



Vehicles/equipment left onsite unattended? ☐ Yes ☐ No

Town of Cicero 331 E Jackson Street Cicero, IN 46034 317-984-5845

Office Hours: Mon-Fri 8:00 To 4:30

Unattended for: weekdays weekends

ENCROACHMENT PERMIT APPLICATION

 The applicant named below requests permission to encroach on the following public For Office Use Only right-of-way, street, sidewalk, alley, or other public space at the location described below. Permit Number _____ Applicant shall submit one original application, with plans attached, either in person or by mail. Expires · No verbal transmissions will be accepted. Fax transmissions will not be accepted. Permit Fee _____ · You may pay by check or credit card. If you wish to pay by credit card, please visit paygov.us at https://pay.paygov.us/EndUser/PaymentAgency.aspx?ttid=12936; there will be a fee to pay by Fee Waived credit card. If you prefer to pay with a check, please make the check payable to: Town of Cicero, 331 E Jackson Street, Cicero, IN 46034. Estimated Completion Date: Application Date: ___ Work Address: ____ _____ Subdivision: _____ Name of Contractor/Utility: ____ Name of Sub-Contractor: Address:____ City:_____State: Zip:_____ _____State: Zip: ______ City: ______Fax:_______ Phone: ____ Phone: Fax:_____ Email: Email: IUPPS Number: _____ LOCATION: Street □Alley □Sidewalk □Shoulder/Berm TYPE: □ Trench □Other □ New Construction □ Existing Construction ☐ Water ☐ Gas □ Electric □ Phone □ CATV □ Sewer □Irrigation Please describe proposed work: ____ *Please contact Frank Zawadzki at (317) 984-5845 twenty-four hours prior to pouring concrete* SIZE OF STREET OR RIGHT-OF-WAY CUT Traffic Lanes: Length:_____ Width:_____ Depth WithinLanes:____ Sidewalk: Length:_____ Width:_____ DepthWithinSidewalk:____ Type of Surface: ☐ Concrete ☐ Asphalt ☐ Asphalt Over Concrete ☐ Asphalt Over Brick ☐ Gravel-Dirt ☐ Brick TRAFFIC PORTION AFFECTED BY PERMIT Width: Length: # of Lanes: # of Lanes to be Closed: # of Hours Closed: #

TERMS AND CONDITIONS FOR ENCROACHMENT PERMIT

- It is understood that any permit by virtue of this request is revocable at the pleasure of the Town of Cicero and that the same shall be voided if the following terms and conditions are not fulfilled by the Permittee. The Permittee hereby agrees to observe all requirements of the Town of Cicero Construction Standard Specifications.
- 2. The undersigned shall notify the Cicero Utility Superintendent or their designee a minimum of 72 hours prior to the time that work is to be performed. The undersigned will furnish placards identifying equipment, flashers, barricades and/or other warning devices at the construction site. When two-way traffic is confined to one lane, flagging personnel shall be required. Permittee must follow Chapter XVII of Title 29, Code of Federal Regulation, Part 1926 known as Safety & Health Regulation for Construction.
- 3. In cases where the work authorized by the permit will cause major interference with traffic flow on streets, Permittee shall provide a uniformed traffic officer when requested by the Utility Superintendent or his representative to provide traffic control at the construction site. Work shall not be performed on any major arterials, streets and thoroughfares during rush hours or peak hours of vehicular traffic flow, unless in case of emergencies.
- 4. The Permittee shall not create a hazardous or unsafe situation at construction sites, which would cause injury or damage to vehicular and pedestrian traffic. The Permittee shall not leave unattended open cuts unprotected overnight or during weekend periods. Permission to use temporary steel plates or any authorized substitutes shall be requested at open cuts or construction sites. The Cicero Street and Utility Department or their designee shall be notified of these steel plates or substitutes by the Permittee.
- 5. All construction equipment and/or vehicles left unattended for any length of time shall be parked in locations as to not create hazardous and unsafe situations to vehicular and pedestrian flow. The construction equipment and/or vehicles shall be parked in such a manner as to not restrict sight distance to vehicular traffic. All construction equipment and/or vehicles are prohibited from driving on named trails, neighborhood perimeter trails, and sidewalks.
- 6. The Permittee shall hold harmless and indemnify the Town of Cicero from, for and against any claim of any person in tort, contract or otherwise arising out of the act or omissions of the Permittee, their agents, representatives, servants, contractors and the latter's subcontractors, whenever such acts or omissions or any rights or performance or exercise thereof of the Permittee arise under this permit from alteration, modernization, replacement, operation, maintenance, change or removal of any part or portion of the public right-of-way, or facility thereof. All existing utilities must be identified and located prior to all boring operations. Permittee and their sub-contractors shall be responsible for consequential damages to residents and businesses who are damaged during outages caused by these untimely accidents experienced by poorly coordinated utility borings and construction activities in the Town right-of-way.
- 7. The Permittee shall stipulate the type of materials and method of repair utilized to close any open cuts, subject to the Utility Director or his representative's approval.
- 8. The Permittee shall begin work within 45 working days from the date of application approval, and work must be completed within 60 working days of the application approval. Any construction and/or work not completed by this date shall be grounds to nullify and void this permit. Re-application would then be necessary.
- The Permittee shall be required upon completion of construction and/or work to notify the Town of Cicero Utility Director or their designee for inspection and verification. The construction and/or work shall be inspected prior to being accepted by the Town of Cicero as being complete.
 The Cicero Utility Director or their designee shall perform the inspection.
- 10. Upon the completion of all open street cuts, permanent patches shall be in place no later than 20 working days from the temporary patch inspection date. Any construction work or repair measures utilized to close any open cuts made under this permit that are found to be unsatisfactory shall be corrected within 10 working days by the Permittee. The Permittee shall be responsible to maintain and repair any and all open cuts granted by this permit for a period of one year upon final acceptance, unless the Town of Cicero and/or other utilities, contractors or subcontractors or other parties remove, damage, modernize, replace, change any part or portion of the public right-of-way or facility or thereof granted under this permit.
- 11. Upon completion/acceptance by the Utility Director as-bulits must be provided (print and CD form) within 30 days of completion.

ignature of Applicant:		Title:	
inted Name:		Date:	
ompany Name:		Phone Number:	
For Office Use Only:			
Traffic Control Personnel: ☐ YES ☐ NO	Uniform Police: ☐ YES ☐ NO	Number of Personnel Necessary:	
Steel Plates or other authorized substitu	te to be used? YES NO (If yes,	refer to #4 above)	
Type of materials and methods used to of another method has been pre-approved.		form to Attachment A.	
Town of Cicero	Project Manager/when applica	Date Approved	

DIRECTIONS FOR USE

- 1. THE ENTIRE SET OF FULL SIZE STANDARDS SHALL BE ATTACHED TO THE CONSTRUCTION DRAWINGS AND SHALL BE CONSIDERED PART THERETO, PARTIAL SET MAY BE USED FOR SMALL PROJECTS WHEN APPROVED BY THE TOWN OF CICERO. THE DESIGN ENGINEER WILL CERTIFY THE STANDARDS WITH ANY DESIRED CHANGES BEING MADE ONLY IF APPROVED IN WRITING BY THE TOWN OR ITS APPOINTED REPRESENTATIVE.

 2. DETAILS PREPARED BY OUTSIDE SOURCES SHALL NOT BE
- INCLUDED IN THE CONSTRUCTION DRAWINGS WHEN SAID DETAILS
- STANDARDS.

 J. INDIVIDUAL TOWN OF CICERO STANDARDS THAT DO NOT APPLY REFERENCE NOTATIONS MAY BE PLACED ADJACENT TO INDIVIDUAL STANDARD TITLES FOR COORDINATION, HOWEVER, THE STANDARDS THEMSELVES SHALL NOT BE MOORTED IN ANY WAY.

 4. DETAILS PREPARED BY OUTSIDE SOURCES COVERING WORK WHICH
- OCINICS PACEFUL OF COLORS SOURCE SOURCE OVERHIRE HOW HIGH HIGH IS NOT COVERED BY TOWN OF CICERO STANDARDS ARE THE SOUR RESPONSIBILITY OF THE DESIGN ENGINEER AND SHALL BE PLACED ON SHEETS OTHER THAN THE TOWN OF CICERO STANDARDS
- ON SHEETS OTHER THAN THE TOWN OF CICERO STANDARDS
 SHEETS.

 5. THE TOWN OF CICERO STANDARDS SHALL BE USED IN
 CONJUNCTION WITH THE UNIFIED DEVELOPMENT ORDINANCE. IN
 CASE OF CONFLICT WITH SAID DOCUMENTS, THE TOWN OF CICERO
 CONSTRUCTION STANDARDS SHALL COVERN.

 6. THE DEVELOPER AND HIS AGENTS, ENGINEER AND
- REPRESENTATIVES SHALL BE SOLELY RESPONSIBLE FOR THE APPLICATION, COORDINATION AND USE OF THE TOWN STANDARDS.

 7. IT IS UNDERSTOOD THAT THESE STANDARDS ARE A GUIDE ONLY AND THAT THE TECHNICAL ADVISORY COMMITTEE (T.A.C.) AND/OR OTHER TOWN REPRESENTATIVES MAY REQUIRE OTHER STANDARDS
- 8. ALL TESTING TO BE PROVIDED IN ACCORDANCE WITH THESE AND THE SPECIFICATION FORMATTED STANDARDS AS WELL AS PERMIT AND STATUTORY REQUIREMENTS.

GENERAL NOTES

- 1. CONTRACTOR SHALL VERHEY 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 REPARRING OR REPLACING DAMAGED UTILITIES TO THE SATISFACTION OF THE TOWN OF CICERO AND THE OWNER OF THE SATISFACTION OF THE TOWN OF CICERO AND THE OWNER OF THE ATTEMPT OF THE TOWN.
- UTILITIES TO THE SATISFACTION OF THE TURM UF CREMU AND THE OWNER OF THE AFFECTED UTILITY.

 2. PRIOR TO TOWN APPROVAL AND CONSTRUCTION, ALL CONSTRUCTION DRAWNICS SHALL BE SUBMITTED TO THE TOWN OF CICERO IN PAPER FORMAT. ALL COORDINATE DATA SHALL BE COMPUNITY WITH THE STATE PLANE COORDINATE SYSTEMS WITH UNITS PROVIDED IN U.S. SURVEY FEET, ALL BENCHMARKS AND THE STATE SHALL BENCHMARKS AND THE STATE OF THE PLANE COORDINATE SYSTEMS WITH UNITS PROVIDED IN U.S. SURVEY FEET, ALL BENCHMARKS AND THE STATE OF THE PLANE OF THE PROPERTY OF THE PROPE ELEVATIONS SHALL BE FROM THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD).
- A WHEREVER PROPRIETARY EQUIPMENT IS SPECIFIED, ALL
 PROPOSALS FOR SUBSTITUTION SHALL BE SUBMITTED IN WRITING
 TO THE TOWN OF CICERO AND SHALL BE SUBJECT TO THE
 EMPINES DESIGNED. FINDINGS THERETO.

 4. PLAN AND PROFILE DRAWINGS AND INDIMOUAL DETAILS PREPARED
- BY OUTSIDE SOURCES SHALL BE PROVIDED FOR REVIEW BY THE TECHNICAL ADVISORY COMMITTEE (T.A.C.) AND OTHER TOWN REPRESENTATIVES. ANY PROJECT WITH INFRASTRUCTURE IMPROVEHENTS SHALL COMMENCE WITH CONSTRUCTION NO LATER THAN 6 MONTHS FROM T.A.C. APPROVAL, OR SHALL BE SUBJECT TO A SUBSEQUENT TOWN AND T.A.C. APPROVAL.
- TO A SUBSECUENT TOWN AND TACE APPROVAL.

 5. AS-BULT RECORD DRAWINGS, PREPARED BY OUTSIDE SOURCES,
 SHALL BE ACCOMPANIED WITH A DETAILED INVENTORY OF ALL
 FIXED ASSETS. THO FULL SETS OF RECORD DRAWINGS SHALL BE
 SUBMITTED TO THE TOWN OF CICERO IN BOTH PAPER AND
 ELECTRONIC FORMATS. A CERTIFIED LETTER OF ATTESTMENT SHALL
 ACCOMPANY THE DRAWINGS. THE LETTER OF ATTESTMENT SHALL
 ACCOMPANY THE DRAWINGS. THE LETTER OF ATTESTMENT SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER OR REGISTERED LAND SURVEYOR. DIGITAL FILES SHALL BE IN A FORMAT
- COMPATIBLE WITH THE TOWN'S GIS SYSTEM AND DATA BASE.
 6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A SAFE CONSTRUCTION SITE AND FOR KEEPING SURROUNDING STREETS NEAT AND CLEAN, THE CONTRACTOR SHALL PROVIDE ALL TRAFFIC
- 7. ALL EROSION CONTROL/DRAINAGE REQUIREMENTS OF HAMILTON
- COUNTY APPLY AND ARE MUDE A PART OF THESE STANDARDS.

 8. ALL TESTING TO BE PROVIDED IN ACCORDANCE WITH THESE AND THE SPECIFICATION FORMATTED STANDARDS AS WELL AS PERMIT AND STATUTORY REQUIREMENTS.

 9. SEE TOWN OF CICERO STANDARD SPECIFICATIONS FOR ADDITIONAL
- REQUIREMENT DETAILS.
- ACCUMENTALED INFRASTRUCTURE TO BE DEDICATED TO THE TOWN AND GUARANTEED AND BONDED FOR A 3 YEAR PERIOD FOLLOWING TOWN ACCEPTANCE.

SHEET INDEX

- 1. DIRECTIONS FOR USE, GENERAL NOTES AND SHEET INDEX
- 2. RIGHT-OF-WAY & UTILITY EASEMENT GUIDEUNES
- J. RIGHT--OF--WAY & UTILITY EASEMENT GUIDELINES &
- 4. PAVEMENT, CURB & SIDEWALK DETAILS AND NOTES
- 5. MISCELLANEOUS DETAILS AND NOTES
- 6. STORM SEWER DETAILS AND NOTES
- 7. STREET RESTORATION DETAILS
- 8. STREET SIGNS AND PAVEMENT MARKINGS
- 9. SANITARY SEWER DETAILS AND NOTES
- 10. WATER SYSTEM DETAILS AND NOTES
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- 14. DETENTION POND DETAILS AND NOTES
- 15. MISCELLANEOUS DETAILS
- 16. MISCELLANEOUS SPECIFICATIONS

REVISIONS

Rev. No. Description

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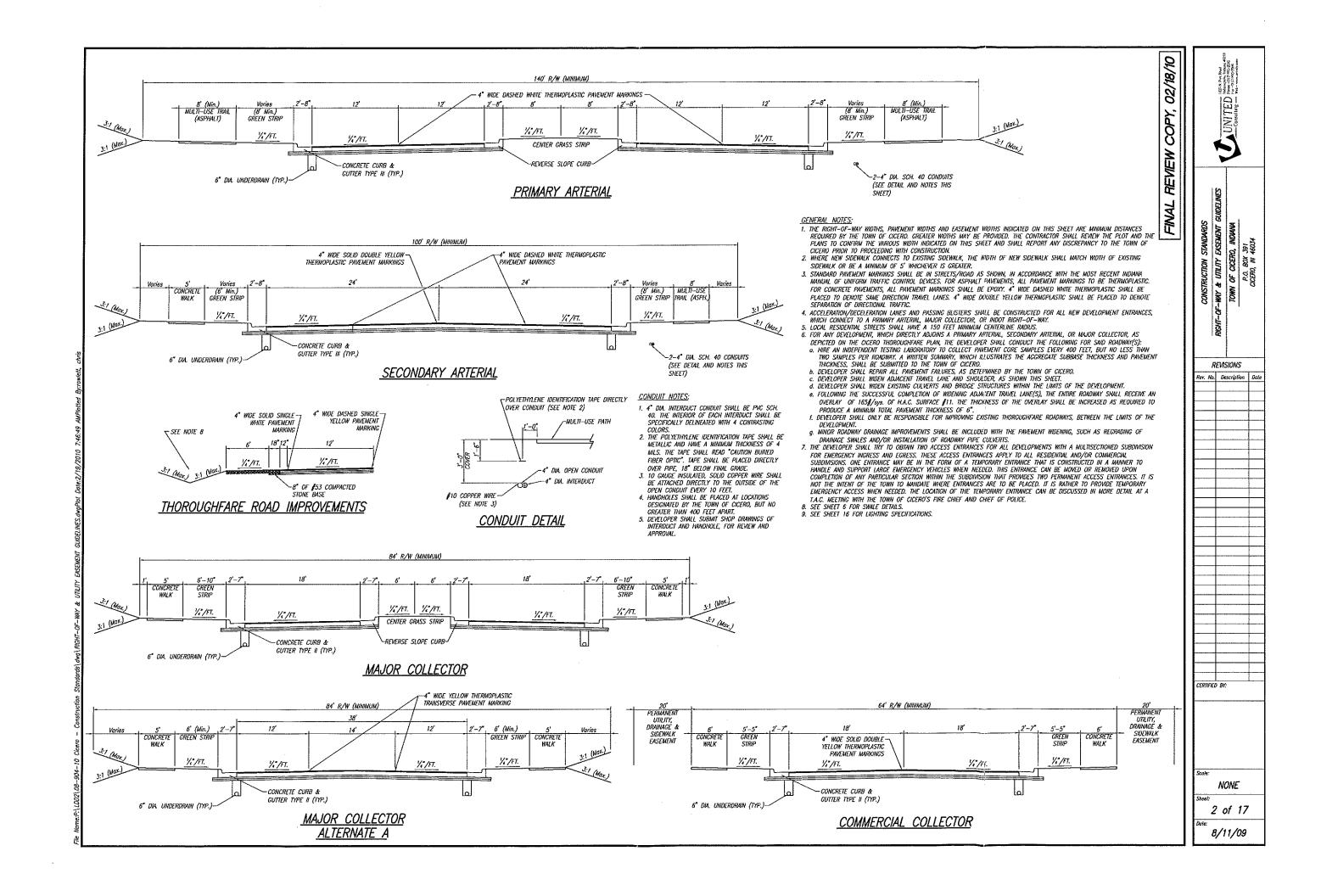


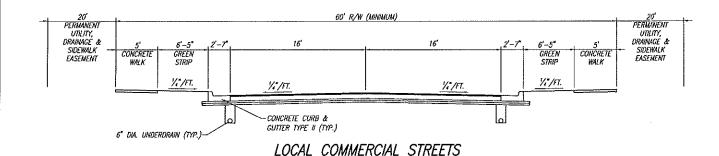
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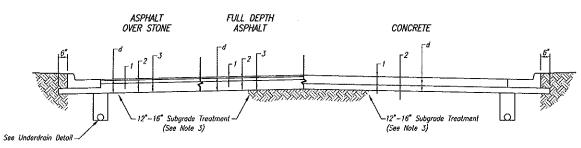
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5/18/09







LOCAL/RESIDENTIAL

 $d = 13\frac{1}{2}$

1) 11/2" HMA Surface, 9.5mm

(2) 4" HMA Intermediate, 19.0mm

(3) 8" Compacted Aggregate Base #53

 $d = 9\frac{1}{2}$ 1) 11/2" HMA Surface, 9.5mm

(2) 3" HMA Intermediale, 19.0mm

(2) 4" Compacted Aggregate Base #53

(3) 5" HMA Base, 25.0mm

MAJOR COLLECTOR d = 141/2"

1) 11/2" HMA Surface, 9.5mm

(3) 4" HMA Base, 25.0mm

(5) 4" HMA Base, 25.0mm

(2) 3" HMA Intermediate, 19.0mm

d = 161/2"

1) 11/2" HMA Surface, 9.5mm

(2) 3" HMA Intermediate, 19.0mm

(3) 4" HMA Base, 25.0mm

(4) 2" HMA Intermediate, C19.0mm

(4) 2" HMA Intermediate, C19.0mm

(5) 6" Compacted Aggregate Base #53

PRIMARY ARTERIAL/SECONDARY ARTERIAL/COMMERCIAL COLLECTOR

 $d = 19\frac{1}{2}$ 1) 11/2" HMA Surface, 9.5mm

(2) 3" HMA Intermediale, 19.0mm

 $d = 16\frac{1}{2}$

 $d = 19^{\circ}$ (1) 10" Concrete

2) 3" Coarse Aggregate #8 Over 6" Coarse Aggregate #53

 $d = 10^{\circ}$

 $d = 18^{\circ}$

(2) 3" Coorse Aggregale #8 Over

(1) 6" Concrete

(1) 9" Concrete

(1) 11/2" HMA Surface, 9.5mm

(2) 3" HMA Intermediate, 19.0mm

(4) 2" HMA Intermediate, C19.0mm

(3) 4" HMA Bose, 25.0mm

(3) 4" HMA Bose, 25.0mm

(4) 2" HMA Intermediate, C19.0mm

(6) 6" Compacted Aggregate Base #53

(5) 3" HMA Base, 25.0mm

(5) 6" HMA Base, 25.0mm

PAVEMENT CONSTRUCTION

PAVEMENT CONSTRUCTION:

- 1. SUBBASE AND SUBGRADE SHALL BE PLACED TO AT LEAST 100 PERCENT OF MAXIMUM DRY DENSITY, IN ACCORDANCE WITH AASHTO T99. COMPACTION TESTS SHALL BE AT THE CONTRACTOR'S EXPENSE AND SHALL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY, TEST RESULTS SHALL BE SUBMITTED TO THE TOWN OF CICERO FOR CONSIDERATION OF ACCEPTANCE OF MAINTENANCE BOND. ONE IN-PLACE DENSITY TEST SHALL BE COMPLETED FOR EACH LIFT FOR EVERY 400 LINEAR FEET PER TRAFFIC LANE.

 COARSE AGGREGATE SHALL NOT BE PLACED WHEN AMBIENT TEMPERATURE IS BELOW 35'F NOR PLACED ON FROZEN SUBBASE OR SUBGRADE.
- COARSE AGENERAL FAIL NOT BE PLACED WHEN AMBIENT TEMPERATURE IS BELOW 357 NOW PLACED ON THOLEN ON THOLEN SUBBASE ON SUBBAGE COURSES OF ASPHALT PAVEMENT, IMMEDIATELY PRIOR TO APPLICATION OF SURFACE COARSE. APPLY TACK COAT TO CONTACT SURFACES OF PREVIOUSLY CONSTRUCTED ASPHALT PAVEMENT, MISCONDAINCE WITH THE MOST RECENT INDOT STANDARD SPECIFICATIONS. APPLICATION OF TACK COAT 0.05 TO 0.15 CALLONS PER SQUARE YARD OF SURFACE AREA, AND IN ACCORDANCE WITH THE MOST RECENT INDOT STANDARD SPECIFICATIONS. APPLICATION OF TACK COAT SHALL ONLY BE PERMITTED WHEN BINDER COARSE IS DRY, FREE OF DEDRIS, AND ANDIENT TEMPERATURE IS 40°F AND RISING.

 3. WHEREVER RIGID PAYEMENT IS TO BE USED, THE CONTRACTOR SHALL SUBMIT A DETAILED PAYING PLAN TO THE TOWN OF CICERO. THE PAYING PLAN SHALL ILLUSTRATE THE
- LOCATION AND TYPE OF JOINTING TO BE USED IN THE CONSTRUCTION. THE LOCATION AND TYPE OF JOINTING SHALL MEET THE REQUIREMENTS OF THE MOST RECENT INDOT
- 4. THE PRIMARY AND SECONDARY ARTERIAL PAVEMENT SECTION THICKNESS SHOWN ARE MINIMUM REQUIREMENTS. CALIFORNIA BEARING RATIO (CBR) TESTS SHALL BE PERFORMED TO VERIFY PAVEMENT THICKNESS DESIGNS, CBR TESTS SHALL BE SUBMITTED TO THE TOWN OF CICERO AS PART OF THE T.A.C. SUBMITTAL.
- 5. CONCRETE CURBS AND SIDEMANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH INDOT SPECIFICATIONS, SECTIONS 604 AND 605. CONTROL JOINTS SHALL BE SPACED 10 FEET APART, SAW CUTS OF TOOLED JOINTS SHALL BE UNIFORM, VERTICAL AND NEAT. 6. CONSTRUCT HOT-MIXED ASPHALT SURFACE COURSE WHEN AMBIENT TEMPERATURE IS ABOVE 40'F AND RISING. BINDER AND BASE COURSES SHALL BE PLACED WHEN AMBIENT
- 7. FOR COLU-WEATHER CONCRETE PLACEMENT, CONTRACTOR SHALL COMPLY WITH PROVISIONS OF ACI 306R FOR PROTECTION FROM PHYSICAL DAMAGE OR REDUCED STRENGTH. FOR HOT WEATHER CONCRETE PLACEMENT, CONTRACTOR SHALL COMPLY WITH PROVISIONS OF ACI 305R FOR PROTECTION FROM PHYSICAL DAMAGE OR REDUCED STRENGTH, AS ASSOCIATED WITH RAPID MOISTURE LOSS.
- PROVIDE AIR CONTENT AND CONCRETE SLUMP TEST IN ACCORDANCE WITH ASTM C143 WITH ONE TEST AT POINT OF DISCHARGE FOR EACH DAYS POUR OF EACH TYPE OF CONCRETE; ADDITIONAL TESTS WHEN CONCRETE CONSISTENCY SEEMS TO HAVE CHANGES.
- PROVIDE ONE SET OF THREE (3) STANDARD CYLINDERS FOR EACH COMPRESSIVE STRENGTH TEST. MOLD AND STORE CYLINDERS FOR LAUORATORY CURED TEST SPECIMENS EXCEPT WHEN EFID-CHRED SPECIMENS ARE REQUIRED. ONE SET FOR EACH DAY'S POUR EXCEEDING 5 CU. YD. PLUS ADDITIONAL SETS FOR EACH OVER 50 CU. YD. OVER AND ABOVE THE FIRST 25 CU. YD. OF EACH CONCRETE CLASS PLACED IN ANY ONE DAY; ONE SPECIMEN TESTED AT 7 DAYS, ONE SPECIMEN TESTED AT 28 DAYS, AND ONE SPECIMEN RETAINED IN RESERVE FOR LATER TESTING IF REQUIRED. COMPRESSIVE STRENGTH TESTS IN ACCORDANCE WITH ASTM C39.

10. ALL CONCRETE AND ASPHALT TESTS TO BE PERFORMED BY A TOWN APPROVED INDEPENDENT TESTING LABORATORY.

GENERAL NOTES:

1. THE RIGHT-OF-WAY WIDTHS, PAVEMENT WIDTHS AND EASEMENT WIDTHS INDICATED ON THIS SHEET ARE MINIMUM DISTANCES REQUIRED BY THE TOWN OF CICERO. GREATER WIDTHS MAY BE PROVIDED. THE CONTRACTOR SHALL REVIEW THE PLOT AND THE PLANS TO CONFIRM THE VARIOUS WIDTH INDICATED ON THIS SHEET AND SHALL REPORT ANY DISCREPANCY TO THE TOWN OF CICERO PRIOR TO PROCEEDING WITH CONSTRUCTION.

2. WHERE NEW SIDEWALK CONNECTS TO EXISTING SIDEWALK, THE WIDTH OF NEW SIDEWALK SHALL MATCH WIDTH OF EXISTING

SIDEWALK OR BE A MINIMUM OF 5' WHICHEVER IS GREATER.

3. STANDARD PAVEMENT MARKINGS SHALL BE IN STREETS/ROAD AS SHOWN, IN ACCORDANCE WITH THE MOST RECENT INDIANA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, FOR ASPHALT PAVEMENTS, ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC. FOR CONCRETE PAVEMENTS, ALL PAVEMENT MARKINGS SHALL BE EPOXY. 4° WIDE DASHED WHITE THERMOPLASTIC SHALL BE PLACED TO DENOTE SAME DIRECTION TRAVEL LAMES. 4" WIDE DOUBLE YELLOW THERMOPLASTIC SHALL BE PLACED TO DENOTE SEPARATION OF DIRECTIONAL TRAFFIC.

4. ACCELERATION/DECELERATION LANES AND PASSING BLISTERS SHALL BE CONSTRUCTED FOR ALL NEW DEVELOPMENT ENTRANCES, WHICH CONNECT TO A PRIMARY ARTERIAL, MAJOR COLLECTOR, OR INDOT RIGHT-OF-WAY.

5. LOCAL RESIDENTIAL STREETS SHALL HAVE A 150 FEET MINIMUM CENTERLINE RADIUS.

6. FOR ANY DEVELOPMENT, WHICH DIRECTLY ADJOINS A PRIMARY ARTERIAL, SECONDARY PRIERIAL, OR MAJOR COLLECTOR, AS DEPICTED ON THE CICERO THOROUGHFARE PLAN, THE DEVELOPER SHALL CONDUCT THE FOLLOWING FOR SAID ROADWAY(S).

A HIRE AN INDEPENDENT TESTING LABORATORY TO COLLECT PAVEMENT CORE SAMPLES EVERY 400 FEFT. BUT NO LESS THAN TWO SAMPLES PER ROADWAY, A WRITTEN SUMMARY, WHICH ILLUSTRATES THE AGGREGATE SUBBASE THICKNESS AND PAVEMENT THICKNESS, SHALL BE SUBMITTED TO THE TOWN OF CICERO.

b. DEVELOPER SHALL REPAIR ALL PAVEMENT FAILURES, AS DETERMINED BY THE TOWN OF CICERO.
c. DEVELOPER SHALL WIDEN ADJACENT TRAVEL LANE AND SHOULDER, AS SHOWN THIS SHEET.

d. DEVELOPER SHALL WIDEN EXISTING CULVERTS AND BRIDGE STRUCTURES WITHIN THE LIMITS OF THE DEVELOPMENT.

e. FOLLOWING THE SUCCESSFUL COMPLETION OF WIDENING ADJACENT TRAVEL LANE(S), THE ENTIRE ROADWAY SHALL RECEIVE AN OVERLAY OF 165 /sys. OF H.A.C. SURFACE /11. THE THICKNESS OF THE OVERLAY SHALL BE INCREASED AS REQUIRED TO PRODUCE A MINIMUM TOTAL PAVEMENT THICKNESS OF 6".

1. DEVELOPER SHALL ONLY BE RESPONSIBLE FOR IMPROVING EXISTING THOROUGHFARE ROADHAYS, BETWEEN THE LIMITS OF THE DEVELOPMENT

Q. MINOR ROADWAY DRAINAGE IMPROVEMENTS SHALL BE INCLUDED WITH THE PAVEMENT WIDENING, SUCH AS REGRADING OF

DRAINAGE SWALES AND/OR INSTALLATION OF ROADWAY PIPE CULVERTS.
7. THE DEVELOPER SHALL TRY TO OBTAIN TWO ACCESS ENTRANCES FOR ALL DEVELOPMENTS WITH A MULTISECTIONED SUBDIMSION FOR EMERGENCY INGRESS AND EGRESS. THESE ACCESS ENTRANCES APPLY TO ALL RESIDENTIAL AND/OR COMMERCIAL SUBDIMISIONS. ONE ENTRANCE MAY BE IN THE FORM OF A TEMPORARY ENTRANCE THAT IS CONSTRUCTED IN A MANNER TO HANDLE AND SUPPORT LARGE EMERGENCY VEHICLES WHEN NEEDED. THIS ENTRANCE CAN BE MOVED OR REMOVED UPON COMPLETION OF ANY PARTICULAR SECTION WITHIN THE SUBDIVISION THAT PROVIDES TWO PERMANENT ACCESS ENTRANCES. IT IS NOT THE INTENT OF THE TOWN TO MANDATE WHERE ENTRANCES ARE TO BE PLACED. IT IS RATHER TO PROVIDE TEMPORARY EMERGENCY ACCESS WHEN NEEDED, THE LOCATION OF THE TEMPORARY ENTRANCE CAN BE DISCUSSED IN MORE DETAIL AT A T.A.C. MEETING WITH THE TOWN OF CICERO'S FIRE CHIEF AND CHIEF OF POLICE.

8. THE LOCAL RESIDENTIAL STREETS DETAIL MAY BE USED ONLY WHEN LOTS ARE SIZED SUCH THAT RESIDENTIAL DRIVEWAYS CAN ACCOMMODATE FOUR (4) PARKED VEHICLES WITHOUT BLOCKING THE SIDEWALK. IF FOUR (4) PARKED VEHICLES CANNOT BE ACCOMMODATED, RESIDENTIAL STREETS MUST HAVE THE WIDTHS SPECIFIED IN LOCAL COMMERCIAL STREETS DETAIL. A VEHICLE PARKING SPACE IS DEFINED BY A 10'x20' AREA

9. SEE SHEET 16 FOR LIGHTING SPECIFICATION.

−1' STONE (EACH SIDE) ∠11/2" HIAA SURFACE, 9.5mm ON COMPACTED SUBGRADE -2" HMA INTERMEDIATE, 19.0mm ON 6" COMPACTED AGGREGATE BASE #53

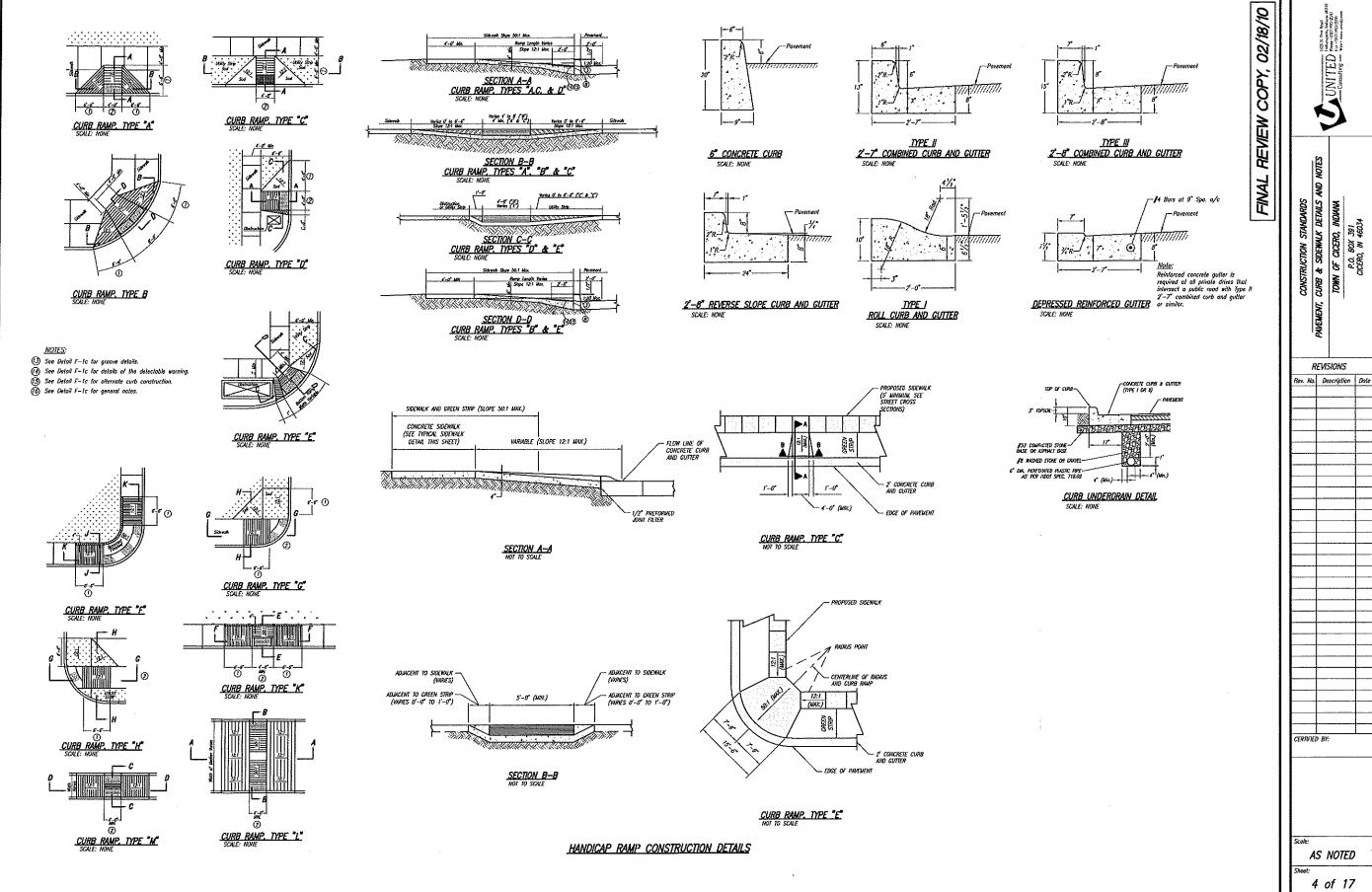
1. TOWN MAY REQUIRE INCREASED CROSS-SECTION AND/OR WIDTH OF PATH DEPENDENT ON DESIGNATED USE AND/OR

PEDESTRIAN PATH DETAIL

UNITED UNLITY EKSELENT CUD.
TOWN OF CHCER REVISIONS

Description | Date CERTIFIED BY NONE

3 of 17



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UNITED Pres-card Stocks

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CONSTRUCTION STANDARDS
, CURB & SIDEWILK DETAILS AI
TOWN OF CICERO, INDIANA
P.O. BOX 391
CICERO, IN 46034

REVISIONS

AS NOTED

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SUBSURFACE DRAIN/SUMP PUMP CONNECTIONS

- SUBSURFACE CONNECTION POINT AND PIPING SHALL BE CONSTRUCTED SMULTANEOUSLY WITH THE CURB UNDERGRAIN.

 2. REFER TO CURB UNDERGRAIN.

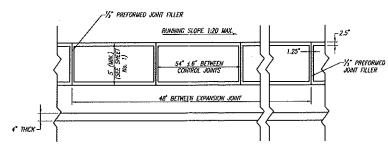
 3. DOAN SPOINTS FROM ROOF CUTTERING IS NOT PERMITTED TO DISCHARGE INTO THE SHOWN SUBSURFACE DRAWN.

 4. THE TEMPORARY EXTENSION, ABOVE GROUND, SHALL BE REVOWED UPON CONNECTION TO HOUSE.

 5. IF SUBSURFACE DRAWN EXTENSION IS NOT UTBIZED, THEN IT SHALL BE CAPPED BELOW FINISHED CRUBE OF SOIL THE TERMINATION OF A SUBSURFACE DRAWN SHALL BE MISPECTED BY THE TOWN OF CICERO PRIOR TO BUCKFILLING.

 6. CONTRACTOR SHALL, WHEN CURBS ARE ANALABLE, ENGRAVE A 3-INCH HICH BY Y* DEEP "D" ON THE CURB DIRECTLY ABOVE EACH SUBSURFACE DRAWN WHERE CURBS ARE NOT ANALABLE, CONTRACTOR SHALL WHEN CURBS ARE ANALABLE, ENGRAVE A 3-INCH HICH BY Y* DEEP "D" ON THE CURB DIRECTLY ABOVE EACH SUBSURFACE DRAWN WHERE CURBS ARE NOT ANALABLE, CONTRACTOR SHALL NEED THAT OF SUCCURAL ORDECTLY ABOVE EACH SUBSURFACE DRAWN WHERE CURBS ARE NOT ANALABLE, CONTRACTOR SHALL NEED THAT OF SUCCURAL ORDECTLY ABOVE EACH SUBSURFACE DRAWN. SEE CURB STAMP DETAL ON THIS SHEET.

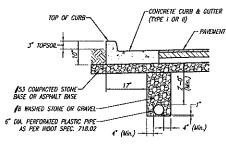
SUMP PUMP DETAIL



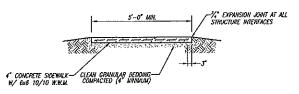
- 1. CARE SHULL BE TAKEN TO ASSURE A UNIFORM GRADE ON ALL RAMPS WITH NO GRADE BREMS.
 2. 1/4" PREFORMED JOINT FILER SHALL BE INCORPORATED WHEN ABUTTIME CONCRETE CURBS, STRUCTURES, OTHER MULS, DITHER PUED DEBECTS, AND A SPACING OF 45 FET OF WALK.
 3. SURFACE TEXTURE SHALL BE THAT GORINGED BY A COUNTS ERRORMING, WITH A 2.5" WIDE SMOOTH ROWSE, FINSH FOR THE PERMETER OF EACH SIDEMAK PANEL AT CONSTRUCTION JOHNS SHALL BE CONSISTENT DETWEN DEPENDENT OF THE ABUTTIME SHOULD FINSH SHALL BE CONSISTENT DETWEN DRIVE CROSSINGS WHITE THE MEMBRUM THICKNESS SHALL BE 4" THICK, EXCEPT A RESIDEMAL DRIVE CROSSINGS WHITE THE MEMBRUM THICKNESS SHALL BE 6". AT COLUMERCIAL DRIVES, THE CONCRETE SIDEMALK THICKNESS SHALL BE 6".

 ALL CONCRETE SHALL BE AR ENTRAINED (5% ±1%), MEMBRUM 4,000 psi COMPRESSIVE STRENGTH.

SIDEWALK DETAIL

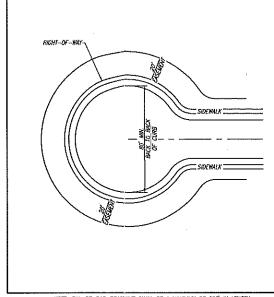


CURB UNDERDRAIN DETAIL



1. DEVELOPER RESPONSIBLE FOR PROPER DRAIMAGE OF SIDEMALK TO MINIMIZE SURFACE PONDING. DRAPAGE CROSSINGS SHALL BE PROVIDED AT ALL DRAIMAGE FLOW POINTS.

TYPICAL SIDEWALK DETAIL



NOTE: CUL-DE-SAC ROADHAYS SHALL BE A MAXIMUM OF 600' IN LENGTH.

CUL-DE-SAC

3" HIGH LETTER SHALL BE STAMPED AS FOLLOWS:

- S SANITALY SEWER LATERAL D SUBSURFACE DRAIN
- CONDUIT GAS SERVICE

- NOTE:
 1. CURB SHALL BE STAMPED AT ALL LOCATIONS WHERE ANY OF THE ABOVE MSS UNDER A CURB.
 2. LETTER SHALL BE STAMPED PRIOR TO CONCRETE SETTING UP, WHENEVER POSSIBLE.
 3. STAMP SHALL BE '/' DEEP.

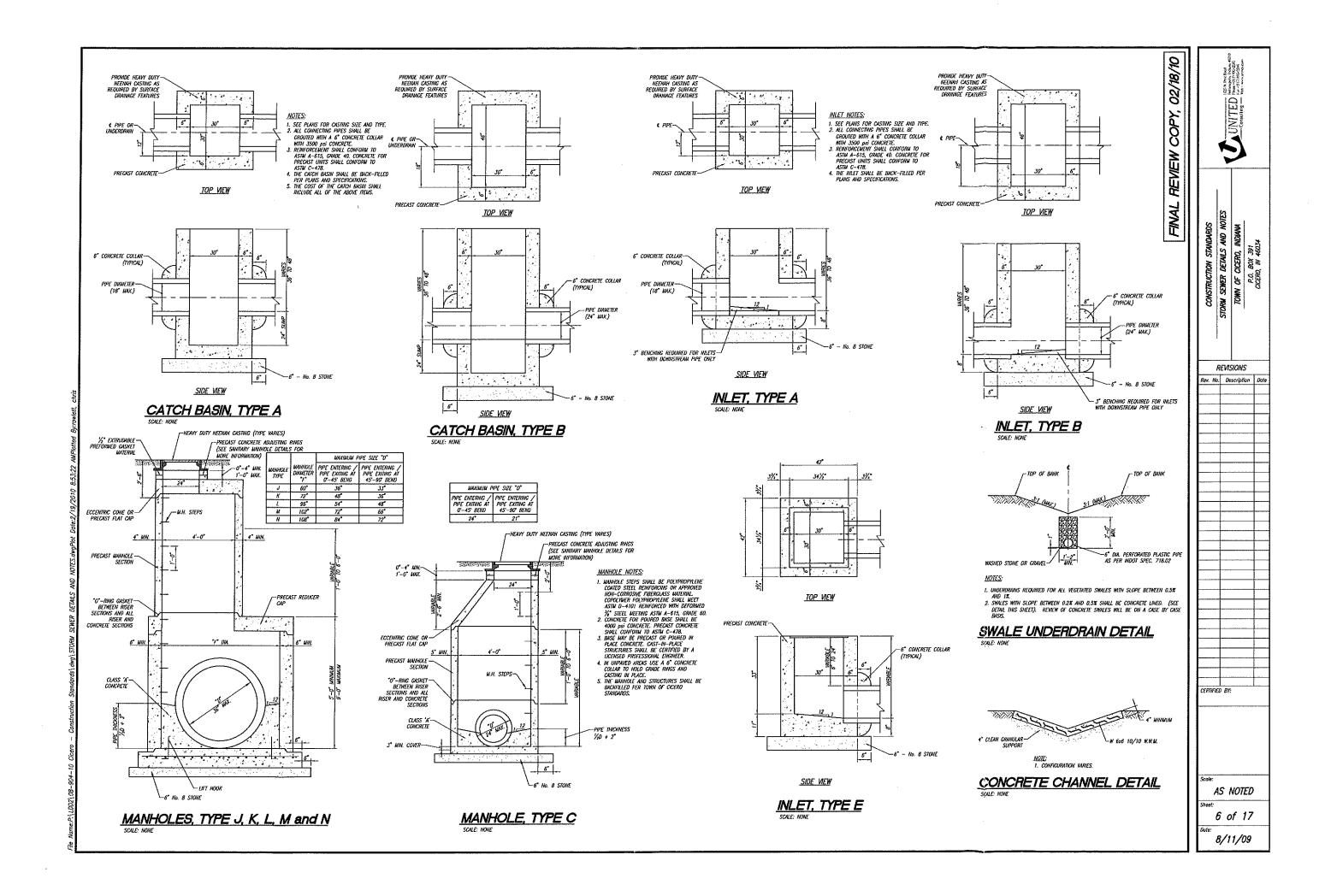
CURB STAMP DETAIL

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- 1. TRENCH SPOR IS TO BE REMOVED FROM THE WORK SITE AND DISPOSED OF OUT OF THE PROHIT—OF—WAY.

 2. FORWARD FUL IS TO BE POURED INTO THE TRENCH TO SERVE AS BACKFUL, TO THE DIMENSIONS AND SPECIFICATIONS LISTED IN THIS DETAIL.

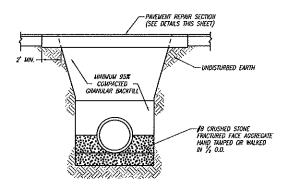
 3. THE FLOWARDE BY THE TOWN OF CIEFS WALL HAVE BEEN PROFOUSLY REVIEWED AND APPROVED BY THE TOWN OF CIEFS.

 4. THE COMPRESSORE STRENCH OF THE FLOWARDE FUL SHALL NOT BE LESS THAY SO PSI NOT REGIMER THAN 100 PSI AT 28 DAYS.

 5. WHEN TYPE I TRENCH BUCKFUL IS USED, THE ENSITING PAVED SURFACE IS NOT RECOMMENT OF BE OVER—CUT 2 FEET MIRRIADLE HOT SIDE. SAN CUT EXISTING PAVEMENT SO THAT CUT PROVIDES A VERTICAL, NEAT AND UNIFORM EDGE.
- EDGE:
 6. FLOWARLE FILL SHALL BE MIKED AND PLACED AS SPECIFIED IN THE LATEST MIDD I STANDARD SPECIFICATIONS, SECTION 213.
 7. SEE OTHER AREAS OF THESE STANDARDS FOR OTHER PIPE BEDOING
- REQUIREMENTS.

 8. FLOWAREE FILL WILL BE REQUIRED IN ALL TRENCHES WITH INSUFFICIENT WIDTH TO ALLOW MECHANICAL COMPACTION AND PROPER BACKFILL

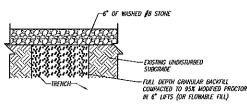
RIGID STORM PIPE TRENCH BACKFILL - TYPE I FLOWABLE FILL DETAIL



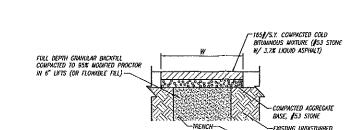
- 1. SAW CUT EXISTING PAVEMENT SO THAT CUT PROVIDES A VERTICAL, NEAT
- 1. SAM OUT CANSAIL PARCHERT SO THAT COT PROMISS A PERIOD, REAL AND DISPOSED OF AND DISPOSED FOR THE WORK SITE AND DISPOSED OF OUT OF THE RIGHT-OF-MAY.

 3. RENCH BUCKFUL THPE II SIMLL BE PERMITTED WHEN CONDUCTED UNET THE PRESENCE OF AN INDEPENDENT TESTING LABORATORY. PROCTOR TESTS AND FIELD DENSITY (COMPACTION) TESTS SIMLL BE CONDUCTED AT HE SOLE EXPENSE OF THE CONTRACTOR. ALL TEST RESINTS SHALL BE SLEWING TO THE TOWN OF CICERO WITHIN 30 DAYS OF BACKFUL COMPACTION.
- 4. SEE OTHER AREAS OF THESE STANDARDS FOR OTHER PIPE BEDOING

RIGID STORM PIPE TRENCH BACKFILL - TYPE II GRANULAR FILL DETAIL



TYPICAL STONE DRIVE/STREET RESTORATION DETAIL



1. SAW CUTS SHALL PROVIDE A VERTICAL, NEAT AND UNIFORM EDGE.

2. ALL MATERIALS SHALL COMPLY WITH SPECIFICATIONS AS REQUIRED BY THE TOWN OF CICERO.

3. THE CONTRACTOR SHALL SEEK DIRECTION FROM THE TOWN OF CICERO AS TO THE REQUIRED THICKNESS OF THE COMPACTED AGGREGATE BASE.

4. TEMPORAPY REPAIR PAICH IS REQUIRED MINEN RESTORMINGN THORN OCCURS BETWEEN MONEBURE TO SAMD APAIL IS.

5. AS AN ALTERNATE, THE TOWN MOY REQUIRE A 6° CONCRETE BASE PLACED BY BED ON BURN ASSIGNED STREETS.

PAVEMENT RESTORATION TABLE

I.D. = PIPE OR CONDUIT INSIDE DIAMETER

AT FINISHED GRADE, W

(FEET)

I.D. +5

I.D. +8

10. +12

DEPTH RANGE

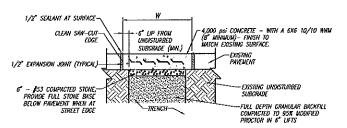
(FEET)

0 TO 5

8 TO 10 10 TO 12

- 1° BELOW FINAL ASPHALT SURFACE WITH SEPARATE TEMPORARY CONCRETE RAMPS AT CASTINGS, MANHOLES AND STRUCTURES.

TYPICAL TEMPORARY REPAIR PATCH RESTORATION DETAIL



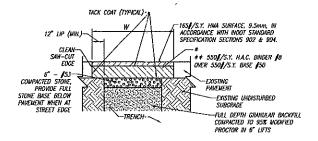
- 1. SAW CUTS SHULL PROMDE A VERTICAL, NEAT AND UNIFORM EDGE. 2. ALL MATERIALS SHULL COUPLY WITH SPECIFICATIONS AS REQUIRED BY THE TOWN OF CICERO. 3. SUMPICE MEPHIR SHULL BE BROOM FINISH AT RIGHT ANGLES TO TRAFFIC
- 4. ALL CONCRETE SHALL BE AR ENTRAINED (5% +/-1%), MINIMUM 4,000 PSI
- 4. ALL CONCRETE SHOLL BE ARE ENHANCED (3X +7-TA), MINIMUM 4,000 COMPRESSAY STRENGTH CONCRETE.

 5. CONTRICTOR SHALL CONTACT THE TOWN OF CICERO TO DETERMINE IF ANCHORS ARE RECOURSED ON COSTONE CONCRETE PAREMENT REPAIRS.

 6. REFER TO PAREMENT RESTORATION TABLE FOR W.

 7. ROAD CUTS WITHIN INDO! ROAT—OF—WAY SHALL BE REPAIRED IN ACCORDANCE WITH HIDDO! STANDARDS AND SPECIFIC PERMIT DIRECTION.

TYPICAL CONCRETE STREET/DRIVE RESTORATION DETAIL



- * IF EXISTING PAYEMENT IS THICKER THAN 8" AN ADDITIONAL LIFT OF BASE \$\int_{50}\$ is to be used to match the existing payement thickness.
- ** FOR COLLECTOR, ARTERIAL AND INDUSTRIL STREETS, CONTRACTOR SHALL INCREASE
 ASPHALT BASE \$50 THICKNESS TO OBTAIN A TOTAL PAVENENT THICKNESS OF 10*
- 1. SAW CUTS SHALL PROVIDE A VERTICAL, NEAT AND UNIFORM EDGE. 2. ALL MATERIALS SHALL COMPLY WITH SPECIFICATIONS AS REQUIRED BY THE TOWN
- OF CICERO.

 OF LICENO.

 OF LEGISTRIC VERTICAL EDGE OF PAVEWENT IS TO BE TACK COATED PRIOR TO THE PLACEMENT OF NEW ASPIALT. TICK COAT IS TO BE APPLIED AS SPECIFIED ON
- SHEET NO. 2. 4. THE NEW SURFACE PAYEMENT GRADE SHALL MATCH THE EXISTING SURFACE
- PAYEUENT GRUDE.

 5. A 2" MIDE BAND OF CRACK SEAJANT IS TO BE APPLIED ALONG THE JOINT BETWEEN THE EXISTING AND NEW ASPHALT SURFACE. SEALANT IS TO BE APPLIED IN ACCORDANCE WITH INDOT STRADURG SPECIFICATIONS, SECTION 305.

 6. REFER TO PAYEUENT RESTORATION TABLE FOR W.

 7. ROAD CUTS WITHIN MIDD'T RIGHT-OF-WAY SHALL BE REPAIRED IN ACCORDANCE
- WITH INDOT STANDARDS AND SPECIFIC PERMIT DIRECTION

TYPICAL ASPHALT STREET/DRIVE RESTORATION DETAIL

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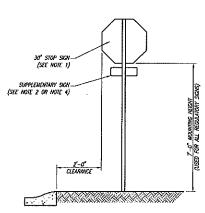
ET RESTORATION STANDARDS
ET RESTORATION DETAILS
NO OF CICERO, INDIANA
P.O. BOX 391
CICERO, IN 46034 CONSTRUCTION S STREET RESTORATI TOWN OF CICER

REVISIONS

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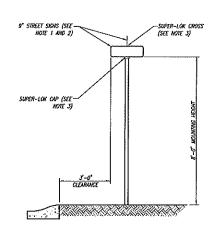


- 1. STOP SON SHALL BE HIGH INTUISITY AND IN ACCORDANCE WITH WOST RECENT RIGHMA MAINAL ON UNKTORIA TRAFFIC CONTROL DEVICES, OTHER REGULATORY AND BEDRIAINEN SONS SHALL BE OF THE DESIGN, SIZE AND CONSTRUCTION AS SPECIED IN SON MAINAL, OR AS DIRECTED BY THE TOWN OF CICERO, OF THE DESIGN, SIZE AND CONSTRUCTION AS SPECIED LIMIT SON SONIS SHALL BE 18'-24' AND MARKED FOR "25' MAE PER HOUR FOR LOCAL STREETS. ALL OTHER SPEED LIMIT SON RECURSIVENTS SHALL BE DIRECTED TO THE TOWN'S TRAFFIC PACKETER.

 3. HOP PARKEN SONIS SHALL BE 18'-24' AND WAS BE PACED ON THE SAME POST WHIT THE SPEED LIMIT SON HOW FOR SHALL BY THE SPEED LIMIT SON AS SHOWN BY THE ABOVE DETAIL STREETS. THE NO PARKENG SON WALL BE PLACED UNDER THE SPEED LIMIT SON AS SHOWN BY THE ABOVE DETAIL STREETS. THE NO PARKENG SON WALL BE PLACED UNDER THE SPEED LIMIT SON AS SHOWN BY THE ABOVE DETAIL STREETS.
- (SUPPLEMENTARY SICH).

 4. A MILTI-MAY STOP INTERSECTION REQUIRES AN "ALL WAY" SUPPLEMENTARY SIGN 12" MIDE BY 6" TALL, IN ACCORDANCE
- WITH SAID MANUAL. 5. REGULATORY SIGNS, OTHER THAN STOP SIGNS, SHALL BE MOUNTED ON 2 POUND/FOOT U-CHANNEL 12' POST WITH 0.105'
- WALL THEORESS AND STANDARD GREEN POINT WITH 37 22/1 ANCHORY POST, AND THE PROPERTY OF THE STANDARD GREEN POINT WITH 37 22/1 ANCHORY POST, AND THE POINTS AND THE STANDARD AND TH

TYPICAL REGULATORY SIGN REQUIREMENTS



- 1. STREETS SHULL BE SOMED AT HON-SKINULZED WIRESECTIONS WITH TWO SUCH STREET SICH ASSEMBLES THYCKLEY REQUIRES, SEPARATE STREE, CALAWAZED POST, FOR STREET SICHS PERMITTED ONLY AT SOMULZED MITESSECTIONS.

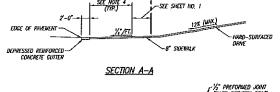
 2. STREET SOMS SHULL BE 9° TALL FLAT REFLECTIVE OREEN ALUMININ (BOGS—TO) BUCKOROUND WITH 6° TALL FRITE-TOTTE WHITE LETTINES, STREET SOMS SHULL HAVE ROUMED CORRESS.

 3. SUPER-LON CAP SHULL BE MODEL 99 TALL FORTS, SENS, BOLTS AND HOROWARE.

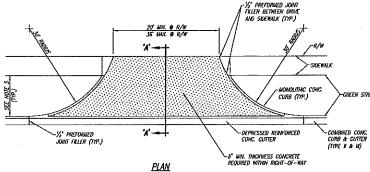
 4. THE EMELIDER'S SHULL DE MODEL 99 TALL FORTS, SENS, BOLTS AND HOROWARE.

 5. STREET SKANS SHULL BE MOUNTED ON 12' LONG 2' 2%, DAMETER, 16-GAUGE STEEL CALAWAZED POST,

TYPICAL STREET SIGN REQUIREMENTS



RIGHT-OF-WAY



- 1. THE MINIMUM ALCERANC DIFFERENCE IN CRADES FOR MY 10 FOOT INTERNAL SHALL HOT EXCEED BY FOR CREST VERNOUL CURNES, HOR FOX FOR SAC VERTICAL CURNES.

 2. CONCRETE DRAYS REQUEST CONTROL JOINTS AT A MAXIMUM OF EVERY TO FEET EACH HAY.

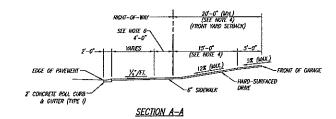
 3. LOS ACTUAL STROKA AS DOWN ON PLOT AND SE PROVIDED BY THE TOWN OF OCERO ZOWING ORGANIACE.

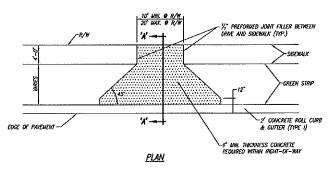
 4. FOR GREEN STROK MOTHER FEET TO THYOLD RIGHT-OF-MAY SECTIONS SHOWN ON SHEET HO. 1.

 5. THE APPROVIDE OF A HEM COMPRECAL PRIME RAYE OF THE RELOCATION OF THE DISTING CONTROLLED.

 PRIMATE DRIVE REQUIRES THE PROCUREMENT OF A DRIVE CUT PERMIT FROM THE TOWN OF CICERO.

TYPICAL COMMERCIAL PRIVATE DRIVE





- 1. THE MINIMUM ALCEBRAIC DIFFERENCE IN CRIDES FOR ANY 10 FOOT INTERVAL SHALL NOT EXCEED BY FOR CREST VERIOU. CURNES, MAR FOR FOR SAG MERICAL CURNES.

 2. THE FRONTINGE OF ALL LOTS SHALL ERANN TO AUGLOUT STREETS EXCEPT WITH THE PRIOR WRITTEN APPROVAL OF THE TOWN OF CKERO.

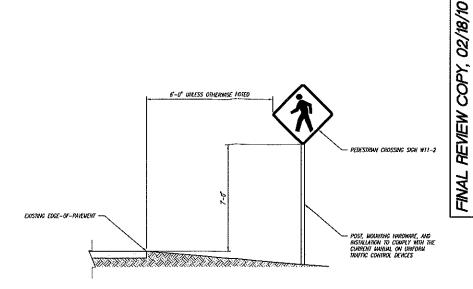
 3. CONCRETE BRIEFS FROMER COURTED, JOHNS AT A MAXIMUM OF EXETY TO FEET FLOCH WAY.

 4. SEE ACTUAL STREAM AS SHOWN ON FLOT AND AS PROVACED BY THE TOWN OF CACTRO COURSE ORDINANCE.

 5. THE TOWN OF CACTRO MAY PROPROSE DEPARSED CURNE AND ATTERNATE PAINCE MITTRALES.

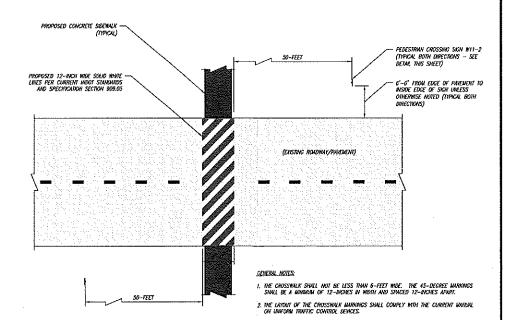
 6. PETER TO SHEET NO. 1 FOR REDURED WROTH OF CONCRETE SHOWARK OR MAILT-USE PEDESTRAIN ASPIRALT TRAIN.
- TRIAL.
 THE APPROVAL OF A NEW RESIDENTIAL PRIMATE DRING OR THE RELOCATION OF AN EXISTING RESIDENTIAL PRIMATE DRING REQUIRES THE PROCUREMENT OF A DRIVE CUIT PERMIT FROM THE TOWN OF CICERO.

TYPICAL COMMERCIAL PRIVATE DRIVE



- SIGH NOT REGURED IN WALK PERPENDICIJAR TO TRAFFIC, GOVERNED BY A STOP SIGN.
 RETORGRIJECTME SHEETING TIPES I THRU X ARE ACCEPTABLE.
 REGLATORY SIGNS, OTHER THAN STOP SIGNS, SAALL BE MOUNTED ON 2 POUND/FOOT U-CHANNEL 12' POST BITH 0.105" MILL THEXNESS AND SUMMARD GREEN PART WITH

TYPICALW11-2 PEDESTRIAN CROSSING SIGN



TYPICAL CROSSWALK MARKING DETAIL

CONSTRUCTION .

Rev. No. Description Date

CERTIFIED BY:

AS NOTED

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Attachment A3

General Requirements for Final Inspection

- All excavations within the public right-of-way shall be backfilled with select granular fill material and properly mechanically compacted except where flowable fill is required.
- 1. Asphalt pavement shall cut straight and neatly with a chisel blade or saw. The pavement and base material shall be replaced according to the latest version of the Town of Cicero Code of Ordinances. All seams shall be tacked coated and shall be ironed as necessary to provide a perfect joining of the patch with the surrounding pavement. Cold mix asphalt will not be accepted as permanent patches.
- 2. Concrete pavement shall be saw cut. The new concrete patch shall be saw cut. Concrete patches shall be placed using at least 3,500 p.s.i. concrete. The edges of the adjoining pavement shall be coated with epoxy adhesive intended for concrete patching. The patching area shall be properly barricaded for at least seven (7) days and the patch shall be treated with a curing compound r a curing membrane.
- 3. All ditches disturbed by excavation shall be properly graded and sodded.
- 4. All grassed areas shall be provided with 12 to 16 inches of good top soil and sodded with high-quality sod equal to other grass. Establishment of sod shall b ethe responsibility of the encroachment application
- 5. Upon completion of **all repairs**, the application shall request an inspection to the Cicero Street Commission or their designee.

General Requirements for Horizontal Directional Drilling

- 1. The CONTRACTOR shall provide all investigation, planning, geotechnical work, equipment, labor, etc. necessary to properly install the proposed directional bores as indicated in the construction plans by using horizontal directional drilling (directional boring) technology. Pipe materials shall match those indicated on the plans.
- 2. CONTRACTOR shall daylight or physically verify existing utility lines at 50 foot intervals on proposed bore path prior to drilling.
- 3. Depths of all existing utilities must be confirmed by the CONTRACTOR prior to the crossing to avoid conflicts. Proper connection to the piping at each end shall be done by standard excavation. The CONTRACTOR shall be responsible to provide a slurry containment pit and shall remove all excess material and dispose of appropriately off-site upon completion. All erosion control facilities shall be provided to contain any solids from migrating beyond the project site. The CONTRACTOR shall be required to provide all necessary water in accordance with other applicable sections of these specifications. Excavated areas for utility confirmation shall be properly backfilled.
- 4. All directional drilling operations shall be performed by a qualified directional drilling CONTRACTOR with at least (3) years' experience involving work of a similar nature to the work required of this project.

Attachment A4 Costs

The costs shown on this attachment are subject to change only with the approval of the Town of Cicero Town Council.

Permitting -

Handhole/Structure - \$100.00/each Pipe/Cable Per Foot - .10 each Road Crossing (Bore) - \$100.00/each Inspection - \$100.00/each (every structure set & every road crossing)

Manpower -

Labor - \$50.00/hour Operator - \$65.00/hour Backhoe - \$120.00/hour Loader - \$150.00/hour

<u>Traffic Maintenance</u> <u>–</u>

Cones - \$10.00/each/hour Barricades - \$30.00/hour Steel Plates - \$50.00/hour

Vehicles -

Pickup - \$50.00/hour Single Axle - \$85.00/hour plus dump fees Tandem - \$100.00/hour plus dump fees Vac Truck - \$300.00/hour plus dump fees

This list does not reflect all costs, or does it imply maximum charges that can incur with all penalties of this ordinance. Material costs of asphalt and/or concrete are not listed due to price variations with vendors and quantities.

A minimum of one (1) hour will be charged on all labor and equipment