: goshenindiana.org

Date Approved By The City Of Goshen Board Of Public Works & Safety and Approved Revisions					

CITY OF GOSHEN, INDIANA STANDARD DETAIL

Drafted By:	Approved By:
J. Hoffman	D. Sailor, P.E
Drawing Number	
( MC	-108



# TREE PLANTING

NOT TO SCALE

The City Of Goshen Department of Public Works & Safety Office of Engineering

204 East Jefferson, Suite 1 Street, Goshen, Indiana 46528 Phone: 574-534-2201 Fax: 574-533-8626 Web: goshenindiana.org

Date Approved By The City Of Goshen Board Of Public Works & Safety and Approved Revisions						
,						

CITY OF GOSHEN, INDIANA STANDARD DETAIL

MIN. SIZE

2 INCH CALIPER AT 1' ABOVE GROUND

6 FEET HIGH

4 FEET HIGH

18 INCH HIGH

J. Hoffman D. Sallor, P.E. Drawing Number:

MC-109