# SHELBYVILLE, INDIANA

## SHELBYVILLE CONSTRUCTION STANDARDS

#### DIRECTIONS FOR USE

- 1.) The Entire Set Of Signed Standards Shall Be Attached To The Site Development Plans And
- Details Prepared By Outside Sources Shall Not Be Included In The Construction Drawings When Said Details Cover Work Which Is Covered By Shelbyville Standards
- To Individual Standard Drawings For Coordination. However, The Standards Themselves Shall Not Be Modified In Any Way.
- 4.) Details Prepared By Outside Sources Covering Work Which Is Not Covered By Shelbyville Standards Are The Sole Responsibility Of The Design Engineer And Shall Be Placed On Sheets Other Than The
- 5.) For Details, Specifications, And Design Guidelines Not Covered In These Standards, Refer To The Documents Stated Below. In The Event That These Standards Are Used, Referenced, Or Incorporated Into Any Publicly Or Privately Funded Project And A Conflicting Standard(s) And/Or Specifications(s) Exist, The Following Order Shall Govern:

  5.1 Shelbyville Construction Standards
  5.2 City Of Shelbyville Unified Development Ordinance
  5.3 City Of Shelbyville Stormwater Design Manual
  5.4 INDOT Standards And Specifications / Indiana Manual On Uniform Traffic Control Devices / INDOT Work Zone Safety Manual.

  5.5 "Ten State Standards" Prepared By Great Lakes-Upper Mississippi River Board Of State

- 5.5 "Ten State Standards" Prepared By Great Lakes-Upper Mississippi River Board Of State 6 ASTM And/Or AWWA Standards And Specifications 7 Project's Written Specifications 8 Project's Plans
- 6.) Design Professional Certifying The Plans For The Project Acknowledges Their Professional Responsibility For Ensuring That All Work Is Correct, Accurate, And Complies With All Applicable Laws, Standards, Regulations, And Ordinances. If Such An Error And/Or Omission Is Found, The Design Professional Accepts Full Responsibility And Shall Determine A Solution That Complies With All Applicable Laws, Standards, Regulations, And Ordinances. If Such An Error Or Omission Is Found, The Development In the Bellina of The Complete With All Applicable Laws, Standard Populations, And Ordinances.
- Developer Is Not Relieved To Comply With All Applicable Laws, Standards, Regulations, And 7.) All Requests For Interpretations And/Or Clarification With The Standards Shall Be Done In Writing To The City Engineer. All Official Responses By The City Engineer Will Be Done In Writing.
- 8.) Failure To Properly Execute The Above Directions For Use Will Not Effect The Applicability Nor The
- 9.) The City Of Shelbyville Shall Be Contacted When Required By Calling (317) 392-5102.

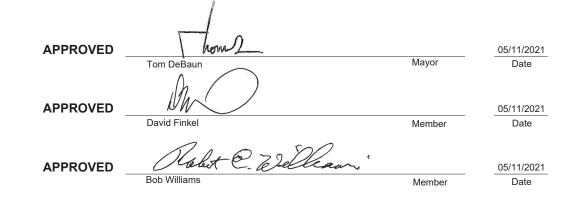
INDEX						
Sheet #	DESCRIPTION					
1	DIRECTIONS FOR USE, GENERAL NOTES, AND REVISION LOG					
2	RIGHT-OF-WAY					
3	RIGHT-OF-WAY, SITE DEVELOPMENT STANDARDS					
4	PAVEMENT DETAILS AND NOTES					
5	CURB AND DRIVEWAY DETAILS AND NOTES					
6	SIDEWALK AND ADA RAMPS DETAILS AND NOTES					
7	TRENCH BACKFILL AND STREET CUT DETAILS AND NOTES					
8	STORM SEWER BEDDING AND PIPE DETAILS AND NOTES					
9	STORM SEWER AND DRAINAGE DETAILS AND NOTES					
10	STORM SEWER STRUCTURES DETAILS AND NOTES					
11	SANITARY SEWER BEDDING AND PIPE DETAILS AND NOTES					
12	SANITARY SEWER DETAILS AND NOTES					
13	SANITARY SEWER DETAILS AND NOTES					
14	SANITARY SEWER LIFT STATION STANDARDS AND GUIDELINES					
15	FIRE DEPT. & WATER STANDARD DETAILS					
16	SIGNS, MARKINGS, & MONUMENTATION DETAILS					
17	ARTERIAL/COLLECTOR ROUNDABOUT STANDARDS AND DETAIL					
	·					

LOCAL ROUNDABOUT STANDARDS AND DETAILS

### Shelbyville Construction Standards Apply To Public & Private Property



#### **BOARD OF PUBLIC WORKS AND SAFETY**



- 1.) Contractor Shall Verify The Exact Location Of All Existing Utilities At Least 48 Hours Prior To Any Construction Or Excavation. During Construction, All Utilities Shall Be Adequately Supported To Minimize Damage. The Contractor Shall Be Responsible For Repairing Or Replacing Damaged Utilities To The Satisfaction Of The City Of Shelbyville And The Owner Of The Affected Utility. All Utility Main Lines And All Utility Service Lines/Laterals Are Included In The Definition Of All
- 2.) Contractor Shall Obtain A R/W Permit From The Engineering Dept. Prior To Starting Any Work Within City R/W. R/W Permits Require A Minimum 2 Working Days For Internal Review Prior To Approval. A \$10K Maintenance & Performance Bond Shall Be Posted With R/W Permit Application. The City Reserves The Right To Require A Larger Maintenance & Performance Bond Research On Period Space In Proceedings of the Performance Bond Period On Period Space In Proceedings of the Performance Bond Period On Period Space In Proceedings of the Performance Bond Period On Period Space In Proceedings of the Performance Bond Period On Period Space In Proceedings of the Period Based On Project Scope If Deemed Necessary By The City. Failure To Obtain The Proper Permits As Required May Result In Penalties As Provided In City Ordinance 10.99.
- 3.) Project Plans Shall Be Provided For Review By The Technical Review Committee (TRC). Any Project With Public Works Infrastructure Improvements Shall Commence With Construction N Later Than 2 Years From TRC Approval, Or Shall Be Subject To A Subsequent TRC Approva
- 4.) The Contractor Shall Notify The City And All Other Applicable Governmental Agencies At Least 48 Hours Prior To Starting Or Resuming Work On A Project. If Work Involves A Lane Closure, The Contractor Must Notify The Street Department At Least 72 Hours In Advance.
- Required On Public Ways Near The Project. 6.) All Erosion Control / Stormwater Pollution Prevention Measures Shall Meet Or Exceed The Requirements Set Forth In The Indiana Storm Water Quality Manual. Contractor Is Responsible For Maintaining Such Measures In Compliance With All Applicable IDEM, DNR, And City Of

Control. In Accordance With Most Recent Version Of The INDOT Workzone Safety Manual

- Shelbyville MS4 Standards And Regulations. 7.) All Street Cuts Shall Be Square And Neat. Jagged Or Irregular Street Cuts Are Not Permitted And Shall Be Repaired By The Contractor At No Cost To The City.
- 8.) Installation Of, Or Provisions For The Installation Of All Underground Utilities (Including Service Laterals) To Be Placed Under Pavement Areas Shall Be Established Prior To The Construction Of The Pavements. The City Reserves The Right To Require Trenchless Construction For Crossis Of Existing Streets. No Open Cut Construction Of New Pavement, Curb, Or Sidewalk Will Be
- 9.) All Benchmarks And Elevations Shall Be Based On The City/County G.I.S. Datum. 10.) Whenever Proprietary Equipment Is Specified, All Proposals for Substitution Shall Be Submitted In Writing To The Shelbyville Engineering Department For Review
- 11.) As-Built Record Drawings Shall Be Submitted To The Shelbyville Plan Commission Office. Two Full Hard-Copy Sets, One Full-Size PDF Set, And One Electronic AutoCAD Set Shall Be Submitted To The Shelbyville Plan Commision Office. Electronic AutoCAD Drawings Shall Be Compilant With The State Plane Coordinate System With Units Provided In U.S. Survey Feet. All Benchmarks And Elevations Shall Be Based On The City/County G.I.S. Datum. As-Built Drawings Shall Be Certified By A Registered Land Surveyor Or Engineer. As-Builts Are Required For Sanitary Sewer Systems, Storm Sewers Systems, Water Systems, Conduits, Lights, Roadways, And All Other Infrastructure Within Public Right-Of-Ways And/Or Easements.
- 12.) All Construction Within Public Right-Of-Ways Shall Comply With The Most Recent Version Of The Requirements Of The Americans With Disabilities Act (ADA). Construction Shall Meet The Standards Set Forth In The Current ADA Accessibility Guidelines (ADAAG) And Public Right-Of-Ways Guidelines (PROWAG).

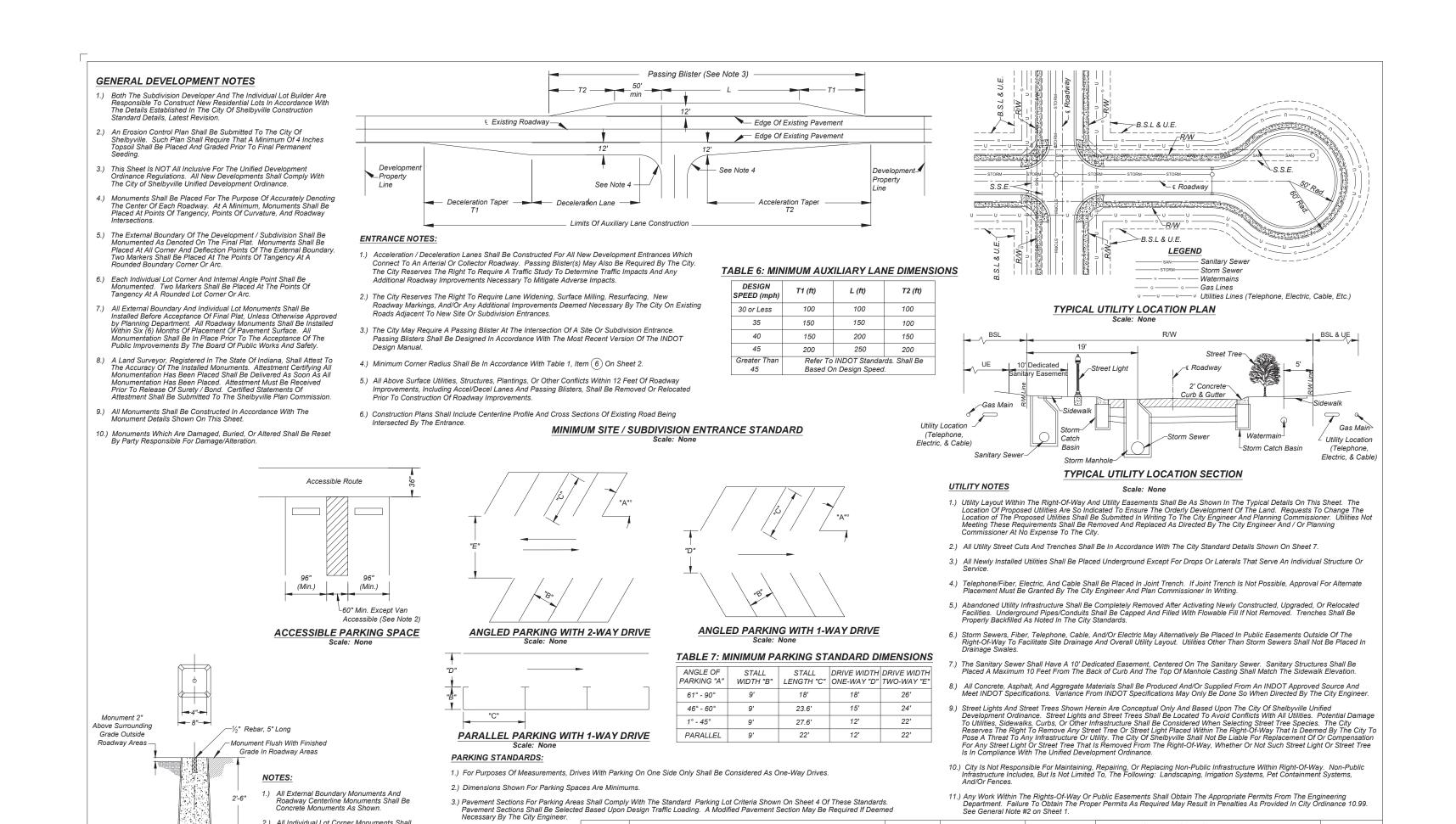


CITY OF SHELBYVILLE

SITE DEVELOPMENT

STANDARDS

	REVISIONS		HEW JOHN	SHELBYVILLE	CITY OF SHELBYVILLE	SHEET
ev. No.	Description	Date				
1	Entire Set	07/26/2011	No.		DIRECTIONS FOR USE,	1
2	ADA Compliance Notes, References To New UDO	01/14/2014	PE111006/5		GENERAL NOTES, &	OF
3	Updated Entire Set	02/11/2020	Matter   France	PROGRES IN PROGRES	REVISION LOG	18
4	Sanitary Dedicated Easement, H.P. Storm Pipe	05/11/2021	minimum.	IN PRO	712770777200	



**REVISIONS** 

Entire Set

References To New UDO, Added Monument Detail

Updated Entire Set

Note On Sanitary Dedicated Easemen

Description

07/26/2011

01/10/2014

05/11/2021

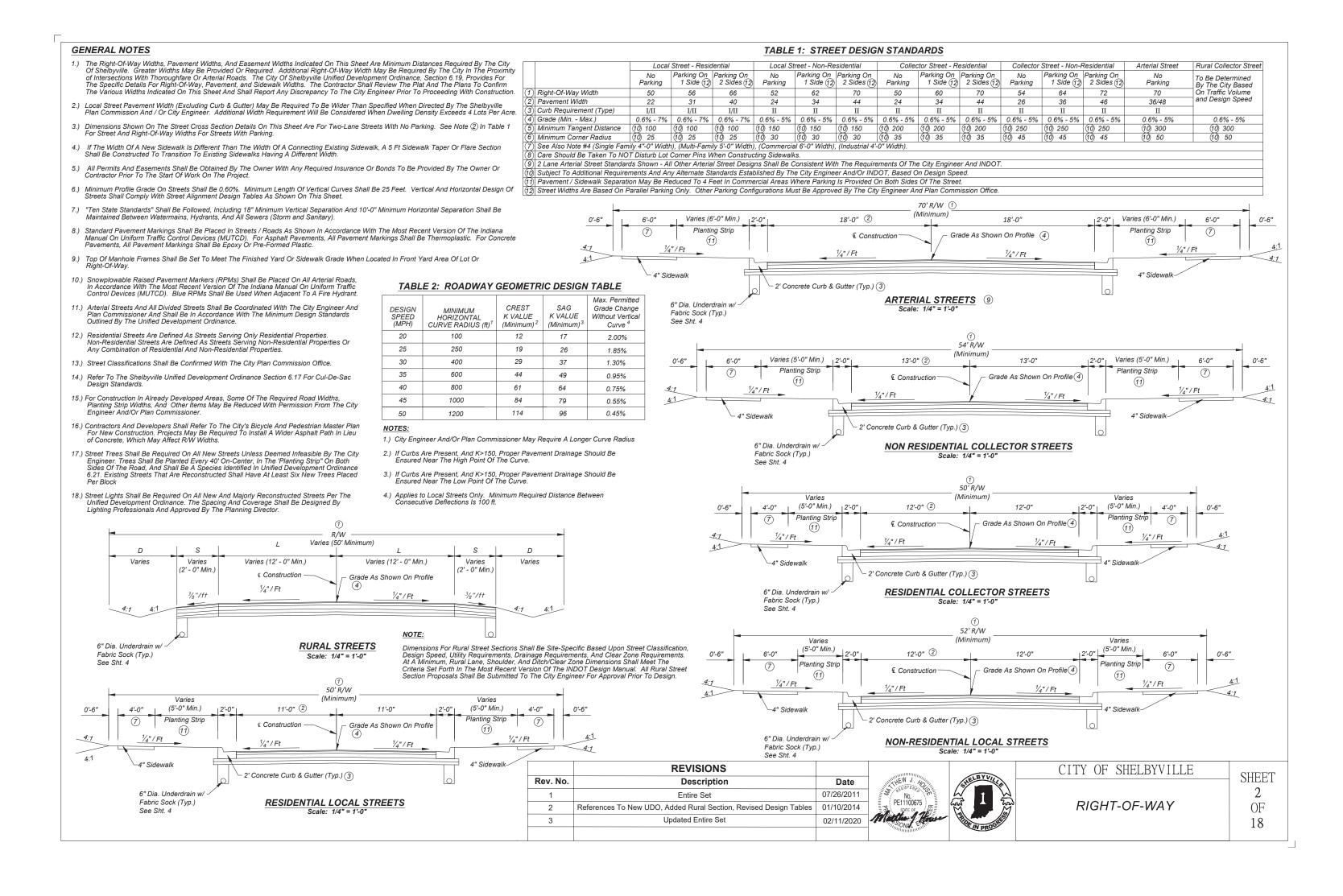
02/11/2020

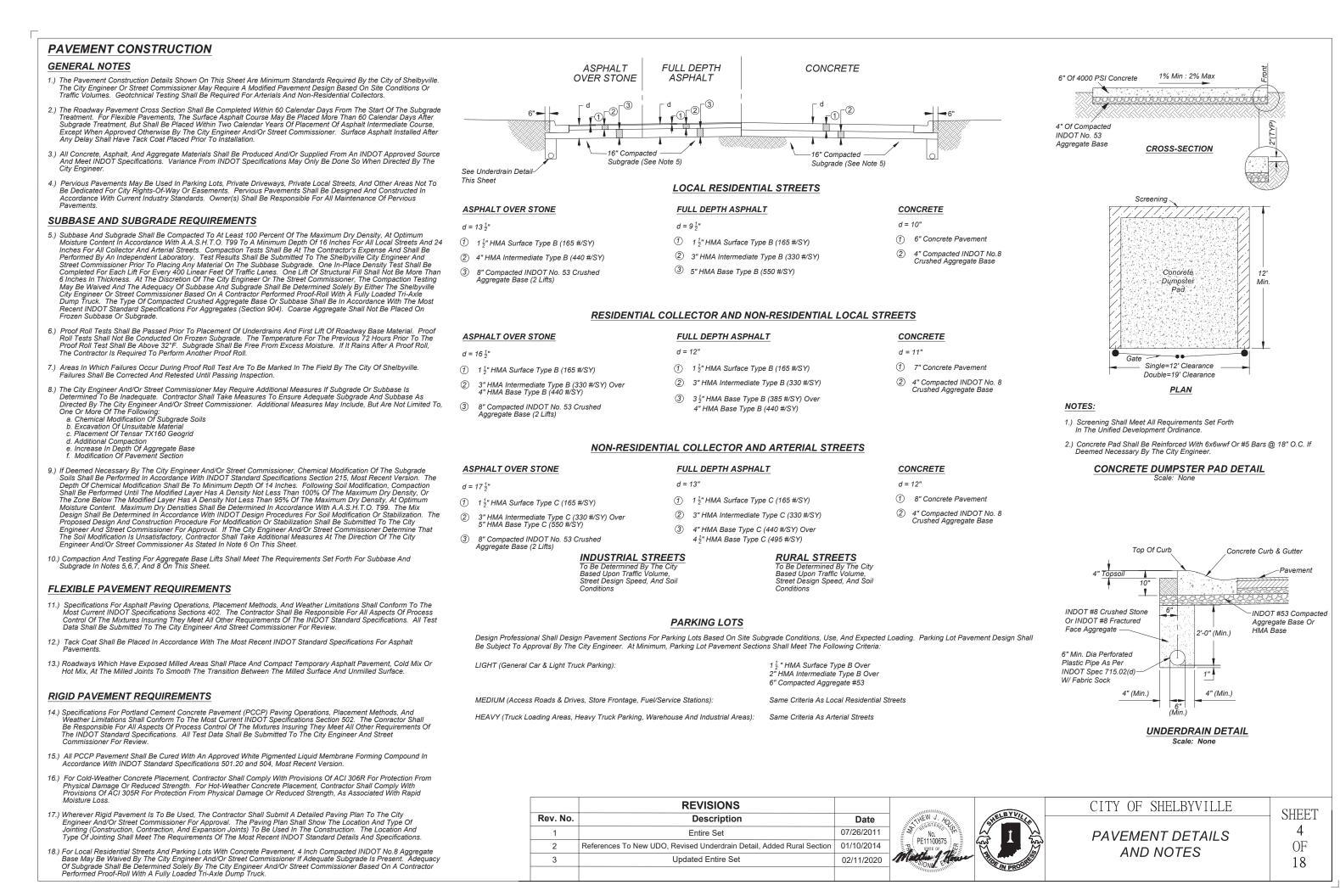
4.) Parking Shall Comply With City's

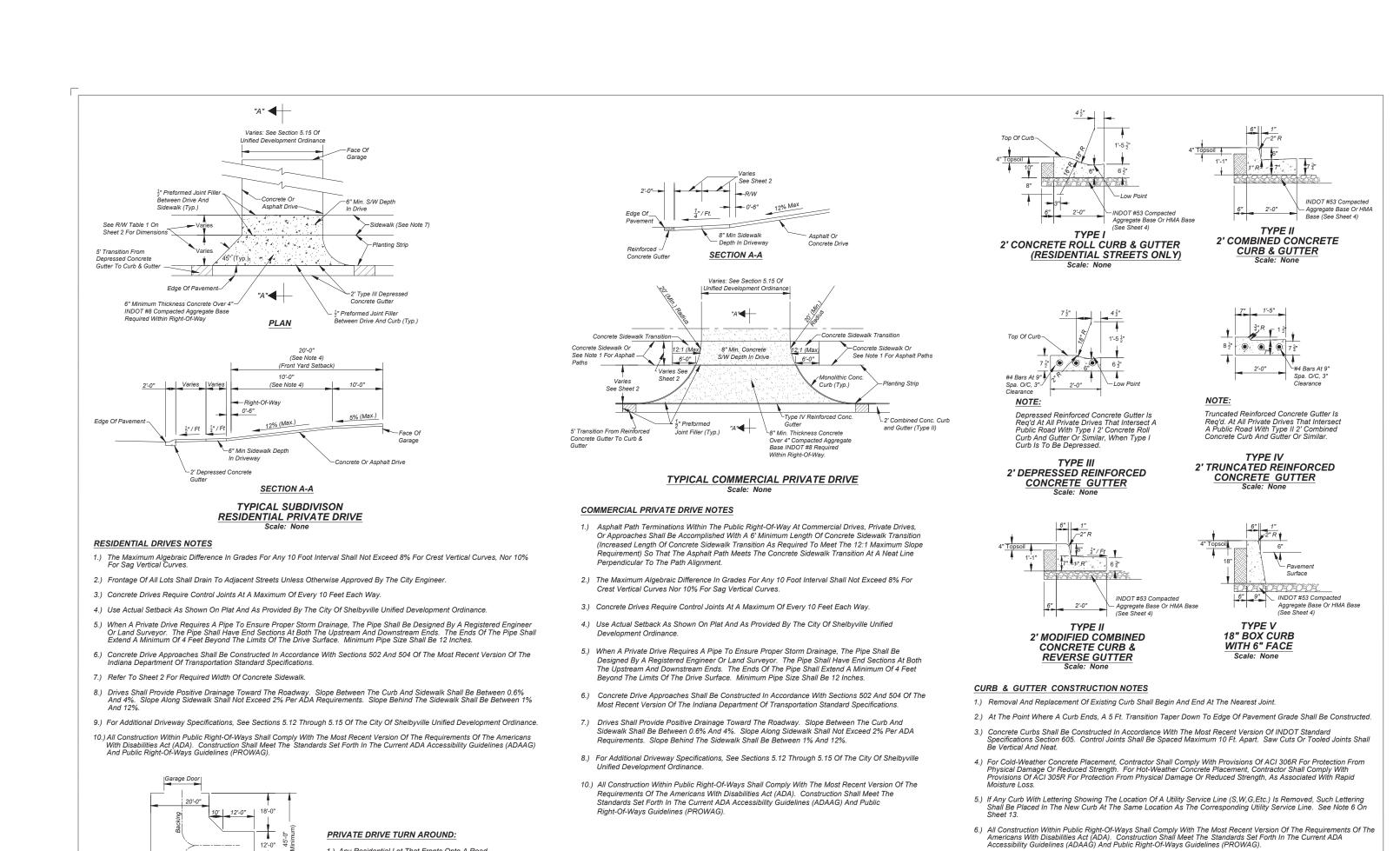
Be 3/4" Rebar, 30 Inches Long.

MONUMENT DETAIL

Monuments Shall Be Capped With A Substantial, Durable Plastic Or Metal Cap







Any Residential Lot That Fronts Onto A Road Classified As Either A Collector Or An Arterial Roadway Shall Have A Private Drive Turn

.) See The Typical Subdivision Private Drive Detail

Right-Of-Way Line

Be Tack Coated Prior To The Placement Of New Asphalt. Tack Coat Shall

Be Applied In Accordance With The Most Recent INDOT Standard

6.) The New Surface Pavement Grade Shall Match The Existing Surface

7.) A 2 Inch Wide Band Of Crack Sealant Shall Be Applied Along The Joint

In Accordance With The Most Recent INDOT Standard Specifications.

Between The Existing And New Asphalt Surface. Sealant Shall Be Applied

**CONCRETE WITH BITUMINOUS** 

SURFACE PATCH STREET CUT DETAIL

Specifications.

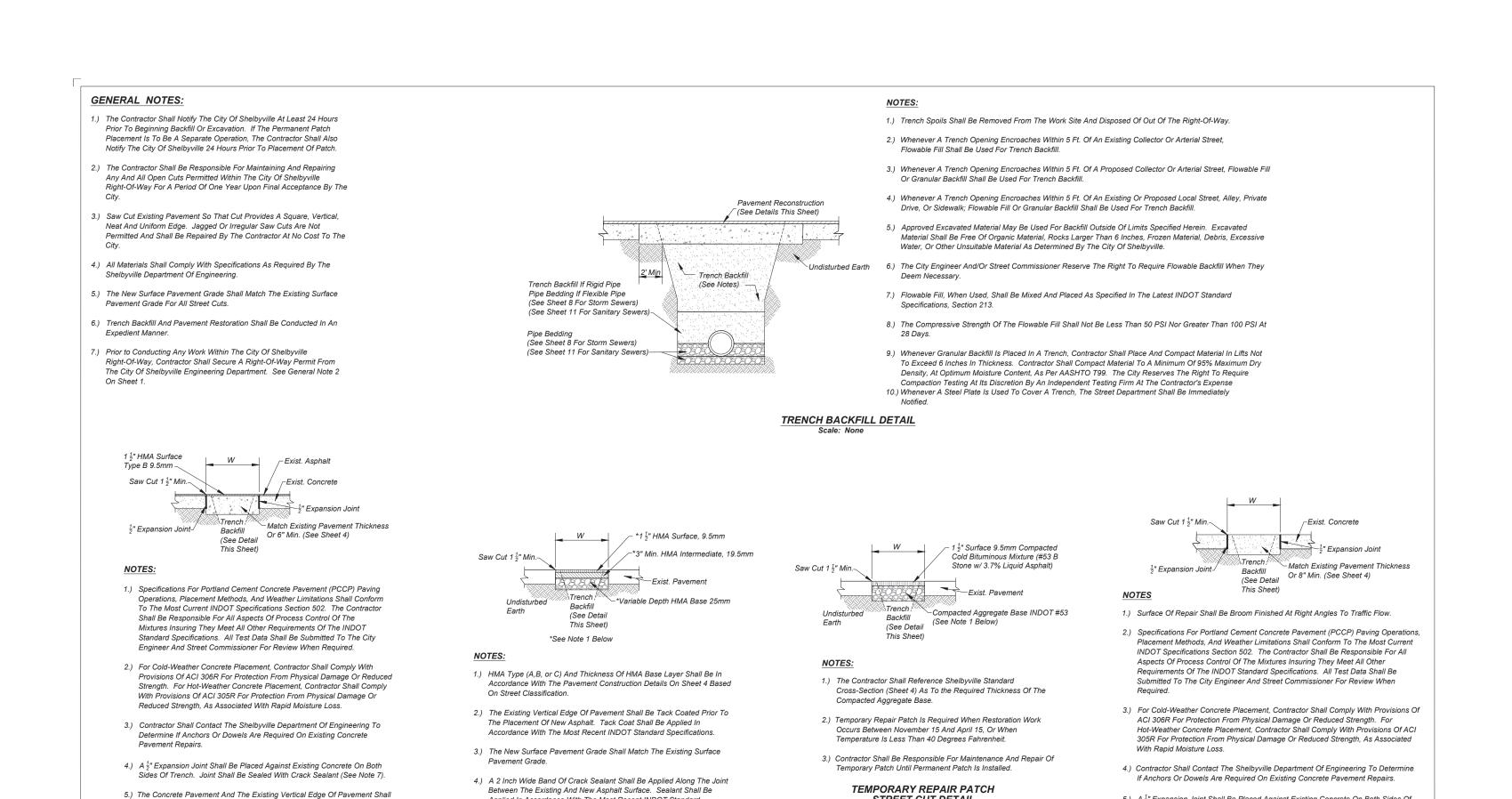
Section 408.

Pavement Grade.

PRIVATE DRIVE TURN-AROUND

STRAIGHT IN - BACK OUT

n This Sheet For Additional Drive Requirements.



REVISIONS

**Entire Set** 

Revised Trench Backfill Detai

Description

Applied In Accordance With The Most Recent INDOT Standard

**BITUMINOUS PATCH** STREET CUT DETAIL

Specifications, Section 408.

**REVISIONS** 

Entire Set

ADA Compliance Notes, References To New UDO

07/26/2011

STREET CUT DETAIL

07/26/2011

01/10/2014

CITY OF SHELBYVILLE

CURB AND DRIVEWAY

DETAILS AND NOTES

5.) A 1 Expansion Joint Shall Be Placed Against Existing Concrete On Both Sides Of

INDOT Standard Specifications, Sections 503 And 906.

Trench. Joints Shall Be Sealed With Concrete Joint Sealant In Accordance Witl

CONCRETE PATCH STREET CUT DETAIL

(FOR CUTS WITHIN CONCRETE STREETS)

Scale: None

CITY OF SHELBYVILLE

TRENCH BACKFILL AND

OF

18

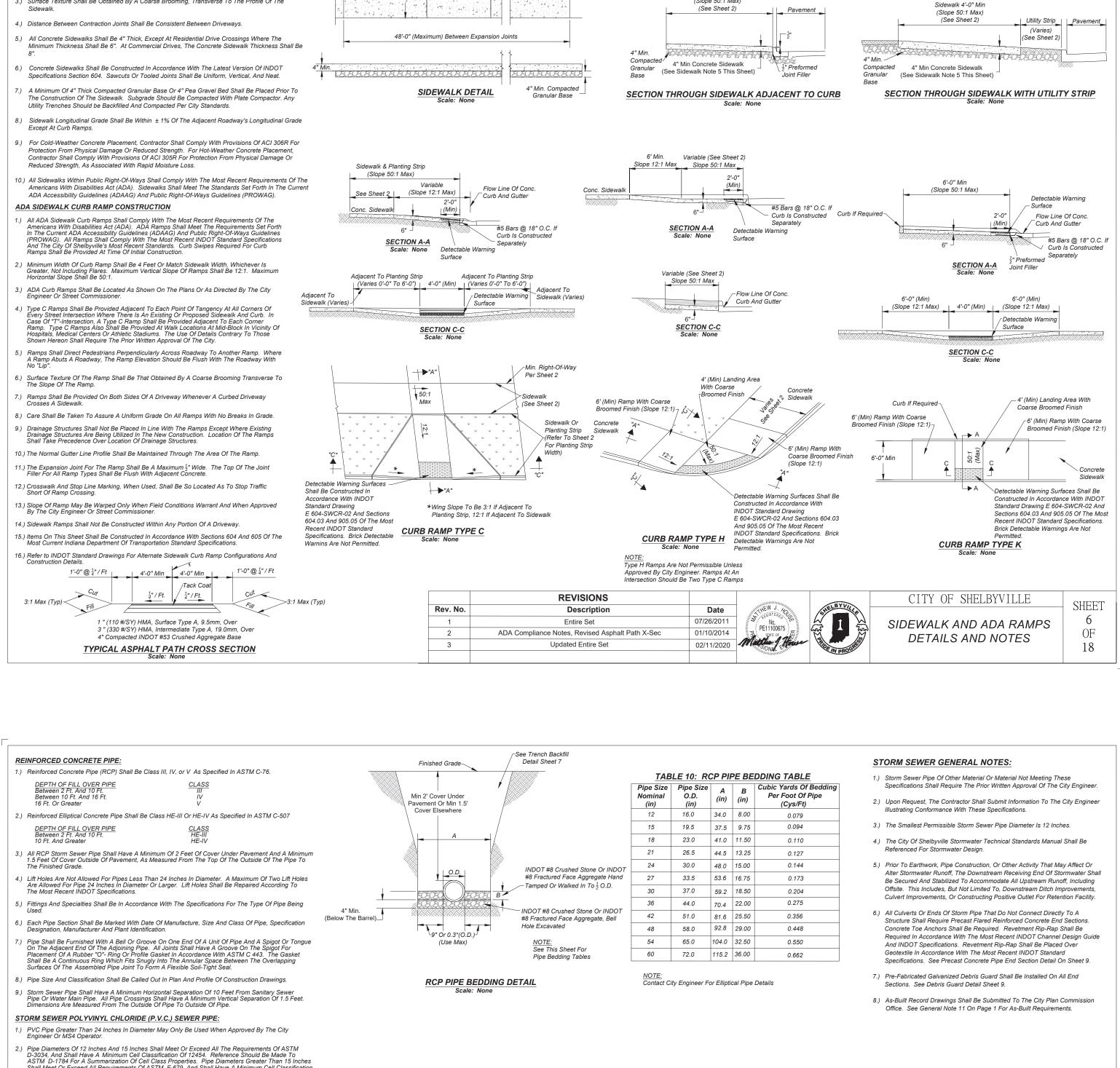
STREET CUT

DETAILS AND NOTES

SHEET

OF

18



Running Slope 1:20 Max

5'-0" Betweer

Sidewalk 6'-0" Min

(Slope 50:1 Max)

4'-0" Min Contraction Joints

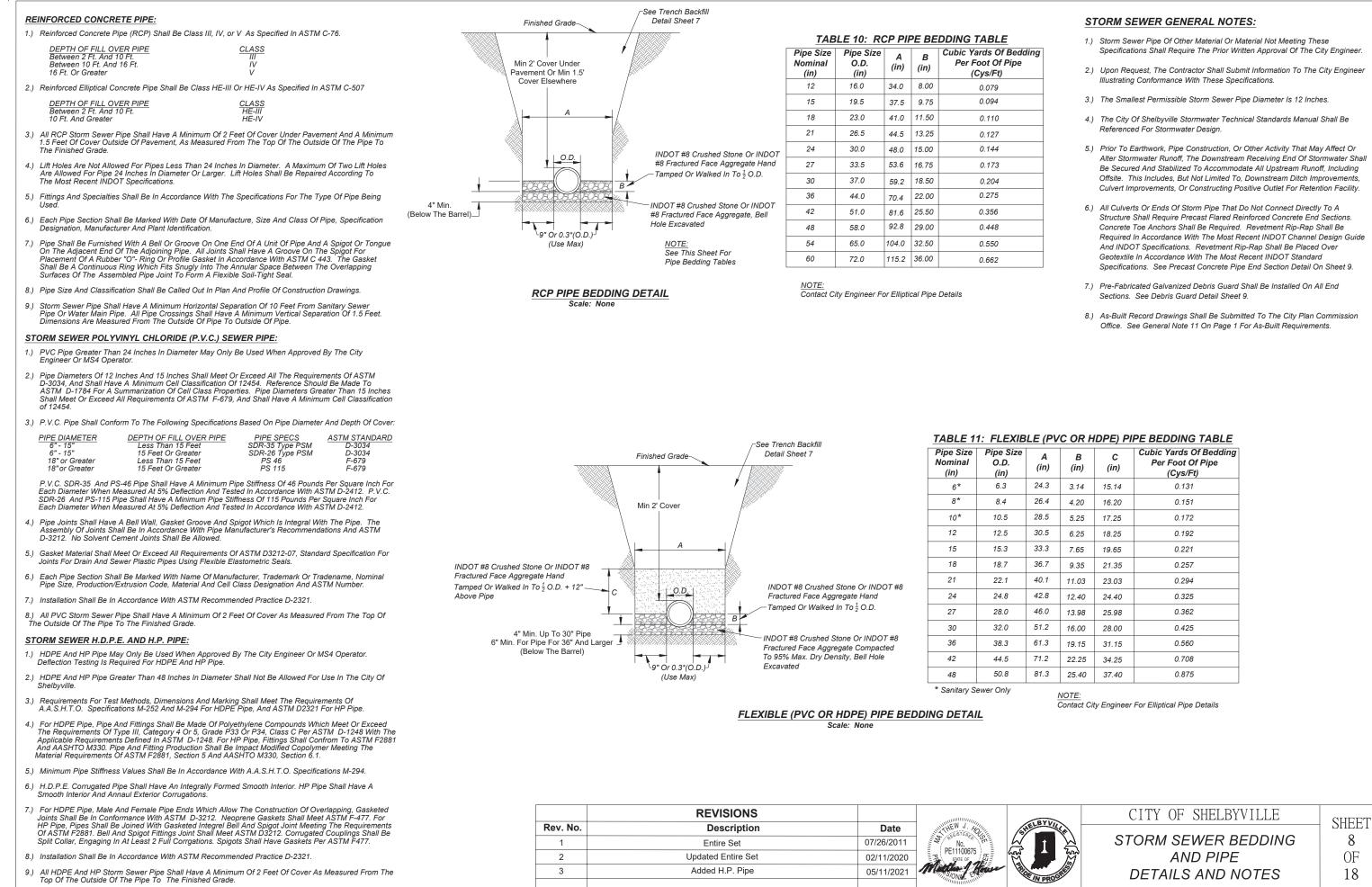
SIDEWALK CONSTRUCTION

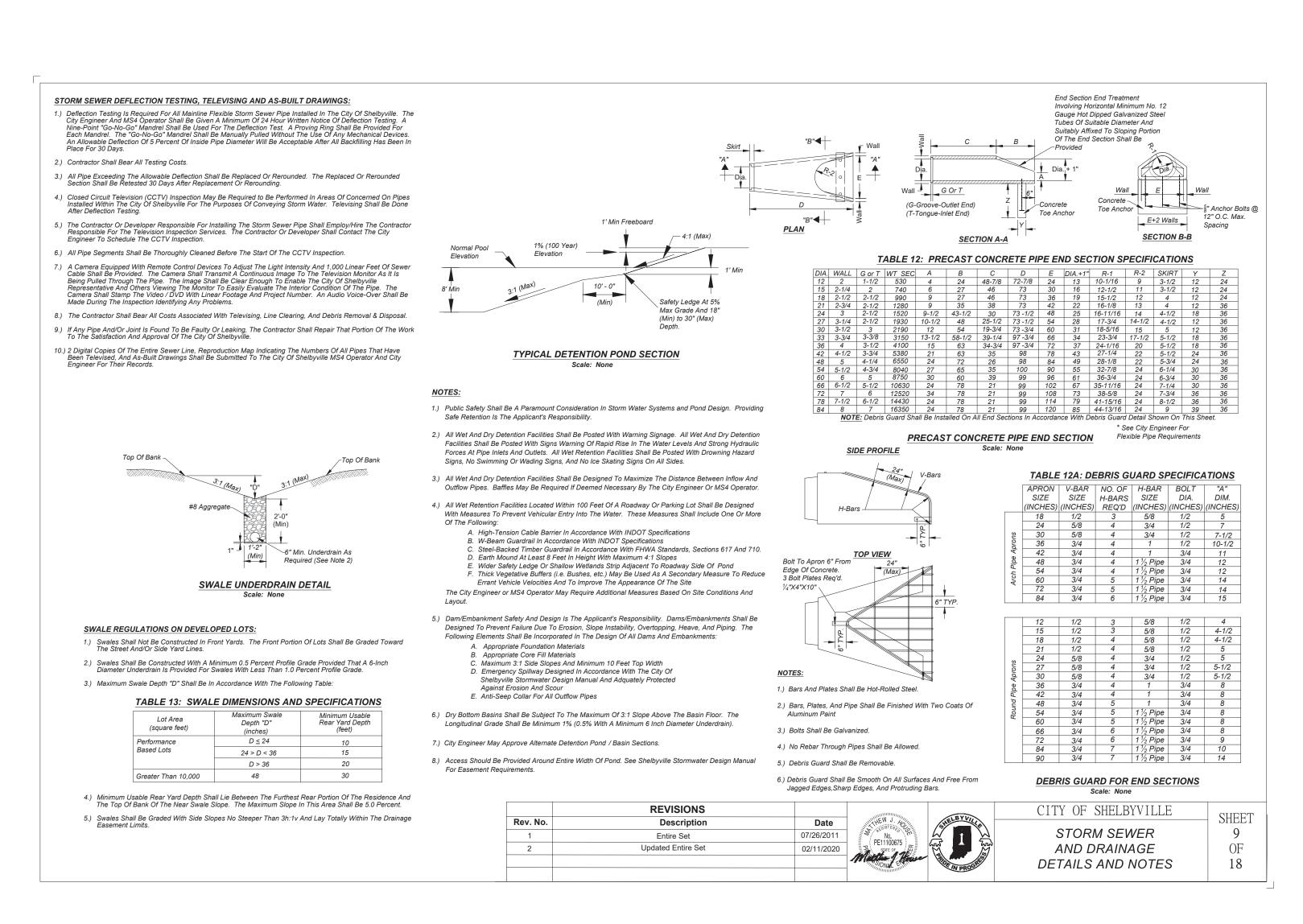
Care Shall Be Taken To Assure A Uniform Grade On All Ramps With No Grade Breaks.

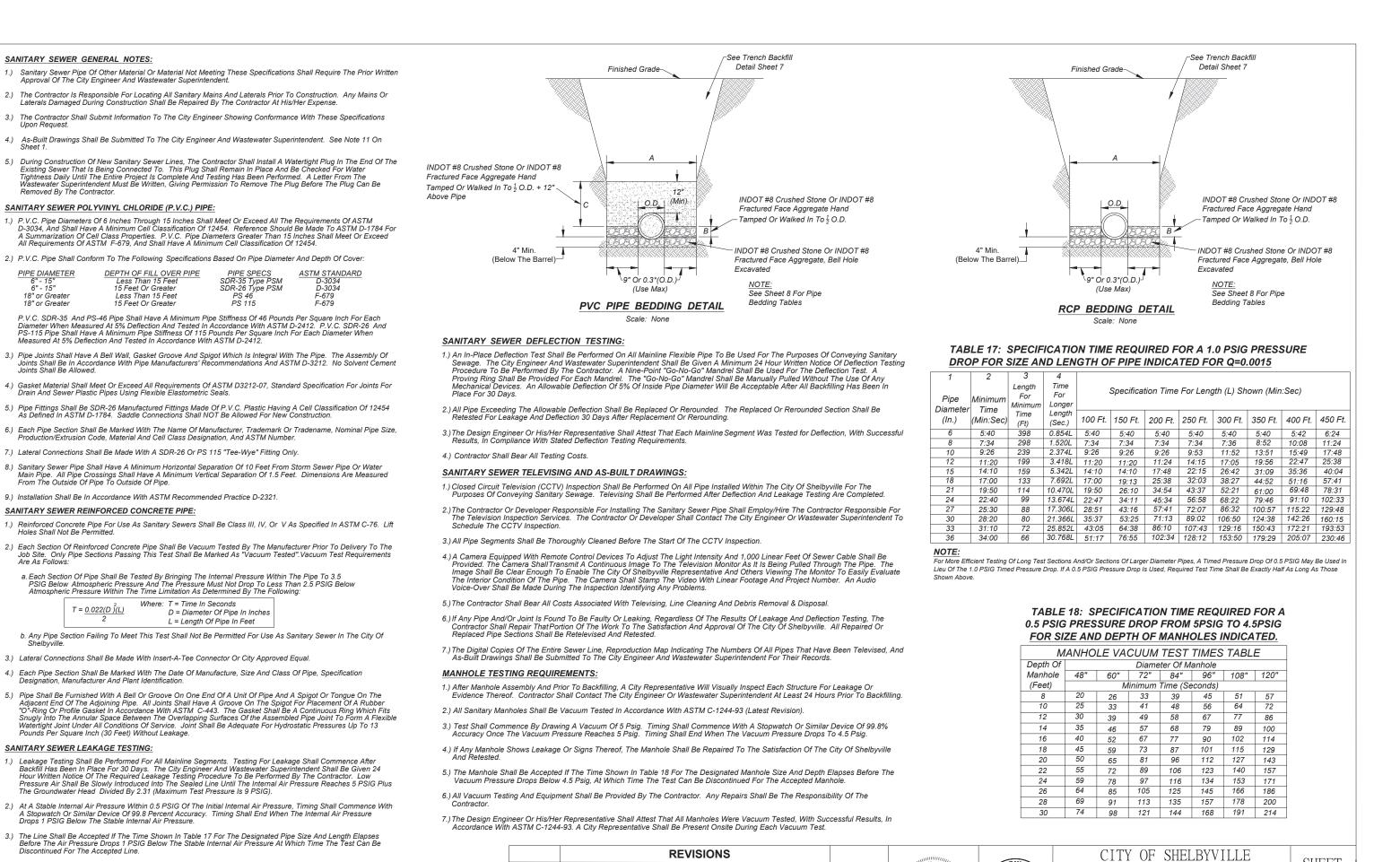
Abutting Concrete Curbs, Structures, Walls, Or Other Fixed Objects.

 $\frac{1}{2}$ " Preformed Joint Filler Shall Be Incorporated At A Maximum Spacing Of 48 Feet Of Walk And When

3.) Surface Texture Shall Be Obtained By A Coarse Brooming, Transverse To The Profile Of The







Description

**Entire Set** 

Updated Entire Set

07/26/2011

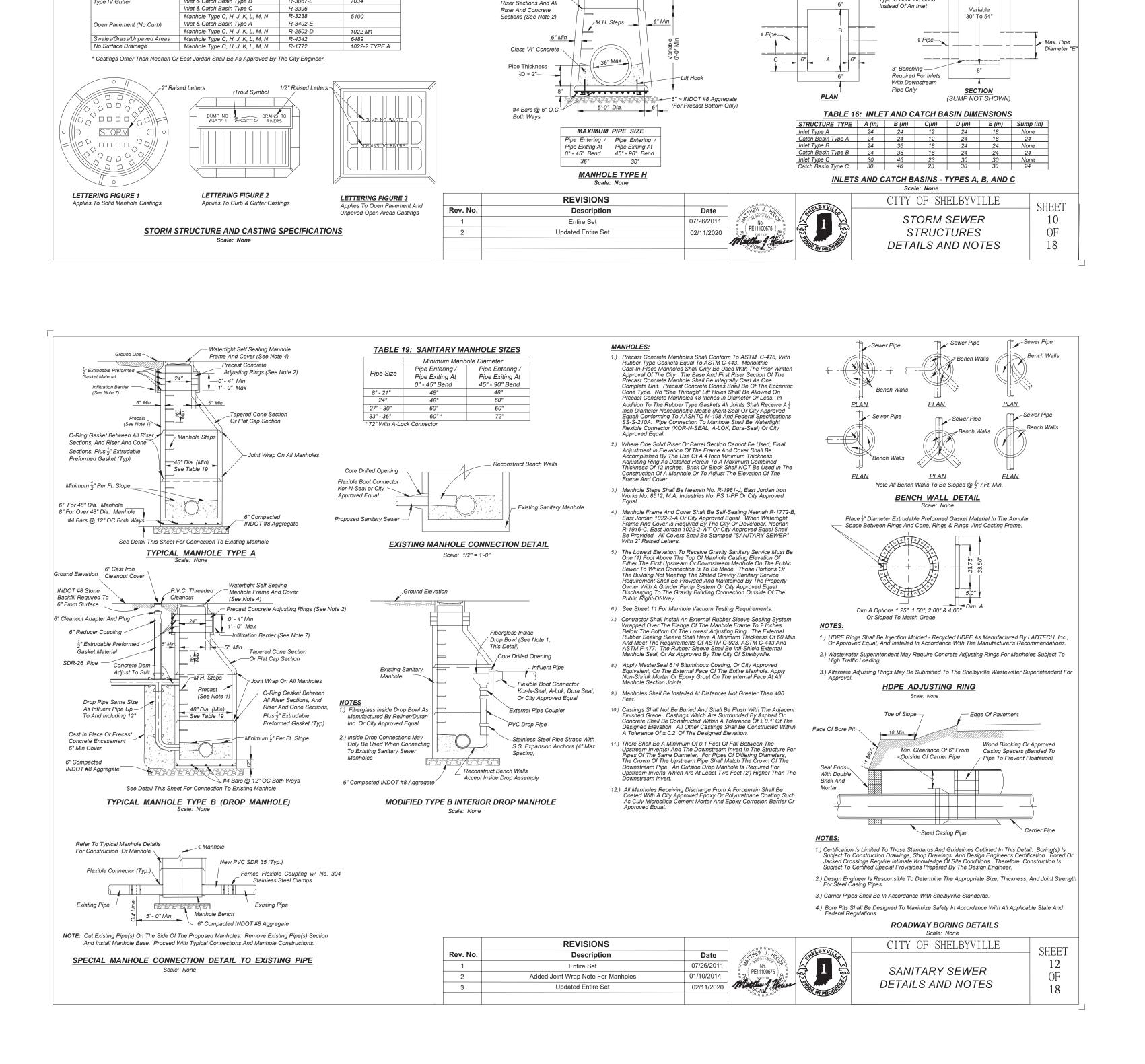
SANITARY SEWER BEDDING

AND PIPE

DETAILS AND NOTES

4.) If A Leak Must Be Repaired, Then The Entire Mainline Segment Shall Be Retested For Leakage. If Contractor Excavates Pipe For The Purpose Of Repairing A Leak, Then The Entire Mainline Segment Shall Be Retested For Both Leakage And Deflection.

5.) The Design Engineer Or His/Her Representative Shall Attest That Each Mainline Segment Was Tested For Leakage, With Successful Results, In Compliance With Stated Leakage Testing Requirements.



Precast Concrete Adjuster

Eccentric Cone Or

1 Fxtrudable Preformed

Gasket Material

Precast Manhole—

"O"-Ring Gasket Between

Class "A" Concrete

#4 Bars @ 6" O.C.-

½D + 2"----

Riser Sections And All

Sections (See Note 2)

Rings (See Note 9)

#4 Bars @ 6" O.C

**GENERAL NOTES** 

Integrally Cast As One Complete Unit.

Sections 503 and 906.

Type J, K, L, M And N Manholes As Detailed Herein Require A Certain Minimum Depth. In Cases Where The Depth Of The Storm Sewer Is Not Sufficient To Meet The Minimum Depth As Required By The Detail, "F" Diameter Manhole Section May Be Used Throughout The Depth Of The Manhole.

Manholes Shall Conform To ASTM C-478. Joints Shall Conform To ASTM C-443. The Use Of Cast-In-Place Concrete Structures Shall Require The Prior Written Approval Of The City Engineer. Regardless Of Type Of Casting Used, The Casting Shall Be Centered Over The Manhole Steps.

.) Manhole Steps Shall Be Neenah R-1981-J, M.A. Industries PS 1-PF, Or Equivalent As Approved By The City

All Structures And Castings Shall Be Specified Based On Surface Conditions In Accordance With Table 14 On This Sheet.

.) Castings For All Storm Structures Shall Be Stamped With Lettering As Shown In The Structure And Castings Specifications Detail On This Sheet.

.) Castings Shall Not Be Buried And Shall Be Flush With The Adjacent Finished Grade. Castings Which Are Surrounded By Asphalt Or Concrete Shall Be Constructed Within A Tolerance Of ± 0.1' Of The Designed Elevation. All Other Castings Shall Be Constructed Within A Tolerance Of ± 0.2' Of The Designed Elevation.

) The Contractor Shall Remove Soils Under A Precast Bottom And Replace With 6 Inches Of Compacted INDOT #8 Stone.

9.) Final Adjustment In Elevation Of The Frame, Cover, Or Casting Shall Be Accomplished By The Use Of A 4 Inch Minimum And 12 Inch Maximum Thickness Adjusting Ring Or Collar. Brick Or Block Shall Not Be Used In The Construction Of A Structure Or To Adjust The Elevation Of Frame Or Casting.

13.) All Structure Castings Shall Be Surrounded By A ½" Expansion Joint When Placed In Asphalt Or Concrete. When Placed In Asphalt, Joint Shall Be Sealed In Accordance With INDOT Standard Specifications, Section 408. When Placed In Concrete, Joint Shall Be Sealed In Accordance With INDOT Standard Specifications, 2016;19:10-10.

14.) For A Series Of More Than One Inlets Connecting To A Trunkline, A Catch Basin With A 2 Feet Sump Shall Be Installed At The Structure Closest To The Trunkline.

TABLE 14: STORM SEWER STRUCTURE & CASTING REQUIREMENTS

SURFACE DRAINAGE TYPE | COMPATIBLE STRUCTURE TYPES | \*NEENAH CASTING # | \*EJIW CASTING #

Inlet & Catch Basin Type B

Inlet & Catch Basin Type A

Inlet & Catch Basin Type I

Inlet & Catch Basin Type

Inlet & Catch Basin Type B

Manhole Type C, H, J, K, L, M, N

Manhole Type C, H, J, K, L, M, N

R-3501-T (R or L) 7495 (M1 or M2)

7505 (M1 or M2)

R-3501-TB

R-3286-8V

R-3286-8V

16.) Each Pipe Section Shall Be Marked With Date of Manufacture, Size, And Class Of Pipe, Specification

8.) For Type C Manholes, The Base And First Riser Section Of The Precast Concrete Manhole Shall Be

12.) Manholes Shall Be Installed At Distances Not Greater Than 400 Feet. For Pipes 36 Inches Or Larger, Greater Distances Between Manholes May Be Used With Written Approval Of The City Engineer.

10.) All Structures Shall Have A Minimum Of 4" Allowed For Riser Rings Or Adjustment.

11.) The Minimum Pipe Diameter For Storm Sewer In Public Right-Of-Way Is 12".

15.) Maximum Pipe Intrusion In A Structure Shall Be 3 Inches.

Designation, Manufacturer, And Plant Identification.

Type I Roll Curb & Gutter

Type III Gutter

Type II Combined Curb & Gutter |

Place <sup>1</sup>/<sub>2</sub>" Diameter Extrudable

Each Keyway (See Detail)

PLAN VIEW

Preformed Gasket Material In —

30 ½" Dia.

Outside Dia. 34" or 36"

Gasket Material

Precast Manhole—

"O"-Ring Gasket Between

SECTION A-A

Adjusting Ring Or

Flange Of Casting

<sup>∠</sup>Nominal ½" Butyl Rubber

Gasket Material (Typ.)

**GASKET DETAIL** 

PRECAST ADJUSTING RING

Base Extrudable Preformed

Precast Manhole-

"O"-Ring Gasket Between-

Riser Sections And All Riser And Concrete

Sections (See Note 2)

Class "A" Concrete-

3" Min Cover-

6" ~ INDOT #8 Aggregate

Rings (See Note 9)

Precast Flat Cap

0'-4" Min.

1'-0" Max.

24444

MAXIMUM PIPE SIZE

MANHOLE TYPE C

Scale: None

Pipe Entering / Pipe Entering / Pipe Exiting At Pipe Exiting At 0° - 45° Bend 45° - 90° Bend 24" 21" Precast Concrete Adjuster

Eccentric Cone Or

Precast Flat Cap

Reduce

- Rings (See Note 9)

1'-0" Max.

∠M.H. Steps

TABLE 15: DIMENSIONS FOR MANHOLE TYPES J,K,L,M & N

MANHOLE TYPES J, K, L, M, & N

MAXIMUM PIPE SIZE "G"

Pipe Entering / Pipe Entering

Pipe Exiting At 0° - 45° Bend 45° - 90° Bend

6" D 6"

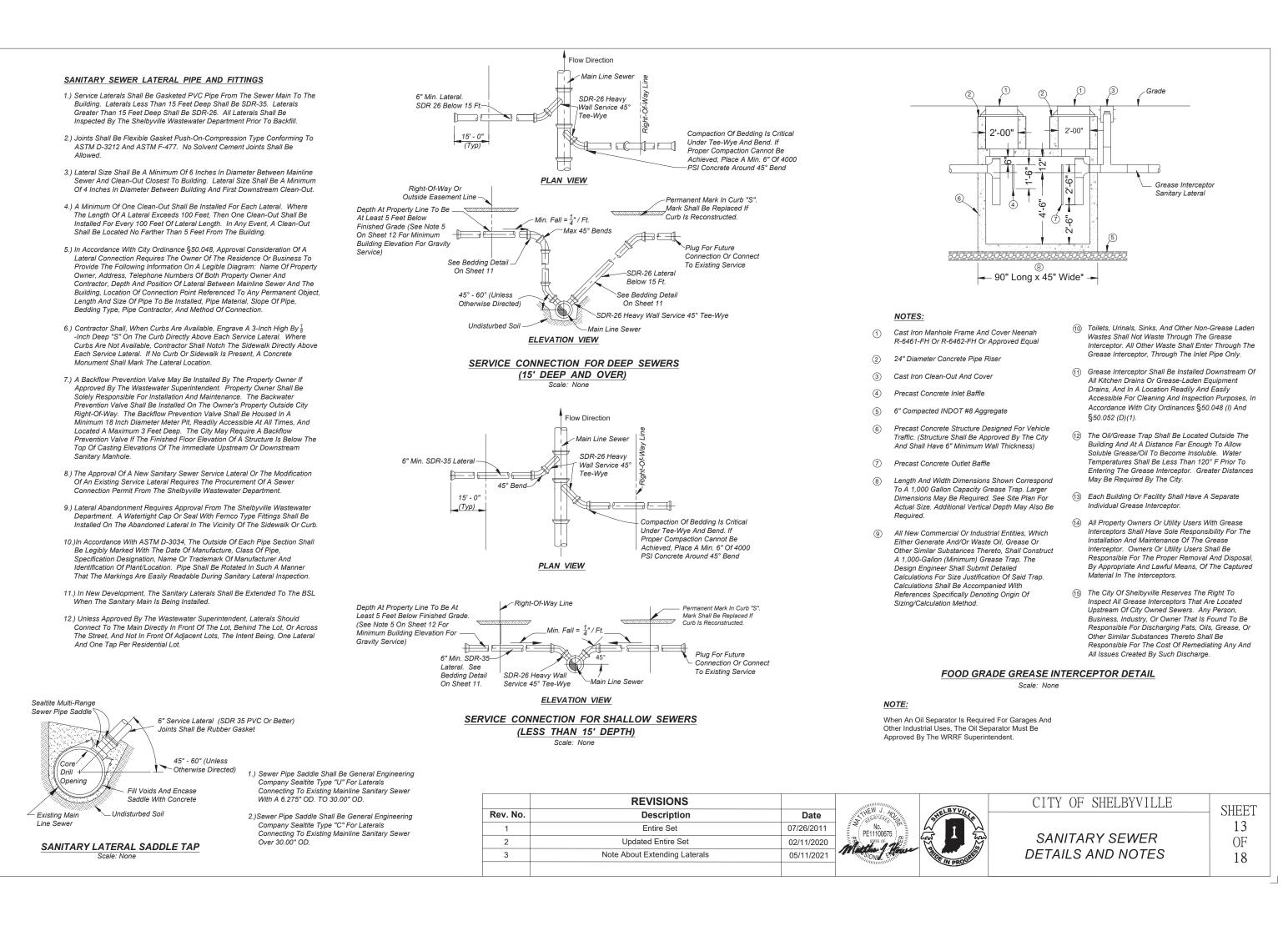
See Note 9

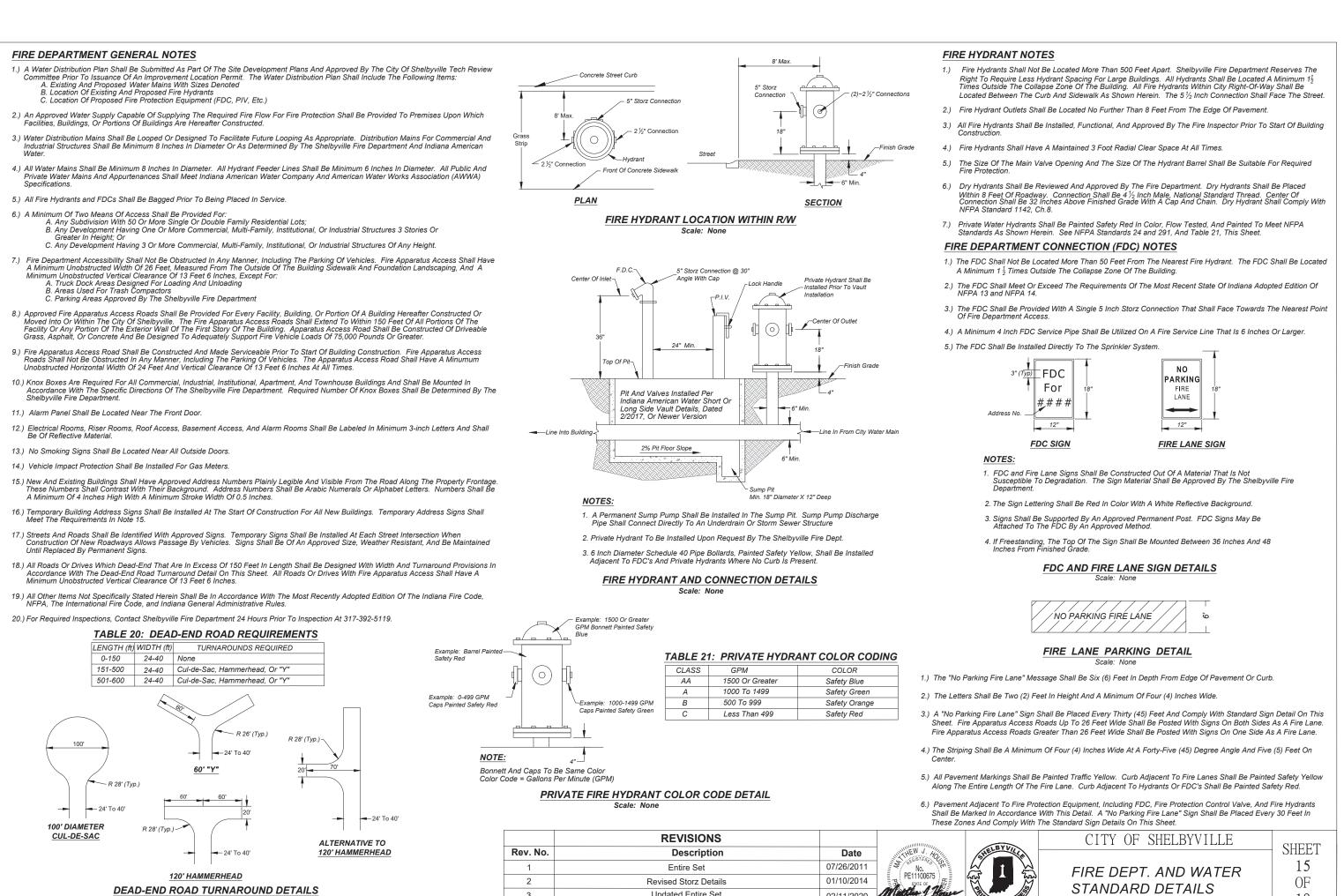
6" Min

<u>vote:</u> For Depths Greater

Than 54", A Manhole

Type C Shall Be Used





Updated Entire Se

Scale: None

