



APPLICATION FOR ENCROACHMENT PERMIT

KYTC KEPT #: _____

SECTION 1: APPLICANT CONTACT INFORMATION

Form with fields for APPLICANT, ADDRESS, EMAIL, CITY, STATE, ZIP, CONTACT NAME 1, CONTACT NAME 2 (if applicable), PHONE #, and CELL #.

SECTION 2: PROPOSED WORK LOCATION

Form with fields for ADDRESS, CITY, STATE (Kentucky), ZIP, COUNTY, ROUTE #, MILE POINT, LONGITUDE (X), and LATITUDE (Y).

ADDITIONAL LOCATION INFORMATION:

FOR KYTC USE ONLY

Form with checkboxes for PERMIT TYPE (Air Right, Entrance, Utilities, Vegetation Removal, Other) and ACCESS (Full, Partial, by Permit), and LOCATION (Left, Right, Crossing).

SECTION 3: GENERAL DESCRIPTION OF WORK

Large empty text area for describing the work.

THE UNDERSIGNED APPLICANT(s), being duly authorized representative(s) or owner(s), DO AGREE TO ALL ORIGINAL UNEDITED TERMS AND CONDITIONS ON THE TC 99-1A, pages 1-4.

SIGNATURE

DATE

This is not a permit unless and until the applicant(s) receives an approved TC 99-1B from KYTC. This application shall become void if not approved by the cancellation date. The cancellation date shall be a minimum of one year from the date the applicant submits their application.

APPLICATION FOR ENCROACHMENT PERMIT

TERMS AND CONDITIONS

1. The permit, including this application and all related and accompanying documents and drawings making up the permit, remains in effect and is binding upon the Applicant/Permittee, its successors and assigns, as long as the encroachment(s) exists and also until the permittee is finally relieved by the Department of Highways from all its obligations.
2. Applicant shall meet all requirements of the Clean Water Act if the project will disturb one acre or more, the applicant shall obtain a KPDES KYR10 Permit from the Kentucky Division of Water. All disturbed areas shall meet the requirements of the Department of Highway's Standard Specifications, Sections 212 and 213, as amended.
3. **INDEMNITY:**
 - A. **PERFORMANCE BOND:** The permittee shall provide to the Department a performance bond according to the Permits Manual, Section PE-203 as a guarantee of conformance with the Department's Encroachment Permit requirements.
 - B. **PAYMENT BOND:** At the discretion of the department, a payment bond shall be required of the permittee to ensure payment of liquidated damages assessed to the permittee.
 - C. **LIABILITY INSURANCE:** Liability insurance shall be required of the permittee (in an amount approved by the department) to cover all liabilities associated with the encroachment.
 - D. It shall be the responsibility of the permittee, its successors and assigns, to maintain all indemnities in full force and effect until the permittee is authorized to release the indemnity by the Department.
4. A copy of this application and all related documents making up the approved permit shall be given to the applicant and shall be made readily available for review at the work site at all times.
5. Perpetual maintenance of the encroachment is the responsibility of the permittee, its successors and assigns, with the approval of the Department as required, unless otherwise stated.
6. Permittee, its successors and assigns, shall comply with and agree to be bound by the requirements and terms of (a) this application and all related documents making up the approved permit, (b) by the Department's Permits Manual, and (c) by the Manual on Uniform Traffic Control Devices, both manuals as revised to and in effect on the date of issuance of the permit, all of which documents are made a part thereof by this reference. Compliance by the permittee, its successors and assigns, with subsequent revisions to applicable provisions of either manual or other policy of the Department may be made a condition of allowing the encroachment to persist under the permit.
7. Permittee agrees that this and any encroachment may be ordered removed by the Department at any time, and for any reason, upon thirty days written notice to the last known address of the applicant or to the address at the location of the encroachment. The permittee agrees that the cost of removing and of restoring the associated right-of-way is the responsibility of the permittee, its successors and assigns.
8. Permittee, its successors and assigns, agree that if the Department determines that motor vehicular safety deficiencies develop as a result of the installation or use of the encroachment, the permittee, its successors and assigns, shall provide and bear the expenses to adjust, relocate, or reconstruct the facilities, add signs, auxiliary lanes, or other corrective measures reasonably deemed necessary by the Department within a reasonable time after receipt of a written notice of such deficiency. The period within which such adjustments, relocations, additions, modifications, or other corrective measures must be completed will be specified in the notice.
9. Where traffic signals are required as a condition of granting the requested permit or are thereafter required to correct motor vehicular safety deficiencies, as determined by the Department, the costs for signal equipment and installation(s) shall be borne by the permittee, its successors and assigns and the Department in its reasonable discretion and only in accordance with the Department's current policy set forth in the Traffic Operations Manual and Permits Manual. Any modifications to the permittee's entrance necessary to accommodate signalization (including necessary easement(s) on private property) shall be the responsibility of the permittee, its successors and assigns, at no expense to the Department.

APPLICATION FOR ENCROACHMENT PERMIT

10. The requested encroachment shall not infringe on the frontage rights of an abutting owner without their written consent as hereinafter described. Each abutting owner shall express their consent, which shall be binding on their successors and assigns, by the submission of a notarized statement as follows, "I (we), _____, hereby consent to the granting of the permit requested by the applicant along Route _____, which permit does affect frontage rights along my (our) adjacent real property." By signature(s) _____, subscribed and sworn by _____, on this date _____.
11. The permit, if approved, is subject to the agreement that it shall not interfere with any similar rights or permit(s) previously granted to any other party, except as otherwise provided by law.
12. Permittee shall include documentation which describes the facilities to be constructed. Permittee, its successors and assigns, agree as a condition of the granting of the permit to construct and maintain any and all permitted facilities or other encroachments in strict accordance with the submitted and approved permit documentation and the policies and procedures of the Department. Permittee, its successors and assigns, shall not use facilities authorized herein in any manner contrary to that prescribed by the approved permit. Only normal usage as contemplated by the parties and by this application and routine maintenance are authorized by the permit.
13. Permittee, its successors and assigns, at all times from the date permitted work is commenced until such time as all permitted facilities or other encroachments are removed from the right-of-way and the right-of-way restored, **shall defend, protect, indemnify and save harmless** the Department from any and all liability claims and demands arising out of the work, encroachment, maintenance, or other undertaking by the permittee, its successors and assigns, related or undertaken pursuant to the granted permit, due to any claimed act or omission by the permittee, its servants, agents, employees, or contractors. This provision shall not inure to the benefit of any third party nor operate to enlarge any liability of the Department beyond that existing at common law or otherwise if this right to indemnity did not exist.
14. Upon a violation of any provision of the permit, or otherwise in its reasonable discretion, the Department may require additional action by the permittee, its successors and assigns, up to and including the removal of the encroachment and restoration of the right-of-way. In the event additional actions required by the Department under the permit are not undertaken as ordered and within a reasonable time, the Department may in its discretion cause those or other additional corrective actions to be undertaken and the Department shall recover the reasonable costs of those corrective actions from the permittee, its successors and assigns.
15. Permittee, its successors and assigns, shall use the encroachment premises in compliance with all requirements of federal law and regulation, including those imposed pursuant to Title VI of the Civil Right Act of 1964 (42 U.S.C. § 2000d et seq.) and the related regulations of the U.S. Department of Transportation in Title 49 C.F.R. Part 21, all as amended.
16. Permittee, its successors and assigns, agree that if the Department determines it is necessary for the facilities or other encroachment authorized by the permit to be removed, relocated or reconstructed in connection with the reconstruction, relocation or improvement of a highway, the Department may revoke permission for the encroachment to remain under the permit and may order its removal, relocation or reconstruction by the permittee, its successors and assigns, at the expense of the permittee, except where the Department is required by law to pay any or all of those costs.

APPLICATION FOR ENCROACHMENT PERMIT

17. Permittee agrees that the authorized permit is personal to the permittee and shall remain in effect until such time as (a) the permittee's rights to the adjoining real property to have benefitted from the requested encroachment have been relinquished, (b) until all permit obligations have been assumed by appropriate successors and assigns, and (c) unless and until a written release from permit obligations has been granted by the Department. The permit and its requirements shall also bind the real property to have benefitted from the requested encroachment to the extent permitted by law. The permit and the related encroachment become the responsibility of the successors and assigns of the permittee and the successors and assigns of each property owner benefitting from the encroachment, or the encroachment may not otherwise permissibly continue to be maintained on the right-of-way. (Does not apply to utility encroachments serving the general public.)
18. If work authorized by the permit is within a highway construction project in the construction phase, it shall be the responsibility of the permittee to make personal contact with the Department's Engineer on the project in order to coordinate all permitted work with the Department's prime contractor on the project.
19. This permit is not intended to, nor shall it, affect, alter or alleviate any requirement imposed upon the permittee, its successors and assigns, by any other agency.
20. Permittee, its successors and assigns, agree to contain and maintain all dirt, mud, and other debris emanating from the encroachment away from the surrounding right-of-way and the travel way of the highway hereafter and at all times that its obligations under the permit remain in effect.
21. Before You Dig: The contractor is instructed to call 1-800-752-6007 to reach KY 811, the One-Call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that the owners of underground facilities are not required to be members of the KY 811 One-Call Before U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Clerk to determine what utility companies have facilities in the area.
22. The undersigned Utility acknowledges ownership and control of the facilities proposed to be installed, modified, or extended by the Applicant/Permittee and agrees to be bound by the requirements and terms of this application and all related documents making up the approved permit, by the Department's Permits Guidance Manual, and by all applicable regulations and statutes in effect on the date of issuance of the permit. This information and application is certified correct to the best knowledge and belief of the undersigned Utility.

UTILITY

NAME (Utility Representative)

TITLE (Utility Representative)

SIGNATURE (Utility Representative)

DATE



To Submit a Locate Request
24 Hours a Day, Seven Days a Week:
Call 811 or 800-752-6007

Private/Farm Entrance Specifications

1. All work to be done is the responsibility and expense of the applicant, and to be done in accordance with the current edition of the KTC "Standard Specifications" and "Standard Drawings", and as required by the County Maintenance Foreman or Maintenance Engineer. The Applicant is responsible for all grading and clearing required to install the private/farm entrance, and to obtain and maintain sight distance required by the Department.
2. If required, the applicant is to install an entrance pipe, headwall, and paving materials, as directed by this permit or the local County Maintenance Foreman or Maintenance Engineer.
3. All permanent surface material installed is to be installed flush with the mainline paving surface, or as otherwise agreed to by the local County Maintenance Engineer or Maintenance Foreman, not to exceed $\frac{3}{4}$ " above the mainline surface elevation.
4. All headwalls, inlets, ditch work, etc. installed with this permit application, are the responsibility of the applicant to install and to maintain.
5. No monument style mailboxes, brick/stone/other, are to be installed on the right of way. If one is installed, the applicant agrees that that receptacle will be deemed to be 'an illegal receptacle for the receipt of mail' as defined by US Postal Regulations. Mailboxes are to be installed per the "USPS Guidelines for Mailbox Installation". Consult the local USPS Postmaster for details.
6. All signs and control of traffic shall be in accordance with the Manual on Uniform Traffic Control Devices, latest version.
7. The traveled-way and shoulders shall be kept clear of mud and other construction debris at all times during the construction of this project.
8. If the mainline roadway pavement is damaged due to work on this project, at the discretion of the County Foreman or Maintenance Engineer, the mainline pavement base is to be repaired as required in detail TC 99-13, "Surface Restoration Methods". The thickness of concrete to be 12" thick, and the asphalt thickness to be a minimum 2". The width of the base repair is to be a minimum of 2" wide to the maximum width of the pavement damage. The longitudinal edge of the repair is to be saw-cut. The concrete base to be covered with a minimum 2" asphalt surface. The joint between the new and existing paving to be sealed with an approved joint sealer.
9. Ditch-lines are to be graded to drain, as required, and to be restored to their existing condition or better. Particular problem conditions should be brought to the attention of the Maintenance Foreman for direction.
10. Working hours in the right of way are to be from 9:00 am to 3:30 pm unless otherwise approved by the Maintenance Engineer or Maintenance Foreman.
11. The applicant shall comply with the applicable provisions of KRS Chapters 220 and 224 of the State Water Pollution Control Laws and other applicable statutes relating to the prevention of abatement of water pollution. The applicant is also to comply with the requirements of any Federal or State agency that may have jurisdictional control over the lands in which the project is constructed.

APPLICANT INITIALS: _____

Commonwealth of Kentucky
Transportation Cabinet
Department of Highways, District 5
Private Entrance Plan & Profile Sheet

Applicant Name _____

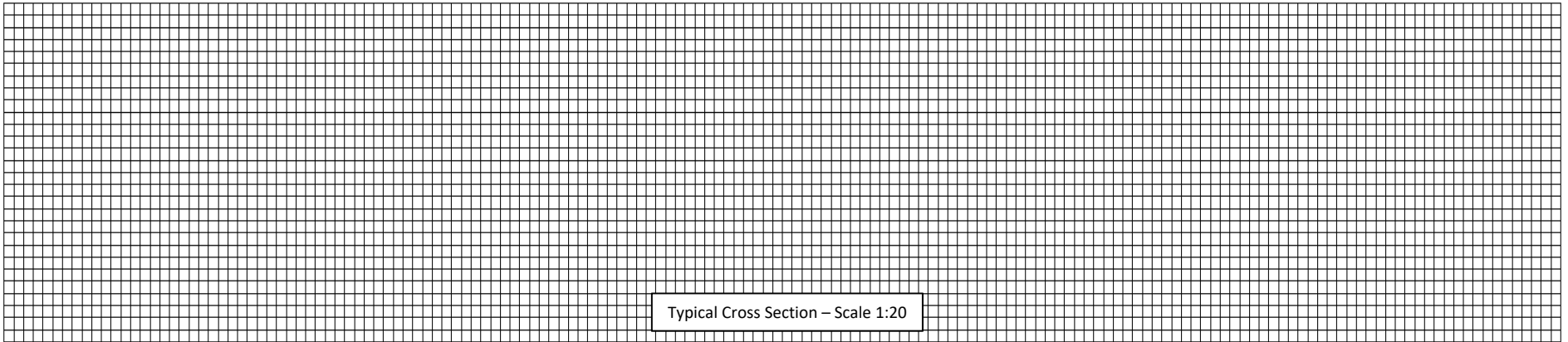
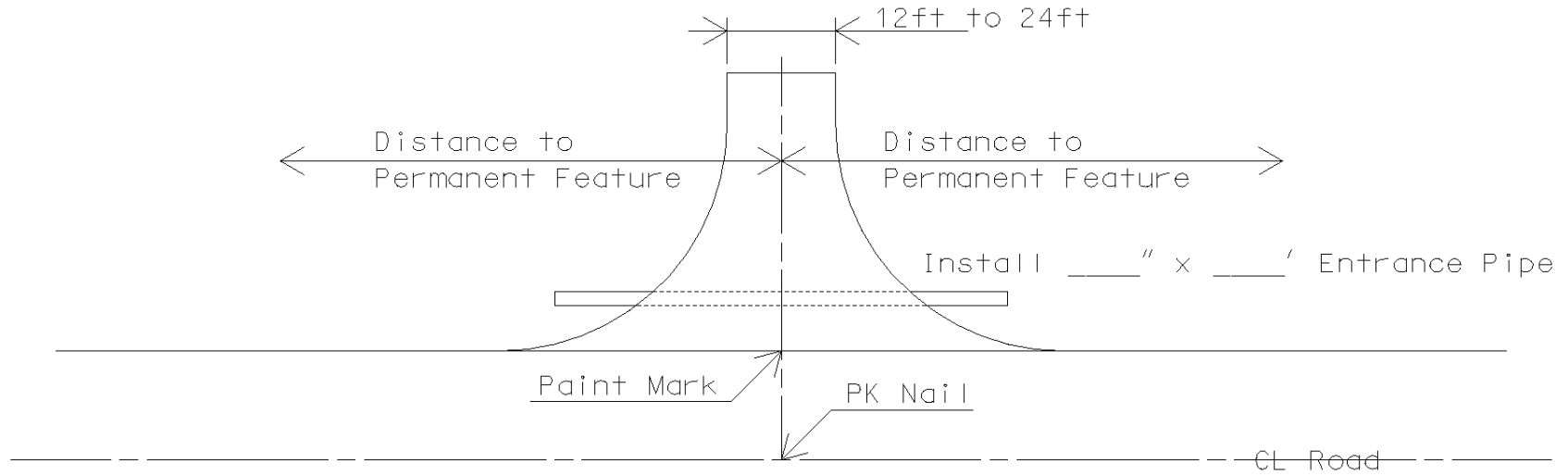
County _____

Left

Route # _____

Mile Marker _____

Right



Applicant Initials _____

KYTC Authorized Signature: _____

PIPE DIA. (IN)	PIPE TYPE	CIRCULAR PIPE COVER HEIGHTS IN FEET						PIPE DIA. (IN)	PIPE TYPE	CIRCULAR PIPE COVER HEIGHTS IN FEET																
		2-5	5-10	10-15	15-20	20-25	25-30			2-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	60-65				
12 & 15	2 2/3" x 1/2" CSPHS (1)	16 GA.						21	2 2/3" x 1/2" CSPHS (1)	16 GA.																
	2 2/3" x 1/2" CSPLS (1)	16 GA.							2 2/3" x 1/2" CSPLS (1)	16 GA.														10 GA.		
	2 2/3" x 1/2" CAPHS	16 GA.							2 2/3" x 1/2" CAPHS	16 GA.																
	PVC	SMOOTH WALL (SOLID WALL)							SRS (1)	16 GA.																
	HDPE								SRA	16 GA.														14 GA.		
	RCP (11)								PVC	RIBBED (PROFILE WALL)																
	HDPE													HDPE	FF											
														RCP (11)												
18	2 2/3" x 1/2" CSPHS (1)	16 GA.						24	2 2/3" x 1/2" CSPHS (1)	16 GA.						14 GA.										
	2 2/3" x 1/2" CSPLS (1)	16 GA.							2 2/3" x 1/2" CSPLS (1)	16 GA.						10 GA.										
	2 2/3" x 1/2" CAPHS	16 GA.							2 2/3" x 1/2" CAPHS	16 GA.						14 GA.	12 GA.									
	SRS (1)	16 GA.							SRS (1)	16 GA.						14 GA.	12 GA.									
	SRA	16 GA.							SRA	16 GA.						14 GA.	10 GA.									
	PVC	RIBBED (PROFILE WALL)							PVC	RIBBED (PROFILE WALL)																
HDPE							HDPE	FF																		
RCP (11)							RCP (11)																			
		2-5	5-10	10-15	15-20	20-25	25-30			2-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	60-65				

~ NOTES ~

- ① GAGES FOR CORRUGATED STEEL PIPE ITEMS SHOWN ARE BASED ON ALUMINUM-COATED TYPE 2 STEEL AS PER AASHTO M-274. ALUMINUM COATED TYPE 2 STEEL IS ONLY PERMITTED IN Ph RANGES OF 5 TO 9
2. WHEN CORRUGATED STEEL PIPE IS ZINC COATED (GALVANIZED) THE GAGE SHALL BE ONE GAGE HEAVIER THAN SHOWN IN THE TABLES.
3. CSP, CAP, SRS AND SRA ARE SHOWN IN GAGE.
4. MAXIMUM COVER HEIGHT IS MEASURED FROM THE TOP OF PIPE TO SUBGRADE ELEVATION SHALL GOVERN GAGE OF PIPE TO BE USED FOR THE ENTIRE LENGTH OF PIPE INSTALLATION.
5. MINIMUM COVER HEIGHTS FOR PIPE SHALL BE 2 FEET. GAGE OF PIPE FOR COVER HEIGHTS LESS THAN 2 FEET SHALL BE THAT SHOWN FOR COVER HEIGHTS OF 30 FEET (SEE STD. SPECIFICATIONS FOR BACKFILL). HDPE AND PVC SHALL NOT BE PERMITTED FOR COVER HEIGHTS LESS THAN 2 FEET.
- ⑥ 24" DIA. PIPE IS MINIMUM SIZE FOR COVER HEIGHTS FROM 30 FEET TO 65 FEET.
7. MINIMUM COVER HEIGHT FOR ENTRANCE PIPE SHALL BE 0.5 FEET.
8. GAGE OF ENTRANCE PIPE FOR COVER HEIGHTS LESS THAN 2 FEET SHALL MEET THE FOLLOWING REQUIREMENTS:
 - a. GAGE OF CSP SHALL BE THAT SHOWN FOR HEIGHTS OF 30 FEET.
 - b. GAGE OF CAP SHALL BE ONE GAGE HEAVIER THAN SHOWN IN THE TABLE.
9. ALL CIRCULAR STRUCTURAL PLATE SHALL BE 5% VERTICALLY ELONGATED.
10. SEE CUR. STD. DWG. RDI-035 FOR COATINGS, LININGS AND PAVINGS FOR NON-STRUCTURAL PIPE.
- ⑪ SEE CUR. STD. DWGS. RDI-021 AND RDI-026 FOR RCP COVER HEIGHT AND BEDDING REQUIREMENTS.

LEGEND

- CSPHS: CORRUGATED STEEL PIPE WITH HELICAL LOCK SEAM OR HELICAL WELDED SEAM (HELICAL CORR.)
- CSPLS: CORRUGATED STEEL PIPE WITH LONGITUDINAL RIVETED OR SPOT WELDED SEAM (ANNULAR CORR.)
- CAPHS: CORRUGATED ALUMINUM ALLOY PIPE WITH HELICAL LOCK SEAM (HELICAL CORR.)
- HDPE: HIGH DENSITY POLYETHYLENE PIPE
- PVC: POLYVINYL CHLORIDE
- SRS: SPIRAL RIB STEEL
- SRA: SPIRAL RIB ALUMINUM
- RCP: CIRCULAR REINFORCED CONCRETE PIPE
- FF: FLOWABLE FILL REQUIRED

USE WITH CUR. STD. DWGS.
RDI-021, RDI-026, RDI-035

KENTUCKY	
DEPARTMENT OF HIGHWAYS	
CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS	
STANDARD DRAWING NO. RDI-001-10	
SUBMITTED <i>William P. Gullett</i>	DATE 12-01-15
DIRECTOR, DIVISION OF DESIGN	
APPROVED <i>[Signature]</i>	DATE 12-01-15
STATE HIGHWAY ENGINEER	

12" PIPE - 24" PIPE

PIPE DIA. (IN)	PIPE TYPE	CIRCULAR PIPE COVER HEIGHTS IN FEET ⁽³⁾											
		2-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60
27 & 30 (8)	2 2/3" x 1/2" CSPHS (1)	16 GA.						14 GA.			12 GA.		
	2 2/3" x 1/2" CSPLS (1)	16 GA.				12 GA.				10 GA.			
	2 2/3" x 1/2" CAPHS	14 GA.						12 GA.			10 GA.		
	SRS (1)	16 GA.						14 GA.			12 GA.		
	SRA	16 GA.			14 GA.			12 GA.			10 GA.		
	PVC	RIBBED (PROFILE WALL)											
	HDPE							FF					
	RCP (10)	/											
36	2 2/3" x 1/2" CSPHS (1)	14 GA.						12 GA.			10 GA.		
	2 2/3" x 1/2" CSPLS (1)	14 GA.				12 GA.				10 GA.			
	2 2/3" x 1/2" CAPHS	14 GA.						12 GA.			10 GA.		
	SRS (1)	14 GA.						12 GA.			10 GA.		
	SRA	14 GA.			12 GA.			10 GA.					
	PVC	RIBBED (PROFILE WALL)											
	HDPE							FF					
	RCP (10)	/											
42	2 2/3" x 1/2" CSPHS (1)	14 GA.						12 GA.			10 GA.		
	2 2/3" x 1/2" CSPLS (1)	14 GA.				12 GA.				10 GA.			
	2 2/3" x 1/2" CAPHS	12 GA.						10 GA.			8 GA.		
	SRS (1)	14 GA.						12 GA.					
	SRA	12 GA.			10 GA.								
	PVC	RIBBED (PROFILE WALL)											
	HDPE							FF					
	RCP (10)	/											

LEGEND

CSPHS: CORRUGATED STEEL PIPE WITH HELICAL LOCK SEAM OR HELICAL WELDED SEAM (HELICAL CORR.)

CSPLS: CORRUGATED STEEL PIPE WITH LONGITUDINAL RIVETED OR SPOT WELDED SEAM (ANNULAR CORR.)

CAPHS: CORRUGATED ALUMINUM ALLOY PIPE WITH HELICAL LOCK SEAM (HELICAL CORR.)

HDPE: HIGH DENSITY POLYETHYLENE PIPE

PVC: POLYVINYL CHLORIDE

SRS: SPIRAL RIB STEEL

SRA: SPIRAL RIB ALUMINUM

RCP: CIRCULAR REINFORCED CONCRETE PIPE

FF: FLOWABLE FILL REQUIRED

NOTES CONTINUED

(10) SEE DETAIL SHEET "PIPE BEDDING FOR CULVERTS, ENTRANCE, AND STORM SEWER REINFORCED CONC. PIPE" AND DETAIL SHEET "PIPE BEDDING TRENCH CONDITION REINFORCED CONC. PIPE" FOR RCP COVER HEIGHT AND BEDDING REQUIREMENTS.

~ NOTES ~

- GAGES FOR CORRUGATED STEEL PIPE ITEMS SHOWN ARE BASED ON ALUMINUM-COATED TYPE 2 STEEL AS PER AASHTO M-274. ALUMINUM COATED TYPE 2 STEEL IS ONLY PERMITTED IN PH RANGES OF 5 TO 9.
- WHEN CORRUGATED STEEL PIPE IS ZINC COATED (GALVANIZED) THE GAGE SHALL BE ONE GAGE HEAVIER THAN SHOWN IN THE TABLES.
- SEE CUR. STD. DWG. RDI-001 FOR EXPLANATION OF COVER HEIGHTS LESS THAN 2 FEET.
- CSP, CAP, SRS AND SRA ARE SHOWN IN GAGE.
- MAXIMUM COVER HEIGHT MEASURED FROM TOP OF PIPE TO SUB GRADE ELEVATION SHALL GOVERN GAGE OF PIPE TO BE USED FOR ENTIRE LENGTH OF PIPE INSTALLATION.
- MINIMUM COVER HEIGHT FOR ENTRANCE PIPE SHALL BE 0.5 FEET.
- ALL CIRCULAR STRUCTURAL PLATE SHALL BE 5% VERTICALLY ELONGATED.
- ENTRANCE PIPE GREATER THAN 30" DIA. SHALL BE A CULVERT PIPE.
- SEE CUR. STD. DWG. RDI-035 FOR COATINGS, LININGS AND PAVINGS FOR NON-STRUCTURAL PIPE.

27" PIPE - 42" PIPE

USE WITH CUR. STD. DWGS.
RDI-001, RDI-035

KENTUCKY	
DEPARTMENT OF HIGHWAYS	
CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS	
STANDARD DRAWING NO. RDI-002-05	
SUBMITTED <i>William P. Gullett</i>	12-01-15
<small>DIRECTOR, DIVISION OF DESIGN</small>	
APPROVED <i>[Signature]</i>	12-01-15
<small>STATE HIGHWAY ENGINEER</small>	
<small>DATE</small>	