



BENTONVILLE CITY COUNCIL AGENDA

**Committee of the Whole
Community Development
Planning Commission Meeting Room**

**Tuesday, February 25, 2014 6:00 p.m.
305 SW "A" Street**

**Regular City Council Meeting
Community Development
Planning Commission Meeting Room**

**Tuesday, February 25, 2014 6:00 p.m.
305 SW "A" Street**

**Pledge of Allegiance
Moment of Silence – For our Military Forces
Roll Call
Approval of Minutes: February 11, 2014**

AGENDA

1. Informational Item - Garver Engineers brief summary presentation of the City Wide Traffic Study. Also see attached Final Report. Note there are also additional volumes of data and information available upon request.
(Pages 4-25)
2. Planning:
 - 2a. **Octopus Messaging Inc.: Rezoning Request, 908 East Central Avenue, Zoned R-1, Single Family Residential.**
(Pages 27-33)
The planning commission voted 5-0 recommending approval.

The applicant has requested a rezoning from R-1, Single Family Residential to D-E, Downtown Edge, for the intention of developing it as well as the adjacent property at 910 E. Central.
3. A resolution setting a public hearing for a street right of way vacation located in lot 7 of the Eversole Addition except for the attached utility easement.
(Pages 34-42)
4. Staff is seeking a resolution for the Mayor and City Clerk to enter into a contract with CEI Engineering Associates, Inc. for the survey and design of Multi-use Trails on the west side of North Walton Boulevard.
(Pages 43-53)
5. City Council to approve a budget adjustment of \$71,367.50 to be used in the survey and design of a 10' multi-use walking trail on the west side of North Walton Boulevard, from approximately S.W. "I" Street (by the water tanks) to NW 14th Street (by Tiger Stop).
(Pages 54-56)

6. Adopt the 2011 National Electric Code. **(Pages 57-61)**
7. Adopt the 2012 Arkansas Fire Prevention Code, which includes, the 2012 International Fire Code, 2012 International Residential Code and the 2012 International Building Code. **(Pages 62-65)**
8. Council approval of a resolution authorizing the Mayor and Clerk to enter into a supplemental agreement between the City of Bentonville and the Arkansas Highway and Transportation Department of the agreement approved by Council on May 24, 2011 relative to changes in the scope of work for the Hwy 102/62/I540 Interchange. This supplemental agreement will result in no additional cost to the City of Bentonville. **(Pages 66-71)**
9. Council approval of a resolution authorizing the Mayor and City Clerk to enter into a real estate contract with the Phillip Lee Trust for the purchase of property referenced as Lot 12 of the Hardcastle Estates (parcel number 01-05068-002), containing 9.54 acres plus/minus for the sum of \$1,900,000.00 plus buyer associated closing costs (estimated \$19,000.00). **(Pages 72-87)**
10. Approval of budget adjustment for \$5,500.00 to the Bentonville Public Library from the Northwest Arkansas Economic Development District (NWAEDD) for a General Improvement Fund (GIF) grant. The funds are designated to purchase furniture, supporting the library's public computer services. **(Pages 88-93)**
11. Parks and Recreation is requesting City Council's approval of a resolution authorizing the Mayor and Clerk enter into agreement with Ozark Tennis Academy, for a tennis program provider at Memorial Park Tennis Complex. **(Pages 94-99)**
12. The Parks and Recreation Staff are seeking City Council's approval of a bid award for bid #14-08 in the amount of \$75,584.00 for the construction of the pathways of the Legacy Orchards at Orchards Park. **(Pages 100-105)**
13. Recommend Council award bid to Rosetta Construction in the amount of \$4,633,953.00 for the relocation of water, sewer, and electric utilities associated with the Bella Vista Bypass project. This project is not a budgeted project and requires a budget adjustment. Project will be funded by a combination of Wastewater funded depreciation, Electric Department funds, and AHTD reimbursement. Reimbursement from AHTD is 38.75% and is estimated at \$1,369,820.00 based on the bids. Final amount may be adjusted upon completion of the project. **(Pages 106-117)**
14. Council approval of a budget adjustment to award construction bid for Water, Sewer and Electric Utility Relocations associated with AHTD's Bella Vista Bypass Project to Rosetta Construction in an amount of \$4,633,953.00. Funds are from Wastewater funded depreciation, Electric Department Funds, and AHTD reimbursement. **(Pages 118-120)**
15. Staff recommends to the Mayor and City Council to adopt an ordinance revising the Bentonville Electric Utility Department construction specifications to be used by developers and contractors performing electric utility work within the City of Bentonville. **(Pages 121-214)**

16. Recommend Mayor and City Council enter into an agreement with Altec for the purchase of telescoping boom (aerial trucks) for the City of Bentonville Electric Department in the amount of \$394,904.00 for 3 booms. **(Pages 215-241)**



CHECK ALL THAT APPLY	
	Bid Award
	Budget Adjustment
	Change Order
X	Informational
	Ordinance
	Resolution
	Other

AGENDA FORM

CITY COUNCIL MEETING OF:

February 25, 2014

Submitted by: Mike Churchwell

Department: Transportation

Phone: 271-6840

ACTION REQUIRED:

Informational Item - Garver Engineers brief summary presentation of the City Wide Traffic Study. Also see attached Final Report. Note there are also additional volumes of data and information available upon request.

COST TO CITY:

Cost of this Request: N/A

Additional Budget Amount

☐ One time amount

☐ Continuing O and M

Previously Budgeted	\$
Funds Expended to Date	-
Remaining Budget	-
Budget Adjustment	-
Remaining After Adjustment	\$ -

MC 2/10/2014
Department Head Date

Purchasing Agent Date

FD 2/28/14
Finance Director Date

CT 2/26/14
Staff Attorney Date

BAM 2/20/14
Mayor Date

This form must be turned into the Mayor's office 7 days prior to the scheduled City Council meeting.

117 WEST CENTRAL AVENUE * BENTONVILLE, AR 72712
www.bentonvillear.com



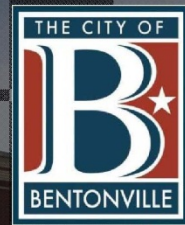
PLEASE RECYCLE





City Wide Traffic Study

Volumes 1-4 – Final Report



Prepared For:

City of Bentonville

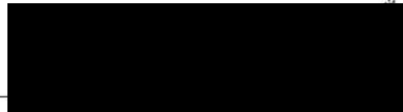
January 8, 2014





Engineer's Certification

I hereby certify that this Bentonville City Wide Traffic Study – Final Report was prepared by Garver under my direct supervision for the City of Bentonville.



Nicci D. Tiner, PE, PTOE
State of Arkansas PE License 8141



1-8-14





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1.0 Executive Summary

At the request of the City of Bentonville, a city wide traffic study was conducted. The goal of this study was to develop short-term (0–5 years), mid-term (5–10 years), long-term (10–15 years) and future (15–20 years) projects. Additionally, the existing city documents were reviewed to ensure consistency both within the documents as well as with state and national standards. The study was divided into four volumes – Volume 1 – Review of City Documents, Volume 2 – Preliminary Analysis, Volume 3 – Final Analysis, and Volume 4 – Future Corridors.

Based on the results of these four volumes, the following projects should be included in the City of Bentonville's Capital Improvement Projects. Some of the intersections are included in both the short-term as well as the mid-term improvements. This is due to an immediate need for improvement prior to a corridor project.

1.1 Short-Term Projects (0-5 Years)

- N Walton Boulevard at Tiger Boulevard/NW 12th Street (intersection project)
- N/S Walton Boulevard at W Central Avenue (intersection project)
- SE Walton Boulevard at Medical Center Parkway (intersection project)
- John DeShields Boulevard/Museum Way at NE J Street (intersection project)
- E Central Avenue at NE J Street/SE J Street (intersection project)
- SW 2nd Street at Elm Tree Road (intersection project)
- SE 14th Street at SE Phyllis Street (intersection project)
- SE 28th Street at SE J Street (intersection project)
- SE 28th Street at Medical Center parkway (intersection project)

1.2 Mid-Term Projects (5-10 Years)

- NW 5th Street (corridor project) with N Walton Boulevard at Wal-Mart Drive (intersection project) and NW 5th Street at Bella Vista Road (intersection project)
- SW 2nd Street (corridor project) with SW 2nd Street at Elm Tree Road (intersection project)
- SW 10th Street (corridor project) with S Walton Boulevard at Redbud Street (intersection project) and SW 10th Street at SW A Street (intersection project)
- SE/SW 14th Street (corridor project) with SE 14th Street at SE Phyllis Street (intersection project)
- SE/SW 28th Street (corridor project) with SE 28th Street at SE J Street (intersection project) and SE 28th Street at Medical Center parkway (intersection project)
- NE/NW J Street (corridor project) with E Central Avenue at NE J Street/SE J Street (intersection project)
- E Central Avenue (corridor project)
- W Central Avenue (corridor project) with N/S Walton Boulevard at W Central Avenue (intersection project)
- Tiger Boulevard at Bella Vista Road (intersection project)





- N/S Walton Boulevard (corridor project) with SE Walton Boulevard at Medical Center Parkway (intersection project)

1.3 Long-Term Projects (10-15 Years)

- SE/SW 14th Street (corridor project)
- N/S Walton Boulevard (corridor project)

1.4 Future Projects (15-20 Years)

- NW A Street (corridor project)
- SW A Street (corridor project)
- E Battlefield Boulevard (corridor project)
- Been Road (corridor project)
- Bright Road (corridor project)
- Bella Vista Road (corridor project)
- Moberly Lane (corridor project)
- Tiger Boulevard (corridor project)

The following pages summarize each of the reports and describe in more detail the recommended improvements.





2.0 Review of City Documents

The purpose of the *Review of City Documents* portion of the city wide traffic study in Bentonville was to ensure consistency among the city documents as well as conformity to state and national standards. The following topics were considered and recommendations provided.

2.1 Review Existing and Programmed Street Improvement Projects

The review of the existing and programmed street improvement projects validated projects that are currently in the design phase and considered planned projects to determine if they are currently needed. Most of the projects listed as planned from the previous *2002 Streets Capital Improvements Plan* should still be considered for future projects but not necessarily as part of a 10-year plan. The exceptions are as follows:

- **SE/SW 8th Street between SW I Street and a new interchange to I-540** – This project was validated in the *Preliminary Analysis*
- **SW Regional Airport Boulevard from Shell Road to S Walton Boulevard** - This project was validated in the *Preliminary Analysis*
- **SE Walton Boulevard and I-540 interchange improvements** – The Arkansas State Highway and Transportation Department (AHTD) has studied this interchange and is providing the improvements
- **SE 14th Street at I-540 interchange** – The AHTD is providing improvements at this interchange
- **SE Walton Boulevard Traffic Signals** – Coordination was recommended in the *Final Analysis*

2.2 Update Functional Classifications

For the most part, the existing functional classifications assigned by the city (freeways, major arterials, minor arterials, collector streets, local streets, and residential streets) should be maintained mainly due to the connectivity provided by the arterials and collectors. There were a few exceptions where changes are needed. These exceptions are listed below.

- **SW 2nd Street from the western city limits to W Central Avenue** – Classification should be lowered from a major arterial to a minor arterial
- **W Central Avenue from SW 2nd Street to N/S Walton Boulevard**– Classification should be lowered from a major arterial to a minor arterial
- **E/W Central Avenue from N/S Walton Boulevard to NE/SE J Street** – Classification should be lowered from a major arterial to a collector
- **E Central Avenue from NE/SE J Street to the eastern city limits** – Classification should be lowered from a major arterial to a minor arterial
- **SW Elm Tree Road from SW 14th Street to SW 2nd Street** – Classification should be lowered from a major arterial to a minor arterial
- **SW 14th Street from the western city limits to Greenhouse Road** – Classification should be raised from a minor arterial to a major arterial





- **SE 28th Street from Moberly Lane to the eastern city limits** – Classification should be raised from a minor arterial to a major arterial
- **SE Walton Boulevard from SW Regional Airport Boulevard to I-540** – Classification should be raised from a minor arterial to a major arterial

2.3 Review Existing City Documents for Continuity

Numerous city documents were reviewed and compared to each other to ensure that all of the documents were in agreement. A number of inconsistencies were found during this review with regards to right-of-way widths, back-of-curb widths, buffer widths, and pavement markings. The following is a list of updates that are needed.

- **Right-of-Way** – The *2009 Master Street Plan* is the latest city document and therefore should be considered the governing document. For that reason, the right-of-way widths shown in the *2003 Subdivision Code*, the *2006 Minimum Standard Specifications*, and the *2007 General Plan* should be amended to match the *2009 Master Street Plan*.
- **Back-of-Curb** – The *2009 Master Street Plan* is the latest city document and therefore should be considered the governing document. For that reason, the back-of-curb widths shown in the *2003 Subdivision Code*, the *2006 Minimum Standard Specifications*, and the *2007 General Plan* should be amended to match the *2009 Master Street Plan*.
- **Buffer Widths for Sidewalks** – Although the *2009 Master Street Plan* is the not the latest city document with information on buffer widths, for consistency it should be considered the governing document. Therefore, the buffer widths shown in the *2006 Minimum Standard Specifications*, the *2011 Residential Development & Building Guide*, and the *2012 Bentonville Bicycle & Pedestrian Master Plan* should be amended to match the *2009 Master Street Plan*.
- **Pavement Markings** – Inconsistencies in the pavement markings for shared lanes were found within the *2012 Bentonville Bicycle & Pedestrian Master Plan*. This document should be updated to eliminate the inconsistencies with preference going to dimensions matching the *Manual on Uniform Traffic Control Devices (MUTCD)*.

2.4 Evaluate Existing Roadway Design Standards

The existing roadway design standards were compared to state and national standards with regards to lane widths and number of lanes, design speed, horizontal alignment (minimum centerline radii, curb return radii, angles between intersections), vertical alignment (vertical curves and maximum and minimum grades), driveways, medians, and cross sections. Based on this review, the following recommendations were made.

- **Lane Widths and Number of Lanes** – Aside from the conflicting information in city documents, the lane numbers and widths meet AASHTO's *A Policy on Geometric Design of Highways and Street, 6th Edition (Green Book)* standards.





- **Design Speed** – The design speed for collectors should be raised to a minimum of 30 mph as recommended by the *Green Book*. Additionally, it is recommended that information for arterial design speeds be added to the city's *Minimum Standard Specifications for Streets (2006)*.
- **Horizontal Alignment** – The horizontal alignment was evaluated for minimum centerline radii, curb return radii, and angles between intersections. The *Minimum Standard Specifications for Streets (2006)* should be changed to follow the minimum centerline radii described in the *Green Book*. Additionally, the current minimum curb return radius guidelines for arterials should be changed where heavy truck traffic volume is expected.
- **Vertical Alignment** – The vertical alignment was evaluated for vertical curves and maximum and minimum grades. It is recommended that K value standards for design speeds ranging from 15 mph to at least 55 mph be added or a reference to the *Green Book* be included. For the 35 mph crest vertical curve, the K value range should be replaced with a specific number as opposed to a range. Consideration should also be given to adding guidelines for maximum change in grade that does not require a vertical curve. The city should provide more detailed guidelines for maximum and minimum grades based on design speed and terrain as shown in the *Green Book*. The city should also consider adding a guideline concerning preferred maximum grades of roads with adjacent pedestrian facilities.
- **Driveways** – To create uniformity of design, standard detail drawings for commercial drives and residential drives should be developed. The *City of Bentonville Subdivision Code* should be modified to limit the algebraic difference of grades for driveways on local streets to 9% per the *NCHRP REPORT 659*.
- **Cross Slope** – No changes are needed.
- **Medians** – The city's median guidelines should be included with the other street guidelines in the *Minimum Standard Specifications for Streets (2006)*. The city should also develop and include standard detail drawings and notes for median widths, openings, end-treatments, and types.

2.5 Evaluate Existing Pedestrian Facility Standards

The existing pedestrian facility standards with regards to sidewalk and buffer width, grade and cross slope of sidewalk, crosswalks and stop/yield lines, curb ramps, midblock crossings, and crossing islands and medians for pedestrian crossings were compared to state and national standards. Based on this review, the following recommendations were made.

- **Sidewalk and Buffer Widths** – The discrepancies of buffer width guidelines between city documents should be resolved.
- **Grade and Cross Slopes** – Specific details from the *ADA* guidelines such as maximum grades in sidewalks would reinforce requirements to the designer and should be added to the city's standards. Additionally, clarification of the requirement that sidewalks adjacent to streets should be at an elevation 1% above the adjacent curb is needed.
- **Crosswalks and Stop/Yield Lines** – A typical crosswalk detail drawing is needed to reduce options for crosswalk types, line widths, and spacing distances. The AHTD standard crosswalk is recommended. City standards should note that a 4' minimum distance is required from the stop line to nearest crosswalk line except at midblock crosswalks.





- **Curb Ramps** – Standard detail drawings of the approved curb ramps and types that adhere to AHTD and national standards should be developed. Language should be added to the *Minimum Standard Specifications for Streets (2006)* that discourages the use of diagonal type curb ramps.
- **Mid-Block Crossings** – The requirement that stop bars be used at all midblock crossings should be removed from the *Bentonville Bicycle & Pedestrian Master Plan (2012)*. Yield triangles should be allowed at midblock crossings if used in conjunction with proper signage as directed by the *MUTCD*. Finally, guidelines for the design and implementation of illuminated indicators should be included in the city documents.
- **Crossing Islands and Medians** – Standard detail drawings and notes for pedestrian crossing islands and medians are recommended.

2.6 Evaluate Existing Bicycle Facility Standards

The existing standards for bicycle facilities were compared to state and national standards with regards to on-road bicycle facilities (bicycle lanes and shared lanes) and off-road bicycle facilities (shared use paths and side paths). Based on this review, the following recommendations were made.

- **On-Road Bicycle Facilities** – The *Bentonville Bicycle & Pedestrian Master Plan (2012)* minimum usable width requirement of 40" does not meet *AASHTO Guide* standards of 4' usable width and should be updated. Inconsistencies within the *Bentonville Bicycle & Pedestrian Master Plan (2012)* should be corrected. It is recommended that a minimum 6' wide bicycle lane be required when adjacent to curb and gutter as measured from the face of the curb to the center of the bicycle lane line. The city's guidelines incorrectly state that shared road symbols should be installed on bicycle lanes and should be updated to show bicycle lane symbol markings. The "Bicycle Detector Pavement Marking" shown in *Bentonville Bicycle & Pedestrian Master Plan (2012)* is incorrectly shown and should be corrected.
- **Off-Road Bicycle Facilities** - The city requirement of 2' graded shoulders meets minimum *AASHTO Guide* standards but not the *AASHTO Guide* preferred 3' to 5' shoulder width. It is recommended that wider shoulder widths with a 1V:6H maximum slope be used where feasible. Design speed and minimum centerline radii guidelines and reference to the *AASHTO Guide* for minimum lateral clearances around horizontal curves should be included in the *Bentonville Bicycle & Pedestrian Master Plan (2012)*. 5% grades or flatter should be highly encouraged where possible, but where unavoidable, the *AASHTO Guide* recommendations should be followed. A minimum grade of 0.5% is recommended for inclusion in the *Bentonville Bicycle & Pedestrian Master Plan (2012)*. The guideline stating that a crowned shared use path with a 2% cross slope is not acceptable and that the maximum cross slope of a crowned shared use path is 1% should be added. The city's minimum buffer width of 3' should be changed to 5' as measured from face of curb to side path in order to meet the recommended guidelines. If a 3' minimum buffer is maintained, a 42" minimum height physical barrier or railing should be added. The city should not allow proposed side paths to be less than 10' unless side paths meet the exceptions given in the shared path section of this document.





2.7 Proposed Typical Street Sections

Typical sections were prepared for each functional classification. Additionally, variations for pedestrian and bicycle facilities were included.

- **Arterial Streets** – Typical sections were developed for arterial streets and arterial boulevards that included sidewalks on both sides, sidewalks and bike lanes on both sides, and sidewalk on one side and side path on one side.
- **Collector Streets** – Typical sections were developed for collector streets with and without parallel parking that included sidewalks on both sides, sidewalks and bike lanes on both sides, and sidewalk on one side and side path on one side.
- **Local Streets** – Typical sections for local streets included sidewalks on both sides.
- **Residential Streets** – Typical sections for local streets included sidewalks on both sides.





3.0 Preliminary Analysis

The purpose of the preliminary analysis for the city wide traffic study in Bentonville was to analyze the existing transportation system to identify intersection locations for detailed analysis. These locations will be evaluated in the final analysis. The scope of services for the preliminary analysis consisted of data collection, analysis of existing conditions, and coordinating with the city to determine the locations for further study.

Information for traffic and crash data was obtained from a variety of sources including the City of Bentonville and the Arkansas State Highway and Transportation Department (AHTD). Additionally, previous traffic studies within the past 10 years were reviewed. With this information a total of 84 intersections were studied for the preliminary analysis.

Garver identified capacity and safety problems at the study intersections. The existing conditions were analyzed to identify any operational problems based on delay, level of service (LOS), and capacity versus traffic demand. The capacity needs were identified through *Synchro* software analysis and by travel time runs. Safety issues were identified by determining the crash frequency at the study intersections.

The list was based on LOS from the *Synchro* analysis, approach delay from travel time runs, high crash frequency, growth rate, and observations.

In analyzing existing conditions and developing recommendations, a number of indicators were examined, including: growth, delay and level of service (LOS) from *Synchro* traffic models, delay and LOS from travel time runs, and number of crashes. Performance indicators were compared in order to rank and narrow down locations for further analysis. A total of 36 critical intersections were identified. "Committed" projects that are programmed/funded for future development were considered which eliminated 13 of the recognized intersections.

Based on the findings from the preliminary analysis and discussion with the City of Bentonville, fourteen intersections were recommended for further review in the *Final Analysis*. These intersections are listed in **Section 4.0 – Final Analysis**.





4.0 Final Analysis

For the final analysis of the Bentonville city wide study, Garver conducted an in depth evaluation of fourteen intersections and developed planning level cost estimates for each intersection. The fourteen intersections evaluated were as follows:

- N Walton Boulevard (Hwy 71B) at Tiger Boulevard/NW 12th Street
- N Walton Boulevard (Hwy 71B) at Wal-Mart Drive
- N/S Walton Boulevard (Hwy 71B) at W Central Avenue
- S Walton Boulevard (Hwy 71B) at Redbud Street
- SE Walton Boulevard (Hwy 71B) at Medical Center Parkway
- John DeShields Boulevard/Museum Way at NE J Street
- Tiger Boulevard at Bella Vista Road
- NW 5th Street at Bella Vista Road
- E Central Avenue at NE J Street/SE J Street
- SW 2nd Street (Hwy 72) at Elm Tree Road
- SW 10th Street at SW A Street
- SE 14th Street (Hwy 102) at SE Phyllis Street
- SE 28th Street at SE J Street
- SE 28th Street at Medical Center Parkway

The analysis included collection of updated traffic counts during AM and PM peak periods, future traffic volume projections, crash analysis, stop control analysis, operational analysis, geometric analysis, and development of planning level costs.

The following recommendations were made at each intersection.

4.1 N Walton Boulevard at Tiger Boulevard/NW 12th Street

Several short-term (0-5 years) improvements are recommended at the intersection to counteract the future conditions. These improvements need to be done before improvements at the intersection of Tiger Boulevard at Bella Vista Road.

- Provide a 150' left turn lane on the eastbound approach
- Provide a 350' left turn lane on the westbound approach (could be striped for a TWLTL)
- Provide right turns with channelized islands for eastbound and westbound approaches
- Add flashing yellow arrow signal heads for northbound and southbound left turn movements
- Add pedestrian signals on all four corners when the N Walton Development Project is constructed
- Provide better turning radii for northbound and southbound right turns
- Modify/replace the existing signals to allow for the widening
- Restripe the northbound and southbound TWLTL's to include a minimum of 100' storage with 100' gap when overlays or other improvements occur on N Walton Boulevard





4.2 N Walton Boulevard at Wal-Mart Drive

The mid-term (5-10 years) recommendations are listed below. These improvements should occur when NW 5th Street is extended to N Walton Boulevard.

- Modify striping for the eastbound right turn lane to be utilized as a shared thru/right lane
- Construct the westbound NW 5th Street to include a 175' left turn lane
- Provide permitted only left turn signalization for the eastbound and westbound left turn movements
- Add flashing yellow arrow signal heads for northbound and southbound left turn movements
- Add pedestrian signals on all four corners when the N Walton Development project is constructed
- Modify/replace the existing signals to allow for the addition of the NW 5th Street leg
- Restripe the northbound and southbound TWLTL's to include a minimum of 100' storage with 100' gap when overlays or other improvements occur on N Walton Boulevard

4.3 N/S Walton Boulevard at W Central Avenue

This intersection is in need of both short-term improvements as well as mid-term improvements. The short-term (0-5 years) improvements are as follows:

- Provide a 100' right turn lane for eastbound, westbound and southbound approaches
- Provide 250' dual left turn lanes for the eastbound approach
- Provide 175' dual left turn lanes for the westbound approach
- Provide a 125' right turn lane for the northbound approach
- Add flashing yellow arrow signal heads for the northbound and southbound left turn movements
- Add pedestrian signals on all four corners when the N Walton Development Project is constructed
- Modify/replace the existing signals to allow for the additional turn lanes
- Restripe the northbound and southbound TWLTL's to include a minimum of 100' storage with 100' gap when overlays or other improvements occur on N Walton Boulevard

The mid-term improvements (5-10 years) are as follows:

- Widen W Central Avenue to two through lanes in each direction to the extent possible - space constraints may make widening to the east side (beyond simply adding turn lanes) difficult, thus the east leg could taper back to a two-lane route as fast as possible after the intersection if necessary
- Provide 350' dual left turn lanes for the eastbound approach
- Provide 175' dual left turn lanes for the westbound and southbound approaches
- Provide 200' dual left turn lanes for the northbound approach
- Provide a 100' right turn lane for eastbound, northbound and southbound approaches
- Provide a 150' right turn lane for the westbound approach
- Modify/replace the existing signals to allow for widening





4.4 S Walton Boulevard at Redbud Street

Immediate improvements are not needed, but traffic is likely to increase with the development of buildings such as the nine-story office and hotel. Additionally, the extension of SW 10th Street to Redbud Street would also increase traffic. To coincide with the SW 10th Street extension, the following mid-term (5-10 years) improvements are recommended as follows:

- Provide a 375' left turn lane on the westbound approach or if SW 10th Street is extended, provide a TWLTL
- Add flashing yellow arrow signal heads for northbound and southbound left turn movements
- Upgrade the wheelchair ramps on the west side of the intersection

4.5 SE Walton Boulevard at Medical Center Parkway

The intersection of SE Walton Boulevard at Medical Center Parkway is in need of both short-term improvements as well as mid-term improvements to accommodate future traffic volumes. The short-term (0-5 years) improvements are as follows:

- Provide a 225' left turn lane for the northbound approach
- Provide a 200' left turn lane for the southbound approach
- Provide a 100' right turn lane for eastbound and northbound approaches
- Add flashing yellow arrow signal heads for the left turn movements
- Ensure that crosswalks are legible on all four approaches
- Modify/replace the existing signals to allow for the additional turn lanes

The mid-term improvements (5-10 years) are as follows:

- Widen SE Walton Boulevard to three through lanes in each direction
- Provide 175' dual left turn lanes for the northbound approach
- Provide 150' dual left turn lanes for the southbound approach - when providing dual lefts on the southbound approach, add the new lane to the outside and stripe as a right turn lane so that one of the upstream lanes becomes a thru lane at the intersection and the other upstream approach lane becomes a left turn lane at the intersection
- Provide a 100' right turn lane for eastbound, northbound and southbound approaches
- Provide a 175' right turn lane for the westbound approach
- Modify/replace to the existing signals to allow for widening





4.6 John DeShields Boulevard/Museum Way at NE J Street

Due to the heavy growth generated from the Crystal Bridges Museum of American Art and the planned Children's Museum as well as soccer game traffic, short-term (0-5 years) improvements are recommended as follows:

- Install a single lane roundabout with a northbound right turn bypass lane – the design should accommodate buses as well as WB-67 trucks.

4.7 Tiger Boulevard at Bella Vista Road

Immediate improvements are not needed. However, mid-term (5-10 years) improvements are recommended as follows:

- Install a single lane roundabout.

This intersection improvement should be done after improvements to the intersection of Walton Boulevard and Tiger Boulevard have been completed.

4.8 NW 5th Street at Bella Vista Road

Immediate improvements are not needed. However, mid-term (5-10 years) improvements are recommended as follows:

- Install a single lane roundabout

The installation of the roundabout on NW 5th Street at Bella Vista Road should be tied into the NW 5th Street extension project.

4.9 E Central Avenue at NE J Street/SE J Street

This intersection is in need of both short-term improvements as well as mid-term improvements. The short-term (0-5 years) improvements are as follows:

- Provide 275' dual left turn lanes for the westbound approach
- Extend the northbound left turn lane to 100'
- Extend the southbound left turn lane to 250'
- Provide a 100' right turn lane for the eastbound approach
- Add flashing yellow arrow signal heads for all but the westbound left turn movement
- Modify/replace the existing signals to allow for the additional turn lanes





The mid-term improvements (5-10 years) are as follows:

- Widen NE J Street to two through lanes in each direction
- Convert the current eastbound right turn lane to a shared thru/right lane
- Extend the dual westbound left turn lanes to 325'
- Extend the northbound left turn lane to 150'
- Convert the current northbound right turn lane to a shared thru/right lane, and add an additional right turn lane
- Extend the southbound left turn lane to 450'
- Add a southbound right turn lane and convert the existing right turn lane to a thru lane
- Modify/replace the existing signals to allow for widening

4.10 SW 2nd Street at Elm Tree Road

The intersection of SW 2nd Street at Elm Tree Road is in need of both short-term improvements as well as mid-term improvements to accommodate future traffic volumes. The short-term (0-5 years) improvements are as follows:

- Provide 100' right turn lanes to the eastbound, northbound, and southbound approaches
- Provide a 100' left turn lane for the northbound approach
- Extend the southbound left turn lane to 150'
- Remove the split phasing
- Add flashing yellow arrow signal heads for all left turn movements
- Modify/replace to the existing signals to allow for the addition of the right turn lanes

The mid-term improvements (5-10 years) are as follows:

- Widen SW 2nd Street to two thru lanes in each direction
- Provide a 200' left turn lane for the eastbound approach
- Provide a 100' left turn lane for the westbound approach
- Provide a 300' left turn lane for the northbound approach
- Provide a 200' left turn lane for the southbound approach
- Provide a 100' right turn lane for the eastbound, westbound, northbound, and southbound approaches
- Modify/replace the existing signals to allow for widening





4.11 SW 10th Street at SW A Street

To coincide with the SW 10th Street extension, the following mid-term (5-10 years) improvements are recommended as follows:

- Install a single lane roundabout

4.12 SE 14th Street at SE Phyllis Street

The intersection of SE 14th Street at SE Phyllis Street is in need of both short-term improvements as well as mid-term improvements to accommodate future traffic volumes. The short-term (0-5 years) improvements are as follows:

- Construct islands on the northbound and southbound approaches to allow right-in/right-out only movements

The mid-term improvements (5-10 years) are as follows:

- Access management strategies are needed along the corridor

4.13 SE 28th Street at SE J Street

This intersection is in need of both short-term improvements as well as mid-term improvements. The short-term (0-5 years) improvements are as follows:

- Provide a 100' right turn lane for the eastbound, westbound, northbound, and southbound approaches
- Add flashing yellow arrow signal heads for the northbound and southbound left turn movements
- Modify/replace the existing signals to allow for the addition of the right turn lanes

The mid-term improvements (5-10 years) are as follows:

- Widen SE 28th Street to two through lanes in each direction
- Provide 125' dual left turn lanes for the northbound approach
- Provide 300' dual left turn lanes for the southbound approach
- Provide a 100' right turn lane for the eastbound, westbound, northbound, and southbound approaches
- Modify/replace the existing signals to allow for widening





4.14 SE 28th Street at Medical Center Parkway

The intersection of SE 28th Street at Medical Center Parkway is in need of both short-term improvements as well as mid-term improvements to accommodate future traffic volumes. The short-term (0-5 years) improvements are as follows:

The short-term (0-5 years) improvements are as follows:

- Provide a 100' right turn lane for the eastbound approach
- Provide a 150' left turn lane for the northbound approach
- Modify/replace the existing signals to allow for the additional turn lanes
- Restripe the eastbound and westbound TWLTL's to include a minimum of 100' storage with 100' gap when overlays or other improvements occur on SE 28th Street

The mid-term improvements (5-10 years) are as follows:

- Widen SE 28th Street to two through lanes in each direction
- Provide a 100' right turn lane for the eastbound approach
- Provide a 200' left turn lane for the northbound approach
- Modify/replace the existing signals to allow for the widening

The recommended mid-term improvements should coordinate with the overall project to widen SW/SE 28th Street from S Walton Boulevard to Moberly Lane. This widening project was recommended as a mid-term improvement project in the *Future Corridors* study.





5.0 Future Corridors

The purpose of the *Future Corridors* portion of the city wide traffic study in Bentonville was to analyze the existing transportation system to identify corridor locations in need of improvement. These locations were prioritized into mid-term (5-10 years), long-term (10-15 years) and future (15-20 years) projects.

In analyzing the corridors and developing recommendations, a number of indicators were considered including functional classification, previous studies, growth, travel speeds, observations, and level of service. For the purposes of recommending future projects, highways and roadways already undergoing improvements were eliminated from consideration. The following is a list of the recommendations.

5.1 Mid-Term Projects (5-10 Years)

The following projects are recommended to be completed within the next 5-10 years.

- NW 5th Street – Extend to N Walton Boulevard
- SW 2nd Street – Widen from Hugh Tater Black to the junction with W Central Avenue
- SW 10th Street – Extend to S Walton Boulevard
- SE/SW 14th Street – Widen from the western city limits to Greenhouse Road and provide widening/access management from Moberly Lane to the I-540 Ramps
- SE/SW 28th Street – Widen from S Walton Boulevard to Moberly Lane
- NE/NW J Street – Widen from E Central Avenue to John DeShields Boulevard/Museum Way
- E Central Avenue – Widen from I-540 to the eastern city limits and consider an adaptive signal system
- W Central Avenue – Widen from SW 2nd Street to N/S Walton Boulevard and consider an adaptive signal system
- N/S Walton Boulevard – Widen from SE J Street to the I-540 Ramps and consider an adaptive signal system

5.2 Long-Term Projects (10-15 Years)

The following projects are not needed with current traffic conditions, but are recommended for future traffic conditions.

- SE/SW 14th Street – Widen from S Walton Boulevard to Moberly Lane and consider an adaptive signal system
- NW A Street – Additional capacity needed between W Central Avenue and Tiger Boulevard
- N/S Walton Boulevard – Widen from W Central Avenue to SE J Street





5.3 Future Projects (15-20 Years)

This list should be re-evaluated in ten years due to changing conditions.

- NW A Street – Additional capacity needed between W Central Avenue and Tiger Boulevard
- SW A Street – Additional capacity needed between W Central Avenue and S Walton Boulevard
- E Battlefield Boulevard – Additional capacity needed between Moberly Lane and Woods Creek
- Been Road – Additional capacity needed between SW 20th Street and SW 14th Street
- Bright Road – Additional capacity needed between SW Fir Avenue and SW Regional Airport Boulevard
- Bella Vista Road– Additional capacity needed between N Walton Boulevard and NW 5th Street
- Moberly Lane – Additional capacity needed between SE 8th Street and John DeShields Boulevard
- Tiger Boulevard– Additional capacity needed between N Walton Boulevard and NW A Street



**City Council
Agenda
February 25, 2014**

**Octopus Messaging Inc.: Rezoning Request, 908 East Central Avenue,
Zoned R-1, Single Family Residential.**

The planning commission voted 5-0 recommending approval.

The applicant has requested a rezoning from R-1, Single Family Residential to D-E, Downtown Edge, for the intention of developing it as well as the adjacent property at 910 E. Central.



PC Meeting of: February 4, 2014

The City of Bentonville, Arkansas

305 S.W. "A" Street
Bentonville, AR 72212
Telephone: (479) 271-3126
Fax: (479) 271-5906

Planning Commission Staff Report

REZONING: Octopus Messaging Inc. (908 East Central Avenue) R-1, Single Family Residential to DE, Downtown Edge

TO: City of Bentonville, Arkansas Planning Commission
FROM: Jon Stanley, Planner
THRU: Troy Galloway, AICP, Community Development Director
DATE: February 4, 2014

GENERAL INFORMATION

H.T.E. Project Number: 14-09000001

Applicant/Current Owner: Octopus Messaging Inc.

Representative: Heather Wegner

Requested Action: Rezoning

Location: 908 East Central Avenue

Existing Zoning: R-1, Single Family Residential

Proposed Zoning: DE, Downtown Edge

Future Land Use Map Designation: Low Density Residential

BACKGROUND / HISTORY

Property Description/Site Inspection: A site inspection was completed; this property consists of a single family residence in a Low Density Residential Area.

Previous Rezoning Requests for this Property: There are no known rezoning requests for this location.

Surrounding Land Uses & Zonings:

Direction	Current Land Use	Existing Zoning	Future Land Use Map Designation
North	Single Family Residence	R-1,Single Family Residential	Low Density Residential
South	Assisted Living	R-1,Single Family Residential	Low Density Residential
East	Single Family Residence	DE, Downtown Edge	Low Density Residential
West	Single Family Residence	R-1,Single Family Residential	Low Density Residential

Surrounding Streets & Classifications:

Direction	Name	Master Street Plan Classification	Current Condition
North	East Central Avenue	Collector	4 lane with center turn lane, asphalt curb and gutter
South	-	-	-
East	-	-	-
West	-	-	-

LEGAL NOTIFICATIONS

Public Notice: The property owner and/or representative mailed certified public notices to property owners within a 200 foot radius of the subject site on January 28, 2014 and staff published a legal notice in the Arkansas Democrat-Gazette, Northwest Arkansas Addition on January 16, 2014. In addition, staff posted a notice of public hearing sign on the property on January 17, 2014. This **DOES** meet legal notification requirements and is adequate for the scope of this rezoning application.

RELATIONSHIP TO THE GENERAL PLAN AND FUTURE LAND USE MAP

1. A determination of the degree to which the proposed zoning is consistent with land use planning objectives, principles, and policies and with land use and zoning plans.

Finding(s) of Staff: Appropriate policies shall provide for a transition area between downtown commercial and single family residential. According to Policy LU-16 Infill Development of the General Plan “The City shall encourage the development of mixed-use and residential projects within the downtown area to increase the community’s housing stock and to enhance the vitality of downtown businesses. Policy LU-23 Housing Types states “the City should encourage the development of a mix of housing types to meet the needs of residents...”. The proposed rezoning will meet the intent of both policies therefore the request is consistent with good land use planning and the general plan.

2. A determination as to whether the proposed zoning would create or appreciably increase traffic danger and congestion.

Finding(s) of Staff: The proposed development will not create an increase to traffic danger in the area. The existing street infrastructure is adequate for the proposed traffic.

3. A determination as to whether the proposed zoning would significantly alter the population density and thereby undesirably increase the load on public services including schools, emergency services, and water and sewer facilities.

Finding(s) of Staff: The proposed zoning will not adversely impact the public infrastructure. Emergency services are adequate at this location.

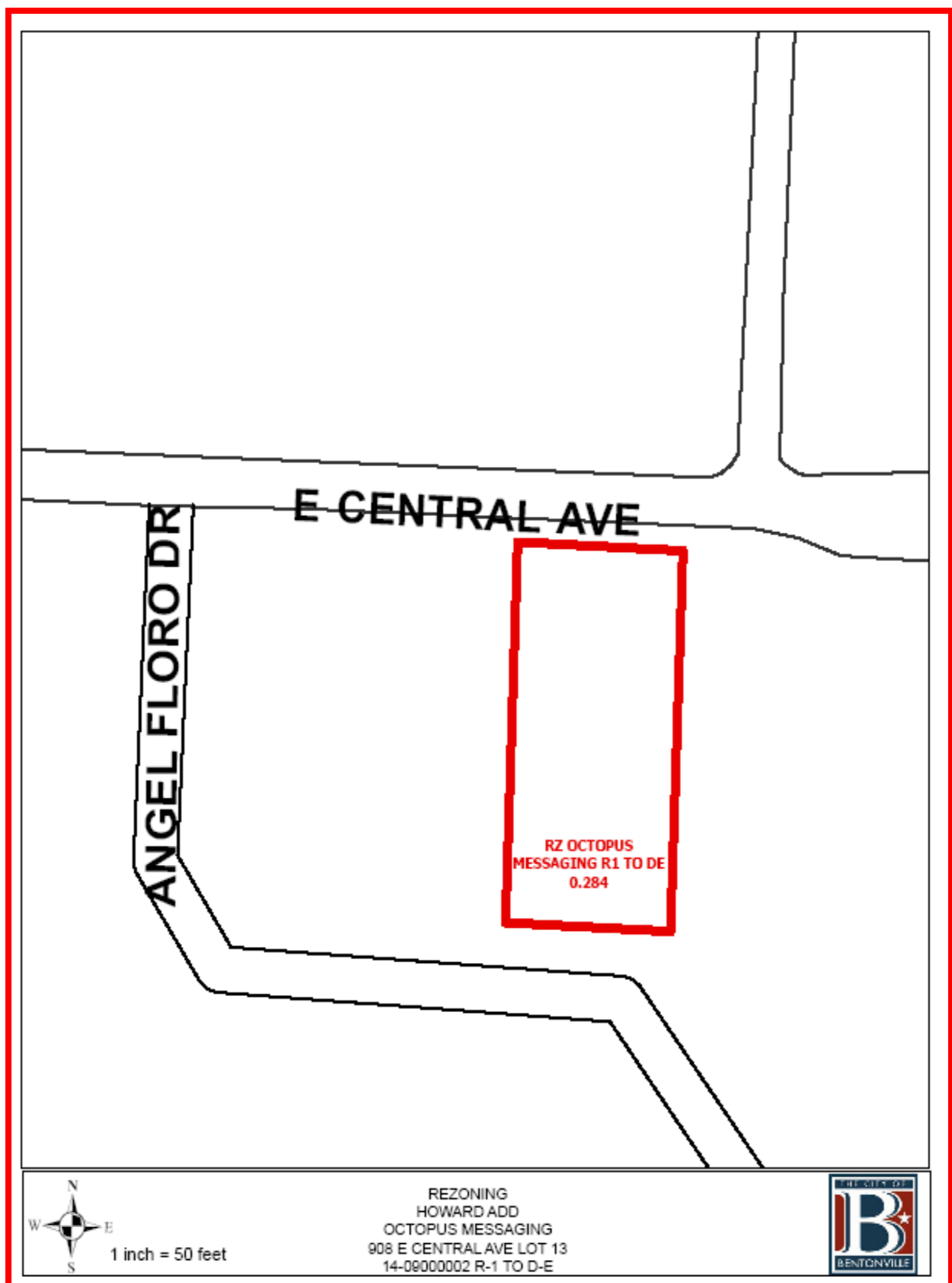
ANALYSIS, CONCLUSION, & SUMMARY

The Downtown Edge zoning classification creates an area of transition between the downtown core and low density residential on the outskirts of downtown. The Downtown Edge allows for commercial and residential mixed use developments and will have the greatest potential for infill and redevelopment. This rezoning request permits for a range of residential types with supportive neighborhood-scale commercial uses in a key transition area of the city that will allow for the most flexibility from high impact corridor commercial located to the east of the intersection of Northeast J Street and East Central Avenue and the single family residential that is located to the west of this intersection. The proposed zoning will add density and/or provide goods and services to downtown therefore helping retain current commercial and residential uses in the downtown area.

STAFF RECOMMENDATION

Staff has reviewed this application and based on the findings presented in this staff report, staff recommends **APPROVAL** of this rezoning request.





Narrative for Rezoning of 908 E Central Ave.

- Current zoning is R-1 and would like to rezone to DE. Octopus Messaging purchased 908 E Central in early 2013 with the intention of rezoning it to DE and developing it as well as the adjacent property 910 E Central. 910 E Central has already been rezoned to DE. Due to lot size, the purchase of 908 E Central was made. Octopus Messaging is not planning on selling the properties but is instead planning on developing the site to offer prepared food combined with a retail outlet for local art as well as an apartment.
- Would like to improve 908 E Central into the "store" with an apartment in the back while demolishing the building on 910 E Central.
- Property will be improved to a more attractive look that is more appealing to the entrance into the downtown area. Combined properties (910 and 908 E Central) are adjacent to Casey's gas station and to a residence. It will fit into the existing look/feel of the street.
- Property is to be used as a retail store and restaurant and/or bakery as well as an apartment.
- Traffic should not be affected by the change.
- An attractive sign will be placed in front of the building which complies with Bentonville code.
- Appearance will be similar to what it is now with new paint (lighter), landscaping and a picket fence.
- Location is on city water and sewer.

Octopus Messaging INC
Heather Wegner
479-685-8527 / heather@octopusmessaging.com

ORDINANCE NO. _____

AN ORDINANCE CHANGING REAL ESTATE IN THE CITY OF BENTONVILLE, ARKANSAS, FROM ITS PRESENT CLASSIFICATION TO D-E, DOWNTOWN EDGE

WHEREAS, Octopus Messaging Inc. duly filed a petition with the City Planning Commission requesting that the hereinafter described real property situated in Benton County, Arkansas, be changed from its present classification to D-E property to be used in accordance with city zoning laws and state laws; which property is described as follows:

THE WEST 75 FEET OF LOT 13 OF HOWARD'S ADDITION TO THE CITY OF BENTONVILLE, BENTON COUNTY, ARKANSAS

Commonly known as 908 EAST CENTRAL AVENUE

WHEREAS, the City Planning Commission duly met and considered the application and duly set the petition for public hearing to be held the 19th day of February 2014 in the Council Room of the City of Bentonville; notice of said hearing having been published in the Benton County Daily Record for the time and in the manner required by law; and

WHEREAS, the City Planning Commission voted to recommend to the City Council that the petition be approved and that said property be rezoned from its present classification to D-E property;

NOW THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL FOR THE CITY OF BENTONVILLE, ARKANSAS:

Section 1: That the above described real property is hereby changed from its present classification to D-E property to be used in accordance with the City zoning laws of the State of Arkansas.

PASSED AND APPROVED this _____ day of _____, 2014

ATTEST

APPROVED

CLERK

MAYOR



CHECK ALL THAT APPLY	
Bid Award	Bid #
Budget Adjustment	
Change Order	
Informational	
Ordinance	
Resolution	
Other	

AGENDA FORM

CITY COUNCIL MEETING OF:

February 25, 2014

Submitted by: Ben Peters

Department: Engineering

Phone: 479-271-3166

ACTION REQUIRED:

A resolution setting a public hearing for a street right of way vacation located in Lot 7 of Eversole Addition except for the attached utility easement.

COST TO CITY:

Cost of this Request: \$0

Additional Budget Amount: \$0

☒ One time amount

☐ Continuing O and M

Previously Budgeted	\$ -
Funds Expended to Date	-
Remaining Budget	-
Budget Adjustment	-
Remaining After Adjustment	\$ -

Department Head: [Signature] Date: 2-18-14

Purchasing Agent: [Signature] Date: [Blank]

Finance Director: [Signature] Date: 2/20/14

Staff Attorney: [Signature] Date: 2/20/14

Mayor: [Signature] Date: 2/20/14

This form must be turned into the Mayor's office 7 days prior to the scheduled City Council meeting.

117 WEST CENTRAL AVENUE * BENTONVILLE, AR 72712
www.bentonvillear.com



PLEASE RECYCLE



PETITION TO VACATE

which is described as follows:

PETITION TO VACATE AN Street Right of Way
LOCATED AT Southwest 'I' Street and old Hwy 112

CITY OF BENTONVILLE, ARKANSAS.

TO: The Bentonville City Council

We, the undersigned, being all the owners of the real estate of or adjacent to the Street Right-of-Way
to be vacated hereinafter sought to be abandoned and vacated, lying in Bentonville, Arkansas, a municipal corporation,
petition to vacate an Right-of-way which is described as follows:

Legal
Description
of area to
be vacated

See Attached

That the real estate affected by said abandonment of the Street Right-of-Way
located at Southwest 'I' Street and old Hwy 112

to the City of Bentonville, Arkansas, a certified copy of the original plat located in the Circuit Clerk's Office for the County of Benton, State of Arkansas, is attached hereto, and made a part hereof as though set out herein word for word.

Petitioners state that the above described real estate will not adversely affect the public interest and welfare and would also not be adversely affected by the abandonment of the above described Street Right-of-Way

The petitioners recommend that the City of Bentonville, Arkansas, abandon and vacate the above described real estate, subject, however, to the existing utility easements as required, and that the above described real estate be used for their respective benefit and purpose as now approved by law.

WHEREFORE, the undersigned petitioners respectfully recommend that the governing body of the City of Bentonville, Arkansas, abandon and vacate the above described real estate, subject to said utility easements and as to that particular land the owner be free from the easements of the public for the use of said real property.

Dated this 31 day of January, 2014

MIKE CHURCHWELL
Printed Name



Printed Name

Signature

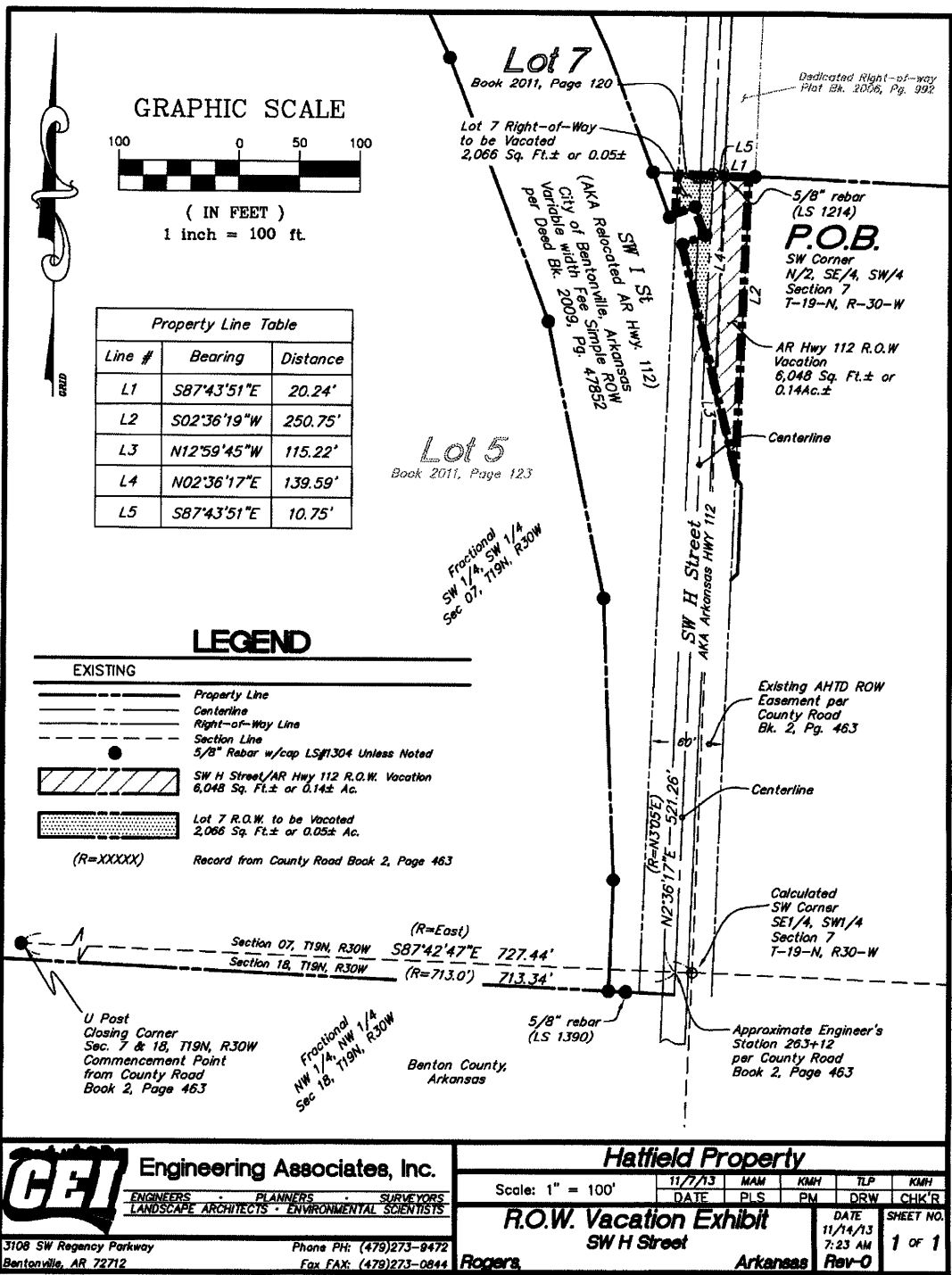
R.O.W. Vacation Description

A portion of that 60-foot wide Right-of-Way easement acquired by County Road Record Book 2, Page 463 lying in the Southeast Quarter (SE1/4) of the Southwest Quarter (SW1/4) and the fractional West Half (W1/2) of the Southwest (SW1/4) of Section 7, Township 19 North, Range 30 West in Benton County, Arkansas being more particularly described by metes and bounds as follows:

BEGINNING at a found 5/8" capped rebar embossed LS#1214 at the Southwest Corner of said North Half (N1/2) of the Southeast Quarter (SE1/4) of the Southwest Quarter (SW1/4) and being a replacement of the Southwest corner of Limestone Ranch Subdivision as recorded in Plat Book 2006, Page 992; Thence along the South boundary of said Subdivision South 87° 43' 51" East a distance of 20.24 feet to the Eastern Right-of-Way of said Southwest H Street formerly known as Arkansas Highway 112 according to said County Road Book 2, Page 463; Thence along said Right-of-Way South 02° 36' 19" West a distance of 250.75 feet to the East Right-of-Way of SW I Street per Plat Book 2011, Page 120, AKA Relocated Arkansas Highway 112; Thence along said Right-of-Way North 12° 59' 45" West a distance of 115.22 feet to the South Corner of Lot 7 of Eversole Addition according to said Plat Book 2011, Page 120; Thence along the East line of said Lot 7 North 02° 36' 17" East a distance of 139.59 feet to a found mag nail with washer embossed LS#1304 at the Northeast corner of said Lot 7; Thence South 87° 43' 51" East a distance of 10.75 feet to the **POINT of BEGINNING** and containing 6,048 square feet or 0.14 acres, more or less.

Lot 7 R.O.W. Vacation Description

That certain portion of a 60-foot wide Right-of-Way easement acquired by Benton County Road Book 2, Page 463 that lies within Lot 7 of Eversole Addition according to Plat Book 2011, Page 120 of the Plat Records of Benton County, Arkansas, and being portion of the fractional West Half (W1/2) of the Southwest Quarter (SW1/4) of Section 7, Township 19 North, Range 31 West, City of Bentonville, Arkansas and containing 2,066 square feet or 0.05 acres, more or less.



Brenda DeShields-Circuit Clerk
Benton County, AR
Book/Pg: 2014/4882
Term/Cashier: CASH3/Teresa Baber
01/30/2014 11:41:32AM
Tran: 273634
Total Fees: \$25.00

Book **2014** Page **4882**
Recorded in the Above
DEED Book & Page
01/30/2014

UTILITY EASEMENT

That for and in consideration of One Dollar (\$1.00) and other good and valuable considerations to the undersigned _City of Bentonville_, Grantor(s), cash in hand paid, the receipt of which is hereby acknowledged, said Grantor does hereby grant, bargain, sell and convey unto the City of Bentonville, Arkansas, Grantee, their successors and assigns, a permanent right of way and easement to lay, construct, remove, relay, enlarge, maintain, inspect, repair and operate all municipally owned and franchised/permitted utilities including but not limited to water and sewer line or lines, manholes, sewer force main, fire hydrants, poles, electric lines and other appurtenances thereto, with right of ingress and egress to and from the same, on over, across and under the following described real estate to-wit:

PROPERTY DESCRIPTION:

A portion of Right of Way for Arkansas Highway 112 acquired by County Road Record Book 2, Page 463

PERMANENT EASEMENT DESCRIPTION:

A portion of that 60-foot wide Right-of-Way easement acquired by County Road Record Book 2, Page 463 lying in the Southeast Quarter (SE1/4) of the Southwest Quarter (SW1/4) and the fractional West Half (W1/2) of the Southwest (SW1/4) of Section 7, Township 19 North, Range 30 West in Benton County, Arkansas being more particularly described by metes and bounds as follows:

BEGINNING at a found 5/8" capped rebar embossed LS#1214 at the Southwest Corner of said North Half (N1/2) of the Southeast Quarter (SE1/4) of the Southwest Quarter (SW1/4) and being a replacement of the Southwest corner of Limestone Ranch Subdivision as recorded in Plat Book 2006, Page 992; Thence along the South boundary of said Subdivision South 87° 43' 51" East a distance of 20.24 feet to the Eastern Right-of-Way of said Southwest H Street formerly known as Arkansas Highway 112 according to said County Road Book 2, Page 463;
Thence along said Right-of-Way South 02° 36' 19" West a distance of 250.75 feet to the East Right-of-Way of SW I Street per Plat Book 2011, Page 120, AKA Relocated Arkansas Highway 112; Thence along said Right-of-Way North 12° 59' 45" West a distance of 115.22 feet to the South Corner of Lot 7 of Eversole Addition according to said Plat Book 2011, Page 120;
Thence along the East line of said Lot 7 North 02° 36' 17" East a distance of 139.59 feet to a found mag nail with washer embossed LS#1304 at the Northeast corner of said Lot 7; Thence South 87° 43' 51" East a distance of 10.75 feet to the **POINT of BEGINNING** and containing 6,048 square feet or 0.14 acres, more or less.

The above described temporary construction easement shall terminate upon the acceptance of the improvements to be constructed within the above described permanent easement by the City of Bentonville, Arkansas.

Grantees shall have and are hereby granted the right of constructing, reconstructing, locating, relocating, inspecting, patrolling, expanding existing facilities or such additional facilities, lines, and appurtenances as may be required in the future, and maintaining, and removing said lines and appurtenances. Grantees shall have and are hereby granted the further right at all time to remove from said lands all crops. Vegetation, undergrowth, trees, and parts thereof, or other obstructions, which in the opinion of the Grantees, restricts access, constitutes a hazard, or endangers the safety and/or the reliability of said lines, or their appurtenances and/or the public, and/or for the purpose of installing additional facilities.

The Grantor or his successors shall not cause to be constructed any buildings, structures or other improvement (other than fences, driveways, and paved parking areas) within the above described easement, and no trees shall be planted by Grantor or his successors on said easement. Grantor or his successors shall not be entitled to any compensation for fences, growing crops, structures which may be removed or disturbed within this permanent easement by virtue of Grantees' exercise of the rights under this agreement.

Grantees agree to repair any damage to Grantor's driveways, sidewalks, parking areas, lawn or pastures that result from the exercise of rights and privileges contained within the easement and right of way described herein. Said damage to driveways, sidewalks, parking areas, lawn or pastures shall be restored by Grantees as close as is reasonable to the original condition.

It is further understood that Grantee's easement shall be exclusive and the Grantor or his successors shall convey no parallel rights to any person, utility or corporation on, across or under said right of way without the written permission of Grantees.

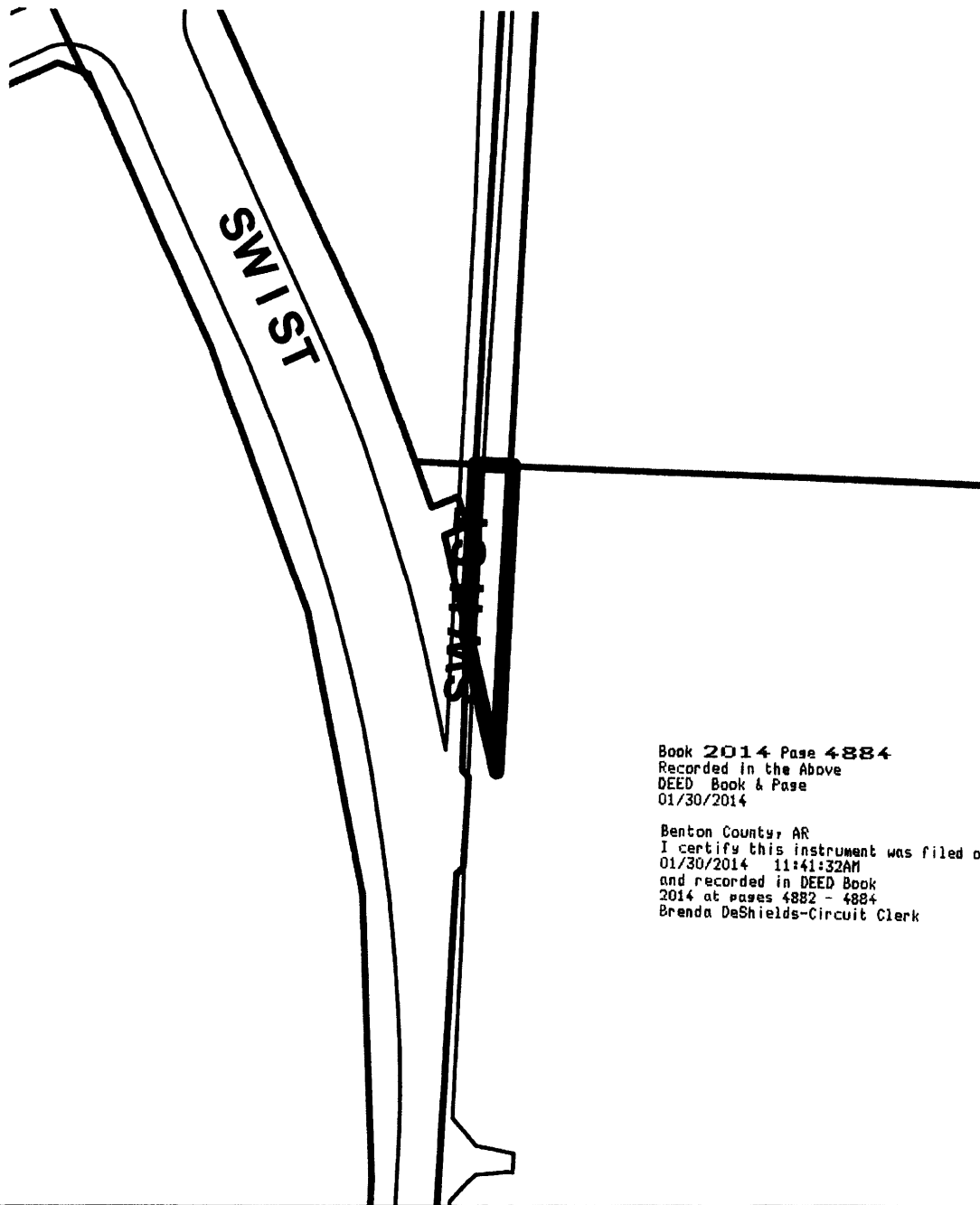
TO HAVE AND TO HOLD the above described easement and right unto said grantees, its successors and assigns, forever or until said right of way if finally abandoned.

Grantor also agrees to forever warrant and defend the above described easement and right of way unto said grantees against all legal claims.

IN WITNESS WHEREOF, the hand and seal or Grantor is hereunto set this

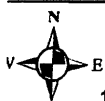
28th day of Jan, 2014.





Book 2014 Page 4884
Recorded in the Above
DEED Book & Page
01/30/2014

Benton County, AR
I certify this instrument was filed on
01/30/2014 11:41:32AM
and recorded in DEED Book
2014 at pages 4882 - 4884
Brenda DeShields-Circuit Clerk



1 inch = 100 feet

Hatfield Property
Easement Dedication Exhibit
SW H Street



RESOLUTION NO. _____

IN THE CITY COUNCIL FOR THE CITY OF BENTONVILLE, ARKANSAS

WHEREAS, a petition was duly filed with the City Council of Bentonville, Arkansas by City of Bentonville, requesting that the following street right of way within the City of Bentonville, Arkansas be vacated, which said street right of way is described as follows:

R.O.W. Vacation Description

A portion of that 60-foot wide Right of Way easement acquired by County Road Record Book 2, Page 463 lying in the Southeast Quarter (SE1/4) of the Southwest Quarter (SW1/4) and the fractional West Half (W1/2) of the Southwest (SW1/4) of Section 7, Township 19 North, Range 30 West in Benton County, Arkansas being more particularly described by metes and bounds as follows:

BEGINNING at a found 5/8" capped rebar embossed LS#1214 at the Southwest Corner of said North Half (N1/2) of the Southeast Quarter (SE1/4) of the Southwest Quarter (SW1/4) and being a replacement of the Southwest corner of Limestone Ranch Subdivision as recorded in Plat Book 2006, Page 992; Thence along the South boundary of said Subdivision South 87° 43' 51" East a distance of 20.24 feet to the Eastern Right-of-Way of said Southwest H Street formerly known as Arkansas Highway 112 according to said County Road Book 2, Page 463; Thence along said Right-of-Way South 02°36'19" West a distance of 250.75 feet to the East Right-of-Way of SW I Street per Plat Book 2011, Page 120, AKA Relocated Arkansas Highway 112; Thence along said Right-of-Way North 12°59'45" West a distance of 115.22 feet to the South Corner of Lot 7 of Eversole Addition according to said Plat Book 2011, Page 120; Thence along the East line of said Lot 7 North 02°36'17" East a distance of 139.59 feet to a found mag nail with washer embossed LS#1304 at the Northeast corner of said Lot 7; Thence South 87°43'51" East a distance of 10.75 feet to the **POINT of BEGINNING** and containing 6,048 square feet or 0.14 acres, more or less.

Lot 7 R.O.W. Vacation Description

That certain portion of a 60-foot wide Right-of-Way easement acquired by Benton County Road Book 2, Page 463 that lies within Lot 7 of Eversole Addition according to Plat Book 2011, Page 120 of the Plat Records of Benton County, Arkansas, and being portion of the fractional West Half (W1/2) of the Southwest Quarter (SW1/4) of Section 7, Township 19 North, Range 31 West, City of Bentonville, Arkansas and containing 2,066 square feet or 0.05 acres, more or less.

WHEREAS, Ark. Code Ann. Section 14-301-302(c) provides that the City Council shall by resolution fix a day for the hearing of the petition and shall direct the City Clerk and Recorder to give notice of the meeting, by publication, once per week for two (2) consecutive weeks in some newspaper published in and having general circulation in Bentonville, Benton County, Arkansas.

NOW, THEREFORE, BE IT RESOLVED, by the City of Bentonville, Arkansas, that the petition to close the above described street right of way is set for hearing on March 11, 2014 at 6:00 p.m. in the City Council Room of the City of Bentonville, Arkansas, and the Bentonville

City Clerk and Recorder is directed to give notice of this meeting by publication as set forth by Ark. Code Ann. Section 14-301-302(c).

The above and foregoing resolution was passed, approved and adopted the _____ day of _____ 2014 at a regular meeting of the City Council of the City of Bentonville, Arkansas.

Linda Spence, City Clerk
Bentonville, Arkansas

Bob McCaslin, Mayor
City of Bentonville, Arkansas



CHECK ALL THAT APPLY	
Bid Award	Bid #
Budget Adjustment	
Change Order	
Informational	
Ordinance	
x Resolution	
Other	

AGENDA FORM

CITY COUNCIL MEETING OF:

February 25, 2014

Submitted by: Ben Peters

Department: Engineering

Phone: (479) 271-5993

ACTION REQUIRED:

Staff is seeking a resolution for the Mayor and City Clerk to enter into a contract with CEI Engineering Associates, Inc. for the survey and design of Multi-use Trails on the west side of North Walton Boulevard.

COST TO CITY:

Cost of this Request:

Additional Budget Amount \$0

☒ One time amount

☐ Continuing O and M

Previously Budgeted	\$ -
Funds Expended to Date	-
Remaining Budget	-
Budget Adjustment	
Remaining After Adjustment	\$ -

Department Head [Signature] Date 2-18-14

Staff Attorney CT Date 2/20/14

Purchasing Agent _____ Date _____

Mayor [Signature] Date 2/20/14

Finance Director [Signature] Date 2/20/14

This form must be turned into the Mayor's office 7 days prior to the scheduled City Council meeting.

117 WEST CENTRAL AVENUE * BENTONVILLE, AR 72712

www.bentonvillear.com



PLEASE RECYCLE





Memorandum

To: Mayor and City Council
From: Ben Peters, City Engineer 
Date: 2/18/2014
Re: Survey and Design of Multi-use Trail on North Walton

In pursuit of willingness to participate with Federal Funding, Staff is seeking approval of a budget adjustment and a resolution for the survey and design of a multi-use trail on the west side of North Walton Boulevard. This 10' concrete trail will start at approximately SW "I" Street, next to the City of Bentonville Water Tanks, and continue north to NW 14th Street, ending around the "Tiger Stop". The City of Bentonville proposes to use a combination of funding, including City of Bentonville and Federal Transportation Alternatives Program (TAP) funding for construction.

Staff has negotiated a contract with CEI Engineering Associates, Inc. for the survey and design of this project. The total contract amount is \$71,367.50.

Staff recommends approval of the contract as written.

Please contact me with any questions or concerns regarding the proposed contract or the project as a whole. My direct telephone number is (479) 271-5993 or I can be reached via email at bpeters@bentonvillear.com.



City of Bentonville, AR
Walton Blvd Multi-use Trail
Survey and Construction Documents
Proposal For Engineering Services
February 10, 2014- CEI No. 28____

3108 SW Regency Parkway, Suite 2, Bentonville, AR 72712 (479) 273-9472

I. PROJECT DEFINITION

Using the City of Bentonville funding, provide the design of a 10 ft. multi-use trail on the west side of Walton Boulevard from approximately S W "I", near the City's water storage tanks, then north to approximately 14th Street or the "Tiger Stop" store. The 10 ft. multi-use trail shall be constructed within existing Arkansas State Highway and Transportation Department (AHTD) right-of-way (ROW). The City proposes to use a combination of funding, including the City of Bentonville and Federal Transportation Alternates Program (TAP) funding for construction. The TAP project is 2014 -- 090 -- Bentonville -- Walton Blvd Multi-use Trail.

II. SCOPE OF BASIC SERVICES

Provide survey and subsequent design for a ten (10) ft. multi-use trail to be constructed on the west side of Walton Boulevard from approximately S W "I", near the City's water storage tanks, then north to approximately 14th Street or the "Tiger Stop" store. The 10 ft. multi-use trail shall be constructed within existing AHTD ROW. Survey will be GPS based and use City of Bentonville Control. Design and construction documents will be AHTD or City of Bentonville Format as determined by the City.

Construction Phase Services, including Title II and construction observation will be added by separate contract or mutually acceptable addendum to this contract.

Please also refer to the attached scope and fee estimate spreadsheets for additional details.

A. Survey

Fees\$28,977.50 (not-to-exceed)

B. Design, construction documents and bidding.

Fees\$42,390.00 (not-to-exceed)

Total (excluding reimbursables).....\$71,367.50 (not-to-exceed)

*Reimbursables are additional as defined in Section V. SCHEDULE OF CHARGE. Reimbursables are estimated at \$1,500.00 for mileage and printing plans, and \$3,000.00 for one-call required for utility surveys. **The total estimated for survey and design with reimbursables is \$75,867.50.***

Construction Phase Services, including Title II and construction observation will be added by separate contract or mutually acceptable addendum to this contract.

III. RESPONSIBILITY OF CLIENT:

- A. Notice to Proceed.
- B. Access to the site.
- C. Application fees if required.

Revised 2014

IV. SERVICES NOT INCLUDED/ADDITIONAL SERVICES

In addition to the services described above, CEI is capable and available to provide the following services on an "as requested" basis. An Extra Work Authorization (EWA) form or contract amendment will be issued for any services outside the scope of this proposal. All EWA's or contract amendments will be approved and signed by the Client identified herein prior to beginning work. All additional services will be performed on an hourly basis per the current Schedule of Charges.

- Feasibility Study to include any or all physical, political and/or financial opportunities or constraints.
- Coordination of Environmental Survey, Traffic Survey, and other Subconsultants.
- Water Distribution Report.
- Conditional Use Permits.
- Perspectives, renderings, and models.
- Traffic studies.
- Environmental Impact Analysis.
- Replatting.
- Preparation of estimates of probable construction costs.
- Preparation of covenants of development agreements.
- Retaining wall designs.
- Sight lighting plans/Photometrics.
- Off-site utility plans other than those immediately adjacent to the subject property.
- Off-site street improvement plans such as road widening, accel/decel lanes and medians. *(However civil drawings indicating new curbscuts, curb and gutter, and city sidewalks will be included in Basic Services).*
- Alley vacation, easements abandonment's and right of way dedications.
- Final record drawings.
- Historical or archeological studies.
- Updated Title Policy.
- Construction Staking.
- Contract administration, construction management or observation *(answering RFI's, review shop submittals, etc.)*
- Bidding or contract negotiations.
- Major stormwater drainage plans or relocation i.e. box culverts, large ditches and stormwater conductors in excess of four feet in diameter.
- Preparation of easements or right of way documents.
- Preparation of drainage study/report

V. SCHEDULE OF CHARGES

Charges for our services are divided into three categories: Labor, Consultants, and Reimbursable Expenses. A new schedule of charges is issued at the beginning of each year. The schedule of charges may also be revised during the year as conditions dictate.

LABOR: For fees billed on an hourly basis, labor charges are billed by category as follows:

ARKANSAS (01-10-14)

Officer / Regional Manager	\$150.00
Department Manager	\$140.00
Program Manager	\$120.00
Registered Landscape Architect	\$105.00
Project Manager	\$115.00
Planning Project Manager	\$105.00
Project Engineer	\$105.00
Assistant Project Manager	\$100.00
Survey Project Manager	\$100.00
Project Designer	\$ 90.00
Assistant Survey Project Manager	\$ 90.00
Project / Planner Administrator	\$ 85.00
CAD Designer	\$ 80.00
Survey Party Chief	\$ 80.00
Survey Technician	\$ 75.00

Revised 2014

CAD Technician	\$ 70.00
Construction Observer	\$ 70.00
Field Specialist	\$ 60.00
Program Assistant	\$ 65.00

SUB-CONSULTANT SERVICES: In cases where CEI retains another engineering consultant to provide services outside of our area of practice, cost of such services will be charged at actual invoice cost, subject to prior approval by client.

REIMBURSABLE EXPENSES: Outside services, and related materials, will be charged at the actual invoice cost. In addition, direct out-of-pocket costs such as postage, delivery services, travel (other than vehicle mileage), and subsistence expenses will be charged at actual costs. Vehicle mileage is billed at the applicable I.R.S. rate allowed per mile.

All impact, permitting, expediting, and review fees will be charged at 15% over the cost of the fee unless the client is willing to pay those fees directly to the service provider.

- VI. **CREDIT POLICY:** Terms will be given only to clients with approved credit. Invoices will be rendered monthly, either as final or progress billing. CEI payment terms are net 30 days. Invoices past 30 days due will be subject to a monthly service charge, which will be assessed in compliance with state usury laws. Should the account be placed for collection with an outside collector, the cost of such collections will be added to the principal amount owed. CEI may stop work on any account that is 60 days delinquent. In the event that CEI elects to stop work as provided herein, Client will be assessed a resumption of work charge equal to 20% of the total contract amount. Said resumption of work charge and all outstanding invoices must be paid in full by Client prior to the resumption of work on the project. Client agrees that the balance as stated on the invoice from CEI to Client is correct, conclusive, and binding on the Client unless Client within thirty (30) days from the date of the receipt of the invoice notifies CEI in writing of the particular item that is alleged to be incorrect.

Client's Initials _____

Required for contract to be valid

VII. **STANDARD TERMS AND CONDITIONS**

STANDARD OF PRACTICE

Services performed by CEI under this Agreement will be conducted in a manner consistent with the level of care and skill ordinarily exercised by engineers currently practicing in the same locale under similar conditions. No other representation, expressed or implied, and no warranty or guarantee is included or intended in this Agreement, or in any report, opinion, document, or otherwise. All other common law warranties are hereby expressly disclaimed.

Client agrees that payment of all CEI invoices under this Agreement is for services rendered on behalf of Client and payment is not conditioned on (1) the receipt of any municipal or governmental approvals, authorizations, permits, or licenses or any type; (2) the availability of any utility services; or (3) payment to Client by any third party.

OWNERSHIP OF DOCUMENTS

All documents including drawings and specifications prepared or furnished by CEI pursuant to this Agreement are instruments of service in respect to the project and CEI shall retain an ownership and property interest therein whether or not the project is completed. Client may make and retain copies for information and reference in connection with the use and occupancy of the project by Client or others.

RE-USE OF DOCUMENTS

Copies of all reports, drawings, specifications, field data, field notes, laboratory test data, calculations, estimates, and other documents provided to Client as instruments of service are for use on the project specifically described in this Agreement. Any re-use of these by the Client for any other project or extension of this project, without the express, written authorization, verification,

Revised 2014

or adaptation by CEI, will be at Client's sole risk and without liability or legal exposure to CEI or CEI's independent professional associates or consultants, and Client shall indemnify, hold harmless and defend CEI and CEI's independent professional associates and consultants from all claims, damages, losses and expenses including attorneys' fees arising out of or resulting therefrom.

INSURANCE

CEI maintains the following insurances:

Worker's compensation of a form and in an amount as required by law and employer's liability insurance of \$1,000,000.

Comprehensive general liability with limits of \$4,000,000 (\$2,000,000 per occurrence), and automotive liability insurance with limits of \$1,000,000 combined single limit.

Excess liability umbrella insurance of \$5,000,000.

Professional liability insurance with a limit of \$2,000,000, per claim/annual aggregate.

Upon written request of Client, CEI will provide additional insurance, if available; including increased coverage and/or limits, and the Client will pay CEI an agreed amount for the increased coverage.

LIMITATION OF LIABILITY

The Client hereby agrees that, to the fullest extent permitted by law, CEI's total liability to Client for any and all injuries, claims, losses, expenses, or damages whatsoever arising including but not limited to CEI's negligence, errors, omissions, strict liability, breach of contract, or breach of warranty shall not exceed the total sum paid on behalf of or to CEI by CEI's insurance policies applicable thereto and CEI's deductible amounts (excluding fees, costs & expenses of investigation, claim adjustment, defense, and appeal)

Any service deleted from this offer by the client will become the responsibility of the client. If this proposal was written without the benefit of an on-site investigation, changes in the scope may be necessary. CEI shall be held harmless in the event that any unseen condition adversely affects the design or intended use of the property in any way.

INDEMNIFICATION

The Client will indemnify, hold harmless and defend CEI, its officers, directors, employee, agents, consultants, and subconsultants from and against any and all liabilities, damages, or expenses, including without limitations any and all legal costs and expenses; whatsoever in connection with any personal injury or property damage arising out of or in any way connected with the negligence, reckless, or intentional acts or omissions by Client, its officers, directors, shareholders, agents, employees, consultants, and subcontractors, whether said acts or omissions and negligent reckless intentional or unintentional.

Further, the Client shall, to the fullest extent of the law, indemnify, defend and hold harmless CEI, its directors, officers, employees, agents and subcontractors from and against all claims or action, based on, or arising out of, damages or injuries to persons or property caused by, or arising out of, any hazardous, and/or toxic substances present at the site where CEI and/or its subcontractors have performed work.

This Indemnification provision does not waive the City's Immunity per Arkansas law.

In accordance with generally accepted construction practices, the client and client's contractors shall be solely and completely responsible for the conditions of the job site, including the health and safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours. Any construction observation by the engineer of the contractor's performance is not intended to include review of the adequacy of the contractor's safety measures, in, on, or near the construction site.

DISPUTE RESOLUTION

Client and CEI agree to attempt to settle all claims, disputes or controversies arising out of, or in relation to the interpretation, application or enforcement of this Agreement by direct discussions; however, absent resolution by direct discussions, they agree to attempt to settle disputes by formal mediation according to the Construction Industry Mediation Rules of the American Arbitration Association. Absent resolution by mediation they agree to binding arbitration under the Rules of the American Arbitration Association.

Revised 2014

SEVERABILITY

Any element of this Agreement later held to violate a law or regulation shall be deemed void, and all remaining provisions shall continue in force. However, the Client and CEI will in good faith attempt to replace an invalid or unenforceable provision with one that is valid and enforceable, and which comes as close as possible to expressing or achieving the intent of the original provision.

PROJECT PUBLICITY AND RECOGNITION

During development construction, or upon completion of the project, CEI's name will be included on any public recognition / project identification display indicating design team, owners, and / or financiers. CEI shall be allowed to place or hang a temporary banner on the site during construction of the project.

LIEN RIGHTS

Client agrees that CEI shall have a lien upon real property constituting the project site for all unpaid sums due pursuant to this agreement or any addendum hereto, and that CEI is authorized to perfect a lien, enforce the lien, and foreclose the lien in the manner prescribed under local statutes for the perfection, enforcement and foreclosure of a mechanic and material man's lien upon real property.

All provisions under the heading "STANDARD TERMS AND CONDITIONS" shall survive termination or completion of this agreement.

AMENDMENTS

The duties, responsibilities, and limitation of authority of the Client or CEI shall not be made or extended without a written, executed agreement between CEI engineering Associates, Inc and the Client.

SUCCESSORS AND ASSIGNS

CEI Engineering Associates, Inc and the Client each bind themselves, their associates, directors, partners, successors, executors, administrators and assigns to the other party to this Agreement and to the associates, directors, partners, successors, executors and administrators and assigns to such other party, with the respect to all obligations contained in this Agreement. CEI Engineering Associates, Inc. may assign its rights and obligations under this Agreement at any time without the consent of the Client. However, the Client shall not assign its obligations under this Agreement or sublet as a whole, without the prior written approval by CEI Engineering Associates, Inc.'s of the successor or assignee and its ability to comply with the terms and conditions of this and/or subsequent written Agreement. All assignments made by Client without CEI Engineering Associates, Inc.'s consent shall be considered null and void.

TERMINATION

Either Party may terminate this Agreement in full or in part, in writing, if the other Party fails to fulfill its obligations under the Agreement through no fault of the other Party. In such event, one may declare the other in default by issuing a written Declaration of Default and terminate the Agreement for cause. Prior to, an opportunity to cure any default or breach shall be given by way of a written notice being delivered to the Breaching Party including a description of the conditions constituting default or breach of the Agreement and providing the Breaching Party a period of time of ten (10) days within which to correct such conditions. If defined default or breach is not corrected within allotted number of days, then the written Declaration of Default may be issued. Upon any termination or suspension of an Agreement, CEI Engineering Associates, Inc. shall be paid for all work performed up to the date of termination or suspension.

PROVIDED DATA

Any information or data provided by Owner or Owner's representatives or by a third party as directed by Owner or Owner's representative to CEI to be used as base or supplemental information or data to the scope shall be considered reliable and CEI shall be held harmless to any errors or omission due to its use.

SITE SAFETY OR CONTROL

In no form or fashion shall it be implied or assumed, unless expressly written into scope, that CEI has or will be responsible for an Owner's or Contractor's control of the site nor will CEI

Revised 2014

dictate the means and methods of the Owner, Contractor and Contractor's subcontracts regarding preparation of, conducting, and the completion and closeout of construction, safety, and control of site.

All provisions under the heading "STANDARD TERMS AND CONDITIONS" shall survive termination or completion of this agreement.

VIII. APPROVAL SIGNATURE AND AUTHORIZATION TO PROCEED: Execution of this document in all required locations shall form the entire Professional Services Agreement between the Client and CEI. Two copies of this Proposal and Agreement shall be signed by the Client and one copy shall be returned to CEI.

In the event that the Client issues a notice to proceed to CEI prior to the execution of this contract, the Client acknowledges that the services rendered by CEI will be in accordance with the terms and conditions contained in this proposal.

In the event that the client instructs services on the contract/agreement to be on hold for a period greater than forty-five days, client acknowledges that CEI will not proceed until a new contract between CEI and the client can be executed.

This proposal shall become null and void if signatures have not been obtained within forty-five days of proposal date. If authorization to proceed is not given after the proposal has been executed said agreement will become null and void within forty-five days of the date of the Client's signature.

The following is the complete client name and address that is responsible for payment of CEI invoices:

City of Bentonville

Complete Client Name – Responsible for payment of invoice (include Inc., LLC, etc.)

305 SW A Street

Complete mailing address to mail invoice (Street / PO Box/ Suite number if needed)

Bentonville, AR 72712

City / State / Zip Code to mail invoice

(479) 271-3166

Complete Phone Number

Signature, Client	Bob McCaslin	Mayor	
	Print Name	Title	Date
	Jim Beavers	Department Leader	02-10-2014
Signature, CEI Engineering Associates, Inc.	Print Name	Title	Date

CITY OF BENTONVILLE, ARKANSAS			
Walton Blvd Multi-use Trail S W"l" to 14th , 10 ft. trail west of Walton In AHTD row			
Fed FY 2014 Job No. 98 Funding: Design City. Construction: City, Federal TAP, Private			
CEI Engineering Associates Inc. 02-10-2014			
Estimated (pre-design) Plan Set Summary			
SHEET NO.	TITLE		DRWG. NO.
1	TITLE SHEET		
2	INDEX OF SHEETS AND GOVERNING SPECIFICATIONS		
3	GENERAL NOTES		
4	TYPICAL SECTIONS OF IMPROVEMENT		
5,6	SPECIAL DETAILS		
7-9	TEMPORARY EROSION CONTROL DETAILS		
10-12	MAINTENANCE OF TRAFFIC DETAILS		
13	PERMANENT TRAIL PAVEMENT MARKING DETAILS		
14-15	QUANTITY SHEETS		
16	SUMMARY OF QUANTITIES AND REVISIONS		
17	SURVEY CONTROL DATA SHEETS		
18-35	PLAN AND PROFILE SHEETS at 1"=20 ft. (reduce to 8 sheets +/- at 1"=50 ft)		
36-41	INTERSECTIONS		
42-44	DRIVEWAYS		
45-46	Amenities		
	CITY and/or AHTD STANDARD DETAILS (Most current version will be verified and used)		
47	CONCRETE DITCH PAVING		CPD-1
48	CURBING DETAILS		GC-1
49	DETAILS OF DRIVEWAYS & ISLANDS		DR-1
50	FLARED END SECTION		FES-1,2
51	DETAILS OF DROP INLETS & JUNCTION BOXES		FPC-9
52	DETAILS OF DROP INLETS (TYPE C)		FPC-9E
53	DETAILS OF DROP INLETS TYPE (MO)		FPC-9M
54	DETAILS OF DROP INLETS & JUNCTION BOXE (TYPE ST)		FPC-9S
55	CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING		PCC-1
56	PAVEMENT MARKING DETAILS		PM-1
57	DETAILS OF PIPE UNDERDRAIN		PU-1
58	DETILS OF SPECIAL ITEMS		SI-1
59	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION		TC-1,2,3
60	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION-TEMPORARY PRECAST BARRIER		TC-4,5
61	TEMPORARY EROSION CONTROL DEVICES		TEC-1,2,3
62	WIRE FENCE WATER GAPS		WF-2
63	CHAIN LINK FENCE		WF-3
64	WIRE FENCE TYPE C AND D		WR-4
65	WHEELCHAIR RAMPS NEW CONSTRUCTION AND ALTERATIONS		WR-1
66	WHEELCHAIR RAMPS ALTERATIONS ONLY		
67-65	CROSS SECTIONS AND/OR DRIVEWAY SUPPLEMENTAL PROFILES		

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE MAYOR AND CLERK TO ENTER INTO AN AGREEMENT WITH CEI ENGINEERING ASSOCIATES, INC. FOR ENGINEERING SERVICES ASSOCIATED WITH MULTI-USE TRAILS ON THE WEST SIDE OF WALTON BOULEVARD.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL FOR THE CITY OF BENTONVILLE, ARKANSAS.

Section 1: That the Mayor and Clerk be and are hereby authorized to enter into an Agreement with CEI Engineering Associates, Inc. for engineering services associated with the survey and design of 10' multi-use trails on the West side of Walton Boulevard as set forth in the agreement attached hereto as Exhibit "A".

Section 2: This resolution shall be in full force and effect from and after the date of its passage.

PASSED and APPROVED this _____ day of _____, 2014.

APPROVED:

MAYOR

ATTEST:

CITY CLERK



CHECK ALL THAT APPLY		
	Bid Award	Bid #
x	Budget Adjustment	
	Change Order	
	Informational	
	Ordinance	
	Resolution	
	Other	

AGENDA FORM

CITY COUNCIL MEETING OF:

February 25, 2014

Submitted by: Ben Peters

Department: Engineering

Phone: (479) 271-5993

ACTION REQUIRED:

City Council to approve a budget adjustment of \$71,367.50 to be used in the survey and design of a 10' multi-use walking trail on the west side of North Walton Boulevard, from approximately S.W. "I" Street (by the water tanks) to NW 14th Street (by Tiger Stop).

COST TO CITY:

Cost of this Request: \$71,367.50

Additional Budget Amount: \$0

☒ One time amount

☐ Continuing O and M

Previously Budgeted	\$ -
Funds Expended to Date	-
Remaining Budget	-
Budget Adjustment	71,367.50
Remaining After Adjustment	\$ 71,367.50

Department Head: [Signature] Date: 2-18-14

Purchasing Agent: _____ Date: _____

Finance Director: [Signature] Date: 2/20/14

Staff Attorney: CT Date: 2/20/14
Mayor: [Signature] Date: 2/20/14

This form must be turned into the Mayor's office 7 days prior to the scheduled City Council meeting.

117 WEST CENTRAL AVENUE * BENTONVILLE, AR 72712
www.bentonvillear.com



PLEASE RECYCLE





BUDGET ADJUSTMENT REQUEST FORM

Budget Adjustment #
(Assigned by Admin)

Department: Engineering

Date of Request: February 20, 2014

Acct Number	Account Name	Revenue + (-)	Expense + (-)	Fund Balance + (-)
10-1630-463.73-90	Improvements other than building/other		\$71,367.50	\$ (71,367.50)
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
	Totals	\$ -	\$ 71,367.50	\$ (71,367.50)

Justification:

Re-allocation of funds from the General Fund to Engineering (as described above) in the amount of \$71,367.50. This is to correspond with the Budget Adjustment Request for survey and design of the 10' trail on North Walton BLVD.

FOR ACTING USE ONLY

Council Action: Approved Disapproved Other _____

Date: Date entered: By: _____

Revised 5/1/07

117 WEST CENTRAL AVENUE * BENTONVILLE, AR 72712

www.bentonvillear.com

PLEASE RECYCLE





DESIGNING THE FUTURE

Memorandum

To: Mayor and City Council
From: Ben Peters, City Engineer 
Date: 2/18/2014
Re: Survey and Design of Multi-use Trail on North Walton

In pursuit of willingness to participate with Federal Funding, Staff is seeking approval of a budget adjustment and a resolution for the survey and design of a multi-use trail on the west side of North Walton Boulevard. This 10' concrete trail will start at approximately SW "I" Street, next to the City of Bentonville Water Tanks, and continue north to NW 14th Street, ending around the "Tiger Stop". The City of Bentonville proposes to use a combination of funding, including City of Bentonville and Federal Transportation Alternatives Program (TAP) funding for construction.

Staff has negotiated a contract with CEI Engineering Associates, Inc. for the survey and design of this project. The total contract amount is \$71,367.50.

Staff recommends approval of the contract as written.

Please contact me with any questions or concerns regarding the proposed contract or the project as a whole. My direct telephone number is (479) 271-5993 or I can be reached via email at bpeters@bentonvillear.com.



CHECK ALL THAT APPLY	
Bid Award	Bid #
Budget Adjustment	
Change Order	
Informational	
Ordinance	
Resolution	
Other	

AGENDA FORM

CITY COUNCIL MEETING OF:

February 25, 2014

Submitted by: Lance Blasi

Department

Building Inspection

Phone

479-271-3125

ACTION REQUIRED:

Adopt the 2011 National Electric Code.

COST TO CITY:

Cost of this Request: \$0

Additional Budget Amount: \$0

☒ One time amount

☐ Continuing O and M

Previously Budgeted	\$ -
Funds Expended to Date	-
Remaining Budget	-
Budget Adjustment	-
Remaining After Adjustment	\$ -

Department Head LBP Date 2/20/14

Purchasing Agent PN Date 2/20/14

Finance Director PN Date 2/20/14

Staff Attorney CT Date 2/20/14

Mayor BAM Date 2/20/14

This form must be turned into the Mayor's office 7 days prior to the scheduled City Council meeting.

117 WEST CENTRAL AVENUE * BENTONVILLE, AR 72712
www.bentonvillear.com



PLEASE RECYCLE



Memo

To: Bentonville City Council
From: Lance Blasi
Date: 1/3/2014
Re: Adoption of 2011 National Electric Code

As a matter of policy, the City of Bentonville typically adopts the latest editions of all building codes.

Recently the State of Arkansas adopted revisions to the National Electric Code (2011 NEC). Additionally, the building inspection department worked with the electric department to revise our local amendments to this same code (included in ordinance).

We respectfully request city council to review and adopt these code changes so that we are able to enforce the 2011 National Electric Code and the local amendments.

Please contact my office if you have any questions or want to discuss in more detail.

Respectfully,

A black rectangular box redacting the signature of Lance Blasi.

Lance Blasi,
Chief Building Inspector
479-271-3125

PUBLIC NOTICE
CITY OF BENTONVILLE

The Bentonville City Council will duly meet to discuss a proposed ordinance to adopt the 2011 National Electric Code and local amendments. All electrical installations would be required to conform to the 2011 National Electric Code, or latest edition.

The regular City Council meeting will be held Tuesday, February 25th, 2014 in the Council Chambers located at 305 SW A Street, Bentonville, Arkansas, beginning at 6:00 p.m. All interested parties wishing to be heard on this matter are urged and notified to attend.

Three copies of the proposed code books are available for viewing at the City Clerk's Office located on the 3rd floor at 117 West Central Ave from 8:00 a.m. to 4:30 p.m. For more information contact the Building Inspection office at 479-271-3125.

Lance Blasi
Chief Building Inspector

ORDINANCE NO. _____

**AN ORDINANCE ADOPTING THE 2011 NATIONAL ELECTRIC CODE,
OR LATEST EDITION, AND LOCAL AMENDMENTS**

WHEREAS, all electric installations shall conform to the 2011 National Electric Code, or latest edition; and,

WHEREAS, cities may add regulations in addition to the regulations of the latest edition of the National Electric Code;

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF BENTONVILLE, ARKANSAS:

Section 1. That all electrical installations shall conform to the 2011 National Electric Code, or latest edition, three copies of which are on file with the City Clerk and which is hereby adopted by reference as though it were copied herein fully, and any local amendments adopted by the City of Bentonville.

Section 2. That the City of Bentonville hereby adopts the following local amendments to the 2011 National Electric Code, or the latest edition:

1. All newly constructed structures within the City Limits of Bentonville, AR shall have an exterior means of electrical disconnect.
2. The installing electrician shall provide a meter loop.
3. Any person doing electrical work in the City of Bentonville will be required to have or obtain an Arkansas State Masters Electrical License or be employed by a holder of such license.
4. All type NM-B Cable shall be properly supported and shall enter the outlet or lighting box no more than 2 cables per opening of such box and shall be secured by plastic or nylon staples, located 12 inches from the box and every 4 ½ feet thereafter. No metal staples allowed.
5. EMT shall be properly supported by approved straps at no more than 18 inches from the box and every 5 feet there after.
6. EMT or metal boxes shall not be substituted for a grounded conductor. A ground wire shall be required for each circuit.
7. All permanent outside receptacles shall be GFCI protected.
8. In kitchens, refrigerators shall be on a circuit by itself. This circuit shall have no other openings.
9. All persons desiring new temporary electric service shall contact the Bentonville Electric Department or the Building Inspection Department to determine the location of the electrical service **before** the installation.
10. No electrical work is to be covered without first being inspected and approved by the Building Inspection Department.

11. All underground secondary electric lines shall be a minimum of 24 inches deep from the City connection to the structure, which it serves. No direct burial cable is allowed.
12. All underground electric lines shall be in conduit and in a ditch by itself. No other utility is permitted in the same ditch with the underground electric.
13. #14 NMB shall not be used in residential applications.
14. Any single-phase account taken or served from a 120-208 3-phase bank will require a (5) five-socket meter base.
15. Electrical secondary conduit sizing: 200 amp, 3". Anything over 200 amp, 4". 2" conduit shall not be used.
16. Where possible, all risers shall extend through the roof. The Building Inspector or the City Electric Department shall determine this.
17. All interior metal piping shall be bonded.
18. All residential structures shall have at least one (1) carbon monoxide detector per level, hard-wired with battery back-up. Also, every sleeping room containing a gas appliance shall have a carbon monoxide detector.
19. Electric services shall be grounded by two (2) ground rods driven a minimum of six (6) feet apart.
20. Electric service ground wire shall be protected by PVC conduit. PVC grounding conduit shall be run into meter base.
21. Sheetrock to be installed before permanent electric service is connected.
22. Permanent power requires at least two (2) dedicated circuits in main panel (refrigerator, washing machine, furnace).
23. Pool grounding requires #8 solid bare copper ground wire.
24. No back-feeding house panels from temporary services.
25. Dedicated circuits in residential garages serving appliances shall have a single pole receptacle for each appliance. Duplex receptacles shall not be used in this application.

Section 3. This Ordinance shall be in full force and effect 30 days from the date of its passage and approval.

PASSED and APPROVED this ____ day of _____, 2014.

APPROVED:

Mayor Bob McCaslin

ATTEST:

City Clerk



CHECK ALL THAT APPLY		
Bid Award	Bid #	
Budget Adjustment		
Change Order		
Informational		
Ordinance		
Resolution		
Other		

AGENDA FORM

CITY COUNCIL MEETING OF:

February 25, 2014

Submitted by: Lance Blasi

Department: Building Inspection

Phone: 479-271-3125

ACTION REQUIRED:

Adopt the 2012 Arkansas Fire Prevention Code, which includes, the 2012 International Fire Code, 2012 International Residential Code and the 2012 International Building Code.

COST TO CITY:

Cost of this Request: \$0

Additional Budget Amount: \$0

☒ One time amount

☐ Continuing O and M

Previously Budgeted	\$	-
Funds Expended to Date		-
Remaining Budget		-
Budget Adjustment		-
Remaining After Adjustment	\$	-

Department Head

Date

Purchasing Agent

Date

Finance Director

Date

Staff Attorney

Date

Mayor

Date

This form must be turned into the Mayor's office 7 days prior to the scheduled City Council meeting.

117 WEST CENTRAL AVENUE * BENTONVILLE, AR 72712
www.bentonvillear.com



PLEASE RECYCLE



Memo

To: Bentonville City Council
From: Lance Blasi
Date: 1/3/2014
Re: Adoption of 2012 Arkansas Fire Prevention Code

As a matter of policy, the City of Bentonville typically adopts the latest editions of all building codes.

Recently the State of Arkansas adopted 2012 Arkansas Fire Prevention Code, which includes the 2012 International Fire Code, 2012 International Residential Code and the 2012 International Building Code.

We respectfully request city council to review and adopt these code changes so that we are able to enforce the 2012 Arkansas Fire Prevention Code.

Please contact my office if you have any questions or want to discuss in more detail.

Respectfully,



Lance Blasi,
Chief Building Inspector
479-271-3125

PUBLIC NOTICE
CITY OF BENTONVILLE

The Bentonville City Council will duly meet to discuss a proposed ordinance to adopt the 2012 Arkansas Fire Prevention Code. All building installations would be required to conform to the 2012 Fire Prevention Code, or latest edition.

The regular City Council meeting will be held Tuesday, February 25th, 2014 in the Council Chambers located at 305 SW A Street, Bentonville, Arkansas, beginning at 6:00 p.m. All interested parties wishing to be heard on this matter are urged and notified to attend.

Three copies of the proposed code books are available for viewing at the City Clerk's Office located on the 3rd floor at 117 West Central Ave from 8:00 a.m. to 4:30 p.m. For more information contact the Building Inspection office at 479-271-3125.

Lance Blasi
Chief Building Inspector

ORDINANCE NO. _____

**AN ORDINANCE ADOPTING THE
2012 ARKANSAS STATE FIRE PREVENTION CODE, OR LATEST EDITION,
AND THE CITY OF BENTONVILLE LOCAL AMENDMENTS**

**NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY
OF BENTONVILLE, ARKANSAS:**

Section 1. That the following code, three copies of which are on file with the City Clerk, are hereby adopted by reference as though they were copied herein fully:

2012 Arkansas State Fire Prevention Code and
City of Bentonville Local Amendments

Section 2. That any matters in said codes which are contrary to existing ordinances of the City of Bentonville, Arkansas shall prevail, and that any ordinances or parts of ordinances in conflict herewith are hereby repealed.

Section 3. That within said codes, when reference is made to the duties of a certain official named therein, that designated official of the City of Bentonville who has duties corresponding to those of the named official in said code shall be deemed to be the responsible official insofar as enforcing the provisions of said code are concerned.

Section 4. This Ordinance shall be in full force and effect 30 days from the date of its passage and approval.

PASSED and APPROVED this _____ day of _____, 2014.

APPROVED:

Mayor Bob McCaslin

ATTEST:

City Clerk



CHECK ALL THAT APPLY		
	Bid Award	Bid #
	Budget Adjustment	
	Change Order	
	Informational	
	Ordinance	
X	Resolution	
	Other	

AGENDA FORM

CITY COUNCIL MEETING OF:

February 25, 2014

Submitted by: Mike Churchwell

Department: Transportation

Phone: 271-6840

ACTION REQUIRED:

Council approval of a resolution authorizing the Mayor and Clerk to enter into a supplemental agreement between the City of Bentonville and the Arkansas Highway and Transportation Department of the agreement approved by Council on May 24, 2011 relative to changes in the scope of work for the Hwy 102/62/1540 Interchange. This supplemental agreement will result in no additional cost to the City of Bentonville. See attached memo and agreement.

COST TO CITY:

Cost of this Request: N/A

Additional Budget Amount

☐ One time amount

☐ Continuing O and M

Previously Budgeted	\$
Funds Expended to Date	-
Remaining Budget	
Budget Adjustment	-
Remaining After Adjustment	\$ -

MC 2/10/2014
Department Head Date

Purchasing Agent Date

Finance Director 2/20/14 Date

CT 2/20/14
Staff Attorney Date

BAM 2/20/14
Mayor Date

This form must be turned into the Mayor's office 7 days prior to the scheduled City Council meeting.

117 WEST CENTRAL AVENUE * BENTONVILLE, AR 72712

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PLEASE RECYCLE



MEMORANDUM

Date: February 10, 2014

To: City Council, Mayor McCaslin

From: Mike Churchwell

RE: Supplemental Agrmt. Between City & AHTD on 102/62/I-540 Intchg.

This supplemental agreement is an amendment to the agreement between the City Of Bentonville and AHTD that was approved by the Council on May 24, 2011. This supplemental agreement allows the AHTD to move forward with changes to the scope of work on the interchange at no additional cost to the City. Staff supports approval of the supplement to the Agreement.

ARKANSAS STATE HIGHWAY COMMISSION

RECEIVED FEB 07 2014

JOHN ED REGENOLD
CHAIRMAN
ARMOREL

DICK TRAMMEL
VICE CHAIRMAN
ROGERS

THOMAS B. SCHUECK
LITTLE ROCK



P.O. Box 2261

LITTLE ROCK, ARKANSAS 72203-2261

PHONE (501) 569-2000 • VOICE/TTY 711 • FAX (501) 569-2400

WWW.ARKANSASHIGHWAYS.COM • WWW.IDRIVEARKANSAS.COM

ROBERT S. MOORE, JR.
ARKANSAS CITY

FRANK D. SCOTT, JR.
LITTLE ROCK

SCOTT E. BENNETT, P.E.
DIRECTOR OF
HIGHWAYS AND TRANSPORTATION

January 31, 2014

The Honorable Bob McCaslin
Mayor of Bentonville
117 West Central Ave.
Bentonville, AR 72712

Re: Job 090376
I-540/Hwy. 62/102 Intchnng. & 8th
Street Impvts. (Bentonville) (F)
Benton County


Dear Mayor McCaslin:

Reference is made to the Agreement of Understanding between the Department and the City for the project shown above.

According to the Supplemental Agreement dated April 14, 2011, the Department made available \$1,277,858 of 80 percent Federal-aid High Priority Project (HPP) funds and \$319,465 of State funds for the required 20 percent match to be used on interim improvements to the interchange of Interstate 540 with Highways 62 and 102. The Department would like to revise this proposal to also include long-term improvements. The construction cost of these additional improvements is estimated to be \$998,000 (see the purple and blue sections on the enclosed sketch). The Department will make available Federal-aid funds and State funds for the required match for all phases of these additional improvements.

This letter, when signed by you and returned to the Department, will constitute another supplement to the Agreement between the City and the Department.

ARKANSAS STATE HIGHWAY COMMISSION
Little Rock, Arkansas

The Honorable Bob McCaslin
January 31, 2014
Page Two

Please retain a copy of the signed letter for the City's files. Should you have any questions, please advise.

Sincerely,



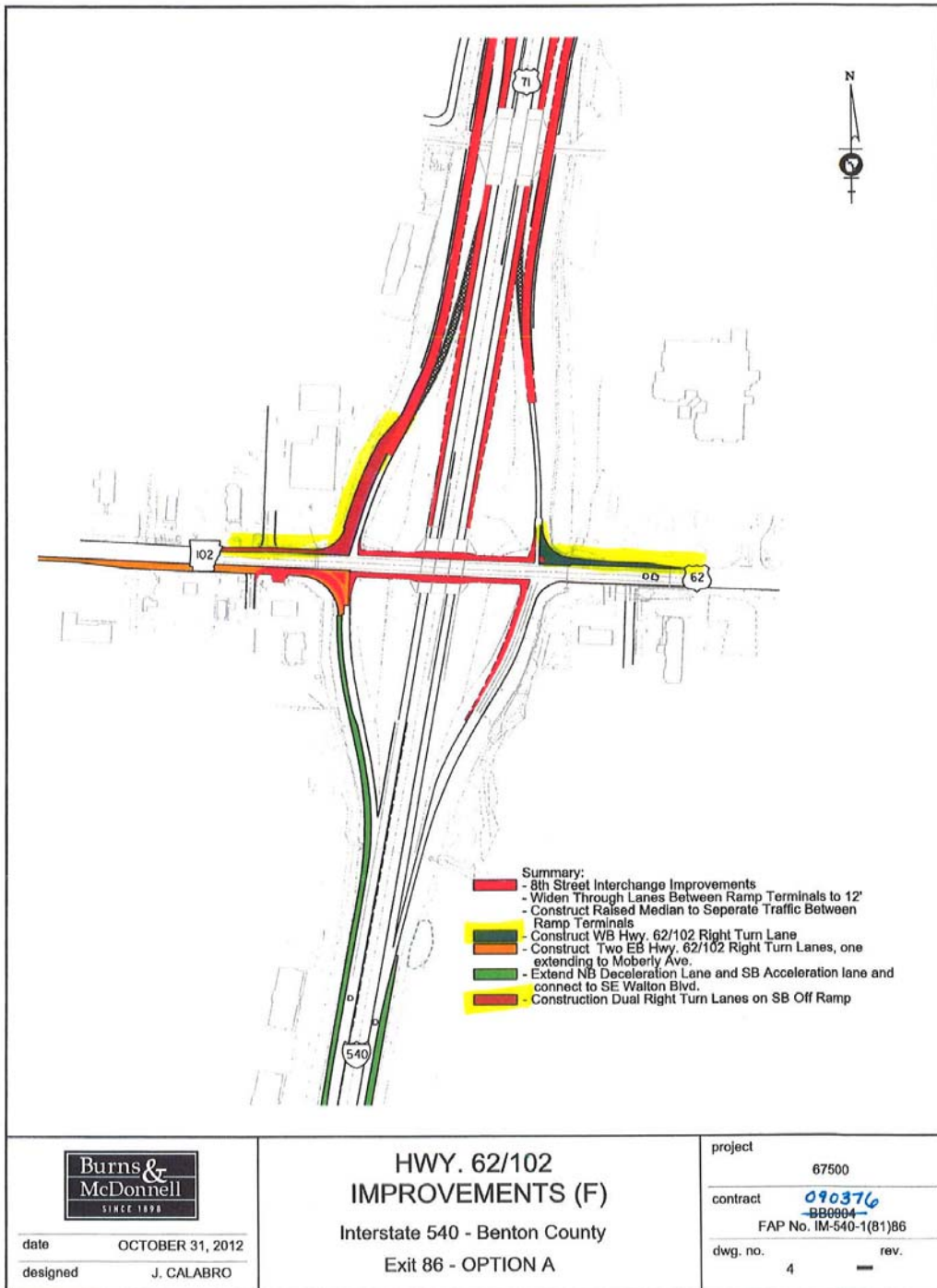
Scott E. Bennett
Director of Highways
and Transportation

APPROVED:

The Honorable Bob McCaslin
Mayor of Bentonville

Enclosure

c: Deputy Director and Chief Engineer
Assistant Chief Engineer–Planning
Assistant Chief Engineer–Design
Programs and Contracts
Roadway Design
Transportation Planning and Policy
District 9
Job 090218 'C' File
Job 090376 'C' File
✓Mike Churchwell, City of Bentonville



date OCTOBER 31, 2012
designed J. CALABRO

HWY. 62/102 IMPROVEMENTS (F) Interstate 540 - Benton County Exit 86 - OPTION A

project 67500
contract ~~BB0804~~ 090376
FAP No. IM-540-1(81)86
dwg. no. 4 rev.

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE MAYOR AND CLERK TO ENTER INTO AN AMENDMENT TO THE CONTRACT WITH THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT RELATED TO THE HIGHWAY 102 INTERCHANGE.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL FOR THE CITY OF BENTONVILLE, ARKANSAS.

Section 1: That the Mayor and Clerk be and are hereby authorized to enter into an amendment to the contract with the Arkansas Highway and Transportation Department related to the Highway 102/62/I-540 Interchange as set forth in the agreement attached hereto as Exhibit A.

Section 2: This resolution shall be in full force and effect from and after the date of its passage.

PASSED and APPROVED this _____ day of _____, 2014.

APPROVED:

MAYOR

ATTEST:

CITY CLERK



CHECK ALL THAT APPLY		
	Bid Award	Bid #
	Budget Adjustment	
	Change Order	
	Informational	
	Ordinance	
X	Resolution	
	Other	

AGENDA FORM

CITY COUNCIL MEETING OF:

February 25, 2014

Submitted by: Mike Churchwell

Department

Transportation

Phone

271-6840

ACTION REQUIRED:

Council approval of a resolution authorizing the Mayor and City Clerk to enter into a real estate contract with the Phillip Lee Trust for the purchase of property referenced as Lot 12 of the Hardcastle Estates (parcel number 01-05068-002), containing 9.54 acres plus/minus for the sum of \$1,900,000 plus buyer associated closing costs (estimated \$19,000). See attached memo, budget adjustment form, real estate contract, and aerial photo of referenced property.

COST TO CITY:

Cost of this Request: \$1.9 M + Closing Costs

Additional Budget Amount

☒ One time amount

☐ Continuing O and M

Previously Budgeted	\$	125,000
Funds Expended to Date		13,600
Remaining Budget		111,400
Budget Adjustment		1,807,600
Remaining After Adjustment	\$	1,919,000

MC 2/18/2014
Department Head Date

Purchasing Agent Date

FD 2/20/14
Finance Director Date

CT 2/20/14
Staff Attorney Date

Pam 2/20/14
Mayor Date

This form must be turned into the Mayor's office 7 days prior to the scheduled City Council meeting.

117 WEST CENTRAL AVENUE * BENTONVILLE, AR 72712

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PLEASE RECYCLE



BUDGET ADJUSTMENT REQUEST FORM

Budget Adjustment #
(Assigned by Admin)

Department: Street

Date of Request: February 18, 2014

Acct Number	Account Name	Revenue + (-)	Expense + (-)	Fund Balance + (-)
	Street Fund - Setasides	\$1,807,600.00	\$1,807,600	\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
	Totals	\$ 1,807,600.00	\$ 1,807,600.00	\$ -

Justification:

See attached accompanying memo

FOR ACTING USE ONLY

Council Action: **Approved** **Disapproved** Other _____

Date: _____ Date entered: _____ By: _____

Revised 5/1/07

117 WEST CENTRAL AVENUE * BENTONVILLE, AR 72712
www.bentonvillear.com

PLEASE RECYCLE



MEMORANDUM

Date: February 18, 2014

To: City Council, Mayor McCaslin

From: Mike Churchwell

RE: Lee Trust Real Estate Contract – Lot 12 of Hardcastle Estates

You will recall during discussions last year about the existing Municipal Facilities properties, the Council requested a Master Plan be provided for the future plans of the existing departments that now reside at those facilities. As a result of the Master Plan that was presented to Council, it was noted that the overall plan did not include the Street Department remaining in that location, that the Water/Sewer Department would ultimately take the space currently occupied by the Street Department to meet the long term needs of the Water/Sewer Department and that the Street Department would be looking to relocate its facility which is also needed to address future growth plans. As a result of that presentation we began actively pursuing property in a location that would fit the needs of existing conditions as well as allow for future growth of the Department.

The property being presented to you for consideration will fill those needs. The location is in an industrial area, will be more centrally located in the geographic center of the City with multiple directional accesses, and will allow for future growth. The infrastructure for the most part is in place, although we will have to extend sewer to the property as shown on Exhibit C of the contract documents. The seller will grant a general utility easement on Lot 10 and also be allowed to tie onto that line in the future per the agreement. The cost of the placement of the sewer line will be covered by the Sewer Department.

Note that the contract has contingency on satisfactory results of soil testing as well as Phase 1 Environmental Site Assessment. That testing should begin as soon as Council approves the contract and should be completed within 3 weeks of starting.

It would be our intention to begin site planning immediately, followed by facility design, with the intent of beginning construction by later this year or early next year. Those items would come before the Council for consideration as the timeline moved forward. Funding for these items would come from current set-a-sides.

OFFER AND ACCEPTANCE

PARTIES: The Lee Trust as "Seller", and The City of Bentonville, Arkansas, as "Buyer", hereby agree that the Seller shall sell and Buyer shall buy the following property upon the following terms and conditions:

1. DESCRIPTION

a) Legal description of real estate ("Property") located in Benton County, Arkansas:

Parcel Number 01-05068-002, Benton County, Arkansas, as more particularly described in the attached Exhibit "A."

b) Street address, if any, of the Property being conveyed is:

None

c) Personal property including all buildings and improvements on the property and all right, title and interest of Seller in and to adjacent streets, roads, alleys and rights-of-way, and:

None

2. PURCHASE PRICE \$ 1,900,000.00 cash on closing.

3. SURVEY & TITLE COMMITMENT; PERMITTED EXCEPTIONS.

Buyer shall obtain, at Buyer's sole expense, a preliminary title insurance commitment for the Property showing fee simple title in Seller, issued by the Escrow Agent in its capacity as a licensed agent for a nationally recognized title insurer acceptable to Buyer (the "Title Commitment"). At Closing, such insurer, at Buyer's sole expense, shall issue to Buyer an owner's title insurance policy in the amount of the Purchase Price (the "Title Policy"). The Title Commitment and the Owner's Title Policy shall be subject only to liens, encumbrances, exceptions or qualifications set forth in this Contract or otherwise acceptable to Buyer, and in the case of the Title Commitment, those items which shall be discharged by Seller at or before closing. Buyer shall have twenty (20) days from the date of receiving Title Commitment to examine it. If title is found defective, if Buyer has objections to the Survey (as defined below) or the issuer of the Title Commitment has not provided satisfactory assurances that the Title Requirements will be met, Buyer shall notify Seller in writing, within twenty (20) days from the date of receiving the Title Commitment specifying the objection(s) to the Title Commitment or Survey. If the objection(s), in Buyer's opinion, renders title unmarketable, uninsurable, or the objections affect Buyer's intended use of the Property, development of the Project, ability to obtain construction and permanent financing for the Project or contain terms Buyer deems unreasonable, Seller will have thirty (30) days from receipt of such notice within which to attempt to remove such objection(s) to the Title Commitment or Survey. Seller agrees that it shall use a diligent, good faith effort to correct any objection(s), provided, however, Seller shall not be required to spend an amount it deems unreasonable to correct any such

objections. If Seller is unsuccessful in removing such objection(s) within said time, Buyer shall have the option of (i) extending such time period, (ii) accepting the title as it then is, or (iii) rescinding this Contract and thereupon Buyer and Seller shall be released, as to one another, of all further obligations and all damages arising under this Contract.

Seller will deliver to Buyer a copy of any survey of the Property in Seller's possession. Buyer shall have the right to obtain a new or recertified survey of the Property (the "Survey") at Buyer's cost. Subject to approval of the Survey by Buyer, the legal description of the Property contained in the Survey will be the description of the Property used in the Deed.

4. **BUYER'S REQUIREMENTS:** Buyer shall undertake to remove the conditions to closing contained in this Contract including, but not limited to, those requirements set out in Exhibit B; provided, however, Buyer has the right to terminate this Contract for any reason or no reason so long as the right of termination is exercised in a timely manner. Seller agrees to cooperate fully with Buyer with respect to Buyer's efforts to obtain all relevant information pertaining to the Property and the permitted uses of it. In the event such conditions cannot reasonably be removed, satisfied, or met or if Buyer determines that the Property is not satisfactory for Buyer's contemplated real estate development on the Property (the "Project"), Buyer may terminate this Contract. In all cases, Buyer's sole opinion and judgment shall determine whether Buyer's requirements have been satisfied or met. In the event Buyer does not notify Seller in the manner set forth in paragraph 12(a) of the failure of a condition or Buyer's decision to terminate within ninety (90) days of the Council Approval Date (the "Buyer's Inspection Period" or the "Inspection Period"), all of Buyer's conditions shall be deemed satisfied

5. **ENVIRONMENTAL WARRANTIES:** Seller represents and warrants that to its actual knowledge, information, and belief, no unlawful toxic substances, hazardous substances, or hazardous waste materials regulated under any applicable federal, state, or local laws have been produced, used, stored, or disposed upon the Property in violation of applicable laws and regulations or that the Property contains or encompasses any wetlands as that term is defined under the Clean Water Act. Seller shall provide Buyer within the timeframe set forth in Paragraph 7 with copies of all environmental assessments, reports, or studies prepared for Seller's use or benefit. In addition, Buyer has permission to commission its own Phase I Environmental Site Assessment (the "ESA") of the Property, the scope of which will be determined by Buyer. If the ESA indicates that the Property presents matters that require remediation, Buyer shall notify Seller under the terms and conditions in Paragraph VI.

6. **OPTION TO MITIGATE:** If the ESA indicates that the Property presents any matters that require remediation, Buyer shall first advise Seller in writing ("**Buyer's Notice**") of those items identified in the ESA of which Buyer requires remediation, and allow Seller its Option to Mitigate hereunder prior to Buyer being able to exercise any right to terminate this Contract. Within ten (10) days of receipt of Buyer's Notice, Seller shall advise Buyer in writing ("**Seller's Response**") whether or not it shall remedy some or all of the items specified in Buyer's Notice. Seller shall have up to one hundred twenty (120) days to remedy those items, if it so chooses, at its sole cost and expense, during which time this Contract shall remain in effect. At the end of the

earlier of one hundred twenty (120) days or upon Seller's written notification to Buyer that it has completed the remediation, Buyer shall have twenty (20) days to either satisfy itself that the items in Buyer's Notice have been remedied or to advise Seller that it is terminating this Contract. If Seller's Response advises Buyer that it will not correct some or all of the items specified in Buyer's Notice then Buyer, within ten (10) days after receipt of Seller's Response, shall advise Seller in writing that it shall (i) accept such items "AS IS" and/or correct them itself after the Closing, all without reduction in the Purchase Price, or (ii) elect to terminate this Contract.

7. SELLER DOCUMENTS: Seller agrees to deliver to Buyer within ten (10) days of the Effective Date copies of the following: all title insurance policies and surveys; all plats, covenants, deeds, easements, development plans, construction plans, if any; any market studies; and environmental reports, studies or assessments relating to the Property (collectively, the "Seller Documents"). Buyer shall return all Seller Documents if the Closing does not occur and shall keep the Seller Documents confidential to the best of its ability.

8. SELLER'S REPRESENTATION AND WARRANTIES: Seller represents and warrants as to following matters:

(a) there is no action, suit, or proceeding pending, or to Seller's actual knowledge and belief, threatened or contemplated against or affecting, either directly or indirectly, the Property; and

(b) the Property is not located within any wetlands area as determined under the Clean Water Act and applicable FEMA maps and there is no application currently pending regarding the same.

9. RISK OF LOSS: All risk of loss to the Property shall remain with Seller prior to Closing. If any improvements on the Property are damaged prior to Closing and Seller is either unable or unwilling to restore the Property to the condition it was as of the Effective Date, at Buyer's sole option, Buyer may (i) elect to terminate this Contract or (ii) elect to take the Property as it then is, together with any insurance proceeds payable by virtue of such loss or damage. If Buyer elects to terminate this Contract, Buyer and Seller shall be released, as to one another, of all obligations and liabilities under this Contract.

10. REPAIR AND MAINTENANCE: Between the Effective Date and the date of Closing, Seller shall maintain the Property in substantially the same condition the Property was in on the Effective Date. Further, Seller agrees not to enter into, extend, or renew beyond closing any agreement covering any portion of the Property (or real property contiguous to the Property) or which might change the status, condition, or commercial marketability of the Property without the prior written approval of Buyer.

11. PROVISIONS WITH RESPECT TO CLOSING.

a) Closing Date. The consummation of the transaction contemplated by this Agreement ("Closing") shall take place at such place as designated by Seller on or before May 30, 2014, or at such earlier date as agreed mutually, unless extended by other provisions hereof.

b) Seller's Obligation at Closing. At Closing, Seller shall furnish good and marketable title at closing and execute, acknowledge, and deliver to Buyer a Warranty Deed conveying the Property to Buyer subject to:

- (i) taxes and assessments for year of closing and subsequent years;
- (ii) restrictions, easements and zoning ordinances of record, if any;
- (iii) public utility easements of record, if any.

Additionally, Seller shall grant a 20' general utility easement across Lot 10 of Hardcastle Estates as shown on the attached Exhibit "C". Seller will be allowed to tie on to sewer and/or other utilities installed in said easement pursuant to the terms and conditions set forth in Bentonville ordinances and requirements.

c) Buyer's Obligations at Closing. Subject to the terms, conditions and provisions hereof, and concurrently with the performance by Seller of its obligations set forth in Section IV b) above, Buyer shall deliver to Seller cashier's check or other immediate local funds in the amount set forth in Section II of this Agreement.

d) Closing Costs.

Buyer and Seller shall equally share all costs and expenses in connection with the Closing, including the following:

- (i) Documentary stamps which are required to be affixed to the Warranty Deed;
- (ii) The intangible tax required by law on the mortgage.
- (iii) All recording costs, including recording of the deed, mortgage, and any documents required in connection with the title insurance commitment.
- (iv) The premium payable for the title commitment and title policy issued pursuant thereto, if any.
- (v) Survey work.

e) Proration of Taxes. Taxes for the year of the Closing shall be prorated to the date of Closing. If the Closing shall occur before the tax rate is fixed for the then current year, the apportionment of taxes shall be upon the basis of the tax rate of the preceding year applied to the latest assessed valuation.

12. OTHER CONTRACTUAL PROVISIONS.

a) Notices. Any notice to be given or to be served upon any party hereto, in connection with this Agreement, must be in writing, and may be given by certified mail and shall be deemed to have been given and received when a certified letter containing such notice, properly addressed, with

postage prepaid, is deposited in the United States Mail; and if given otherwise than by certified mail, it shall be deemed to have been given when delivered to and received by the party to whom it is addressed. Such notices shall be given to the parties hereto at the addresses stated above. Any party hereto may, at any time by giving five (5) days' written notice to the other party hereto, designate any other address in substitution of the foregoing address to which such notice shall be given and other parties to whom copies of all notices hereunder shall be sent.

b) Assignability. The Buyer is prohibited from assigning all or any part of this Agreement.

c) Entire Agreement; Modification. This Agreement embodies and constitutes the entire understanding between the parties with respect to the transaction contemplated herein. All prior or contemporaneous agreements, understandings, representations, and statements, oral or written, are merged into this Agreement. Neither this Agreement nor any provision hereof may be waived, modified, amended, discharged, or terminated except by an instrument in writing signed by the party against which the enforcement of such waiver, modification, amendment, discharge or termination is sought, and then only to the extent set forth in such instrument.

d) Applicable Law. This Agreement shall be governed by, and construed in accordance with, the laws of the State of Arkansas.

e) Headings. Descriptive headings are for convenience and shall not control or affect the meaning or construction of any provision of this Agreement.

f) Binding Effect. This Agreement shall be binding upon and shall inure to the benefit of the parties hereto and their successors and assigns.

g) Counterparts. This Agreement may be executed in several counterparts, each constituting a duplicate original, but all such counterparts constituting one and the same Agreement.

h) Interpretation. Whenever the context hereof shall require, the singular shall include the plural, the male gender shall include the female gender and the neuter, and vice versa.

i) Severability. In case any one or more of the provisions contained in this Agreement shall for any reason be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provision hereof, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

j) Section 1031 Exchange. Upon request by Seller, Buyer shall cooperate with Seller in order to effectuate the goal of Seller to have this transaction qualify for a tax deferred treatment under Section 1031 of the Internal Revenue Code of 1986, as amended, provided that Buyer is put to no additional expense, in this regard, and that the closing is not materially delayed. Formal provisions detailing the exchange shall be entered into by the parties and made a part of the final contract of exchange, no later than as such time as Buyer shall acknowledge satisfaction of the contingencies to its obligation to close this transaction.

k) Time for Acceptance & Effective Date. If this offer is not executed by both parties hereto on or before February 28, 2014, this offer shall thereafter be null and void. The date of the Agreement ("Effective Date") shall be the date when the last one of the Seller and Buyer has signed this offer.

l) City Council Approval. This offer is conditioned upon the City of Bentonville receiving Approval from the Bentonville City Council to purchase this property.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement.

Witnesses: "Buyer" (The City of Bentonville, Arkansas) by:

Attest:

Mayor Bob McCaslin

City Clerk

Date: _____

"Seller" (Lee Trust) by:

Date: _____

2/14/14

EXHIBIT A

Parcel Number 01-05068-002, Tract 12, 9.54 Acres

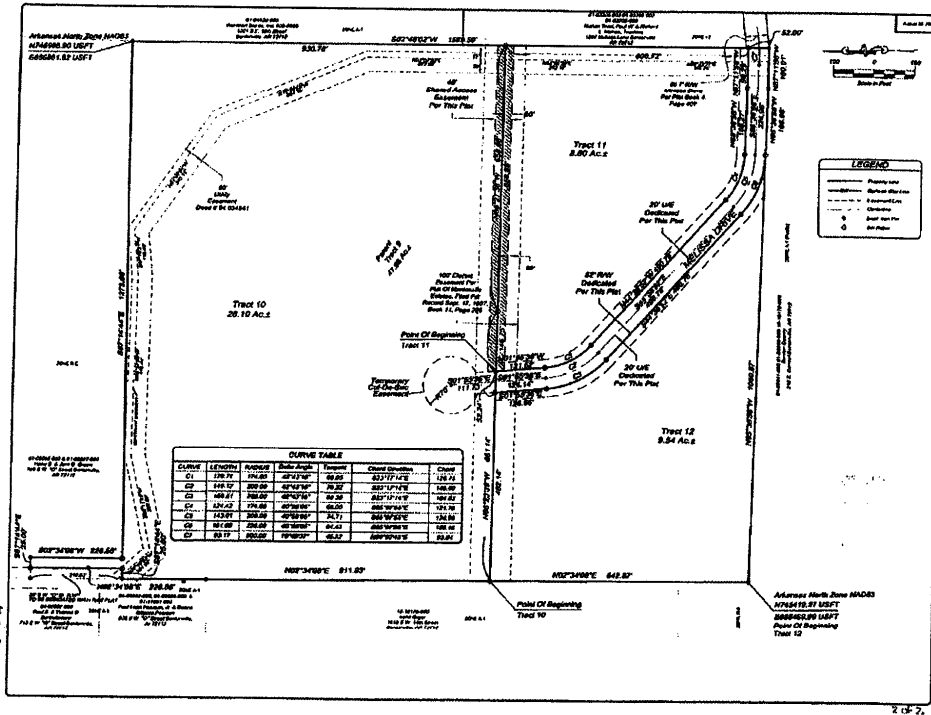


EXHIBIT B

Buyer's Inspection Period

The transaction contemplated herein is conditioned upon Buyer determining, at its sole cost, the items set forth herein within Buyer's Inspection Period, except as otherwise provided or extended. Any item not objected to in writing within Buyer's Inspection Period or the extension thereto, or the period provided for herein, shall be deemed satisfied. In the event Buyer terminates this Contract because of the failure of any condition herein, subject to Seller's Option to Mitigate, Buyer and Seller shall be released, as to one another, of all further obligations and liabilities under this Contract.

(a) Buyer's determination that it can obtain all necessary governmental approvals for its intended use of the Property including satisfaction of Buyer's density requirements for the Project.

(b) Buyer's determination that the Property has full, free, and adequate ingress and egress from public highways and roads. Seller hereby warrants that it has no knowledge of any fact or condition, which would result in the termination of any existing access.

(c) Buyer's reasonable determination that all utilities necessary for Buyer's intended use are available to the Property or will be constructed and extended to a boundary line of the Property prior to the expiration of Buyer's Inspection Period.

(d) Buyer's determination that it will be able to obtain funding approval from the City Council.

(e) Buyer's determination, through the use of engineering, environmental and related tests, percolation tests, geotechnical studies and soil boring, (the "Site Investigation") that the Property is satisfactory for Buyer's use and that no portion of the Property lies within any wetlands area or within a floodway or flood zone. Seller hereby grants to Buyer the right to enter the Property for the purpose of conducting, to the extent possible, the Site Investigation. Seller shall provide Buyer with copies of any environmental reports or studies for the Property in Buyer's possession. Upon Seller's request, Buyer shall provide Seller immediately with a copy of any reports or studies, which Buyer has performed on or about the Property pursuant to this Exhibit.

(f) Buyer may, but is not required to, engage the services of an engineer or other third party to inspect the Property. In the event of the purchase and sale of the Property hereunder, Seller shall sell the Property to Buyer, and Buyer agrees that is purchasing the Property from Seller "AS IS", WITHOUT ANY REPRESENTATION OR WARRANTY AS TO THE PHYSICAL CONDITION OF THE PROPERTY, OR ITS FITNESS FOR ANY PARTICULAR USE, EXCEPT AS OTHERWISE EXPRESSLY PROVIDED FOR HEREIN. Upon Seller's request, Buyer will promptly provide Seller with a copy of any and all reports or studies, which Buyer has performed on or about the Property under this Subparagraph.

(g) Buyer's review of the Title Commitment and any ALTA Survey of the Property whether prepared by Seller or Buyer. Notwithstanding the foregoing, Seller shall furnish Buyer with copies of any surveys of the Property in its possession. If a survey shows an encroachment, overlap, gore or other objectionable condition, (collectively, the "defect(s)"), Buyer shall notify Seller in writing specifying the defect(s). Seller shall have thirty (30) days from receipt of notice within which to remove or cure the defect(s). If Seller is unsuccessful in curing such defect(s) within said time, Buyer shall have the option of (i) extending such time period, (ii) accepting the Property as the survey then shows, or (iii) rescinding this Contract.

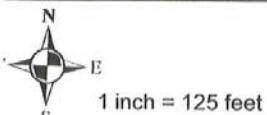


Exhibit "C"



RESOLUTION NO. _____

**A RESOLUTION AUTHORIZING THE MAYOR AND
CLERK TO ENTER INTO AN OFFER AND ACCEPTANCE
FOR THE PURCHASE OF REAL PROPERTY FROM THE
PHILLIP LEE TRUST.**

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL FOR THE
CITY OF BENTONVILLE, ARKANSAS.**

Section 1: That the Mayor and Clerk be and are hereby authorized to enter into an Offer and Acceptance for the Purchase of Real Property from the Phillip Lee Trust as set forth in the Real Estate Contract attached hereto as Exhibit "A".

Section 2: This resolution shall be in full force and effect from and after the date of its passage.

PASSED and APPROVED this _____ day of _____, 2014.

APPROVED:

MAYOR

ATTEST:

CITY CLERK



CHECK ALL THAT APPLY			
	Bid Award	Bid #	
x	Budget Adjustment		
	Change Order		
	Informational		
	Ordinance		
	Resolution		
	Other		

AGENDA FORM

CITY COUNCIL MEETING OF:

February 25, 2014

Submitted by: Hadi Dudley

Department: Library Director

Phone: 271-3194

ACTION REQUIRED:

Approval of budget adjustment for \$5,500 to Bentonville Public Library from the Northwest Arkansas Economic Development District (NWAEDD) for a General Improvement Fund (GIF) grant. The funds are designated to purchase furniture, supporting the library's public computer services.

COST TO CITY:

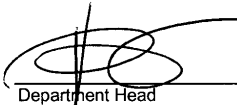
Cost of this Request: \$0

Additional Budget Amount: \$0

☒ One time amount

☐ Continuing O and M

Previously Budgeted	\$	-
Funds Expended to Date		-
Remaining Budget		-
Budget Adjustment		-
Remaining After Adjustment	\$	-


Department Head

2/14/14
Date

CT
Staff Attorney

2/20/14
Date

Purchasing Agent

Date

BM
Mayor

2/20/14
Date

Finance Director

2/20/14
Date

This form must be turned into the Mayor's office 7 days prior to the scheduled City Council meeting.

117 WEST CENTRAL AVENUE * BENTONVILLE, AR 72712

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PLEASE RECYCLE





Budget Adjustment #
(Assigned by Admin)

Department: Library

Date of Request: February 25, 2014

Acct Number	Account Name	Revenue + (-)	Expense + (-)	Fund Balance + (-)
010-5050-334.40-00	State Grants / Other	\$5,500.00		\$ 5,500.00
010-5050-455.25.10	Minor Equipment		\$5,500.00	\$ (5,500.00)
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
	Totals	\$ 5,500.00	\$ 5,500.00	\$ -

Justification:

Approval of budget adjustment for \$5,500 to Bentonville Public Library from the Northwest Arkansas Economic Development District (NWAEDD) for a General Improvement Fund (GIF) grant. The funds are designated to purchase furniture, supporting the library's public computer services.

FOR ACTING USE ONLY

Council Action: Approved Disapproved Other _____

Date: _____ Date entered: _____ By: _____

Revised 5/1/07

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NORTHWEST ARKANSAS
ECONOMIC DEVELOPMENT DISTRICT, INC.
NWAEDD PLAZA
818 Highway 62-65-412 North • P.O. Box 190
Harrison, Arkansas 72602-0190
(870) 741-5404

January 30, 2014

The Honorable Bob McCaslin
Mayor of Bentonville
117 West Central
Bentonville, Arkansas 72712

Mayor McCaslin:

The Northwest Arkansas Economic Development District (NWAEDD) is pleased to notify you it has approved a General Improvement Fund (GIF) grant to City of Bentonville for its Public Library. NWAEDD is funding the GIF project in the amount of Five Thousand - Five Hundred Dollars and No/100's (\$5,500.00).

The GIF grant is a community development grant to the City of Bentonville. The project is help the Bentonville Public Library acquire computer workstations using current technology. The stations are used for job-search and educational pursuits.

The funds were appropriated to NWAEDD for the GIF program through Acts supported by Legislatures including Representative Jim Dotson from Northwest Arkansas. We wish to thank the Arkansas Legislator's and Representative Dotson for enabling NWAEDD to serve Arkansas and its citizens.

Please do not hesitate to reach out to me directly if I can be of assistance or provide any information.

Sincerely,

J. Michael Norton
Executive Director

Cc: The Honorable Jim Dotson, Arkansas House District 93

Northwest Arkansas Economic Development District, Inc.
General Improvement Fund Grant Program
Grant Agreement

Grantee: City of Bentonville

Grant #: 93-147-12-13

Grant Amount: \$ 5,500.00

Purpose: Public Library

GRANTOR

Northwest Arkansas Economic Development District, Inc.
P.O. Box 190
Harrison, AR 72602-0190
Phone: 870-741-5404

GRANTEE

City of Bentonville
117 West Central
Bentonville, Arkansas 72712
Phone: (479) 271-3105

1. PURPOSE

This Agreement is entered into by Northwest Arkansas Economic Development District, Inc. (NWAEDD), herein referred to as Grantor, and **City of Bentonville, Bentonville Public Library**, herein referred to as Grantee. The Grantor has received General Improvement Funds from the Arkansas General Assembly to be utilized to assist local public governmental jurisdictions and/or non-profit organizations to plan, develop, promote and/or implement economic and community development projects/activities designed to improve the economic, community and/or social well-being of the citizens of Arkansas. Projects should complement the Economic and Community Development Goals and Objects of the State of Arkansas. The Grantee agrees to implement and complete a General Improvement Fund Program project in accordance with the provisions of this Agreement.

2. LEGAL AUTHORITY

By signing this Agreement the Grantee certifies that it possesses legal authority to accept grant funds under the General Improvement Fund program. The act of signing will also certify that the Grantee will comply with all parts of this Agreement, and the Grantee accepts full legal responsibility for properly implementing the project described in the original grant application documents and agrees to expend funds in accordance with the original grant application form.

3. FINANCIAL MANGEMENT AND ACCOUNTING

The Grantee will establish and/or maintain a financial management and accounting system, which conforms to generally accepted accounting principles and complies with requirements of the State Purchasing Law, the General Accounting and Budgetary Procedures Law, and other applicable fiscal control laws of the State of this State and regulations promulgated by the Department of Finance and Administration shall be observed in connection with the utilization of said grant funds.

4. RECORDKEEPING

Grantee will maintain records of all project expenditures on file for a period of three years or until the Grantee's audit for the period in which grant funds were utilized have been conducted. The Grantor and duly authorized officials of the State will have full access and the right to examine any pertinent documents of the Grantee or persons or organizations with which the Grantee may contract, which involve transactions related to this Agreement.

5. REPORTING

The Grantee agrees to provide Grantor with a final close-out report within sixty (60) days of project completion on which grant funds have been utilized, (See Attachment "A" - Closeout Form).

6. INDEMNIFICATION

The Grantee agrees to follow all local and state laws and regulations. Furthermore, the Grantee agrees to hold harmless the Grantor from any and all claims, suits and actions arising from any act of omission, noncompliance or misuse of grant funds by the Grantee or any employee or agent in the performance of this Grant Agreement.

7. METHOD OF PAYMENT

The Grantor shall make payment of authorized grant funds upon proper execution of this Grant Agreement by the Grantee. The Grantor reserves the right to determine the most appropriate distribution of payments, based upon the nature of the approved project. In no event will the total amount of grant funds to the Grantee for allowable expenses incurred in relation to the project exceed the amount noted on Page 1 of this Agreement as the Grant Amount.

8. MODIFICATIONS

The Grant Agreement may be modified, at the discretion of the Grantor, only with prior written notification from the Grantee. The Grantee will be notified, in writing, of the decision of the Grantor.

Approved for the Grantor

Approved for the Grantee

BY:

BY:

NORTHWEST ARKANSAS ECONOMIC
DEVELOPMENT DISTRICT, INC.

CITY OF BENTONVILLE
BENTONVILLE PUBLIC LIBRARY


Executive Director

Bob McCaslin
Mayor of Bentonville

1/30/2014
Date

Date

**Northwest Arkansas Economic Development District, Inc.
General Improvement Fund Project Closeout**

I do hereby affirm that all funds awarded to this organization under the Northwest Arkansas Economic Development District's General Improvement Fund Program were spent strictly in accordance with the submitted and approved proposed project.

I understand that any monies not spent or not spent in accordance with the approved budget are to be repaid to NWAEDD.

I also affirm that the approved project has been completed and all payments have been made in full. As such, I am officially requesting the formal closure of this grant.

Bob McCaslin
Mayor of Bentonville

Date

CITY OF BENTONVILLE
BENTONVILLE PUBLIC LIBRARY

Organization

Notary Seal:



CHECK ALL THAT APPLY		
	Bid Award	Bid #
	Budget Adjustment	
	Change Order	
	Informational	
	Ordinance	
x	Resolution	
	Other	

AGENDA FORM

CITY COUNCIL MEETING OF: February 11, 2014

Submitted by: David Wright

Department: Parks & Recreation

Phone: 464-7275

ACTION REQUIRED:

Parks and Recreation is requesting City Council's approval of a resolution authorizing the Mayor and Clerk enter into agreement with Ozark Tennis Academy, for a tennis program provider at Memorial Park Tennis Complex.

f

COST TO CITY:

Cost of this Request:

Additional Budget Amount

☒ One time amount ☐ Continuing O and M

Previously Budgeted	\$
Funds Expended to Date	-
Remaining Budget	
Budget Adjustment	-
Remaining After Adjustment	\$

DW Department Head 2/13/2014 Date

Purchasing Agent Date

M Finance Director 2/20/14 Date

CT Staff Attorney 2/20/14 Date

POM Mayor 2/20/14 Date

This form must be turned into the Mayor's office 7 days prior to the scheduled City Council meeting.

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PLEASE RECYCLE



Memo



To: City Council, Mayor McCaslin
From: David Wright, Parks and Recreation Director
CC:
Date: February 13, 2014
Re: Council approval of resolution for Mayor and City Clerk to enter agreement with Ozark Tennis Academy for Tennis Facility Pro at Memorial Park Tennis Complex.

Parks and Recreation is requesting City Council to approve a resolution, authorizing the Mayor and Clerk to enter into agreement with Ozark Tennis Academy as the Tennis Facility Pro at Memorial Park Tennis Complex.

On September 10, 2013, Parks & Recreation and the Purchasing Department advertised a Request for Proposal (RFP) for a Tennis Professional. Two applicants were interviewed and finances were discussed with each. Ozark Tennis Academy was chosen based on experience and availability to perform the requirements of the position.

OTA is a local organization dedicated to developing a strong work ethic, teamwork, and discovery to participants through their tennis programs. Jared and Christi Ward, the owner of OTA, provide high quality tennis programs for children and adults at Memorial Park. In fact, Parks and Recreation's tennis program at Memorial Park has been recognized as the fastest growing youth tennis program in Arkansas.

The agreement states Parks and Recreation promote the program(s) involved at Memorial Park Tennis Complex. In addition, Parks and Recreation registers participants and collects registration fees. Parks and Recreation pays OTA a percentage of each registration fee. For that fee, OTA operates and manages the facility and program at Memorial Park.

If you have any questions regarding this item, please let me know. Please call me at 464.7275, or email dwright@bentonvillear.com.

Contract of Employment

Facility Tennis Professional for Bentonville Parks and Recreation

This agreement made and entered into this 25th day of FEBRUARY 2014, by and between the City of Bentonville (City) and JARED WARD (Facility Tennis Pro) shall determine the relationship of the parties and set forth the rights and responsibilities of each. This agreement shall commence on MARCH 1, 2014, and shall terminate on the last day of December, 2014. This contract is a one year agreement, renewable for two additional years if mutually agreed upon by the Facility Tennis Pro and the Parks and Recreation Director.

1. This serves as a professional service agreement for a Tennis Facility Pro and shall remain in full force and effect until modified in writing by mutual consent of the parties or until terminated according to the terms set forth in Paragraph (2).
2. This agreement is for operation of the courts at Memorial Park Tennis Complex. Additional court space at Wildwood courts may be reserved for programming and special events if mutually agreed upon by the Facility Tennis Pro and the Director of Parks and Recreation.
3. All provisions of the Contract shall be performed in good faith. If the City becomes dissatisfied with the performance of the Facility Tennis Pro, the contract may be terminated by the Mayor or Director of Parks and Recreation or his assignee.
4. The Facility Tennis Pro will adhere to the previously signed agreement between the City of Bentonville and the Bentonville High School(s) Tennis Program.
5. The Facility Tennis Pro may hire additional staff as needed with the understanding that such staff are employees of the Facility Tennis Pro. All payments to the assistants will come directly from the Facility Tennis Pro.
6. Facility Tennis Pro shall understand the programs being offered are by way of Bentonville Parks and Recreation. Facility Tennis Pro is expected to promote the City of Bentonville and Bentonville Parks and Recreation in a professional manner, enhancing the department and the tennis facility. If inappropriate actions are being performed, this contract can be terminated by the Director of Parks and Recreation or his assignee.
7. Facility Tennis Pro and all staff will agree to a background security check to be performed by the City of Bentonville.
8. Facility Tennis Pro and Parks and Recreation Staff will work collaboratively to develop a comprehensive Facility Tennis Program that includes recreational opportunities for youth and adult participants. These programs may include, but not limited to leagues, lessons, events and open recreation. Facility Tennis Pro will assist in determining the dates and times for programs and special events.
9. Facility Tennis Pro will partner with Camp Bentonville to put on at least two (2) camp programs during the year.
10. Parks and Recreation will be responsible for marketing, promotion and registration of said programs and events. This includes, but is not limited to, preparing brochures, flyers and

program guides, registration forms, posters and other promotional materials. Parks and Recreation will distribute forms to the public and will promote programs in publications and in web marketing.

11. Registration for all programs will occur at Bentonville Parks and Recreation facilities or online at Bentonville Parks and Recreation sites. All registration funds will come directly to Bentonville Parks and Recreation and will be distributed to the Facility Tennis Pro once payment is received. Parks and Recreation will receive 15% of gross revenue for all programs and events. The Facility Tennis Pro shall receive 85% of all youth and adult program revenue. All expenses for the program are the responsibility of the Facility Tennis Pro.
12. Parks and Recreation will distribute any payments to the Facility Tennis Pro by the 15th day of every month.
13. The Facility Tennis Pro will be responsible for staffing the Memorial Park Tennis Courts to operate any program offered by the creation of this agreement. Facility Tennis Pro must be available to answer questions from patrons about programs. Facility Tennis Pro is expected to enforce rules and regulations of this facility.
14. Facility Tennis Pro and his / her staff will work with Parks and Recreation to perform one (1) free Facility Tennis Promotion day annually.
15. Facility Tennis Pro and Parks and Recreation will meet bi-weekly, or as needed, to be sure all parties are up to date on the status of the tennis program and of upcoming events and programs at the facility.
16. The Facility Tennis Pro will work in partnership with the Tennis Tournament Director to schedule events, programs, and tournaments to avoid scheduling conflicts.
17. The Facility Tennis Pro shall abide by and enforce all regulations of the City applicable to the premises of the Tennis Complex. Days and hours of operation of the complex shall be recommended by the Facility Tennis Pro with final approval from the Director of Parks and Recreation or his assignee.
18. The Facility Tennis Pro and his staff shall be responsible for keeping the playing courts and Tennis complex clean, neat and orderly. The City shall furnish all cleaning supplies and shall be responsible for maintenance of the buildings and courts and grounds.
19. All rules and regulations, administrative policies, and all fees to be charged at the Tennis complex shall be recommended by the Facility Tennis Pro and approved by the Director of Parks and Recreation or his assignee.
20. The Facility Tennis Pro shall have immediate authority over all assistants. Final authority of hiring and firing of tennis assistants rests with the Facility Tennis Pro.
21. It is understood by both parties that private enterprises can be used as a sponsor in tournaments and special activities in Memorial Park with final approval of the Parks and Recreation Director or his assignee.
22. The Facility Tennis Pro will work with the Parks and Recreation Director to determine the overall direction of the Tennis Complex. The Facility Tennis Pro hours will be determined by leagues and scheduled lessons that will be approved by the Director of Parks and Recreation or his assignee.

23. The Facility Tennis Pro will be available to assist third party events and tournaments when assigned by the Parks and Recreation Supervisor.
24. The Facility Tennis Pro shall comply with all Federal, State, and local laws, and ordinances. He shall also comply with the Americans with Disabilities Act which prohibits discrimination against individuals with disabilities and providing public services. The Facility Tennis Professional shall be expected to comply with all rules and regulations governing all employees and independent contractors of the City of Bentonville, Arkansas.



2/7/14

Date

Facility Tennis Professional

Bob McCaslin

Date

Mayor

RESOLUTION NO. _____

**A RESOLUTION AUTHORIZING THE MAYOR AND
CLERK TO ENTER INTO AN AGREEMENT WITH
OZARK TENNIS ACADEMY FOR A TENNIS PROGRAM
AT MEMORIAL PARK.**

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL FOR THE
CITY OF BENTONVILLE, ARKANSAS.**

Section 1: That the Mayor and Clerk be and are hereby authorized to enter into an Agreement with Ozark Tennis Academy for a tennis program at Memorial Park Tennis Complex, as set forth in the agreement attached hereto as Exhibit "A".

Section 2: This resolution shall be in full force and effect from and after the date of its passage.

PASSED and APPROVED this _____ day of _____, 2014.

APPROVED:

MAYOR

ATTEST:

CITY CLERK



CHECK ALL THAT APPLY			
x	Bid Award	Bid #	14-08
	Budget Adjustment		
	Change Order		
	Informational		
	Ordinance		
	Resolution		
	Other		

AGENDA FORM

CITY COUNCIL MEETING OF:

February 25, 2014

Submitted by: David Wright

Department

Parks & Recreation

Phone

464-7275

ACTION REQUIRED:

The Parks and Recreation Staff are seeking City Council's approval of a bid award for bid #14-08 in the amount of \$75,584.00 for the construction of the pathways of the Legacy Orchards at Orchards Park.

COST TO CITY:

Cost of this Request: \$75,584

Additional Budget Amount

☒ One time amount

☐ Continuing O and M

Previously Budgeted	\$ 77,000
Funds Expended to Date	-
Remaining Budget	
Budget Adjustment	-
Remaining After Adjustment	\$

Department Head

2/14/2014
Date

Purchasing Agent

2/17/14
Date

Finance Director

2/20/14
Date

Staff Attorney

CT
2/20/14
Date

Mayor

Pam
2/20/14
Date

This form must be turned into the Mayor's office 7 days prior to the scheduled City Council meeting.

117 WEST CENTRAL AVENUE * BENTONVILLE, AR 72712
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PLEASE RECYCLE



Memo



To: City Council, Mayor McCaslin
From: David Wright, Parks and Recreation Director
Date: February 18, 2014
Re: Council approval to award Bid # 14-08 to Boulder Construction, in the amount of \$75,583.65, for the construction of the pathways at the Legacy Orchards at Orchards Park.

Parks and Recreation Staff requests City Council approve a bid award to Boulder Construction, in the amount of \$75,583.65 for the construction of the Legacy Orchards at Orchards Park.

For several years, the Parks and Recreation Advisory Board debated the best use of the land in the most southern part of Orchards Park. The open green space was a raw piece of open land, adjacent to a beautiful area. The PRAB and the staff mutually agreed to improve the property, but we did not rush into a decision.

In 2013, after months of debating, PRAB Chairman Scott Eccleston presented concept drawing that was inspired by conversations of our board members. The concept drawing, attached to this memo, showed a beautiful tree orchard comprised of legacy sugar maple trees. The orchard was inspired by the name of the park that pays tribute to Benton County's agricultural history.

When Eccleston presented the concept drawings, the PRAB was very excited to approve the project and put the plan in motion. Parks and Recreation Staff worked closely with Planning Staff and the Tree and Landscape Committee to fund the installation of irrigation and the first 90 trees for the project. This project was completed in December.

Now, the next part of the project is the installation of the crushed stone pathways that will lead through the orchard. With assistance of the City's Engineering Department, a design and specification was developed and bids published. Bids were opened on February 12. Five (5) companies submitted bids, with Boulder Construction providing the lowest bid. Boulder is a company who has worked several many in Bentonville and with Bentonville Parks and Recreation.

This project was included in the 2014 operational budget. A total of \$77,000.00 was budgeted for the project. If Council approves this bid, this sixty (60) day job should be completed by May 31. If you have any questions regarding this item, please call me at 464.7275 or email dwright@bentonvillear.com.

Attachments:

Bid Tabulation

Legacy Orchards concept drawing

City of Bentonville

Formal Bid Tab

Legacy Trail Project

Bid # 14-08 02/12/14 2:00 PM

Boulder Construction Company

Item#	Item Description	Unit	Quantity	Unit Price	Extended Price	Bid Bond
1	Construction Control	LS	1	\$ 4,242.05	\$ 4,242.05	XX
2	Excavation & Subgrade Prep	SY	2100	\$ 2.96	\$ 6,216.00	
3	Undercut	CY	100	\$ 22.64	\$ 2,264.00	
4	4" compacted Aggregate Base	SY	2100	\$ 5.25	\$ 11,025.00	
5	4" Electrical Conduit Sleeves	LF	480	\$ 10.77	\$ 5,169.60	
6	Steel Landscape Edging	LF	6000	\$ 3.35	\$ 20,100.00	
7	Install Ruby Red Granite	SY	2100	\$ 1.74	\$ 3,654.00	
8	Select Grading	SY	8000	\$ 0.38	\$ 3,040.00	
9	Seeding	ACRE	2	\$ 3,230.00	\$ 6,460.00	
10	Mobilization	LS	1	\$ 13,413.00	\$ 13,413.00	
					\$ 75,583.65	

Humbard Contracting

Item#	Item Description	Unit	Quantity	Unit Price	Extended Price	Bid Bond
1	Construction Control	LS	1	\$ 2,500.00	\$ 2,500.00	XX
2	Excavation & Subgrade Prep	SY	2100	\$ 3.34	\$ 7,014.00	
3	Undercut	CY	100	\$ 5.00	\$ 500.00	
4	4" compacted Aggregate Base	SY	2100	\$ 3.34	\$ 7,014.00	
5	4" Electrical Conduit Sleeves	LF	480	\$ 8.00	\$ 3,840.00	
6	Steel Landscape Edging	LF	6000	\$ 3.84	\$ 23,040.00	
7	Install Ruby Red Granite	SY	2100	\$ 6.20	\$ 13,020.00	
8	Select Grading	SY	8000	\$ 2.00	\$ 16,000.00	
9	Seeding	ACRE	2	\$ 4,791.50	\$ 9,583.00	
10	Mobilization	LS	1	\$ 3,525.00	\$ 3,525.00	
					\$ 86,036.00	

Bid sheet showed an extended price of 4,000.00

General Construction Solutions

Item#	Item Description	Unit	Quantity	Unit Price	Extended Price
1	Construction Control	LS	1	\$ 2,275.00	\$ 2,275.00
2	Excavation & Subgrade Prep	SY	2100	\$ 1.30	\$ 2,730.00
3	Undercut	CY	100	\$ 11.13	\$ 1,113.00
4	4" compacted Aggregate Base	SY	2100	\$ 6.50	\$ 13,650.00
5	4" Electrical Conduit Sleeves	LF	480	\$ 16.52	\$ 7,929.60
6	Steel Landscape Edging	LF	6000	\$ 3.97	\$ 23,820.00
7	Install Ruby Red Granite	SY	2100	\$ 2.93	\$ 6,153.00
8	Select Grading	SY	8000	\$ 0.34	\$ 2,720.00
9	Seeding	ACRE	2	\$ 10,522.75	\$ 21,045.50
10	Mobilization	LS	1	\$ 3,250.00	\$ 3,250.00
					\$ 84,686.10

Bid Bond
XX

Professional Landscaping Company

Item#	Item Description	Unit	Quantity	Unit Price	Extended Price
1	Construction Control	LS	1	\$ 2,090.00	\$ 2,090.00
2	Excavation & Subgrade Prep	SY	2100	\$ 9.07	\$ 19,047.00
3	Undercut	CY	100	\$ 40.37	\$ 4,037.00
4	4" compacted Aggregate Base	SY	2100	\$ 6.27	\$ 13,167.00
5	4" Electrical Conduit Sleeves	LF	480	\$ 7.17	\$ 3,441.60
6	Steel Landscape Edging	LF	6000	\$ 4.23	\$ 25,380.00
7	Install Ruby Red Granite	SY	2100	\$ 3.00	\$ 6,300.00
8	Select Grading	SY	8000	\$ 0.90	\$ 7,200.00
9	Seeding	ACRE	2	\$ 2,400.00	\$ 4,800.00
10	Mobilization	LS	1	\$ 550.00	\$ 550.00
Performance Bond					2,115.00
					\$ 88,127.60

Bid Bond
XX

Diamond C Construction

Item#	Item Description	Unit	Quantity	Unit Price	Extended Price
1	Construction Control	LS	1	\$ 2,631.43	\$ 2,631.43
2	Excavation & Subgrade Prep	SY	2100	\$ 5.72	\$ 12,012.00
3	Undercut	CY	100	\$ 40.25	\$ 4,025.00
4	4" compacted Aggregate Base	SY	2100	\$ 6.72	\$ 14,112.00

Bid Bond
XX

5	4" Electrical Conduit Sleeves	LF	480	\$	19.03	\$	9,134.40
6	Steel Landscape Edging	LF	6000	\$	3.02	\$	18,120.00
7	Install Ruby Red Granite	SY	2100	\$	3.43	\$	7,203.00
8	Select Grading	SY	8000	\$	3.23	\$	25,840.00
9	Seeding	ACRE	2	\$	3,507.50	\$	7,015.00
10	Mobilization	LS	1	\$	4,600.00	\$	4,600.00
						\$	104,692.83

Note* The figures in red signify discrepancies between the unit price and the extended values.



CHECK ALL THAT APPLY			
X	Bid Award	Bid #	14-02
	Budget Adjustment		
	Change Order		
	Informational		
	Ordinance		
	Resolution		
	Other		

AGENDA FORM

CITY COUNCIL MEETING OF:

February 25, 2014

Submitted by: Mike Bender

Department: Public Works

Phone: 271-6720

ACTION REQUIRED:

Recommend Council award bid to Rosetta Construction in the amount of \$4,633,953.00 for the relocation of water, sewer, and electric utilities associated with the AHTD's Bella Vista Bypass project. This project is not a budgeted project and requires a budget adjustment. Project will be funded by a combination of Wastewater funded depreciation, Electric Department funds, and AHTD reimbursement. Reimbursement from AHTD is 38.75% and is estimated at \$1,369,820.00 based on the bids. Final amount may be adjusted upon completion of the project.

COST TO CITY:

Cost of this Request: \$4,633,953

Additional Budget Amount: \$4,663,953

☒ One time amount

☐ Continuing O and M

Previously Budgeted	\$ -
Funds Expended to Date	-
Remaining Budget	-
Budget Adjustment	4,663,953
Remaining After Adjustment	\$ 4,663,953

Department Head

2/18/14

Date

Purchasing Agent

2/18/14

Date

Finance Director

2/20/14

Date

Staff Attorney

2/20/14

Date

Mayor

2/20/14

Date

This form must be turned into the Mayor's office 7 days prior to the scheduled City Council meeting.

117 WEST CENTRAL AVENUE • BENTONVILLE, AR 72712

www.bentonvillear.com



PLEASE RECYCLE



Memo



To: City Council, Mayor McCaslin

From: Mike Bender *MB*

CC:

Date: February 14, 2014

Re: Bid Award to Rosetta Construction and associated budget adjustment.
Arkansas State Highway Commission Relocation Agreement for Bella Vista
Bypass Utility Relocation

The City entered into an agreement with AHTD in 2007 to perform preliminary engineering services for water, sanitary sewer, and electric utility relocations affected by AHTD's Bella Vista Bypass Project. The City entered into an agreement with AHTD in 2012 to proceed with final engineering, bidding and construction of utility relocations associated with the Bella Vista Bypass project. Five bids were received January 30, 2014 with Rosetta Construction, LLC being the low bidder with a total bid of ✓ \$4,633,953.00. Of this total, \$1,369,820.00 (38.75%) qualifies for reimbursement from AHTD. Electric and a large portion of sewer do not qualify for reimbursement as they are located within the existing AHTD right-of-way. Electric conduit, funded by the Electric Department, consists of \$657,419.00 and is included in this project to simplify construction coordination. Non-reimbursable sewer portions of the project total \$2,606,714.00. These totals may change based on final construction costs.

This is not a budgeted project and will require a budget adjustment which reflects the breakdown described above.

Thank you for your consideration of this request

February 5, 2014

FY072128

Mr. Mike Bender, P.E.
Public Works Director
City of Bentonville
305 SW "A" Street
Bentonville, AR 72712

Re: Bella Vista Bypass Bid Opening

Dear Mr. Bender:

Bids were opened on the water and sewer replacement project for the Bella Vista Bypass at 2:00 pm on January 30, 2014. Five bids were received. They have been checked and tabulated and a copy of the Bid Tabulation is attached. All of the bidders are properly licensed. The low bidder was Rosetta Construction, LLC of Springfield, Missouri with a bid total of \$4,633,953.00 for the water and sewer replacement work as well as installation of electrical and communication conduit.

This total bid is listed in phases in the Bid Tabulation as follows:

Phase	Description	Bid Amount	Engineer's Estimated Amount
1&2 Water & Sewer	Bella Vista Water Main and Hwy. 71 Sewer & Force Main	\$2,807,638	\$2,567,750
3	McKisic Creek Sewer & Peach Orchard Rd Water & Sewer	\$727,216	\$696,017
4	Off Site Hwy 71 Sewer Crossing	<u>\$441,680</u>	<u>\$347,200</u>
Subtotal Phase 1, 2, 3 & 4	Water & Sewer	\$3,976,534	\$3,610,967
Phase 1 Conduit	Electrical & Cox Conduit Installation	<u>\$657,419</u>	<u>N/A</u>
Total Bid Water, Sewer & Conduits		\$4,633,953	N/A

I did not make a cost estimate for the electrical conduit work, since it was added to the project just before going to bid and since this type of work is not normally included in water and sewer projects.

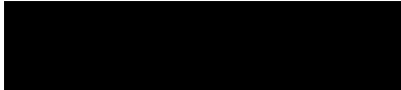
McClelland Consulting Engineers, Inc. – "Best Engineering Firm"
Arkansas Business 2009, 2010 & 2012 Award Winner

I did not make a cost estimate for the electrical conduit work, since it was added to the project just before going to bid and since this type of work is not normally included in water and sewer projects. Our estimate for the water and sewer work was approximately 9.2% below the low bid. Our estimate for most of this water and work dates back to December 2011. These were the numbers the Highway Department used in their agreement, so changing them before the bid opening would have been moot.

We have to submit the actual bid numbers to the Highway Department with the new reimbursement calculations, so that they can use the actual bid prices in a change order to their agreement with your City.

Ms. Bertschy kept the Bid Bonds, so we have not checked them. Otherwise, everything else looks good. Rosetta Construction has successfully completed other project for our firm and they have had ample rock excavation experience. Consequently, we recommend that the Contract be awarded to Rosetta Construction, LLC, in the amount of \$4,663,953.00. Please let me know if there are questions.

Very Truly Yours,



Robert W. White, P.E.

Encl: Bid Tabulation

cc: Mr. Travis Matlock, PE with enclosures
Mr. Preston Newbill, with enclosures
Mr. Blaine Gartrell, AHTD, with enclosures

PHASE 1 & 2 BID SCHEDULE, WATER & SEWER

Item #	Description	Qty.	Units	Rosetta Construction		Forsgren, Inc.		BRB Contractors	
				Unit Cost	Extended	Unit Cost	Extended	Unit Cost	Extended
1	Act 291, 1993 Trench & Excavation Safety System, Phase 1 and 2, Water & Sewer	1	LS	\$57,850.00	\$57,850.00	\$25,000.00	\$25,000.00	\$13,500.00	\$13,500.00
2	18-Inch Ductile Iron Pipe Water Main	1,048	LF	\$90.00	\$94,320.00	\$120.00	\$125,760.00	\$186.00	\$194,928.00
3	18-Inch Restrained Joint Ductile Iron Pipe Water Main	1,230	LF	\$120.00	\$147,600.00	\$175.00	\$215,250.00	\$202.00	\$248,460.00
4	6-Inch Ductile Iron Pipe Water Main	20	LF	\$50.00	\$1,000.00	\$55.00	\$1,100.00	\$134.00	\$2,680.00
5	18" X 18" Tapping Sleeve and Valve	2	EA	\$15,000.00	\$30,000.00	\$35,000.00	\$70,000.00	\$16,400.00	\$32,800.00
6	18" Butterfly Valve	2	EA	\$9,000.00	\$18,000.00	\$10,000.00	\$20,000.00	\$8,525.00	\$17,050.00
7	6" Gate Valve	3	EA	\$725.00	\$2,175.00	\$900.00	\$2,700.00	\$975.00	\$2,925.00
8	Fire Hydrant	3	EA	\$2,750.00	\$8,250.00	\$3,350.00	\$10,050.00	\$3,200.00	\$9,600.00
9	2-Inch Air Release Assembly Including Existing or New Main Tap	3	EA	\$2,600.00	\$7,800.00	\$4,050.00	\$12,150.00	\$2,700.00	\$8,100.00
10	Cut and Cap 18" Water Main	2	EA	\$1,000.00	\$2,000.00	\$3,450.00	\$6,900.00	\$1,375.00	\$2,750.00
11	30" Direct Bury Steel Casing	473	LF	\$100.00	\$47,300.00	\$180.00	\$85,140.00	\$125.00	\$59,125.00
12	Ductile Iron Fittings for Water Line	4,600	LB	\$6.00	\$27,600.00	\$8.65	\$39,790.00	\$6.25	\$28,750.00
13	Concrete Anchor Collars	26	EA	\$500.00	\$13,000.00	\$2,650.00	\$68,900.00	\$2,300.00	\$59,800.00
14	Remove Existing Fire Hydrant	1	EA	\$300.00	\$300.00	\$575.00	\$575.00	\$325.00	\$325.00
15	24-Inch Lined Ductile Iron Force Main	181	LF	\$177.00	\$32,037.00	\$215.00	\$38,915.00	\$280.00	\$50,680.00
16	24-Inch Restrained Joint Lined Ductile Iron Force Main	1,993	LF	\$214.00	\$426,502.00	\$280.00	\$558,180.00	\$311.00	\$619,823.00
17	18-Inch PVC Sewer Main, SDR-26	203	LF	\$102.00	\$20,706.00	\$85.00	\$17,255.00	\$159.00	\$32,277.00
18	18-Inch Lined Ductile Iron Sewer Main	1,640	LF	\$150.00	\$246,000.00	\$165.00	\$270,600.00	\$202.00	\$331,280.00
19	18-Inch Restrained Joint Lined Ductile Iron Sewer Main	330	LF	\$176.00	\$58,080.00	\$210.00	\$69,300.00	\$220.00	\$72,600.00
20	Sewer Manholes 4 Foot Diameter	10	EA	\$2,100.00	\$21,000.00	\$2,000.00	\$20,000.00	\$2,400.00	\$24,000.00
21	Extra Manhole Depth for 4 Foot Diameter	70	LF	\$125.00	\$8,750.00	\$155.00	\$10,850.00	\$210.00	\$14,700.00
22	Abandon Manhole	9	EA	\$500.00	\$4,500.00	\$615.00	\$5,535.00	\$550.00	\$4,950.00
23	Plug Sewer at Manhole	2	EA	\$150.00	\$300.00	\$1,050.00	\$2,100.00	\$300.00	\$600.00
24	Remove Manhole	1	EA	\$300.00	\$300.00	\$1,000.00	\$1,000.00	\$2,700.00	\$2,700.00
25	Connect to Existing Manhole	1	EA	\$1,000.00	\$1,000.00	\$1,750.00	\$1,750.00	\$400.00	\$400.00
26	Sewer Main Trenching and Backfilling, 0 to 10 Feet Deep for 18-Inch Sewer	304	LF	\$100.00	\$30,400.00	\$10.00	\$3,040.00	\$4.00	\$1,216.00
27	Sewer Main Trenching and Backfilling, 10 to 14 Feet Deep for 18-Inch Sewer	809	LF	\$140.00	\$113,260.00	\$15.00	\$12,135.00	\$8.00	\$6,472.00
28	Sewer Main Trenching and Backfilling, 14 to 18 Feet Deep for 18-Inch Sewer	730	LF	\$180.00	\$131,400.00	\$18.00	\$13,140.00	\$12.00	\$8,760.00
29	36-Inch Bored Steel Casing	348	LF	\$850.00	\$295,800.00	\$855.00	\$297,540.00	\$984.00	\$342,432.00
30	36-Inch Direct Bury Steel Casing	1,372	LF	\$145.00	\$198,940.00	\$205.00	\$281,260.00	\$155.00	\$212,660.00
31	30-Inch Bored Steel Casing	330	LF	\$750.00	\$247,500.00	\$790.00	\$260,700.00	\$934.00	\$308,220.00
32	30-Inch Direct Bury Steel Casing	N/A	LF		\$0.00		\$0.00		\$0.00
33	Connect to Existing 24-Inch Force Main	2	EA	\$1,000.00	\$2,000.00	\$7,400.00	\$14,800.00	\$7,000.00	\$14,000.00
34	Force Main Trace Wire Access Ports	9	EA	\$150.00	\$1,350.00	\$185.00	\$1,665.00	\$175.00	\$1,575.00
35	Lined Ductile Iron Fittings for Force Main	5,200	LB	\$7.00	\$36,400.00	\$11.00	\$57,200.00	\$9.00	\$46,800.00
36	18-Inch x 4-Inch PVC Sewer Service Tap and Connection	1	EA	\$900.00	\$900.00	\$1,000.00	\$1,000.00	\$850.00	\$850.00
37	18-Inch x 4-Inch DIP Sewer Service Tap and Connection	1	EA	\$350.00	\$350.00	\$585.00	\$585.00	\$450.00	\$450.00
38	4-Inch PVC Sewer Service Pipe	20	LF	\$50.00	\$1,000.00	\$35.00	\$700.00	\$40.00	\$800.00
39	TV Inspection of Existing 15" / 16" Gravity Sewer to be Abandoned and Replaced	2,134	LF	\$2.00	\$4,268.00	\$4.25	\$9,069.50	\$3.00	\$6,402.00
40	Flowable Fill in Old 24-Inch Force Main	2,180	LF	\$22.00	\$47,960.00	\$12.00	\$26,160.00	\$13.25	\$28,885.00

BID TABULATION (Page 2 of 8)

City of Bentonville
Bella Vista Bypass Water & Sewer Replacement
Bentonville, Arkansas
MCE Project #FY072128
January 30, 2014

PHASE 1 & 2 BID SCHEDULE, WATER & SEWER

Description

Item #	Description	Qty.	Units	Rosetta Construction		Forsgren, Inc.		BRB Contractors	
				Unit Cost	Extended	Unit Cost	Extended	Unit Cost	Extended
41	Flowable Fill in Old 15-Inch and 18-Inch Sewer	2,134	LF	\$10.00	\$21,340.00	\$6.35	\$13,550.90	\$9.00	\$19,206.00
42	Asphalt Surface Restoration	40	SY	\$75.00	\$3,000.00	\$82.00	\$3,280.00	\$159.00	\$6,360.00
43	Asphalt Highway Restoration	2,500	SY	\$80.00	\$200,000.00	\$82.00	\$205,000.00	\$129.00	\$322,500.00
44	Concrete Surface Restoration	240	SY	\$60.00	\$14,400.00	\$60.00	\$14,400.00	\$104.00	\$24,960.00
45	Class 7 Base Trench Backfill for 24" Force Main and 18" Gravity Sewer	2,800	LF	\$60.00	\$168,000.00	\$72.00	\$201,600.00	\$32.00	\$89,600.00
46	Trench Stabilization Material	50	TON	\$20.00	\$1,000.00	\$24.00	\$1,200.00	\$34.00	\$1,700.00
47	Erosion Control, Phase 1 and 2	1	LS	\$12,000.00	\$12,000.00	\$25,000.00	\$25,000.00	\$21,000.00	\$21,000.00
Subtotal, Phase 1 & 2, Water & Sewer					\$2,807,638.00		\$3,090,645.40		\$3,299,651.00

PHASE 1 BID SCHEDULE, ELECTRICAL CONDUIT

Description

Item #	Description	Qty.	Units	Rosetta Construction		Forsgren, Inc.		BRB Contractors	
				Unit Cost	Extended	Unit Cost	Extended	Unit Cost	Extended
E-1	Act 291, 1993 Trench & Excavation Safety System, Phase 1, Conduits	1	LS	\$2,000.00	\$2,000.00	\$20,600.00	\$20,600.00	\$5,600.00	\$5,600.00
E-2	Bentonville Electric Utility Dept., (BEUD) Conduit Run #1, #2, #3 and #4 (Two 6" Conduits, One 3" Conduit)	2,628	FT	\$60.00	\$157,680.00	\$75.00	\$197,100.00	\$120.00	\$315,360.00
E-3	BEUD Conduit Run #5 (One 4" Conduit)	201	FT	\$50.00	\$10,050.00	\$32.00	\$6,432.00	\$90.00	\$18,090.00
E-4	BEUD Conduit Run #6 (One 3" Conduit)	10	FT	\$49.00	\$490.00	\$53.00	\$530.00	\$85.00	\$850.00
E-5	BEUD Conduit Run #7 (One 4" and One 3" Conduits)	134	FT	\$52.00	\$6,968.00	\$42.00	\$5,628.00	\$100.00	\$13,400.00
E-6	Cox Communications Conduit Run #1, #2, #3 and #4 (Two 4" Conduits)	2,628	FT	\$52.00	\$136,656.00	\$48.00	\$126,144.00	\$60.00	\$157,680.00
E-7	Sweeps and Risers in Conduit for the Cox Communications Pedestal, Cox to Provide and Install the Pedestal	1	LS	\$2,500.00	\$2,500.00	\$10,600.00	\$10,600.00	\$3,000.00	\$3,000.00
E-8	BEUD 600A Primary Junction Box, Box Provided by BEUD, Installed by Contractor	3	EA	\$750.00	\$2,250.00	\$1,850.00	\$5,550.00	\$1,100.00	\$3,300.00
E-9	BEUD Fiber Quazile Pull Box, Box Provided by BEUD, Installed by Contractor	4	EA	\$400.00	\$1,600.00	\$400.00	\$1,600.00	\$600.00	\$2,400.00
E-10	BEUD 200A Primary Junction Box, Box Provided by BEUD, Installed by Contractor	1	EA	\$500.00	\$500.00	\$900.00	\$900.00	\$1,100.00	\$1,100.00
E-11	BEUD 1-PH Transformer Pad, Pad Provided by BEUD, Installed by Contractor	2	EA	\$400.00	\$800.00	\$1,350.00	\$2,700.00	\$1,100.00	\$2,200.00
E-12	24-Inch Minimum Diameter Bored Steel Casing with Conduit Spacers and End Seals	325	FT	\$700.00	\$227,500.00	\$640.00	\$208,000.00	\$824.00	\$267,800.00
E-13	Asphalt Surface Restoration for Conduit Trench Area	15	SY	\$75.00	\$1,125.00	\$165.00	\$2,475.00	\$159.00	\$2,385.00
E-14	Asphalt Highway Restoration for Conduit Trench Area	880	SY	\$80.00	\$70,400.00	\$82.00	\$72,160.00	\$129.00	\$113,520.00
E-15	Concrete Surface Restoration for Conduit Trench Area	90	SY	\$60.00	\$5,400.00	\$60.00	\$5,400.00	\$104.00	\$9,360.00
E-16	Class 7 Base Trench Backfill for Conduit Trench Area	1,260	LF	\$25.00	\$31,500.00	\$25.50	\$32,130.00	\$12.00	\$15,120.00
Subtotal Phase 1 Bid, Conduits					\$657,419.00		\$697,949.00		\$931,065.00
Subtotal, Phase 1 & 2, Water & Sewer					\$2,807,638.00		\$3,090,645.40		\$3,299,651.00
TOTAL PHASE 1 & 2 BID					\$3,465,057.00		\$3,788,594.40		\$4,230,716.00

BID TABULATION (Page 3 of 8)
City of Bentonville
Bella Vista Bypass Water & Sewer Replacement
Bentonville, Arkansas
MCE Project #FY072128
January 30, 2014

PHASE 3 BID SCHEDULE
Description

Item #	Description	Qty.	Units	Rosetta Construction		Forsgren, Inc.		BRB Contractors	
				Unit Cost	Extended	Unit Cost	Extended	Unit Cost	Extended
3-1	Act 291, 1993 Trench & Excavation Safety System, Phase 3	1	LS	\$2,000.00	\$2,000.00	\$19,500.00	\$19,500.00	\$13,500.00	\$13,500.00
3-2	12-Inch Restrained Joint Ductile Iron Pipe Water Main	621	LF	\$69.00	\$42,849.00	\$87.00	\$54,027.00	\$149.00	\$92,529.00
3-3	6-Inch Ductile Iron Pipe Water Main	25	LF	\$50.00	\$1,250.00	\$66.00	\$1,650.00	\$131.00	\$3,275.00
3-4	12" x 12" Tapping Sleeve and Valve	2	EA	\$3,000.00	\$6,000.00	\$4,500.00	\$9,000.00	\$6,000.00	\$12,000.00
3-5	12" Gate Valve	2	EA	\$1,300.00	\$2,600.00	\$3,000.00	\$6,000.00	\$2,250.00	\$4,500.00
3-6	6" Gate Valve	2	EA	\$725.00	\$1,450.00	\$1,315.00	\$2,630.00	\$975.00	\$1,950.00
3-7	Fire Hydrant	2	EA	\$2,750.00	\$5,500.00	\$3,650.00	\$7,300.00	\$3,200.00	\$6,400.00
3-8	2-Inch Air Release Assembly Including Existing or New Main Tap	1	EA	\$2,600.00	\$2,600.00	\$3,100.00	\$3,100.00	\$2,525.00	\$2,525.00
3-9	Cut and Cap 12" Water Main	2	EA	\$500.00	\$1,000.00	\$3,200.00	\$6,400.00	\$900.00	\$1,800.00
3-10	24" Direct Bury Steel Casing	456	LF	\$80.00	\$36,480.00	\$125.00	\$57,000.00	\$90.00	\$41,040.00
3-11	Ductile Iron Fittings for Water Line	820	LB	\$4.00	\$3,280.00	\$9.25	\$7,585.00	\$17.00	\$13,940.00
3-12	Flowable Fill in Old 12-Inch Water Main	470	LF	\$10.00	\$4,700.00	\$19.00	\$8,930.00	\$7.00	\$3,290.00
3-13	30-Inch Restrained Joint Lined Ductile Iron Sewer Main	599	LF	\$279.00	\$167,121.00	\$315.00	\$188,685.00	\$372.00	\$222,828.00
3-14	30-Inch Lined Ductile Iron Sewer Main	330	LF	\$231.00	\$76,230.00	\$280.00	\$92,400.00	\$322.00	\$106,260.00
3-15	8-Inch PVC Sewer Main, SDR-26	564	LF	\$87.00	\$49,068.00	\$50.00	\$28,200.00	\$130.00	\$73,320.00
3-16	Sewer Manholes 5 Foot Diameter	4	EA	\$3,100.00	\$12,400.00	\$1,700.00	\$6,800.00	\$3,100.00	\$12,400.00
3-17	Sewer Manholes 4 Foot Diameter	1	EA	\$2,100.00	\$2,100.00	\$1,500.00	\$1,500.00	\$2,400.00	\$2,400.00
3-18	Extra Manhole Depth for 5 Foot Diameter	15	LF	\$160.00	\$2,400.00	\$145.00	\$2,175.00	\$250.00	\$3,750.00
3-19	Extra Manhole Depth for 4 Foot Diameter	5	LF	\$125.00	\$625.00	\$165.00	\$825.00	\$210.00	\$1,050.00
3-20	Abandon Manhole	5	EA	\$500.00	\$2,500.00	\$1,100.00	\$5,500.00	\$550.00	\$2,750.00
3-21	Plug Sewer at Manhole	3	EA	\$150.00	\$450.00	\$1,100.00	\$3,300.00	\$300.00	\$900.00
3-22	Connect to Existing Manhole	2	EA	\$1,000.00	\$2,000.00	\$1,600.00	\$3,200.00	\$400.00	\$800.00
3-23	Sewer Main Trenching and Backfilling, 0 to 10 Feet Deep for 30-Inch Sewer	789	LF	\$100.00	\$78,900.00	\$30.00	\$23,670.00	\$5.00	\$3,945.00
3-24	Sewer Main Trenching and Backfilling, 10 to 14 Feet Deep for 30-Inch Sewer	140	LF	\$140.00	\$19,600.00	\$35.00	\$4,900.00	\$10.00	\$1,400.00
3-25	Sewer Main Trenching and Backfilling, 0 to 10 Feet Deep for 8-Inch Sewer	400	LF	\$90.00	\$36,000.00	\$25.00	\$10,000.00	\$4.00	\$1,600.00
3-26	Sewer Main Trenching and Backfilling, 10 to 14 Feet Deep for 8-Inch Sewer	40	LF	\$130.00	\$5,200.00	\$30.00	\$1,200.00	\$8.00	\$320.00
3-27	Sewer Main Trenching and Backfilling, 14 to 18 Feet Deep for 8-Inch Sewer	124	LF	\$170.00	\$21,080.00	\$40.00	\$4,960.00	\$16.00	\$1,984.00
3-28	42" Direct Bury Casing	582	LF	\$200.00	\$116,400.00	\$270.00	\$157,140.00	\$205.00	\$119,310.00
3-29	Flowable Fill in Old 24-Inch Sewer	855	LF	\$22.00	\$18,810.00	\$19.00	\$16,245.00	\$13.25	\$11,328.75
3-30	Flowable Fill in Old 8-Inch Sewer	589	LF	\$7.00	\$4,123.00	\$16.00	\$9,424.00	\$6.00	\$3,534.00
3-31	Trench Stabilization Material	25	TON	\$20.00	\$500.00	\$37.00	\$925.00	\$24.00	\$600.00
3-32	Erosion Control, Phase 3	1	LS	\$2,000.00	\$2,000.00	\$3,200.00	\$3,200.00	\$16,000.00	\$16,000.00
Subtotal Phase 3					\$727,216.00		\$747,371.00		\$783,478.75

BID TABULATION (Page 4 of 8)
City of Bentonville
Bella Vista Bypass Water & Sewer Replacement
Bentonville, Arkansas
MCE Project #FY072128
January 30, 2014

PHASE 4 NON-REIMBURSABLE BID SCHEDULE
Description

Item #	Description	Qty.	Units	Rosetta Construction Unit Cost	Extended	Forsgren, Inc. Unit Cost	Extended	BRB Contractors Unit Cost	Extended
NR-1	Act 291, 1993 Trench & Excavation Safety System, Phase 4	1	LS	\$1,000.00	\$1,000.00	\$10,000.00	\$10,000.00	\$5,500.00	\$5,500.00
NR-2	12-Inch Restrained Joint Lined Ductile Iron Sewer Main	436	LF	\$138.00	\$60,168.00	\$115.00	\$50,140.00	\$179.00	\$78,044.00
NR-3	12-Inch PVC Sewer Main, SDR-26	170	LF	\$94.00	\$15,980.00	\$52.00	\$8,840.00	\$144.00	\$24,480.00
NR-4	8-Inch PVC Sewer Main, SDR-26	31	LF	\$87.00	\$2,697.00	\$70.00	\$2,170.00	\$134.00	\$4,154.00
NR-5	Sewer Manholes 4 Foot Diameter	4	EA	\$2,100.00	\$8,400.00	\$2,000.00	\$8,000.00	\$2,400.00	\$9,600.00
NR-6	Extra Manhole Depth for 4 Foot Diameter	15	LF	\$125.00	\$1,875.00	\$155.00	\$2,325.00	\$210.00	\$3,150.00
NR-7	Water Tight Bolt Down Manhole Ring and Lid	2	EA	\$250.00	\$500.00	\$500.00	\$1,000.00	\$425.00	\$850.00
NR-8	Abandon Manhole	8	EA	\$500.00	\$4,000.00	\$625.00	\$5,000.00	\$550.00	\$4,400.00
NR-9	Plug Sewer at Manhole	3	EA	\$150.00	\$450.00	\$1,050.00	\$3,150.00	\$300.00	\$900.00
NR-10	Sewer Main Trenching & Backfilling, 0 to 10 Feet Deep for 12 or 8-Inch Sewer	250	LF	\$90.00	\$22,500.00	\$10.00	\$2,500.00	\$4.00	\$1,000.00
NR-11	Sewer Main Trenching & Backfilling, 10 to 14 Feet Deep for 12 or 8-Inch Sewer	23	LF	\$130.00	\$2,990.00	\$15.00	\$345.00	\$8.00	\$184.00
NR-12	24-Inch Bored Steel Casing	364	LF	\$700.00	\$254,800.00	\$700.00	\$254,800.00	\$839.00	\$305,396.00
NR-13	24-Inch Direct Bury Steel Casing 0.50 Inch Casing Wall Thickness	120	LF	\$80.00	\$9,600.00	\$155.00	\$18,600.00	\$150.00	\$18,000.00
NR-14	Concrete Anchor Pier	3	EA	\$15,000.00	\$45,000.00	\$6,650.00	\$19,950.00	\$18,400.00	\$55,200.00
NR-15	Flowable Fill in Old 12-Inch Sewer	500	LF	\$10.00	\$5,000.00	\$7.65	\$3,825.00	\$7.00	\$3,500.00
NR-16	Flowable Fill in Old 8-Inch Sewer	260	LF	\$7.00	\$1,820.00	\$6.35	\$1,651.00	\$6.00	\$1,560.00
NR-17	Remove Existing Aerial Creek Crossing	1	LS	\$2,500.00	\$2,500.00	4600	\$4,600.00	\$2,500.00	\$2,500.00
NR-18	Rip Rap Restoration	20	CY	\$50.00	\$1,000.00	100	\$2,000.00	\$65.00	\$1,300.00
NR-19	Trench Stabilization Material	20	TON	\$20.00	\$400.00	24	\$480.00	\$34.00	\$680.00
NR-20	Erosion Control	1	LS	\$1,000.00	\$1,000.00	7200	\$7,200.00	\$7,000.00	\$7,000.00
Subtotal Phase 4				\$441,680.00		\$406,576.00		\$527,398.00	
TOTAL PHASE 1 & 2 BID				\$3,465,057.00		\$3,788,594.40		\$4,230,716.00	
SUBTOTAL PHASE 3				\$727,216.00		\$747,371.00		\$783,478.75	
SUBTOTAL PHASE 4				\$441,680.00		\$406,576.00		\$527,398.00	
TOTAL PHASE 1, 2, 3 & 4				\$4,633,953.00		\$4,942,541.40		\$5,541,592.75	

Signature: _____
Robert White, PE #4695
Date: 2/3/2014

PHASE 1 & 2 BID SCHEDULE, WATER & SEWER

Item #	Description	Qty.	Units	Carstensen		Goodwin & Goodwin	
				Unit Cost	Extended	Unit Cost	Extended
1	Act 291, 1993 Trench & Excavation Safety System, Phase 1 and 2, Water & Sewer	1	LS	\$54,500.00	\$54,500.00	\$800,000.00	\$800,000.00
2	18-Inch Ductile Iron Pipe Water Main	1,048	LF	\$230.50	\$241,564.00	\$90.00	\$94,320.00
3	18-Inch Restrained Joint Ductile Iron Pipe Water Main	1,230	LF	\$286.00	\$350,550.00	\$120.00	\$147,600.00
4	6-Inch Ductile Iron Pipe Water Main	20	LF	\$330.00	\$6,600.00	\$65.00	\$1,300.00
5	18" X 18" Tapping Sleeve and Valve	2	EA	\$21,800.00	\$43,600.00	\$28,000.00	\$56,000.00
6	18" Butterfly Valve	2	EA	\$10,600.00	\$21,200.00	\$15,000.00	\$30,000.00
7	6" Gate Valve	3	EA	\$1,120.00	\$3,360.00	\$1,800.00	\$5,400.00
8	Fire Hydrant	3	EA	\$3,750.00	\$11,250.00	\$3,500.00	\$10,500.00
9	2-Inch Air Release Assembly Including Existing or New Main Tap	3	EA	\$3,680.00	\$11,040.00	\$3,250.00	\$9,750.00
10	Cut and Cap 18" Water Main	2	EA	\$3,880.00	\$7,760.00	\$2,500.00	\$5,000.00
11	30" Direct Bury Steel Casing	473	LF	\$440.00	\$208,120.00	\$200.00	\$94,600.00
12	Ductile Iron Fittings for Water Line	4,600	LB	\$9.00	\$41,400.00	\$9.00	\$41,400.00
13	Concrete Anchor Collars	26	EA	\$1,490.00	\$38,740.00	\$3,200.00	\$83,200.00
14	Remove Existing Fire Hydrant	1	EA	\$656.00	\$656.00	\$800.00	\$800.00
15	24-Inch Lined Ductile Iron Force Main	181	LF	\$308.00	\$55,748.00	\$190.00	\$34,390.00
16	24-Inch Restrained Joint Lined Ductile Iron Force Main	1,993	LF	\$176.25	\$351,286.25	\$240.00	\$478,320.00
17	18-Inch PVC Sewer Main, SDR-26	203	LF	\$48.50	\$9,845.50	\$85.00	\$17,255.00
18	18-Inch Lined Ductile Iron Sewer Main	1,640	LF	\$117.30	\$192,372.00	\$150.00	\$246,000.00
19	18-Inch Restrained Joint Lined Ductile Iron Sewer Main	330	LF	\$126.45	\$41,728.50	\$200.00	\$66,000.00
20	Sewer Manholes 4 Foot Diameter	10	EA	\$5,500.00	\$55,000.00	\$3,000.00	\$30,000.00
21	Extra Manhole Depth for 4 Foot Diameter	70	LF	\$270.00	\$18,900.00	\$200.00	\$14,000.00
22	Abandon Manhole	9	EA	\$600.00	\$5,400.00	\$800.00	\$7,200.00
23	Plug Sewer at Manhole	2	EA	\$475.00	\$950.00	\$2,000.00	\$4,000.00
24	Remove Manhole	1	EA	\$5,930.00	\$5,930.00	\$1,000.00	\$1,000.00
25	Connect to Existing Manhole	1	EA	\$2,000.00	\$2,000.00	\$3,000.00	\$3,000.00
26	Sewer Main Trenching and Backfilling, 0 to 10 Feet Deep for 18-Inch Sewer	304	LF	\$147.90	\$44,961.60	\$150.00	\$45,600.00
27	Sewer Main Trenching and Backfilling, 10 to 14 Feet Deep for 18-Inch Sewer	809	LF	\$167.90	\$135,831.10	\$175.00	\$141,575.00
28	Sewer Main Trenching and Backfilling, 14 to 18 Feet Deep for 18-Inch Sewer	730	LF	\$211.50	\$154,395.00	\$200.00	\$146,000.00
29	36-Inch Bored Steel Casing	348	LF	\$902.00	\$313,896.00	\$1,100.00	\$382,800.00
30	36-Inch Direct Bury Steel Casing	1,372	LF	\$440.50	\$604,366.00	\$325.00	\$445,900.00
31	30-Inch Bored Steel Casing	330	LF	\$835.50	\$275,715.00	\$1,000.00	\$330,000.00
32	30-Inch Direct Bury Steel Casing	N/A	LF		\$0.00		\$0.00
33	Connect to Existing 24-Inch Force Main	2	EA	\$19,600.00	\$39,200.00	\$3,000.00	\$6,000.00
34	Force Main Trace Wire Access Ports	9	EA	\$315.00	\$2,835.00	\$300.00	\$2,700.00
35	Lined Ductile Iron Fittings for Force Main	5,200	LB	\$11.30	\$58,760.00	\$13.00	\$67,600.00
36	18-Inch x 4-Inch PVC Sewer Service Tap and Connection	1	EA	\$1,230.00	\$1,230.00	\$1,500.00	\$1,500.00
37	18-Inch x 4-Inch DIP Sewer Service Tap and Connection	1	EA	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00
38	4-Inch PVC Sewer Service Pipe	20	LF	\$302.50	\$6,050.00	\$25.00	\$500.00
39	TV Inspection of Existing 15" / 16" Gravity Sewer to be Abandoned and Replaced	2,134	LF	\$5.00	\$10,670.00	\$10.00	\$21,340.00
40	Flowable Fill in Old 24-Inch Force Main	2,180	LF	\$15.00	\$32,700.00	\$18.00	\$39,240.00

BID TABULATION (Page 6 of 8)
City of Bentonville
Bella Vista Bypass Water & Sewer Replacement
Bentonville, Arkansas
MCE Project #FY072128
January 30, 2014

PHASE 1 & 2 BID SCHEDULE, WATER & SEWER

Description

Item #	Description	Qty.	Units	Unit Cost	Carstensen Extended	Goodwin & Goodwin Unit Cost	Extended
41	Flowable Fill in Old 15-Inch and 16-Inch Sewer	2,134	LF	\$10.00	\$21,340.00	\$15.00	\$32,010.00
42	Asphalt Surface Restoration	40	SY	\$60.00	\$2,400.00	\$65.00	\$2,600.00
43	Asphalt Highway Restoration	2,500	SY	\$30.00	\$75,000.00	\$85.00	\$212,500.00
44	Concrete Surface Restoration	240	SY	\$72.00	\$17,280.00	\$85.00	\$20,400.00
45	Class 7 Base Trench Backfill for 24" Force Main and 18" Gravity Sewer	2,800	LF	\$26.00	\$72,800.00	\$85.00	\$238,000.00
46	Trench Stabilization Material	50	TON	\$54.00	\$2,700.00	\$15.00	\$750.00
47	Erosion Control, Phase 1 and 2	1	LS	\$10,500.00	\$10,500.00	\$20,000.00	\$20,000.00
Subtotal, Phase 1 & 2, Water & Sewer					\$3,664,109.95		\$4,439,550.00

PHASE 1 BID SCHEDULE, ELECTRICAL CONDUIT

Description

Item #	Description	Qty.	Units	Unit Cost	Carstensen Extended	Goodwin & Goodwin Unit Cost	Extended
E-1	Act 291, 1993 Trench & Excavation Safety System, Phase 1, Conduits	1	LS	\$39,250.00	\$39,250.00	\$225,000.00	\$225,000.00
E-2	Bentonville Electric Utility Dept., (BEUD) Conduit Run #1, #2, #3 and #4 (Two 6" Conduits, One 3" Conduit)	2,628	FT	\$211.50	\$555,822.00	\$35.00	\$91,980.00
E-3	BEUD Conduit Run #5 (One 4" Conduit)	201	FT	\$103.00	\$20,703.00	\$20.00	\$4,020.00
E-4	BEUD Conduit Run #6 (One 3" Conduit)	10	FT	\$160.00	\$1,600.00	\$20.00	\$200.00
E-5	BEUD Conduit Run #7 (One 4" and One 3" Conduits)	134	FT	\$194.00	\$25,996.00	\$20.00	\$2,680.00
E-6	Cox Communications Conduit Run #1, #2, #3 and #4 (Two 4" Conduits)	2,628	FT	\$84.00	\$220,752.00	\$32.00	\$84,096.00
E-7	Sweeps and Risers in Conduit for the Cox Communications Pedestal. Cox to Provide and Install the Pedestal	1	LS	\$5,700.00	\$5,700.00	\$5,000.00	\$5,000.00
E-8	BEUD 600A Primary Junction Box, Box Provided by BEUD. Installed by Contractor	3	EA	\$400.00	\$1,200.00	\$1,000.00	\$3,000.00
E-9	BEUD Fiber Quazite Pull Box, Box Provided by BEUD. Installed by Contractor	4	EA	\$400.00	\$1,600.00	\$1,000.00	\$4,000.00
E-10	BEUD 200A Primary Junction Box, Box Provided by BEUD. Installed by Contractor	1	EA	\$800.00	\$800.00	\$1,000.00	\$1,000.00
E-11	BEUD 1-PH Transformer Pad, Pad Provided by BEUD. Installed by Contractor	2	EA	\$550.00	\$1,100.00	\$1,000.00	\$2,000.00
E-12	24-Inch Minimum Diameter Bored Steel Casing with Conduit Spacers and End Seals	325	FT	\$720.30	\$234,097.50	\$1,000.00	\$325,000.00
E-13	Asphalt Surface Restoration for Conduit Trench Area	15	SY	\$60.00	\$900.00	\$65.00	\$975.00
E-14	Asphalt Highway Restoration for Conduit Trench Area	880	SY	\$30.00	\$26,400.00	\$85.00	\$74,800.00
E-15	Concrete Surface Restoration for Conduit Trench Area	90	SY	\$70.00	\$6,300.00	\$85.00	\$7,650.00
E-16	Class 7 Base Trench Backfill for Conduit Trench Area	1,260	LF	\$29.00	\$36,540.00	\$85.00	\$81,900.00
Subtotal Phase 1 Bid, Conduits					\$1,178,760.50		\$913,301.00
Subtotal, Phase 1 & 2, Water & Sewer					\$3,664,109.95		\$4,439,550.00
TOTAL PHASE 1 & 2 BID					\$4,842,870.45		\$5,352,851.00

BID TABULATION (Page 7 of 8)
City of Bentonville
Bella Vista Bypass Water & Sewer Replacement
Bentonville, Arkansas
MCE Project #FY072128
January 30, 2014

PHASE 3 BID SCHEDULE
Description

Item #	Description	Qty.	Units	Carstensen Unit Cost	Extended	Goodwin & Goodwin Unit Cost	Extended
3-1	Act 291, 1993 Trench & Excavation Safety System, Phase 3	1	LS	\$32,500.00	\$32,500.00	\$400,000.00	\$400,000.00
3-2	12-Inch Restrained Joint Ductile Iron Pipe Water Main	621	LF	\$89.00	\$55,269.00	\$85.00	\$52,785.00
3-3	6-Inch Ductile Iron Pipe Water Main	25	LF	\$143.50	\$3,587.50	\$65.00	\$1,625.00
3-4	12" x 12" Tapping Sleeve and Valve	2	EA	\$5,815.00	\$11,630.00	\$6,500.00	\$13,000.00
3-5	12" Gate Valve	2	EA	\$2,595.00	\$5,170.00	\$3,250.00	\$6,500.00
3-6	6" Gate Valve	2	EA	\$1,115.00	\$2,230.00	\$1,750.00	\$3,500.00
3-7	Fire Hydrant	2	EA	\$3,668.00	\$7,336.00	\$4,000.00	\$8,000.00
3-8	2-Inch Air Release Assembly Including Existing or New Main Tap	1	EA	\$3,700.00	\$3,700.00	\$3,250.00	\$3,250.00
3-9	Cut and Cap 12" Water Main	2	EA	\$1,222.00	\$2,444.00	\$2,000.00	\$4,000.00
3-10	24" Direct Bury Steel Casing	456	LF	\$352.50	\$160,740.00	\$150.00	\$68,400.00
3-11	Ductile Iron Fittings for Water Line	820	LB	\$7.35	\$6,027.00	\$8.00	\$6,560.00
3-12	Flowable Fill in Old 12-Inch Water Main	470	LF	\$6.15	\$2,890.50	\$10.00	\$4,700.00
3-13	30-Inch Restrained Joint Lined Ductile Iron Sewer Main	599	LF	\$234.25	\$140,315.75	\$325.00	\$194,675.00
3-14	30-Inch Lined Ductile Iron Sewer Main	330	LF	\$184.25	\$60,802.50	\$260.00	\$85,800.00
3-15	8-Inch PVC Sewer Main, SDR-26	564	LF	\$21.35	\$12,041.40	\$60.00	\$33,840.00
3-16	Sewer Manholes 5 Foot Diameter	4	EA	\$6,450.00	\$25,800.00	\$3,500.00	\$14,000.00
3-17	Sewer Manholes 4 Foot Diameter	1	EA	\$5,210.00	\$5,210.00	\$2,500.00	\$2,500.00
3-18	Extra Manhole Depth for 5 Foot Diameter	15	LF	\$322.00	\$4,830.00	\$350.00	\$5,250.00
3-19	Extra Manhole Depth for 4 Foot Diameter	5	LF	\$270.00	\$1,350.00	\$200.00	\$1,000.00
3-20	Abandon Manhole	5	EA	\$630.00	\$3,150.00	\$1,000.00	\$5,000.00
3-21	Plug Sewer at Manhole	3	EA	\$345.00	\$1,035.00	\$1,000.00	\$3,000.00
3-22	Connect to Existing Manhole	2	EA	\$15,830.00	\$31,660.00	\$2,000.00	\$4,000.00
3-23	Sewer Main Trenching and Backfilling, 0 to 10 Feet Deep for 30-Inch Sewer	789	LF	\$198.00	\$156,222.00	\$35.00	\$27,615.00
3-24	Sewer Main Trenching and Backfilling, 10 to 14 Feet Deep for 30-Inch Sewer	140	LF	\$266.50	\$37,310.00	\$85.00	\$11,900.00
3-25	Sewer Main Trenching and Backfilling, 0 to 10 Feet Deep for 8-Inch Sewer	400	LF	\$137.00	\$54,800.00	\$20.00	\$8,000.00
3-26	Sewer Main Trenching and Backfilling, 10 to 14 Feet Deep for 8-Inch Sewer	40	LF	\$168.50	\$6,740.00	\$45.00	\$1,800.00
3-27	Sewer Main Trenching and Backfilling, 14 to 18 Feet Deep for 8-Inch Sewer	124	LF	\$212.00	\$26,288.00	\$75.00	\$9,300.00
3-28	42" Direct Bury Casing	582	LF	\$571.00	\$332,322.00	\$300.00	\$174,600.00
3-29	Flowable Fill in Old 24-Inch Sewer	855	LF	\$15.00	\$12,825.00	\$18.00	\$15,390.00
3-30	Flowable Fill in Old 8-Inch Sewer	589	LF	\$5.00	\$2,945.00	\$5.00	\$2,945.00
3-31	Trench Stabilization Material	25	TON	\$46.00	\$1,150.00	\$15.00	\$375.00
3-32	Erosion Control, Phase 3	1	LS	\$10,500.00	\$10,500.00	\$8,000.00	\$8,000.00
Subtotal Phase 3					\$1,220,820.65		\$1,181,310.00

BID TABULATION (Page 8 of 8)
City of Bentonville
Bella Vista Bypass Water & Sewer Replacement
Bentonville, Arkansas
MCE Project #FY072128
January 30, 2014

PHASE 4 NON-REIMBURSABLE BID SCHEDULE
Description

Item #	Description	Qty.	Units	Unit Cost	Cardtensen Extended	Goodwin & Goodwin Unit Cost	Extended
NR-1	Act 291, 1993 Trench & Excavation Safety System, Phase 4	1	LS	\$25,200.00	\$25,200.00	\$125,000.00	\$125,000.00
NR-2	12-Inch Restrained Joint Lined Ductile Iron Sewer Main	436	LF	\$74.20	\$32,351.20	\$85.00	\$37,060.00
NR-3	12-Inch PVC Sewer Main, SDR-26	170	LF	\$17.50	\$2,975.00	\$60.00	\$10,200.00
NR-4	8-Inch PVC Sewer Main, SDR-26	31	LF	\$19.35	\$599.85	\$55.00	\$1,705.00
NR-5	Sewer Manholes 4 Foot Diameter	4	EA	\$5,775.00	\$23,100.00	\$2,500.00	\$10,000.00
NR-6	Extra Manhole Depth for 4 Foot Diameter	15	LF	\$270.00	\$4,050.00	\$200.00	\$3,000.00
NR-7	Water Tight Bolt Down Manhole Ring and Lid	2	EA	\$1,020.00	\$2,040.00	\$800.00	\$1,600.00
NR-8	Abandon Manhole	8	EA	\$7,750.00	\$62,000.00	\$1,000.00	\$8,000.00
NR-9	Plug Sewer at Manhole	3	EA	\$350.00	\$1,050.00	\$1,000.00	\$3,000.00
NR-10	Sewer Main Trenching & Backfilling, 0 to 10 Feet Deep for 12 or 8-Inch Sewer	250	LF	\$137.00	\$34,250.00	\$45.00	\$11,250.00
NR-11	Sewer Main Trenching & Backfilling, 10 to 14 Feet Deep for 12 or 8-Inch Sewer	23	LF	\$172.00	\$3,956.00	\$65.00	\$1,495.00
NR-12	24-Inch Bored Steel Casing	364	LF	\$797.50	\$290,290.00	\$1,000.00	\$364,000.00
NR-13	24-Inch Direct Bury Steel Casing 0.50 Inch Casing Wall Thickness	120	LF	\$370.50	\$44,460.00	\$250.00	\$30,000.00
NR-14	Concrete Anchor Pler	3	EA	\$2,400.00	\$7,200.00	\$17,000.00	\$51,000.00
NR-15	Flowable Fill in Old 12-Inch Sewer	500	LF	\$7.00	\$3,500.00	\$10.00	\$5,000.00
NR-16	Flowable Fill in Old 8-Inch Sewer	260	LF	\$5.00	\$1,300.00	\$8.00	\$2,080.00
NR-17	Remove Existing Aerial Creek Crossing	1	LS	\$2,000.00	\$2,000.00	\$6,000.00	\$6,000.00
NR-18	Rip Rap Restoration	20	CY	\$134.00	\$2,680.00	\$85.00	\$1,700.00
NR-19	Trench Stabilization Material	20	TON	\$37.50	\$750.00	\$15.00	\$300.00
NR-20	Erosion Control	1	LS	\$10,500.00	\$10,500.00	\$15,000.00	\$15,000.00
Subtotal Phase 4					\$554,252.05		\$687,390.00
TOTAL PHASE 1 & 2 BID					\$4,842,870.45		\$5,352,851.00
SUBTOTAL PHASE 3					\$1,220,820.65		\$1,181,310.00
SUBTOTAL PHASE 4					\$554,252.05		\$687,390.00
TOTAL PHASE 1, 2, 3 & 4					\$6,617,943.15		\$7,221,551.00

Signature:  Robert White, PE #4695
Date: 2/3/2014



CHECK ALL THAT APPLY	
	Bid Award
X	Budget Adjustment
	Change Order
	Informational
	Ordinance
	Resolution
	Other

AGENDA FORM

CITY COUNCIL MEETING OF:

February 25, 2014

Submitted by: Mike Bender

Department: Public Works Director

Phone: 271-6720

ACTION REQUIRED:

Council approval of a budget adjustment to award construction bid for Water, Sewer and Electric Utility Relocations associated with AHTD's Bella Vista Bypass Project to Rosetta Construction in an amount of \$4,633,953.00. Funds are from Wastewater funded depreciation, Electric Department funds, and AHTD reimbursement.

COST TO CITY:

Cost of this Request: \$4,633,953

Additional Budget Amount: \$4,633,953

☒ One time amount

☐ Continuing O and M

Previously Budgeted	\$ -
Funds Expended to Date	-
Remaining Budget	-
Budget Adjustment	4,633,953
Remaining After Adjustment	\$ 4,633,953

Department Head: [Signature] Date: 2/18/14

Purchasing Agent: [Signature] Date: [Signature]

Finance Director: [Signature] Date: 2/20/14

Staff Attorney: CT Date: 2/20/14

Mayor: [Signature] Date: 2/20/14

This form must be turned into the Mayor's office 7 days prior to the scheduled City Council meeting.

117 WEST CENTRAL AVENUE * BENTONVILLE, AR 72712

www.bentonvillear.com



PLEASE RECYCLE



Memo



To: City Council, Mayor McCaslin

From: Mike Bender *MB*

CC:

Date: February 14, 2014

Re: Bid Award to Rosetta Construction and associated budget adjustment.
Arkansas State Highway Commission Relocation Agreement for Bella Vista
Bypass Utility Relocation

The City entered into an agreement with AHTD in 2007 to perform preliminary engineering services for water, sanitary sewer, and electric utility relocations affected by AHTD's Bella Vista Bypass Project. The City entered into an agreement with AHTD in 2012 to proceed with final engineering, bidding and construction of utility relocations associated with the Bella Vista Bypass project. Five bids were received January 30, 2014 with Rosetta Construction, LLC being the low bidder with a total bid of \$4,633,953.00. Of this total, \$1,369,820.00 (38.75%) qualifies for reimbursement from AHTD. Electric and a large portion of sewer do not qualify for reimbursement as they are located within the existing AHTD right-of-way. Electric conduit, funded by the Electric Department, consists of \$657,419.00 and is included in this project to simplify construction coordination. Non-reimbursable sewer portions of the project total \$2,606,714.00. These totals may change based on final construction costs.

This is not a budgeted project and will require a budget adjustment which reflects the breakdown described above.

Thank you for your consideration of this request



BUDGET ADJUSTMENT REQUEST FORM

Budget Adjustment #
(Assigned by Admin)

Department: Sewer

Date of Request: February 14, 2014

Acct Number	Account Name	Revenue + (-)	Expense + (-)	Fund Balance + (-)
050-3040-390.91-99	Funded Depreciation	\$2,606,714.00		\$ 2,606,714.00
050-3010-434.73-13	Electric Underground Primary Construct	\$ 657,419.00		\$ 657,419.00
	AHTD Reimbursement	\$ 1,369,820.00		\$ 1,369,820.00
050-3040-436.73-41	Sewer Line Improvements		\$ 4,633,953.00	\$ (4,633,953.00)
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
	Totals	\$ 4,633,953.00	\$ 4,633,953.00	\$ -

Justification:

This budget adjustment covers the contract with Rosetta Construction for the City's responsibility per the agreement signed with Arkansas State Highway Commission (AHTD) in 2012 to relocate water, sewer, and electric utilities as a result of AHTD's Bella Vista Bypass project. This is not a budgeted project. At the time Council considered the agreement with AHTD, it was determined that funded depreciation would be used to fund the City's sewer portion. This adjustment also considers reimbursement from AHTD.

FOR ACCOUNTING USE ONLY

Council Action: ☐ Approved ☐ Disapproved ☐ Other _____

Date: _____ Date entered: _____ By: _____

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www.bentonvillear.com



PLEASE RECYCLE





CHECK ALL THAT APPLY	
	Bid Award
	Budget Adjustment
	Change Order
	Informational
X	Ordinance
	Resolution
	Other

AGENDA FORM

CITY COUNCIL MEETING OF:

February 25, 2014

Submitted by: Travis Matlock

Department: Electric

Phone: 271-3135

ACTION REQUIRED:

Staff recommends to the Mayor and City Council to adopt an ordinance revising the Bentonville Electric Utility Department construction specifications to be used by developers and contractors performing electric utility work within the City of Bentonville.

COST TO CITY:

Cost of this Request:

Additional Budget Amount

☐ One time amount

☐ Continuing O and M

Previously Budgeted	\$
Funds Expended to Date	
Remaining Budget	-
Budget Adjustment	-
Remaining After Adjustment	\$ -

Department Head 2/14/14
Date

Purchasing Agent
Date

Finance Director 2/20/14
Date

Staff Attorney 2/20/14
Date

Mayor 2/20/14
Date

This form must be turned into the Mayor's office 7 days prior to the scheduled City Council meeting.

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www.bentonvillear.com



PLEASE RECYCLE



M E M O R A N D U M

DATE: February 14, 2014

TO: **City Council, Mayor McCaslin**

FROM: Travis Matlock, Engineering Director

RE: Council Approval of BEUD Electric Specifications

The City Of Bentonville recommends to the City Council approval of the Bentonville Electric Utility Department Electric Specifications. The purpose of these specifications is to standardize electric construction and address any developer/contractor/electrician questions that may arise during the development process.

The Specifications are divided into three sections, Part I covers private developments (i.e. subdivision or Large Scale Developments), Part II covers the service guidelines (i.e. metering requirements), and Part III covers the details that apply to both sections.

Part I is just being updated from the Council approved document dated November 27, 2012. The minor updates are items such as defining electric terms, clarifying where BEUD's responsibility ends and developer's responsibility begin. Part II expounds on what use to be Section 11 of the previous council approved document. Part III is a combination of all the details the affect electric construction.

The specifications were sent to the Home Builders Associations, handed out to electricians picking up permits, and kept at City Hall for review in order to give the public a chance to review and submit comments. BEUD received a few minor comments and those changes were incorporated into the updated documents.



BEUD ELECTRIC SPECIFICATIONS

**ELECTRIC DEPARTMENT
CONSTRUCTION OFFICE
608 Southeast Third Street
Bentonville, AR 72712**

**REVISED
2/11/14**

PART I



BEUD CONSTRUCTION SPECIFICATIONS

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BEUD CONSTRUCTION SPECIFICATIONS

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BEUD CONSTRUCTION SPECIFICATIONS

SECTION 1 GENERAL INFORMATION

- 1.1 The intent of this publication is to simplify and expedite the process of electric utility construction within the jurisdiction of the City of Bentonville. This publication specifically applies, but is not limited to “Subdivision” and “Large Scale Development”. All rules and regulations set forth by the National Electric Code shall be the minimum standard of all construction and development practices to be approved by the Bentonville Electric Utility Department. In such case as the standard specifications herein set forth exceeds the National Electric Code, this document as approved by the City Council of Bentonville, Arkansas shall govern.
- 1.2 These general and detailed specifications shall govern the handling and installation of conduit and appurtenances for the City of Bentonville Electric Utility Department. Specifications stipulate general requirements for the preparation of reports, plans, specifications, methods of construction, inspection, testing, and final approval of any proposed electric distribution that is within the jurisdiction of Bentonville Electric Utility Department. Any requested deviation from the specifications herein set forth, shall be reviewed on a case by case basis by the BEUD and approved or denied by written authorization of the DIRECTOR.
- 1.3 Special conditions may arise on projects that are not covered in these specifications or that may require special handling. In case of such special conditions, complete detail as to materials, method of construction or other procedures shall be submitted to the Bentonville Electric Utility Department for review and approval. Standard construction details are incorporated and made a part of the specifications and shall become a part of the standard requirements for electric distribution. The standard details are included in these appendices at the back of these specifications. Where reference is made to a particular industry specification (ASTM, etc) it is hereby understood that reference is made to the latest specification revision in effect.
- 1.4 These specifications are intended to set forth minimum standards of quality for the construction of electric distribution systems which are to be accepted by the Bentonville Electric Utility Department. These specifications do not replace the ENGINEER’S specifications and contract documents; however, construction of all electric distribution systems must meet these standards of quality as a minimum. The Bentonville Electric Utility Department shall not be responsible nor shall it bear any liability for CONTRACTOR’S means, methods, techniques, sequences or procedures of construction, or the safety precautions and programs incident thereto, nor shall the Bentonville Electric Utility Department be responsible for any actions resulting from direction of the project by a City of Bentonville ENGINEER/INSPECTOR. The Bentonville Electric Utility Department shall not be responsible for the acts or omissions of the CONTRACTOR, Sub-Contractor, supplier, or of any other person or organization performing or furnishing any of the work. Nothing contained in these



BEUD CONSTRUCTION SPECIFICATIONS

specifications shall be construed as an endorsement or warranty by the Bentonville Electric Utility Department of any product, material, or workmanship. The Bentonville Electric Utility Department shall not be responsible nor shall it bear any liability for the durability of any material or method of construction. Material used on any project shall be warranted against defects and workmanship by responsible CONTRACTOR for one calendar year from date of acceptance.

SECTION 2 DEFINITIONS AND ABBREVIATIONS

- 2.1 BEUD: Refers to the Bentonville Electric Utility Department, under the jurisdiction of the Bentonville City Council, hereinafter referred to as "BEUD"; having full and complete authority to manage, operate, improve, extend and maintain the City electric distribution system.
- 2.2 CITY ENGINEER: City of Bentonville Engineer.
- 2.3 DIRECTOR: City of Bentonville Engineering Director
- 2.4 DEVELOPER: Industrial partnership, corporation, or other legal entity such as an improvement district, desiring to construct water and/or sanitary sewer facilities for immediate or contemplated future inclusion in the city system.
- 2.5 ENGINEER: Individual registered to practice Engineering in the State of Arkansas who is responsible for the preparation of reports, plans, specifications and inspection of the work herein approved.
- 2.6 CONTRACTOR: The person, firm or corporation with whom the DEVELOPER has entered into an agreement to construct the water and/or sewer improvements.
- 2.7 CITY INSPECTOR: City of Bentonville Engineering Department Inspector responsible for inspection and notification of proposed reconstruction or alterations and inspections involving the City of Bentonville's electric distribution system.
- 2.8 NORMAL WORK SCHEDULE: The City of Bentonville's normal work schedule is Monday through Friday 7:30 AM to 4:00 PM except HOLIDAYS.
- 2.9 HOLIDAYS: New Year's Day, Martin Luther King Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Friday following Thanksgiving Day, Christmas Eve and Christmas Day.
- 2.10 SECONDARY: Conduit that is placed from transformer to secondary junction box.
- 2.11 SERVICE: Conduit that is place from BEUD's device to a meter panel or service connection point.



BEUD CONSTRUCTION SPECIFICATIONS

- 2.11 TERMS: "As specified" shall mean as specified by the BEUD in plans, proposals, specifications, and other written instructions.
- 2.11.1 The term "or equal" shall mean that the proposed material or item shall perform adequately the duties imposed by the general design and is of the same or equal design, substance and junction to that specified by using the name of a product, manufacturer, or vendor. Use of the term "equal" shall mean any party proposing to substitute an "equal" shall obtain an approval from the BEUD. The BEUD shall make final approval of such items or materials judged to be "equal".
- 2.11.2 The term "these specifications" shall refer to the "BEUD Construction Specifications", latest revision, written by the BEUD. It is the responsibility of the CONTRACTOR, ENGINEER, DEVELOPER or OWNER, etc. to obtain copies and to comply with the latest revision of these specifications.
- 2.12 Abbreviations used throughout these specifications have meanings as follows:
- ASTM.....American Society for Testing and Materials
ANSI.....American National Standards Institute
OSHAOccupational Safety and Health Administration

SECTION 3 PLANS AND SPECIFICATIONS

- 3.1 This section covers the requirements for submittal of plans and specifications to the BEUD in order to obtain approval for the construction and development of future electric extensions.
- 3.2 The BEUD strongly suggests that the ENGINEER submit proposals to the BEUD prior to formal submittal to the PLANNING DEPARTMENT.
- 3.3 No electric system extensions and/or modifications may be approved for connection to the City of Bentonville's electric distribution prior to approval of construction plans and specifications by the BEUD or which was not constructed in accordance with said approved plans and specifications. Construction plans and specifications shall conform to the requirements herein. The submission of construction plans for approval shall be accompanied by a statement or letter from the ENGINEER stating that materials and workmanship will be in accordance with these specifications and standard details.
- 3.4 All plans shall be drawn to a scale suitable for adequately showing the facilities proposed, except as stipulated herein. All drawings shall be on **24" X 36" sheets**.



BEUD CONSTRUCTION SPECIFICATIONS

All elevations shall be based on mean sea level. An overall project map shall be a minimum 24" X 36" and shall depict the entire project and show all proposed conduit and structures. A vicinity map at a scale of **1" = 2,000'** shall be furnished indicating the location of the project in relation to arterial streets and major highways. Reduced size drawings may be allowed for inspection purposes after all approvals have been obtained.

- 3.5 Along with the plans, an AutoCAD file of the Utility Plan must be submitted to the BEUD. If the development is a "Subdivision", the BEUD will proceed with a design of the required electrical facilities necessary to serve the development. If the development is a "Large Scale Development", the BEUD will require information about the service size amperage and voltage rating in order to complete the design and choose a transformer and meter size. **DS 1401**
- 3.6 Any changes from the approved construction plans and specifications shall only be authorized in writing by the CITY ENGINEER and/or DIRECTOR or authorized representative of the BEUD prior to the start of construction. After a proposal is accepted by the BEUD, any deviations to accepted plans shall cause re-submittal to the BEUD. If construction of the electric distribution system is in progress at the time of plan changes, the BEUD reserves the right to halt construction until approval has been obtained.
- 3.7 Request for deviation or relief from any of the provisions of these specifications shall be submitted in writing to the DIRECTOR. The DIRECTOR may grant a variance if not in conflict with the spirit and intent of the specifications.
- 3.8 If request for deviation has been submitted, the requested party shall not proceed with any construction or installation of assemblies without the written permission of all applicable approving authorities.
- 3.9 As a minimum, design and layout shall meet the scale requirements referred to above in **Section 3.4**. In addition, the following principals shall be adhered to when submitting any utility proposal:
 - 3.9.1 All proposed conduit, transformers, junction boxes, street lights and other appurtenances are to be clearly represented on the plans.
 - 3.9.2 Designated utility design sheets shall be void of contour lines or symbology that conflicts with plan review by the BEUD.

3.10 LOCATION OF BEUD FACILITIES

- 3.10.1 If the development is a "Subdivision", all BEUD facilities will be located on the front lot line and will be placed 18' from back of curb unless otherwise specified. All



BEUD CONSTRUCTION SPECIFICATIONS

risers, transformers, junction boxes will be located on the lot lines and per the BEUD layout. Street lights will be placed at every intersection and per BEUD layout. All conduit sizes will be per the BEUD layout. **DS 1402**

- 3.10.2 All facilities shall be located within a Utility Easement. The easement shall be a minimum 20' in width. DEVELOPER is responsible for coordinating with the other City of Bentonville departments for location of other city utilities.
- 3.10.3 If the development is a "Large Scale Development", the ENGINEER will coordinate with the BEUD for the conduit size, location of the transformer, and meter requirements/location.

3.11 PLAN APPROVAL

- 3.11.1 Construction plans shall be furnished to the following offices:

(a) Bentonville Engineering Department who will distribute to:

- (1) Bentonville Electric Utility Department
- (2) Bentonville Water Utilities Department
- (3) Bentonville Street Department
- (4) Bentonville Wastewater Department
- (5) Bentonville Fire Department

(b) Bentonville Planning Department

- 3.11.2 These proposals shall meet approval by all officials before construction can begin. Prior to construction, the responsible ENGINEER will be required to schedule a pre-construction meeting with the ENGINEERING DEPARTMENT. The CONTRACTOR and/or SUB-CONTRACTORS must attend this meeting. A minimum of **ten (10)** sets of plans will be required for construction approval during the pre-construction meeting. The CITY ENGINEER shall be notified in writing of change in CONTRACTOR, additional pre-con will be required.

3.12 PREPARATION OF PLANS

- 3.12.1 All plans, specifications and construction procedures shall conform to the standards as established by the BEUD. All plans and specifications shall be prepared under the supervision of a professional ENGINEER registered in the State of Arkansas. The ENGINEER'S seal and signature shall be affixed to the plans before BEUD approval.



BEUD CONSTRUCTION SPECIFICATIONS

SECTION 4 INSPECTION

- 4.1 This section covers the requirements of inspection for the construction of electric distribution facilities for both “Subdivisions” and “Large Scale Developments”.
- 4.2 The Responsible ENGINEER who prepared and submitted the construction plans and specifications shall be responsible for construction layout, general direction, resident inspection and final inspection as described in more detail in the following sections. Continuous project responsibility shall be an express condition of plan approval. The ENGINEER’S responsibility shall extend through final inspection approval.
- 4.3 All electric distribution facilities proposed shall be constructed by a licensed utility CONTRACTOR with the correct classification and inspected by the responsible ENGINEER as defined under definitions. Inspection shall consist of, but not be limited to, periodic visits to the construction site to observe the progress and quality of the executed work to determine if the work is proceeding in accordance with the approved plans and specifications and with the standards set forth by the BEUD. Any defects, deficiencies or irregularities in the work found by the ENGINEER or by the RESIDENT INSPECTOR shall be reported to the CITY INSPECTOR. Such action, as deemed appropriate, and as approved by the DIRECTOR, shall be taken to correct such deficiencies. All work performed, shall at all times be subject to general inspection by the DIRECTOR or representative. The frequency of visits and the number of hours required for the BEUD personnel shall be governed by the quality of inspection being performed by the ENGINEER and RESIDENT INSPECTOR.
- 4.4 If deemed necessary by the DIRECTOR to insure conformance with the approved plans and specifications, full time resident inspection may be required during all or part of the project and shall be performed by qualified personnel under the direct supervision of the ENGINEER. The name(s) of the RESIDENT INSPECTOR shall be furnished to the BEUD; any changes shall be submitted to the BEUD in writing with all contact information included. It shall be the responsibility of the RESIDENT INSPECTOR to safeguard the BEUD’S interest by checking the construction work for compliance with the approved plans, specifications and other standards. The responsible ENGINEER shall provide an inspector for each location within a project that would use more than one conduit laying crew (e.g. two conduit laying crews on two different sites, two inspectors, one for each site). The CITY INSPECTOR or BEUD representative and the RESIDENT INSPECTOR shall witness all test procedures. The RESIDENT INSPECTOR shall provide a documented report of results, conditions, and time of test to the BEUD for its use and approval. If the CONTRACTOR intends to work outside of the normal work schedule or on a holiday, the RESIDENT INSPECTOR shall be required to be on the job site at all times. **See Section 2.**



BEUD CONSTRUCTION SPECIFICATIONS

- 4.5 CONTRACTOR shall call for an inspection of primary and secondary trench to ensure proper depth and bedding is placed. CONTRACTOR shall notify ENGINEERING DEPARTMENT 24 hrs prior to schedule the inspection.
- 4.6 Any defects, deficiencies or irregularities shall be reported to the ENGINEER. A job diary shall be kept, outlining all aspects of the construction project and shall be made available to the BEUD upon request.

SECTION 5 FINAL INSPECTION PROCEDURES

- 5.1 Before acceptance of new construction involving electric distribution systems, a physical sight inspection will be scheduled by the CITY ENGINEER referred to as a "Final Inspection".
- 5.2 If the development is a "Subdivision", all lot corners shall be in place and witnessed by a survey marker. Said marker shall bear the number of the respective lot it represents. If lot lines do not coordinate with newly constructed utilities, it shall be the DEVELOPER'S responsibility to make the appropriate adjustments. If said situation exists at time of final inspection, approval shall be withheld until lot lines and utility locations coordinate.
- 5.3 CONTRACTOR shall notify BEUD a minimum of 30 days before electric facilities are required in order for BEUD to coordinate the work. If sufficient time is not given to BEUD, installation of electric facilities may be delayed.
- 5.4 BEUD will deliver the required number of single phase transformer pads to the job site that the contractor will be responsible for installing. Transformer pads must be level and compacted as to prevent settling of equipment. Conduit shall be stubbed up in the block out in the transformer pad and extend three feet (3') above finished grade and capped (but not glued) off. Only conduit caps will be allowed (NO DUCT TAPE).
- 5.5 Junction box sleeves and switchgear vaults will be installed by the CONTRACTOR at the location shown on the layout per BEUD.
- 5.6 Street light foundations shall be located per the BEUD layout, level, and the 2" conduit shall be located in the center of the anchor bolt circle. Anchor bolt pattern and orientation per BEUD standard detail. DEVELOPER shall pay for their portion of the street lights before final inspection is accepted.



BEUD CONSTRUCTION SPECIFICATIONS

SECTION 6 DELINEATION OF RESPONSIBILITIES

- 6.1 This section covers the delineation of responsibilities between the DEVELOPER and BEUD during the construction process.
- 6.2 CONTRACTOR shall be responsible for area at all times prior to acceptance by City. CONTRACTOR shall take all precautions to prevent damage to the existing electrical distribution system by activities of other trades and utilities.
- 6.3 CONTRACTOR is also responsible for any materials that are delivered to job site by BEUD. Once materials are signed for by the CONTRACTOR, they become the responsibility of the CONTRACTOR. BEUD is not responsible for any theft or vandalism of material once delivered.
- 6.4 If the development is a "Subdivision" the DEVELOPER is responsible for the following:
- Trench, provide, and install all conduit runs (primary, secondary, and streetlight)
 - Prepare dirt pad and install prefabricated concrete pads for single phase transformers (provided by BEUD)
 - Install secondary pedestals (provided by BEUD)
 - Install JB Comcast sleeves for any primary junction boxes (provided by BEUD)
 - Prepare earth pad and pour concrete pad for any three phase transformers
 - Provide and install vault for any switchgear
 - Provide stub outs a minimum of 5' from transformers and secondary pedestals to future lots (marked with t post painted red)
 - Provide streetlight foundations with anchor bolts, nuts, washers, and any associated streetlight conduit
 - Provide 4-mil polyethylene, 3" wide detectable warning tape, red with black lettering, imprinted with "Caution-Buried Electric Cable Below" above conduits
 - A marking stake for a ground rod is required for all padmount devices (transformers, junction boxes, switchgear).
 - Cost of switchgears, junction boxes and DEVELOPER portion of street lights
- 6.5 It is the CONTRACTOR'S responsibility and imperative that all devices be installed at final grade. If device is not installed at final grade, final approval will NOT be given and the CONTRACTOR shall be responsible for correcting all substandard installments.
- 6.6 If the development is a "Subdivision" BEUD is responsible for the following:
- BEUD will design the layout of the development (conduit location and size, device location, street light location, etc.) during the preliminary plat process



BEUD CONSTRUCTION SPECIFICATIONS

- BEUD will deliver all equipment to the job site that the DEVELOPER is responsible for installing
 - Once development has been inspected and accepted by BEUD and approved by CITY COUNCIL, BEUD will install wire and devices and energize equipment.
 - BEUD will install street lights once they have been paid for by DEVELOPER (street lights must be paid for before CITY COUNCIL approval)
- 6.7 If the development is a "Large Scale Development" the DEVELOPER is responsible for the following:
- All items applicable to "Subdivision", **See section 6.4.**
 - Metering installations. Type of meter will be coordinated during the Large Scale Development Submittal Process
 - DEVELOPER shall pay for 100% of the required street lights
- 6.8 If the development is a "Large Scale Development" BEUD is responsible for the following:
- All items applicable to "Subdivision", **See section 6.5.**
 - Meter installations. Type of meter will be coordinated during Large Scale Development Submittal Process
 - BEUD will install street lights once they have been paid for by DEVELOPER (street lights must be paid for before LSD FINAL ACCEPTANCE)

SECTION 7 GENERAL REGULATIONS FOR CONSTRUCTION PURPOSES

- 7.1 This section outlines minimum construction procedures and standards for the installation of electric distribution systems.

7.2 UNDERGROUND UTILITY NOTIFICATION

- 7.2.1 It is the CONTRACTORS responsibility to notify "**Arkansas One-Call**" (811) two days in advance of any excavation. Location of utility requests for surveying purposes will be charged to the requesting party. A notice of at least 2 working days (normal work schedule) should be expected before locates are performed by the BEUD.

7.3 ELECTRIC OUTAGES

- 7.3.1 In the event that the CONTRACTOR must have the electric out of service, the CONTRACTOR shall notify the BEUD of impending loss of service at least 24 hours in advance. All shutdowns shall be coordinated and scheduled by the BEUD.



BEUD CONSTRUCTION SPECIFICATIONS

Notifying customers will be accomplished by means of approved door hanger notices supplied by the BEUD, however it is the CONTRACTORS responsibility to notify the customers.

7.4 TRENCH DEWATERING

- 7.4.1 The CONTRACTOR shall install dewatering systems as necessary that will be required to construct the proposed utilities in a manner that will prevent groundwater contamination. Must meet current City of Bentonville Storm Water Regulations.

7.5 LOCATION, ALIGNMENT AND GRADE

- 7.5.1 The conduit, junction boxes, switchgears, transformers, street lights and other appurtenances shall be constructed to conform to the location, line size, material, and grades specified or as shown on the Plans.
- 7.5.2 Horizontal and vertical control points will be established along or adjacent to the construction area. It shall be the responsibility of the CONTRACTOR to make necessary measurements from these control points in order to maintain the proper alignment and grade of the structures. The CONTRACTOR shall preserve all stakes and markers established by the ENGINEER.

7.6 PUBLIC TRAVEL

- 7.6.1 The CONTRACTOR shall plan and execute the work to assure minimal interference with normal flow of traffic and pedestrians.
- 7.6.2 The CONTRACTOR shall be responsible for making provisions for the safe and free passage of persons and vehicles over or around the construction site, both during and after working hours. Such provisions shall be satisfactory with the BEUD, State, County or local authority having jurisdiction within the area of work.
- 7.6.3 The CONTRACTOR shall notify applicable State, County or local authority before closing or obstructing any public highway, street or road. When state highways that are within the City of Bentonville are to be blocked or obstructed, the CONTRACTOR shall obtain an approved barricade plan from the authority having jurisdiction so that any traffic can be maintained over any construction work in a public highway, street or road. If traffic cannot be maintained on the alignment of the original roadbed or pavement, the CONTRACTOR shall maintain a detour around the construction area. Such detours shall be satisfactory with the BEUD, State, County or local authority.
- 7.6.4 The CONTRACTOR shall provide and maintain necessary barricades, signs, lights, personal safety equipment, and markers around the construction area to avoid any



BEUD CONSTRUCTION SPECIFICATIONS

property damage or personal injury. The CONTRACTOR shall also provide qualified flagmen to direct traffic while working upon a highway, street or road over which traffic must pass.

- 7.6.5 Excavated areas within the traffic lanes of highways, streets or roads and pedestrian walkways shall be backfilled and compacted with SB2 immediately following conduit installation and the area opened to traffic. Repairs shall be made according to current City of Bentonville street specifications.
- 7.6.6 The CONTRACTOR shall make the same provisions as described in **Section 7.6.2** for the passage of vehicular and pedestrian traffic between private property and public highways, streets and roads or other provisions that are satisfactory to the BEUD and the property owners involved.

7.7 SURFACE & SUBSURFACE STRUCTURES LOCATION AND PROTECTION

- 7.7.1 The BEUD does not guarantee the accuracy or correctness of locations of subsurface structures. It shall be the responsibility of the CONTRACTOR to satisfy himself as to the actual location and nature of subsurface structures.
- 7.7.2 The CONTRACTOR shall make necessary exploratory excavations to determine the location of underground structures such as pipes, drains, conduits, and other structures. The CONTRACTOR shall be responsible for contacting the respective utility of such structures before excavating in the vicinity of these structures and shall be guided by their instructions.
- 7.7.3 The CONTRACTOR shall provide adequate protection and support for all surface and subsurface structures or other facilities encountered during the progress of the work. Whenever such structures or facilities are in the same location as the proposed conduit or appurtenances thereto, the CONTRACTOR shall relocate or reconstruct or cause to be relocated or reconstructed, the structure or facility to the satisfaction of the BEUD and utility facility owner. Whenever requested by the BEUD or utility owner, the CONTRACTOR shall provide drawings and other plans for supporting or otherwise safeguarding surface and subsurface structures or other facilities which, in the opinion of the BEUD, or utility or facility owner, may be damaged as a result of the CONTRACTOR'S work.
- 7.7.4 The CONTRACTOR shall not stop or impede the flow in any pipe, sewer, surface or subsurface drain without making provisions for diverting the flow to the satisfaction of the BEUD.
- 7.7.5 If any utility facility or structure is damaged during the progress of the work, the CONTRACTOR shall immediately notify the appropriate owner. Repairs shall not be



BEUD CONSTRUCTION SPECIFICATIONS

made by the CONTRACTOR without the prior approval of the utility facility or structure owner. The CONTRACTOR shall pay utility owners for the cost of repairing, relocating or replacing any facilities damaged by the CONTRACTOR. In addition, the CONTRACTOR shall provide all assistance available to the utility involved in making repairs under emergency conditions.

- 7.7.6 The CONTRACTOR shall not open any BEUD device.
- 7.7.7 All existing transformers, junction boxes, services, and appurtenances shall be blocked or tied in such manner so as to prevent displacement before excavating around these appurtenances.

7.8 PROTECTION OF VEGETATION

- 7.8.1 The CONTRACTOR shall not remove or disturb any vegetation except that required for the execution of the work.
- 7.8.2 Unless otherwise specified in these specifications or in the plans, the CONTRACTOR shall replace all sod, shrubs, bushes, trees, and flowers disturbed or removed, that are located upon improved or landscaped public and private property. The CONTRACTOR shall replant vegetation and re-landscape or cause such to be performed throughout the work area as soon as possible after the water lines and appurtenances have been installed. All vegetation damaged during or after removal shall be replaced with healthy vegetation of the same kind or type. All plants shall be replanted in the original location. The CONTRACTOR shall maintain all such replanted vegetation by the application of water, fertilizers and topsoil. The vegetation shall be cultivated to prohibit the growth of foreign vegetation until a "well developed" root system has been established and transplanted vegetation has overcome the "shock" resulting from transplanting. If any vegetation dies or becomes unhealthy, it shall be replaced by the CONTRACTOR. The contour of the ground shall be left as near the original contour as possible.
- 7.8.3 The CONTRACTOR shall stabilize all areas where ground surface has been disturbed by electric distribution construction activities to as good or better condition. The BEUD shall approve the method of stabilization.

7.9 EXCAVATION AND PREPARATION OF TRENCH

- 7.9.1 The CITY INSPECTOR and "Arkansas One-Call System" shall be contacted before excavation shall begin.
- 7.9.2 All trench excavation side walls greater than 5' in depth shall be sloped, shored, sheeted, braced or otherwise supported by means of sufficient strength to protect the



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workers within them in accordance with the applicable rules and regulations established for construction by OSHA.

- 7.9.3 The trench shall be excavated to the alignment and grade specified and only so far in advance of the conduit placement as the BEUD shall permit. Trenches along public streets or roads shall be limited to 300' or less, or as permitted by the governmental authority having jurisdiction. The BEUD may reduce this limit in congested areas.
- 7.9.4 All trenches shall be backfilled immediately after proper installation of the conduit, warning tape, embedment, and appurtenances.
- 7.9.5 The trench width may vary and depend upon the depth and the nature of the excavated material encountered. The trench shall be of ample width to permit the conduit to be laid and connected properly and the backfill to be placed and compacted properly. The minimum width of non-sheeted trench shall be at least 1' greater than the nominal diameter of the conduit. Boulders, large stones, and other rock formation shall be removed to provide a clearance of at least 6" on each side of conduit.
- 7.9.6 The bottom of the trench shall be prepared so as to provide a uniform and continuous bearing and support for the conduit on solid undisturbed or compacted soil. The trench shall be excavated to at least the depth specified as follows beyond the specified grade when the following described conditions exist:
 - 7.9.6.1 When the bottom of the trench is at sub-grade and is found to be unstable or includes ashes, cinders, refuse, other organic material, or large pieces of inorganic material, that, in the judgment of the BEUD, should be removed, the CONTRACTOR shall remove all such material to the extent required by the BEUD.
 - 7.9.6.2 When the excavation is carried below or beyond that specified or required due to conditions described in **Section 7.9.6.1**, the CONTRACTOR shall backfill the trench to the proper grade with approved backfill material specified by the BEUD, unless permitted by the BEUD to install the lines and appurtenances at the undercut grade. The backfill shall be accomplished in accordance with that specified by the DEPARTMENT or elsewhere herein.
- 7.9.7 The use of trench-digging machinery will be permitted except in places where operations of same will cause damage to trees, buildings, or other existing structures above or below the ground; in which case hand methods shall be employed.
- 7.9.8 Blasting for excavation will be permitted only after the CONTRACTOR secures the approval of the Fire Department and BEUD, and only when proper precautions are taken for the protection of persons and property. The Fire Department will approve the hours of blasting. Any damage caused by blasting shall be repaired by the CONTRACTOR at their expense. The method of transporting, handling, and storage of



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explosives and blasting procedure shall conform to Federal Regulations, local and state laws, municipal ordinances and shall be approved by the Fire Department in advance.

- 7.9.9 The CONTRACTOR shall comply with all federal, state and local laws or ordinances with respect to obtaining permits, the deposit of bonds, and all other provisions of such laws and ordinances.
- 7.9.10 In order to prevent caving when excavating in sand, gravel, sandy soil, or other unstable material the trench shall be adequately sheeted and braced. Where sheeting and bracing is used, the trench width may be increased accordingly. Trench sheeting shall remain in place until the conduit has been laid and jointed. Where slides or cave-ins occur, the CONTRACTOR shall, at his expense, provide proper bedding and support for the conduit to maintain line and grade.
- 7.9.11 All excavated material stored on the job site shall be stockpiled in a manner which will avoid blocking driveways, streets or sidewalks, and will not endanger workers, pedestrians or travelers. Gutters shall be kept clear or other satisfactory provisions shall be made for street drainage. If local conditions permit their re-use, all surface materials suitable for re-use in restoring the surface shall be kept separate from the general excavation material. Excess material and debris shall be removed promptly.
- 7.9.12 The CONTRACTOR shall remove the minimum amount of street, driveway, sidewalk, parking lot, or other pavement required to permit installation of the lines or appurtenances as approved and scheduled with the BEUD. The City of Bentonville Street Department shall require a saw cut for all pavement surfaces in straight lines before removal by the CONTRACTOR.
- 7.9.13 The CONTRACTOR shall maintain all temporary surfaces in good condition until permanent repairs are complete.

7.10 BORING REGULATIONS AND PROCEDURES

- 7.10.1 The CONTRACTOR shall inspect the location where encasement structures are to be installed and become familiarized with the conditions under which the work will be performed and with all necessary details as to the orderly prosecution of the work. The omission of any details in the Plans and Specifications for the satisfactory installation of the work in its entirety, which may not appear herein, shall not relieve the CONTRACTOR of full responsibility.
- 7.10.2 The CONTRACTOR shall satisfy themselves of soil conditions by means they deem necessary; i.e., exploratory boring or exploratory pit excavations at tunnel ends. All such exploratory work shall be done in such a manner as to not jeopardize highway or railroad fill, and shall be satisfactorily backfilled and restored.



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- 7.10.3 The size structure as shown on the Plans is considered as the "minimum acceptable size". If the CONTRACTOR deems that it would be to his advantage to install a larger structure, he may do so subject to the approval of the BEUD.
- 7.10.4 Encasement structures shall be installed at the grades and alignment shown on the Plans. Deviation shall be permitted only on approval of the BEUD.
- 7.10.5 When indicated by drawings and specifications, all street, road and highway crossings for water or sewer mains installed by the jacking and boring methods shall be in accordance with AHTD standards. Permits for all bores shall be obtained through the BEUD. Refer to permits and licenses **Section 3**.
- 7.10.6 Excavation of approach pits and trenches within right-of-way of street, road or highway shall be of sufficient distance from paving to permit traffic to pass without interference. Tamp backfill for approach pits and trenches within right-of-way in layers not greater than 6" thick for entire length and depth of trench or pit. Compact backfill to 95% of maximum density obtained at optimum moisture as determined by **AASHTO T 180-57, Method A**. Mechanical tampers may be used after cover of 12" to 18" has been obtained over top of conduit.
- 7.10.7 All holes bored shall be bored to proper alignment and grade to within 2" of same diameter as largest outside joint diameter of conduit installed. All conduits shall be installed immediately after a bore has been completed. In no instance shall a bore hole be left open while unattended.
- 7.10.8 In the event subsurface operations or any other construction operation results in failure or damage to pavement or any other City of Bentonville utility appurtenance, the CONTRACTOR shall repair or replace disturbed or broken area or utility appurtenance at no cost to the City of Bentonville.
- 7.10.9 Steel casing welds shall be full penetration single butt-welds in accordance with **AWWA C-205 and AWS D7-0-62**.

7.11 WORK PERFORMED BY BEUD

- 7.11.1 See **Section 6** for the delineation of work performed by the CONTRACTOR and work performed by BEUD.
- 7.11.2 If damage occurs to the existing electric distribution systems during construction, the BEUD, with its labor forces, will make all repairs to these systems. The CONTRACTOR shall be responsible for reimbursing BEUD for the cost of labor, equipment, materials and overhead.



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- 7.11.3 If the BEUD assists the CONTRACTOR for any reason, the CONTRACTOR shall pay for the cost of this assistance, based on the cost of labor, equipment, materials and overhead.

7.12 CONFINED SPACES

- 7.12.1 The CONTRACTOR'S attention is called to the requirements for entry into confined spaces as defined by the Current Edition of the **OSHA Standard for Permit Required Confined Spaces, 29 CFR 1910, and Subpart J, which is specifically incorporated herein by reference.**
- 7.12.2 CONTRACTOR'S responsibilities for entry into any Permit Required Confined Space are:
- (a) CONTRACTOR shall obtain from BEUD any available information regarding any hazards of entry operations for a Permit Required Confined Space.
 - (b) When both BEUD and CONTRACTOR'S personnel are to work in or near a Permit Required Confined Space, CONTRACTOR shall coordinate such work with BEUD (as required in **29 CFR 1910, Subpart J**).
 - (c) CONTRACTOR shall inform BEUD of type of Permit Required Confined Space Program used by his employees.
 - (d) CONTRACTOR shall inform BEUD of any hazards confronted or created in a Permit Required Confined Space.
 - (e) CONTRACTOR is responsible for having knowledge of and complying with all requirements of **29 CFR 1910, Subpart J**.

7.13 PUBLIC EMPLOYEES RIGHT TO KNOW ACT

- 7.13.1 The CONTRACTOR'S attention is called to the requirements of the **Hazard Communication Standard adopted by OSHA in 29 CFR 1910.1200 and State of Arkansas Act 556 of 1991, Ark. Code Ann. Sec 8-7-1101 et. Seq.: Public Employees Chemical Right to Know Act.**
- 7.13.2 The CONTRACTOR shall provide to the BEUD a list of all hazardous chemicals and a copy of appropriate Material Safety Data Sheet (MSDS) brought onto property. This information shall be supplied to the BEUD prior to any work being started.
- 7.13.3 The BEUD will provide the CONTRACTOR a list of hazardous chemicals at any City of Bentonville facility where work is being performed. The location and MSDS



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information prior to work being started will be provided. The CONTRACTOR will be responsible for disseminating the information to its employees.

- 7.13.4 The CONTRACTOR is reminded that other obligations are imposed upon employers by the above Standard and Act.

7.14 CLEAN-UP OF JOB SITES

- 7.14.1 The CONTRACTOR shall remove all materials, equipment, tools, temporary structures, barricades, trees and other vegetation that have been cut or have died as a result of the work from both public and private property along the job site. There shall be no burning on the job site unless approved, in advance, by the Fire Department.

SECTION 8 GENERAL INSTALLATION INFORMATION AND PROCEDURES

- 8.1 The purpose of this specification is to outline the minimum requirements for the installation electric distribution systems.

8.2 CONDUIT EMBEDMENT

- 8.2.1 This section covers materials used for embedment of Primary and Secondary Conduit. Unless otherwise specified herein or shown on the plans, embedment materials shall be restricted to **Class #67** type bedding. Installation of bedding shall be 4" under conduit and 6" over conduit unless in rocky conditions then bedding shall be 6" under and 6" over conduit. CONTRACTORS must provide proof of material to match required specifications.

8.3 COMPACTION

- 8.3.1 All conduit backfill shall be placed in layers of appropriate thickness and compacted using a mechanical, hydraulically-powered vibratory trench compactor or other equivalent equipment. All trench backfill (except under paved areas) shall be compacted to 95% (minimum) standard proctor density of that of the adjacent undisturbed soil. Trench backfill is subject to density test as deemed necessary. In areas where the trench crosses a street, parking lot or driveway, the material shall be compacted as specified in **Section 7.3.2** to a minimum of 95% of that of the adjacent soils.
- 8.3.2 SB-2 crushed stone trench backfill where required shall be compacted to **95% modified proctor density (ASTM D1557-78)**. A minimum of one compaction test per crossing is required.



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- 8.3.3 Ditch line compaction shall follow immediately after trench backfill. Topsoil shall be placed and shaped leaving the ditch line slightly rounded above existing grade.

SECTION 9 ELECTRIC DISTRIBUTION SYSTEM GENERAL INFORMATION

- 9.2.1 All trenching shall comply with local and state regulations.
- 9.2.2 All primary conduit runs shall have a minimum of 48" of cover from the top of conduit to final grade. All secondary and streetlight conduits shall have a minimum of 24" of cover from the top of conduit to final grade. **DS 1403 & 1404**
- 9.2.3 4-mil polyethylene, 3" wide detectable warning tape, red with black lettering, imprinted with "Caution – Buried Electric Cable Below" shall be placed 18" above primary conduit and 12" above secondary conduit.
- 9.2.4 In any case where the depth of the trench will exceed 48" in depth, approval shall be obtained from BEUD in writing before continuing.
- 9.2.5 Trench shall be excavated at the location indicated on BEUD's approved electrical design drawing(s). In certain instances, BEUD may choose to stake the trench location at the site.
- 9.2.6 BEUD will not accept responsibility for any trenching done prior to obtaining BEUD's approved electric design drawing(s) and/or field indication of the trench location.
- 9.2.7 The DEVELOPER must notify BEUD of the schedule for trenching and backfilling to coordinate cable installation by BEUD.
- 9.2.8 Transformers shall be located in accordance with applicable insurance regulations and fire codes. **DS 1410**

SECTION 10 ELECTRIC DISTRIBUTION MATERIALS

- 10.1 These material specifications are intended to set a standard of quality and design for all materials used in the construction of electric distribution and appurtenances. Materials shall be of types listed in these specifications. Materials not specifically authorized in these specifications are forbidden for use in the system unless prior approval is obtained in writing from the DIRECTOR.



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10.2 CONDUIT

- 10.2.1 Developer shall provide and install the conduit in accordance with the layout provided on BEUD's approved electrical layout drawings. Any changes to the layout must be approved by DIRECTOR in writing prior to installation.
- 10.2.2 The size and number of conduits shall be specified on the layout drawings. All conduits shall be furnished and installed by the CONTRACTOR. Additional conduits may be required for the occupancy of the other utilities.
- 10.2.3 All conduit runs shall be schedule 40, electrical grade, rigid PVC, non metallic and of standard trade size (2", 3", 4", 5" or 6").
- 10.2.4 Primary conduit elbows must be long sweep 48" radius sweep minimum for 4" conduit and a 60" radius sweep for 5" and 6" conduit. All secondary conduit elbows shall be long sweep, 36" sweep minimum.
- 10.2.5 Conduit shall be run in a straight and level path. There shall be no abrupt changes in conduit direction, (elevation or sideways) except for bends at pad mounted equipment and for turning-out service lateral conduits to lots or as required per the electric layout. Spacers shall be used where necessary to maintain direction, plumb or spacing of conduit.
- 10.2.6 All joints are to be cemented and both ends of the run are to be capped (but not glued) with industry approved cap (NO DUCT TAPE) to ensure the conduit remains clean and dry. The ends shall be marked at a point above final grade with a t-post painted red.
- 10.2.7 A 1,250-lb mule tape shall be installed by the CONTRACTOR for BEUD use in the 5" and 6" conduit runs 600 ft and over. Mule tape shall be secured on each end of the run. CONTRACTOR shall correct any failure of the mule tape.
- 10.2.6 CONTRACTOR shall pull a mandrel through each conduit to check and clear blockage and leave an approved pull rope in each conduit. Mandrel shall be furnished by CONTRACTOR.
- 10.2.7 All primary conduits and stub-ups shall be identified with red spray paint before backfill of ditches and stub-ups shall be 90° to the ground.

10.3 SINGLE PHASE TRANSFORMER PADS LESS THAN 100 KVA

- 10.3.1 BEUD will deliver the required number of single phase transformer pads to the job site to be installed by the CONTRACTOR. Pads will be shipped to one location



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designated by CONTRACTOR, not each transformer location, and CONTRACTOR shall assist in unloading of the pads. Pads will be delivered within 5 working days from notification to BEUD.

- 10.3.2 Soil (or Class 67 bedding) beneath transformer pad shall be properly compacted to prevent settling of equipment. CONTRACTOR is responsible for ensuring level pads are prepared.
- 10.3.3 Transformer pad opening shall face house. From the house side, primary conduit shall be stubbed up in the opening on the right hand side and secondary conduit shall be stubbed up in the opening on the left hand side. Conduits shall extend three feet (3') above finished earth grade and capped (but not glued) off to prevent debris from entering conduit. Only approved conduit caps will be allowed (NO DUCT TAPE).
DS 1405 & 1406
- 10.3.4 CONTRACTOR shall stub out secondary conduits a minimum of 5' from transformer in the direction of future structure. Conduits shall be marked below grade with a red t-post. Refer to Sec. 11.5.3
- 10.3.5 BEUD will provide and install transformer and associated wiring / terminations.

10.4 SINGLE PHASE TRANSFORMER PADS 100 KVA AND LARGER

- 10.4.1 BEUD will deliver the required number of single phase transformer pads to the job site to be installed by the CONTRACTOR. Pads will be shipped to one location designated by CONTRACTOR, not each transformer location. Pads will be delivered within 5 working days from notification to BEUD
- 10.4.2 Soil (or Class 67 bedding) beneath transformer pad shall be properly compacted to prevent settling of equipment. CONTRACTOR is responsible for ensuring level pads are prepared.
- 10.4.3 Transformer pad opening shall face house. From house side, primary conduit shall be stubbed up in the opening on the right hand side and secondary conduit shall be stubbed up in the opening on the left hand side. Conduits shall extend three feet (3') above finished earth grade and capped (but not glued) off to prevent debris from entering conduit. Only approved conduit caps will be allowed (NO DUCT TAPE).
DS 1405 & 1407
- 10.4.4 There shall be a 72" x 44" clear work area on the access side of the transformer.
- 10.4.5 BEUD will provide and install transformer and associated wiring / terminations.



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10.5 45-1000 kVA THREE PHASE TRANSFORMER PADS

- 10.5.1 CONTRACTOR shall supply an 84" x 96" x 8" thick reinforced concrete pad with a 54" x 18" opening.
- 10.5.2 Soil (or Class 67 bedding) beneath transformer pad shall be properly compacted to prevent settling of equipment. CONTRACTOR is responsible for ensuring level pads are prepared.
- 10.5.3 All concrete forms and related conduits must be inspected prior to pouring. CONTRACTOR shall call ENGINEERING DEPARTMENT 24 hours in advance to schedule an inspection.
- 10.5.4 Concrete pad must be a slick finish. A broom finish will not be accepted.
- 10.5.5 Primary conduit shall be stubbed up in the opening on the primary side and secondary conduit shall be stubbed up in the opening on the secondary side (compartments are not equal size). Conduits shall extend three feet (3') above finished earth grade and capped (but not glued) off to prevent debris from entering conduit. Only industry approved conduit caps will be allowed (NO DUCT TAPE). **DS 1408**
- 10.5.6 CONTRACTOR shall provide a 4/0 stranded copper ground grid placed 12" below finished grade, with two (2) 8' ground rods with clamps. **DS 1408**
- 10.5.7 CONTRACTOR shall provide a 12" long #4 rebar stubout in the terminal compartment.
- 10.5.8 All forms or lifting eyes, inside and out, are required to be removed upon completion.
- 10.5.9 Finish grade shall be 5" below the top of the transformer pad and graded away from the pad.
- 10.5.10 There shall be a 72" x 84" clear work area on the access side of the transformer.
- 10.5.11 BEUD will provide and install transformer and associated wiring / terminations. If CT Metered, see Metering Section for delineation of responsibilities.

10.6 1500-2500 kVA THREE PHASE TRANSFORMER PADS

- 10.6.1 CONTRACTOR shall supply an 84" x 96" x 8" thick reinforced concrete pad with a 54" x 18" opening.



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- 10.6.2 Soil (or Class 67 bedding) beneath transformer pad shall be properly compacted under to prevent settling of equipment. CONTRACTOR is responsible for ensuring level pads are prepared.
- 10.6.3 All concrete forms and related conduits must be inspected prior to pouring. CONTRACTOR shall call ENGINEERING DEPARTMENT 24 hours in advance to schedule an inspection.
- 10.6.4 Concrete pad must be a slick finish. A broom finish will not be accepted.
- 10.6.5 Primary conduit shall be stubbed up in the opening on the primary side and secondary conduit shall be stubbed up in the opening on the secondary side (compartments are not equal size). Conduits shall extend three feet (3') above finished earth grade and capped (but not glued) off to prevent debris from entering conduit. Only approved conduit caps will be allowed (NO DUCT TAPE). **DS 1409**
- 10.6.6 CONTRACTOR shall provide a 12" long #4 rebar stubout in the terminal compartment.
- 10.6.7 CONTRACTOR shall provide a 4/0 stranded copper ground grid placed 12" below finished grade, with two (2) 8' ground rods with clamps. **DS 1409**
- 10.6.8 All forms or lifting eyes are required to be removed upon completion.
- 10.6.9 Finish grade shall be 5" below the top of the transformer pad and graded away from the pad.
- 10.6.10 There shall be a 72" x 84" clear work area on the access side of the transformer.
- 10.6.11 BEUD will provide and install transformer and associated wiring / terminations. If CT Metered, see Metering Section for delineation of responsibilities.

10.7 SWITCHGEAR VAULTS

- 10.7.1 CONTRACTOR shall provide a 116" x 76" x 72" deep reinforced concrete box, with a 126" x 86" x 12" deep (with a 90" x 50" opening centered in the footing) reinforced footing. Footing shall be reinforced with #4 @ 12" each way.
- 10.7.2 Class 67 bedding shall extend from the bottom of vault holes (to support the conduit entering the vault) to 12" below concrete footing.
- 10.7.3 CONTRACTOR shall install sealant between foot and bottom section of vault as well as between top and bottom section of vault to help prevent moisture from entering vault.



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- 10.7.4 Finished grade shall be 6" below the top of the vault and the surrounding area must be graded to drain away from the vault.
- 10.7.5 Vault holes shall be 8" diameter and arranged per **DS 1421**. Developer shall install industry approved plugs in unused conduit holes.

10.8 JUNCTION BOX SLEEVES

- 10.8.1 All primary junction boxes, single phase or three phase, require a Comcast sleeve to be installed under the equipment. **DS 1411 - 1413**
- 10.8.2 BEUD will deliver the required number of junction box sleeves to the job site to be installed by the CONTRACTOR. Sleeves will be delivered within 5 working days from notification to BEUD.
- 10.8.3 Location of the concrete sleeves shall be placed per BEUD's approved electrical layout.
- 10.8.4 Finished grade shall be 3" below the top of the vault and the surrounding area must be graded to drain away from the vault.
- 10.8.5 There shall be a 72" x 78" clear work area on the access side of the junction box.
- 10.8.6 BEUD will provide and install junction boxes and associated wiring / terminations.

10.9 SECONDARY PEDESTALS

- 10.9.1 BEUD will deliver the required number of secondary pedestals to the job site to be installed by the CONTRACTOR. Pedestals will be delivered within 5 working days from notification to BEUD. **DS 1414**
- 10.9.2 Pedestals shall be buried to a depth of 17" from the base of the pedestal.
- 10.9.3 Conduit shall be cut off 3" above floor grade of secondary pedestal, or 12" below ground level to allow room for training wire to terminal blocks of pedestal.
- 10.9.4 BEUD will be responsible to cover any temporary service wires with dirt so that no hot wires are on the ground.
- 10.9.5 Backfill around secondary pedestal may be native soil, but must not contain any rocks greater than 4" in diameter. Bottom of hole must be filled with 3" of Class 67 stone.



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- 10.9.6 CONTRACTOR shall stub out secondary conduits a minimum of 5' from pedestal in the direction of future structures. Conduit shall be marked below grade with a red t-post. See Sec. 11.5.3

10.10 STREET LIGHT FOUNDATIONS

- 10.10.1 CONTRACTOR will install streetlight foundations according to the BEUD's approved electrical design layout.
- 10.10.1 If the development requires "Residential Street Lights", the foundations shall meet the following requirements:
- Streetlights will be placed at most intersections, at mid-block, and where specified by BEUD, not to exceed 400 lf between lights.
 - Street lights will be placed in the center of the 5-foot green space, or 30" behind back of curb on lot line.
 - Street light foundation shall be 24" diameter x 30" deep, with the top 2" extending above grade, and reinforced with 6x6x10 wire mesh.
 - Anchor bolts shall be L-type, 24" long by 3/4" diameter and hot-dipped galvanized steel and supplied by CONTRACTOR. Anchor bolts shall have an 11.5" bolt circle and be centered on the foundation.
 - Street light conduit shall be 2" in diameter, centered in the foundation and extend 2" beyond concrete.
- 10.10.2 Per the street light ordinance approved January 13, 2004, DEVELOPER shall select street lights and poles from selection provided by BEUD. Currently there are four luminaires and four pole styles to choose from. All luminaires provided are 100 Watt High Pressure Sodium. Refer to the Residential Street Lighting Program documents available on the city's website at http://www.bentonvillear.com/docs/electric/res_lighting.pdf **DS 1415**
- 10.10.3 If the development requires "Commercial Street Lights", the foundations shall meet the following requirements:
- Street lights will be placed at most intersections, and where specified by BEUD.
 - Street lights will be placed in the center of the 5-foot green space, or 30" behind back of curb on lot line.
 - Street light foundation shall be 30" diameter x 60" deep, with the top 2" extending above grade, and reinforced with (18) #5 longitudinal rebar equally spaced, and #4 rebar ties.
 - Anchor bolts shall be L-type, 24" long by 3/4" diameter and hot-dipped galvanized steel and supplied by CONTRACTOR. Anchor bolts shall have a 17" bolt circle and be centered on the foundation.



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- Street light conduit shall be 2" in diameter, centered in the foundation and extend 2" beyond concrete.
- 10.10.4 Per the street light ordinance approved January 13, 2004, Developer shall select street lights and poles from selection provided by BEUD. Developments **not on state highway frontage** will use a standard commercial luminaire on 22' decorative pole on one side of the road. Developments **on state highway frontage** will use the same standard luminaire and decorative 22' pole, however the spacing will be per BEUD design on **both** sides of street/highway. All commercial luminaires provided are 250 Watt High Pressure Sodium. Refer to the Commercial Street Lighting Program documents available on the city's website at http://www.bentonvillear.com/docs/electric/com_lighting.pdf **DS 1416**
- 10.10.5 In cases where BEUD deems that it is not possible to install the 22' decorative poles due to clearance issues with existing overhead powerlines, the City will provide a cobra head fixture on a wood pole at no cost to the developer.
- 10.10.6 Any exceptions, alterations or variances to the street light standards and specs must be pre-approved by DIRECTOR.
- 10.11 CONCRETE STANDARDS**
- 10.11.1 All concrete shall be 3,500 psi at 28 days. 1:2:4 mixture with 6 gal. max water content per sack of cement.
- 10.11.2 Portland Cement conforming to **ASTM C150, Type 1**, shall be used unless BEUD approves the use of other types.
- 10.11.3 Water used shall be clean and free from injurious amounts of oil, acids, alkalis, salt, organic matter, or other deleterious substances.
- 10.11.4 Fine aggregate shall consist of clean, sound, properly graded sand conforming to **ASTM Standard C33 uniformly graded from 100% passing the 3/8" sieve to not more than 8% passing the Number 100 sieve.**
- 10.11.5 Coarse aggregate shall consist of crushed stone, gravel, or other inert material of similar characteristics, having clean, hard, strong, durable, uncoated particles with not more than 5% by weight of soft fragments, ¼% by weight of clay lumps, and 1% by weight of material removed by decantation, except that when the material removed by decantation consists essentially of crushed dirt the maximum amount permitted may be increased to 1 ½% by weight. Aggregate shall conform to **ASTM Standard D289**. Coarse aggregate may be either of two sizes, 1 ½" and smaller or ¾" and smaller.



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- 10.11.6 Reinforcing shall be #4 at 12" each way, with a 12" #4 stubout in the terminal compartment for grounding.
- 10.11.7 Top of foundation to be a minimum 3" above finished grade and troweled to a slick finish. A broom finish will NOT be allowed.
- 10.11.8 All forms shall be removed before electric items are placed.
- 10.11.9 BEUD shall require one (1) test cylinder per transformer pad for 1500-2500 kVA transformers. An independent laboratory shall conduct compression test. Specimen shall be prepared and cured in accordance with **ASTM Standard C31**. Specimens shall be tested in accordance with **ASTM Standard C39**.

PART II



BEUD SERVICE GUIDELINES

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BEUD SERVICE GUIDELINES

SECTION 20 GENERAL INFORMATION

20.1 GENERAL NOTES

- 20.1.1 Where conflicts exist between this document and other applicable codes, the more stringent document shall apply.
- 20.1.2 Bentonville Electric Utilities Department will be referred to as BEUD throughout the remainder of this document.
- 20.1.3 Bentonville Building Inspections Department will be referred to as BI throughout the remainder of this document.
- 20.1.4 CONTRACTOR and CUSTOMER shall be interpreted as being interchangeable throughout the remainder of this document.
- 20.1.5 Contact Information for relevant departments / individuals:
 - a. BEUD – (479) 271-3135
 - b. BI – (479) 271-3126
 - c. Warehouse – (479) 271-3145
 - d. New Service Coordinator – (479) 271-3139
- 20.1.6 All work to be in accordance with latest version of National Electric Code and all City of Bentonville codes.
- 20.1.7 Before beginning any underground work in the City of Bentonville, contact Arkansas One Call at 811 for locates of existing underground utilities.
- 20.1.8 All work to be inspected and approved by BI (479-271-3126). BEUD will not set a temporary or permanent meter without the proper paper work and green sticker.
- 20.1.9 If service fails inspection, a red sticker will be applied to indicate need for re-inspection.
- 20.1.10 Contact New Service Coordinator at 479-271-3139 to set up an on-site meeting prior to beginning work for any work on a service not located in a residential subdivision. Examples of this scenario would include:
 - a. Where service will be coming from an overhead single phase transformer.
 - b. For any single phase service coming off of a 120/208V 3-phase transformer bank.
 - c. For any multi-unit building that will require more than one meter
- 20.1.11 For any new residential service that is not part of a subdivision, or any service upgrade, BEUD requires CONTRACTOR to complete and submit an electrical load data sheet prior to on site meetings or discussions. Electric load data sheet can be downloaded from the website (www.bentonvillear.com) or by contacting the New Service Coordinator.



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- 20.1.12 A licensed electrician shall perform all work.
- 20.1.13 The minimum service size that BEUD will allow is 100A.

20.2 GROUNDING

- 20.2.1 All non-current carrying metallic parts to be effectively grounded.
- 20.2.2 CUSTOMER to furnish and install two (2) 5/8" x 8" driven ground rods, copper or copper clad in two (2) locations per NEC 250.53(A)(2).
- 20.2.3 Upper ends of ground rods shall be located below grade, but must be accessible for inspection. Ground rods shall be covered after inspection.
- 20.2.4 Ground rods shall be installed a maximum of 18" away from building veneer.
- 20.2.5 Connections to ground rods shall be made with 5/8" copper ground rod clamps.
- 20.2.6 Ground rods to be connected by solid copper wire buried a maximum of 6" above base of footer.
- 20.2.7 Grounding conductor must be installed in conduit from meter to ground level.
- 20.2.8 Supply minimum grounding conductors from service to ground rod as follows:
 - a. 100A service requires #6 solid copper ground wire.
 - b. 200A service requires #6 solid copper ground wire.
 - c. 320-400A service requires #4 solid copper ground wire.
 - d. 600A service requires #2 solid copper ground wire.
 - e. CT Metered service requires #6 solid copper ground wire.

20.3 TRENCH

- 20.3.1 All primary conduit runs shall have a minimum of 48" of cover from the top of conduit to final grade.
- 20.3.2 All service conduits shall have a minimum of 24" of cover from the top of conduit to final grade.
- 20.3.3 Provide 4-mil polyethylene, 3" wide warning tape, red with black lettering, imprinted with "Caution-Buried Electric Cable Below" placed 18" above primary conduit and 12" above secondary conduit.



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- 20.3.4 BEUD will not accept responsibility for any trenching done prior to obtaining BEUD's approval of the trench location.
- 20.3.5 Minimum width of any trench for primary conduit shall be 12"
- 20.3.6 With BEUD approval, if the terrain is rock, the minimum depth can be reduced to sixteen (16) inches with six (6) inches of concrete cover. Any concrete used as backfill must be dyed red, and trench must be inspected by BI before pouring.

20.4 CONDUIT

- 20.4.1 All conduit installed above grade as part of the service entrance must be schedule 80. All other conduit shall be schedule 40.
- 20.4.2 CONTRACTOR to provide and install all conduits from meter base to BEUD source point.
- 20.4.3 CONTRACTOR shall NOT install conduit to a pole until a standoff is installed by BEUD.
- 20.4.4 CONTRACTOR will provide conduit based on the following table:

<u>Service Size</u>	<u>Conduit Size Provided by CONTRACTOR</u>	<u>Wire Size Provided by BEUD</u>
100A*	2"	1/0 AL
200A	3"	4/0 AL
200A (more than 2 sweeps)	4"	4/0 AL
320A	4"	350 MCM AL
480 / 600A	(2) 4"	Parallel 350 MCM AL
> 600	SIZED BY CONTRACTOR	SIZED BY CONTRACTOR

*-Irrigation, sign, CATV and TELCO only, 100A residential service requires 3" conduit.

- 20.4.5 Conduit runs with more than two (2) long sweeping 90 degree elbows in any one service must be approved by BEUD prior to installation.
- 20.4.6 Conduit shall run in a straight line from customer's structure to BEUD facilities. There shall be no abrupt changes in conduit direction (elevation or sideways) except for bends at pad-mounted equipment and for turning up service lateral conduits. Coordinate with BEUD input on conduit routing depending on the situation.
- 20.4.7 All conduit joints shall be glued, and exposed end of the run shall be capped (not glued) with industry approved cap to ensure conduit remains clean and dry. No Duct tape will be allowed.
- 20.4.8 A 1,250 pound mule tape shall be installed in the conduit by the CONTRACTOR for BEUD to pull in service wire.



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- 20.4.9 Mule tape must be taped to conduit and may not be tied to any existing BEUD facilities.
- 20.4.10 Conduit shall be clear of any internal obstructions. If BEUD is unable to pull service wire due to obstructions, the CONTRACTOR shall be held responsible and charged for loss of time by BEUD personnel.
- 20.4.11 If meter base is level or below ground level of BEUD source point, there shall be three (3) one-quarter inch (1/4") holes drilled in the conduit eighteen (18) inches above ground level at the structure.
- 20.4.12 CONTRACTOR shall stub up conduit into BEUD device:
 - a. For transformer installations, conduit shall be flush with transformer foundation.
 - b. For secondary pedestal installations, conduit shall be 4" above base of secondary pedestal.
- 20.4.13 When conduit must be reduced, one swedged reducer must be used directly below the meter base. Only one reduction in conduit size is allowed.
- 20.4.14 Service conduit elbows for service conductors must be minimum 12" radius sweeps for 2", 3" or 4" conduit.
- 20.4.15 Primary conduit elbows for primary conductors must be minimum 48" radius sweeps for 4" and 60" radius sweeps for 5" and 6". For applications that require primary conduit, refer to **DS-1009** for details.
- 20.4.16 All conduits shall be inspected prior to covering.

20.5 BACKFILL

- 20.5.1 For primary conduit, embedment materials shall be restricted to Class #67 type bedding. Installation of bedding shall be 4" under conduit and 6" over conduit.
- 20.5.2 If rocky conditions exist, then bedding shall be 6" under and 6" over conduit.
- 20.5.3 CONTRACTOR must provide proof of material to match required specifications to BI.
- 20.5.4 Backfill must be free of large rocks and other material that could damage the conduit. Rocks / stones larger than 2" in diameter shall not be used as backfill above crushed rock.
- 20.5.5 All trenches must be inspected by BI before backfilling. Any trench that is covered before inspection will be required to be uncovered for inspection.



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- 20.5.6 Contractor to provide a minimum of one full working day notice with request for inspection.

20.6 BEUD EQUIPMENT ACCESS / RESEAL CHARGE

- 20.6.1 The electric meter is owned by BEUD and must not be disconnected, removed, or relocated except by authorized BEUD personnel.
- 20.6.2 All meters are sealed by BEUD. Tampering with the meter or with conductors carrying unmetered current and the unauthorized breaking of BEUD's seals is forbidden and will result in a reseal charge of \$75.
- 20.6.3 If CONTRACTOR needs to access equipment that is sealed by BEUD, contact the main office at 479-271-3135 to schedule an appointment to have the equipment opened. Schedule appointment a minimum of 24 hours in advance.

SECTION 21 METERING

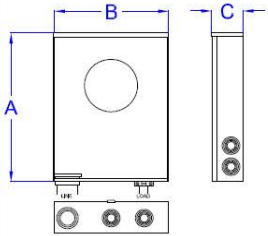
21.1 GENERAL REQUIREMENTS

- 21.1.1 Meter to be on the same side of the building as the source point unless approved by BEUD.
- 21.1.2 For all services, BEUD will provide the meter.
- 21.1.3 For buildings that have more than one service located on different sides of the building, or different voltage services serving the same building, label meter locations per NEC.
- 21.1.4 Permanent and temporary meter bases supplied by CONTRACTOR **must be ringless in type. Ringed type meter bases will not be accepted.** BEUD will provide a ringless meter base for any CT metered service.
- 21.1.5 An external shunt trip or disconnect is required on all new meter installations per Ordinance #2009-25 approved by City Council on March 10, 2009. Any service modifications will require that all current specifications and ordinance be applied. A meter/main combo will satisfy this requirement.
- 21.1.6 Single meter bases shall be a minimum of thirteen inches (13") wide and sixteen inches (16") tall and able to accommodate service size conduit.



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21.1.7 CONTRACTOR to provide an approved meter base per the following table:

MINIMUM ACCEPTED METER CAN DIMENSIONS								
		SVC SIZE	A	B	C	MANUFACTURER*	PART NUMBER*	COMMENTS
		100 A METER	14"	11"	4.3"	DURHAM	UTRS111CCH	METER SOCKET ONLY
		200 A METER	17"	13"	4.5"	CUTLER-HAMMER	UTRS233CCH	METER SOCKET ONLY
		100/200A COMBO	25"	14	4.5"	CUTLER-HAMMER	MBT48P200BTS	HAS SPACE FOR UP TO FOUR ADDITIONAL BREAKERS. 100A OR 200A MAIN BREAKER SOLD SEPARATELY
		200A COMBO	25	14	5.25"	CUTLER-HAMMER	MBB200BTS	200A MAIN BREAKER INCLUDED
		320A COMBO	36.5"	15"	5.5"	CUTLER-HAMMER	UTH43369UCH	320A MAIN BREAKER INCLUDED
		400A METER	METER CAN FOR 400A SERVICE TO BE PURCHASED FROM CITY OF BENTONVILLE WAREHOUSE.					

* OR EQUIVALENT

- 21.1.8 The following secondary voltages are generally available to customers in the City of Bentonville city limits, but BEUD should be contacted to verify the availability of all voltages.
- Single-phase, three-wire – 120/240V
 - Single-phase, three-wire – 120/208V (available only where 120/240V is not available. Contact BEUD to discuss prior to permit application)
 - Three-phase, four-wire – 120/208V
 - Three-phase, four-wire – 277/480V
- 21.1.9 For any 120/208V single phase service, a fifth terminal is required in the meter base.
- 21.1.10 It is CONTRACTOR's responsibility to determine availability of specific voltage prior to beginning any work.
- If CONTRACTOR requests three-phase service to a space in a set of suites/units that is currently served with single-phase, CONTRACTOR shall be required to pay for the material and labor cost incurred by BEUD to upgrade the service.
 - If CONTRACTOR requests three-phase service to an existing building that originally had single-phase, but the planned upgrades take into account upgrade of the entire building to three-phase, there is no charge.
 - Contact New Service Coordinator to clarify potential charges for a specific location.
- 21.1.11 All meter bases shall have load-side lugs and shall be capable of accepting up to 350 MCM wire.



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- 21.1.12 BEUD offers a single phase 400A and a three phase 600A (480 A continuous) meter base since this meter base is not readily available from local distributors. The following meter base can be purchased from the City Warehouse.

Type of Service	Manufacturer	Part Number	BEUD Inventory Number
400A Single Phase	Landis & Gyr	K-4UT	285-061-44409
600A Three Phase Underground	Landis & Gyr	K-7	285-061-44407
600A Three Phase Overhead	Landis & Gyr	K-7T	285-061044402

- 21.1.13 The city warehouse is open from 8:00 A.M. to 2:00 P.M. during normal working days. Please contact the warehouse a minimum of 24 hours prior at (479) 271-3145 to schedule a time to pick up and purchase the meter base.
- 21.1.14 For single phase services up to 320A and three-phase services up to 600A, a self-contained meter will be provided by BEUD.
- 21.1.15 BEUD prefers a 600A service to be self-contained. Situations may arise where a 600A service needs to be CT metered. Approval is required by BEUD Engineering prior to proceeding.
- 21.1.16 It is CONTRACTOR's responsibility to account for the appropriate levels of secondary fault current to ensure that protective devices installed will be sized to safely withstand fault levels. Contact BEUD Engineering at 479-271-3135 if there are questions about the available fault current for a specific location.

SECTION 22 NEW SERVICE / UPGRADE PROCESS

22.1 SETTING UP NEW SERVICE

- 22.1.1 Contact BEUD New Service Coordinator at (479) 271-3139 to set up an on-site meeting to discuss the service requirements.
- 22.1.2 After on-site meeting, BEUD will design the necessary facilities and notify the electrician of the requirements to proceed.
- 22.1.3 The CONTRACTOR shall contact BI and complete the electrical permit for work to be performed, i.e. Temporary, Permanent, or Upgrade.
- 22.1.4 Coordinate with BI to schedule inspections at designated intervals of construction completion. Once the electrical work has been completed, the CONTRACTOR shall contact BI to schedule a final inspection. List of required inspection
- Temporary service
 - Service trench and conduit placement prior to covering
 - Permanent service



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- 22.1.5 BI will visit the site to verify the electrical installation complies with all BEUD specifications.
- 22.1.6 BI will place a green sticker on the equipment after verifying electrical construction complies with BEUD specifications. A work order for BEUD to install meter and energize service will be created after BI has processed the approval.
 - a. The approval process can take 1-2 days.
 - b. BEUD will not energize a service or install a meter prior to receiving the work order from BI.
 - c. BEUD's policy is to set meters within 48 hours of receiving the permanent service work order from BI, weather permitting.
- 22.1.7 BI will place a red sticker in the event that the electrical installation does not comply with BEUD specifications.
- 22.1.8 When CONTRACTOR is ready for permanent service, follow steps 4-7 above again.

22.2 SERVICE UPGRADE

- 22.2.1 Contact BEUD New Service Coordinator at (479) 271-3139 to set up an on-site meeting to discuss the upgrade.
- 22.2.2 After on-site meeting, BEUD will design the necessary facilities and notify the electrician of the requirements to proceed with the upgrade.
- 22.2.3 CONTRACTOR to follow steps 3-7 in SETTING UP NEW SERVICE.

SECTION 23 TEMPORARY SERVICES – SINGLE PHASE

23.1 GENERAL – TEMPORARY SERVICES

- 23.1.1 Temporary service must be placed in a manner that does not require it to be relocated prior to installing permanent power. A re-connect fee of \$75 will be billed for instances when temporary services must be relocated.
- 23.1.2 Temporary service meter base shall not be mounted on, or attached to BEUD power poles.
- 23.1.3 CONTRACTOR shall call Arkansas One Call (811) for locates prior to installing temporary meter base to avoid hitting BEUD primary conductors with meter base post or ground rods.
- 23.1.4 CONTRACTOR to provide ditch or flex conduit from temporary meter base location to service point.



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- 23.1.5 Temporary service conductors may not be larger than #2 AWG triplex - no splices allowed.
- 23.1.6 Ground rods for temporary meters must be removed by CONTRACTOR prior to final inspection.
- 23.1.7 In an emergency situation, an authorized BEUD representative may grant CONTRACTOR the right to run a temporary service in conduit across the top of the ground in order to re-energize a meter base with secondary power. CONTRACTOR shall make the necessary repairs to the permanent service path within 72 hours of the temporary being granted. If after 72 hours, the permanent repairs have not been made, BEUD will disconnect service until repairs are made. Approval for this scenario must be given by an authorized BEUD representative.

23.2 OVERHEAD – TEMPORARY SERVICES

- 23.2.1 If temporary meter base is on a CUSTOMER owned pole, CONTRACTOR must extend weatherhead to within 18" of BEUD termination point.
- 23.2.2 CUSTOMER owned pole shall be located a minimum of 10' and a maximum of 70' away from BEUD pole.
- 23.2.3 Refer to **DS-1001** for detail for a Braced Temporary Pole.

23.3 UNDERGROUND – TEMPORARY SERVICES

- 23.3.1 CONTRACTOR to furnish conductors and flexible conduit along top of ground to BEUD source point.
- 23.3.2 Provide 3' of additional exposed conductors for termination, coiled up by device.
- 23.3.3 BEUD will terminate conductors to source point.
- 23.3.4 Temporary meter base to be located a minimum of 3' and a maximum of 5' away from BEUD device.
- 23.3.5 Refer to **DS-1002** for underground temporary detail and acceptable locations for temporary and ground rods.



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SECTION 24 SELF-CONTAINED SERVICE

24.1 GENERAL – SELF-CONTAINED SERVICE

- 24.1.1 This section applies to the following:
 - a. Single-phase self-contained service, 320A and below
 - b. Three-phase self-contained service, 600A and below
- 24.1.2 For self-contained service, BEUD to supply service wire, connectors and meter. All other materials to be supplied and installed by CONTRACTOR.
- 24.1.3 For all new 200-320A residential services, a meter / main combo pack is required.
- 24.1.4 CONTRACTOR shall be responsible for making final connections from meter base (load side) to service main (line side). BEUD will provide and terminate secondary conductors from BEUD service point to meter base (line side).
- 24.1.5 For 480V self-contained services, BEUD requires a separate meter disconnect to be located between the meter and BEUD's equipment. Refer to **DS-1012**
 - a. BEUD will provide this meter disconnect to CONTRACTOR to install.
 - b. CONTRACTOR to schedule pickup at Electric Construction office. Contact New Service Coordinator to schedule pick up of equipment.
 - c. Device will provide no overcurrent protection.
 - d. Enclosure shall be lockable and sealed under the exclusive control of BEUD.

24.2 OVERHEAD – SELF-CONTAINED SERVICE

- 24.2.1 For overhead self-contained service, BEUD to supply service wire dead-end clamp.
- 24.2.2 CONTRACTOR shall provide eye bolt or mast clamp.
- 24.2.3 Services attached to a building must be structurally connected to the building using a minimum 3/8" eye bolt with 2 1/4" square washer, and service entrance must be minimum rigid electrical conduit.
- 24.2.4 Service shall not be connected to meter riser unless mast is routed through the roof.
- 24.2.5 For services mounted on the side of the house, weatherhead must be installed a minimum of 3' and a maximum of 15' from the front corner of the house nearest BEUD service point.



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- 24.2.6 Service entrance on a mast through the roof must be minimum 2" galvanized rigid electrical conduit.
 - a. No couplings above the roof line.
 - b. BEUD reserves the right to require CONTRACTOR to upsize service mast conduit size based on secondary conductor tensions.
- 24.2.7 Contact BEUD for bracing/guying requirements for any mast that extends more than 3' above the roof.
- 24.2.8 For Residential applications, CONTRACTOR to provide service conductors with sufficient length to extend a minimum of 36" from the weatherhead.
- 24.2.9 For Commercial applications, CONTRACTOR to provide service conductors with sufficient length to extend a minimum of 48" from the weatherhead.
- 24.2.10 Neutral conductor must be insulated and identified in weatherhead. Un-insulated neutral conductors are not allowed.
- 24.2.11 **Screw in "house knob" style connections are not allowed.**
- 24.2.12 Refer to **DS-1004** for overhead applications with service attached to house.
- 24.2.13 Extend service mast through the roof for an overhead service when two feet (2') of clearance between service conductor and building cannot be maintained. Refer to **DS-1005**.
- 24.2.14 Refer to **DS-1008** for commercial overhead service

24.3 UNDERGROUND – SELF-CONTAINED SERVICE

- 24.3.1 Refer to SECTION 1 for trench/conduit and backfill requirements.
- 24.3.2 For 100A service (Irrigation / Sign, etc), meter base shall be located a minimum of 3' and a maximum of 25' away from BEUD device. Refer to **DS-1003**
- 24.3.3 For CATV and TELCO applications that require a 100A meter pedestal, Refer to **DS-1004**.
- 24.3.4 The bottom-left side of underground meter bases is reserved for BEUD use only. The CONTRACTOR's service must exit the meter base out the bottom-right, side, or back for underground meter bases. The CONTRACTOR's service conductor cannot exit the left side area of an underground meter base and shall not obstruct BEUD's bottom-left entry area into the base.
- 24.3.5 BEUD shall provide and install underground service wire for all self-contained meters.



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- 24.3.6 CONTRACTOR to contact BEUD 24 hours in advance to schedule opening of devices to install service conduit. Access to BEUD devices without BEUD personnel present is strictly prohibited and will result in reseal charge per section 1.F.2.
- 24.3.7 Refer to **DS-1007** for 200A residential underground service detail.
- 24.3.8 Refer to **DS-1010** and **DS-1011** for details for typical commercial applications.

24.4 MULTIPLE METER LOCATIONS – SELF-CONTAINED SERVICE

- 24.4.1 All locations that utilize grouped meters in a meter pack arrangement shall be approved by BEUD prior to installation.
- 24.4.2 Meter packs with multiple meters shall be served by a single service conduit.
- 24.4.3 The CONTRACTOR shall submit a drawing of the proposed meter arrangement of apartment complex, duplex, or office suite showing addresses per the City of Bentonville Mapping Department with dimensions of meter pack arrangement.
- 24.4.4 Submit proposed drawing to New Service Coordinator.
- 24.4.5 BEUD will provide a single service conduit from BEUD's device to the meter pack sized adequately to carry the buildings load.
- 24.4.6 CONTRACTOR shall label each meter with specific address information.

SECTION 25 CURRENT TRANSFORMER (CT) METERED SERVICE

25.1 GENERAL – CT SERVICE

- 25.1.1 Current transformer (CT) metering shall be required for the following scenarios:
 - a. Single phase service greater than 320A
 - b. Three phase service 800A and greater
- 25.1.2 BEUD shall provide meter base, meter pedestal, meter, and associated CT and potential wiring.
- 25.1.3 For single phase transformers, CTs will cover 2 of the usable holes, leaving 4 positions for customer connections.



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- 25.1.4 For three phase transformers, usable positions are available as follows:
- 45KVA - 6 positions
 - 75KVA – 8 positions
 - 150-1000 KVA– 12 positions
 - 1500-2500 KVA– 14 positions

25.2 OVERHEAD – CT SERVICE

- 25.2.1 Refer to section 24.2 for applicable overhead requirements.
- 25.2.2 Maximum overhead service allowed is 800A.
- 25.2.3 CT Cabinet required for any overhead CT service. Provide per the following table:

Overhead - 208V				
Amperage	Voltage	Manf	Part Number	H x W x D
600	208V	AMP	ALICT6-4L-PGRY	48"x36"x15"
800	208V	AMP	ALICT8-4L-PGRY	48"x36"x15"
Overhead - 480V				
600	480V	AMP	ALICT6-4L-PGRY	48"x36"x15"
800	480V	AMP	ALICT8-4L-PGRY	48"x36"x15"

- 25.2.4 BEUD will supply conductor to weatherhead.
- 25.2.5 CONTRACTOR shall provide all load conductors from weather head to CUSTOMER service equipment.
- 25.2.6 BEUD will terminate service at transformer, connection at weatherhead and source side of conductor in CT Cabinet.
- 25.2.7 CONTRACTOR shall terminate all load side conductors in CT cabinet and provide all conductors from CT cabinet to service equipment
- 25.2.8 Point of attachment for service shall be located a minimum of 18" and a maximum of 36" from weatherhead.
- 25.2.9 CONTRACTOR responsible for terminating conductors at CUSTOMER service equipment.
- 25.2.10 Refer to **DS-1013** for overhead commercial service details.
- 25.2.11 Line conductors shall enter on top left of CT cabinet.



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25.2.12 Load conductors shall exit on bottom right or side of CT cabinet.

25.3 UNDERGROUND – CT SERVICE

25.3.1 CONTRACTOR shall supply all secondary runs from BEUD transformer to meter location when CTs are installed in the transformer.

25.3.2 CONTRACTOR to provide 1 1/4" PVC schedule 40 conduit, 24" deep conduit from transformer pad to meter pedestal location. Meter pedestal must be 12" from edge of transformer pad and 48" from face of transformer pad. Refer to **DS-1417**

25.3.3 CONTRACTOR to provide bare #6 copper wire buried in same trench beside 1 1/4" conduit with six feet (6') of length coiled at each end. Refer to **DS-1417**

25.3.4 For all underground three phase CT metered services, CONTRACTOR is responsible for providing and terminating the 2-hole compression lugs.

25.3.5 Refer to **DS-1014** for overall CT service details.

25.4 UNDERGROUND – CT SERVICE WITH AUXILIARY ENCLOSURE

25.4.1 A CONTRACTOR supplied CT cabinet shall be required for an underground service when the development is served from a transformer that has multiple accounts and there is not enough physical room to place CTs on the existing transformer spades.

25.4.2 CT cabinets up to 1600A shall be wall mounted or mounted on a free standing rack.

25.4.3 CT cabinets 2000A and greater shall be pad mounted. Refer to **DS-1015** for foundation details.

25.4.4 BEUD shall provide meter base, CTs, and associated CT and potential wiring.

25.4.5 CONTRACTOR shall provide and install CT cabinet, main disconnect, mounting frame, and ground rod.

25.4.6 CONTRACTOR shall also install meter base that is provided by BEUD.

25.4.7 CONTRACTOR shall supply load conductors.

25.4.8 BEUD will supply and terminate line conductors on the transformer side and the line side of the CT cabinet.



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- 25.4.9 CONTRACTOR will terminate load side of CTs and conductor at CUSTOMER service equipment.
- 25.4.10 CONTRACTOR shall provide CT cabinet per the following table:

Underground - 208V				
Amperage	Voltage	Manf	Part Number	H x W x D
600	208V	AMP	SB6-4-A-CT-PGRY	48"x33"x12"
800	208V	AMP	SB8-4-A-CT-PGRY	48"x33"x12"
1200	208V	AMP	SB12-4-A-CT-PGRY	48"x33"x12"
1600	208V	AMP	SCC16-4A-CT-PGRY	60"x39"x24"
Underground - 480V				
600	480V	AMP	SB8-4-A-CT	48"x45"x12" (NOTE 1)
800	480V	AMP	SB8-4-A-CT	48"x45"x12" (NOTE 1)
1200	480V	AMP	SB12-4-A-CT	48"x45"x12" (NOTE 1)
1600	480V	AMP	SCC16-4A-CT	60"x51"x24" (NOTE 1)
2000A and larger services will be pad mounted and will require PTB36 cabinet				
2000	480V	AMP	SCC20-4A-CT	60"x63"x24" (NOTE 1)
2500	480V	AMP	SCC25-4A-CT	60"x63"x24" (NOTE 1)
3000	480V	AMP	SCC30-4A-CT	60"x63"x24" (NOTE 1)
3500	480V	AMP	SCC35-4A-CT	60"x63"x24" (NOTE 1)
4000	480V	AMP	SCC40-4A-CT	60"x63"x24" (NOTE 1)

Note 1: Dimensions include PT Box (Part Number PTB36 required to be ordered separately)
 PGRY suffix specifies powder coat painted grey
 All SCC cabinets are powder coat painted green

- 25.4.11 Refer to **DS-1015** for details about auxiliary cabinet.

SECTION 26 STANDBY GENERATOR

26.1 GENERAL

- 26.1.1 BEUD must be notified of plans to install standby generating equipment for emergency use.
- 26.1.2 Contact New Service Coordinator at 479-271-3139 to schedule a meeting to discuss any generator connections and provide approval of the method of connection.
- 26.1.3 Wiring of generator must be installed so that no connection can occur between BEUD's service and the CONTRACTOR's generator. CONTRACTOR must install an automatic transfer switch to isolate the generator feed from the utility feed.



BEUD SERVICE GUIDELINES

- 26.1.4 All work associated with generator installations must be performed by a licensed electrician and in accordance with the NEC.
- 26.1.5 CONTRACTOR must acquire a permit and have a documented inspection.
- 26.1.6 Any installations that are found to be installed without proper authorization will be subject to a \$200 fine.

SECTION 27 CLEARANCES

27.1 GENERAL

- 27.1.1 Refer to **DS-1410** for pad mount transformer clearance requirements
- 27.1.2 Refer to **DS-1016** for detail of secondary conductor clearances
- 27.1.3 Refer to **DS-1017** for meter location clearance requirements.
- 27.1.4 Refer to **DS-1018** for multiple meter height requirements.

27.2 VERTICAL SECONDARY CLEARANCES

- 27.2.1 Over state highway – 18’.
- 27.2.2 Over city street / alley / driveway – 16’
- 27.2.3 Over spaces subject to pedestrian or restricted traffic only – 12’
- 27.2.4 Over balconies / porches / decks – 11’
- 27.2.5 Over roof accessible to pedestrians – 11’
- 27.2.6 Over roof not accessible to pedestrians – 3.5’

27.3 HORIZONTAL SECONDARY CLEARANCES

- 27.3.1 From Building – 5’, no wind, 3.5’ when displaced by wind.

PART III



BEUD DETAILS

<u>DRAWING</u>	<u>PAGE</u>
Electric Service Information Sheet.....	DS-1401
Subdivision Utility Placement Specifications	DS-1402
Trench Detail in Green Space.....	DS-1403
Trench Detail in Asphalt.....	DS-1404
Single Phase Transformer Site Requirements	DS-1405
Single Phase Transformer Pad – Smaller than 100 kVa.....	DS-1406
Single Phase Transformer Pad – 100 kVa and larger	DS-1407
Three Phase Transformer Pad – 45-1000 kVa.....	DS-1408
Three Phase Transformer Pad – 1500-2500 kVa.....	DS-1409
Clearance Specifications for Pad Mounted Equipment.....	DS-1410
Single Phase Junction Box Foundation	DS-1411
Three Phase 200 A Primary Junction Box Sleeve	DS-1412
Three Phase 600 A Primary Junction Box Sleeve	DS-1413
Secondary Junction Box	DS-1414
Street Light Foundation for 12’ Residential Lights.....	DS-1415
Street Light Foundation for 22’ Commercial Lights	DS-1416
Transformer Pad and Meter Configuration for CT’s on Spades.....	DS-1417
Pipe Bollard Detail	DS-1418
Conduit Installation Details	DS-1419
Padmount Switchgear Vault Assembly	DS-1420
Padmount Switchgear Vault – Footer.....	DS-1420A
Padmount Switchgear Vault – Bottom Sleeve.....	DS-1420B
Padmount Switchgear Vault – Top Sleeve	DS-1420C
Braced Temporary Service Pole	DS-1001
Temporary Underground Service	DS-1002
100A Meter Pedestal (Sign, Irrigation)	DS-1003
100A Meter Pedestal (CATV & TELCO only).....	DS-1004
200A Residential Overhead Service.....	DS-1005
200A Residential Overhead Service - Mast thru Roof.....	DS-1006
200A Residential Underground Service	DS-1007
Commercial Overhead Service for Self-Contained Metering	DS-1008
Primary Conduit Installation.....	DS-1009
Underground Service for Self-Contained Metering	DS-1010
Underground Service for Self-Contained, Freestanding Metering.....	DS-1011
Commercial Service 480V Disconnect Self-Contained Metering	DS-1012
Commercial Overhead Service for CT Metering.....	DS-1013
Underground Service for CT Metering, Freestanding Metering	DS-1014
Auxiliary CT Enclosure.....	DS-1015
Secondary Conductor Clearance Requirements	DS-1016
Meter Clearance Requirements.....	DS-1017
Multiple Meter Installation Requirements.....	DS-1018



Electric Service Information

Preliminary Plat/Large Scale Development

Service Size and Demand: (Required)

Preliminary Plat:

Number of lots:

Number of phases: Number of lots per phase:

Approximate House SF:

Will the development be all electric? ☐ Yes ☐ No

Will a lift station be installed with this development? ☐ Yes ☐ No

Will single or three-phase power be required for a park, sign, or pool complex? If so, please indicate on drawing. ☐ Yes ☐ No

Large Scale Development:

Will the development be all electric? ☐ Yes ☐ No

Will the development have multiple meters? ☐ Yes ☐ No

Single Meter:

Service Voltage: Volts Phase Total Service Size: Amps

Multiple Meters:

Number of electric meters: Number of meter packs:

If multiple meters, must submit catalog sheets for meter pack /tapboxes along with drawings.

Standard Electric Requirements:

1. All developments shall meet the City of Bentonville Developer Guidelines. A copy may be obtained from the City web site (www.bentonvillear.com) under the Electric Department page.
2. Meter location shall be shown on utility plan.
3. Conduit placement and streetlight foundations locations shall be installed per BEUD's electrical design layout.
4. Any landscaping must maintain proper distances away from buried power lines, electric devices, or overhead power lines.
5. For any primary power that crosses the property to serve a pad mounted transformer, a minimum 15' wide public utility easement must be granted for our wire.
6. For preliminary plats, show phase lines.
7. Provide BEUD with current billing address.

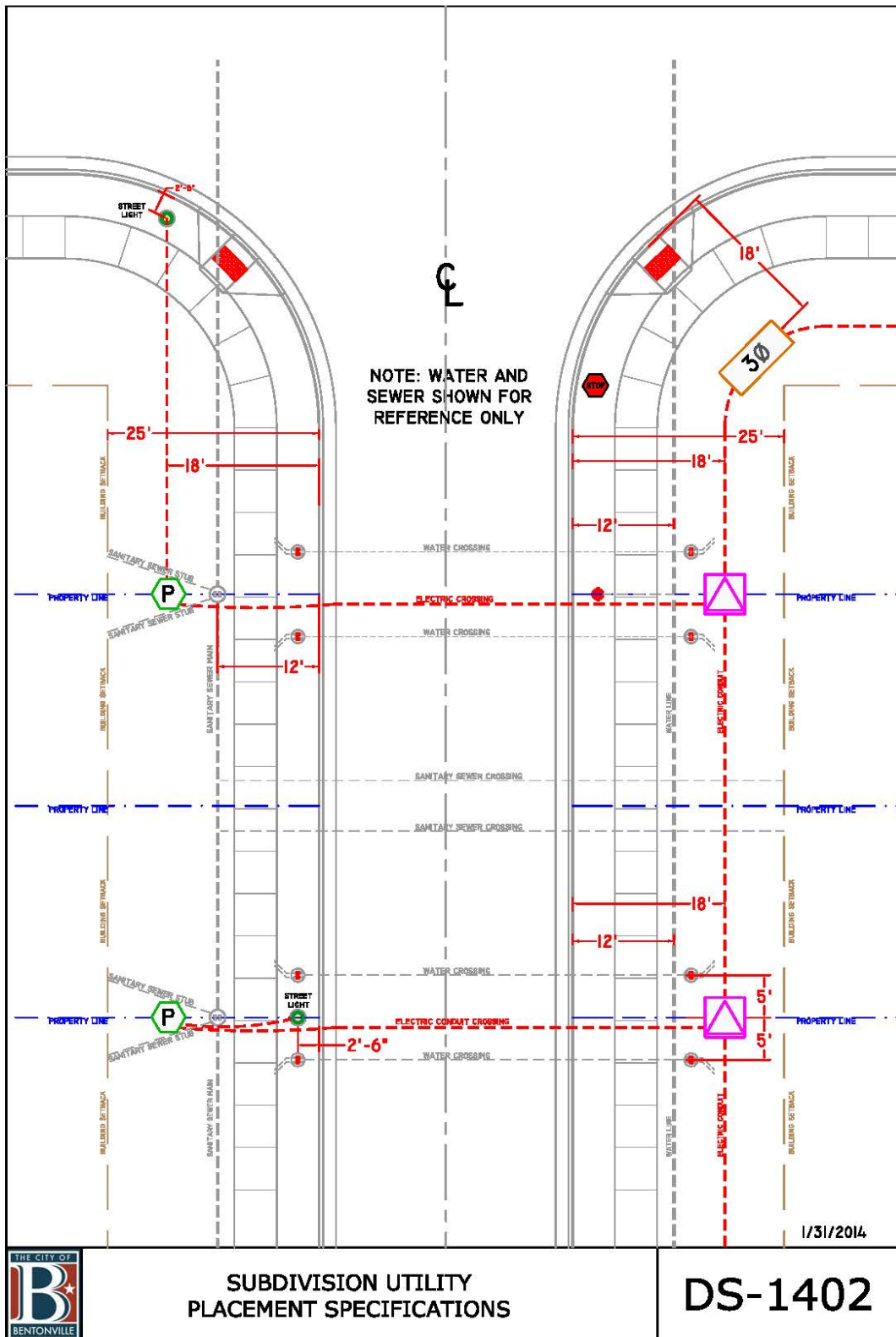
REV: August 2013

1/31/2014



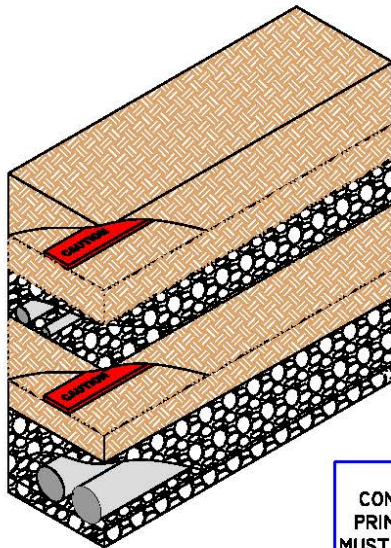
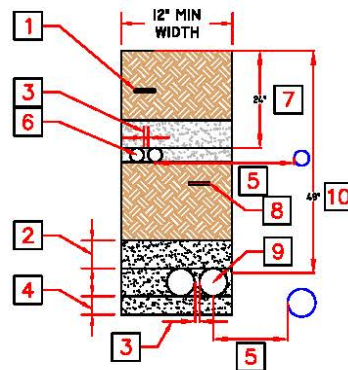
ELECTRIC SERVICE
INFORMATION SHEET

DS-1401



NOTES:

1. CAUTION RIBBON 12" ABOVE SECONDARY
2. 6" OF CLASS 67 GRAVEL OVER PRIMARY AND SECONDARY CONDUITS.
3. MINIMUM OF 6" SEPARATION BETWEEN CONDUITS. (NOT REQUIRED FOR CT SERVICES).
4. 4" OF CLASS 67 GRAVEL UNDER PRIMARY CONDUIT(S).
5. MAINTAIN A 5' MINIMUM CLEARANCE FROM ALL OTHER UNDERGROUND UTILITIES (GAS, WATER, & SEWER)
6. SECONDARY AND STREETLIGHT CONDUIT
7. 24" MINIMUM COVER FROM TOP OF SECONDARY CONDUIT TO FINAL GRADE.
8. CAUTION RIBBON 18" ABOVE PRIMARY
9. PRIMARY CONDUIT
10. 48" MINIMUM COVER FROM TOP OF PRIMARY CONDUIT TO FINAL GRADE.



FILL DITCH TO FINAL GRADE WITH NATIVE SOIL. NO ROCKS LARGER THAN 4" DIAMETER.

MIN. 6" CLASS 67 STONE OVER TOP OF SECONDARY CONDUIT. TOP OF SECONDARY CONDUIT MUST BE MINIMUM OF 24" DEEP CAUTION RIBBON 12" ABOVE SECONDARY CONDUITS.

NATIVE SOIL - NO ROCKS LARGER THAN 4" DIAMETER

MIN. 6" CLASS 67 STONE OVER TOP OF PRIMARY CONDUITS. TOP OF PRIMARY CONDUIT MUST BE MINIMUM OF 48" DEEP. CAUTION RIBBON 18" ABOVE PRIMARY CONDUITS.

MIN. 4" CLASS 67 STONE

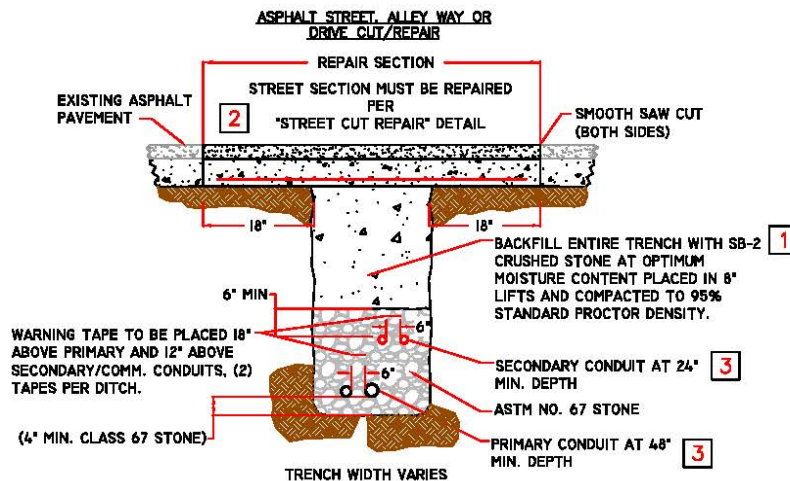
CONTRACTOR NOTE:
CONDUIT SHALL NOT BE STACKED.
PRIMARY AND SECONDARY CONDUIT
MUST HAVE HORIZONTAL SEPARATION.
(NOT REQUIRED FOR CT SERVICES)

1/31/2014



TRENCH DETAIL IN
GREEN SPACE

DS-1403



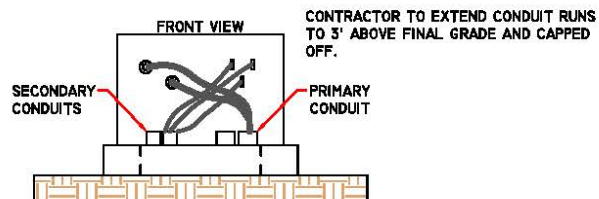
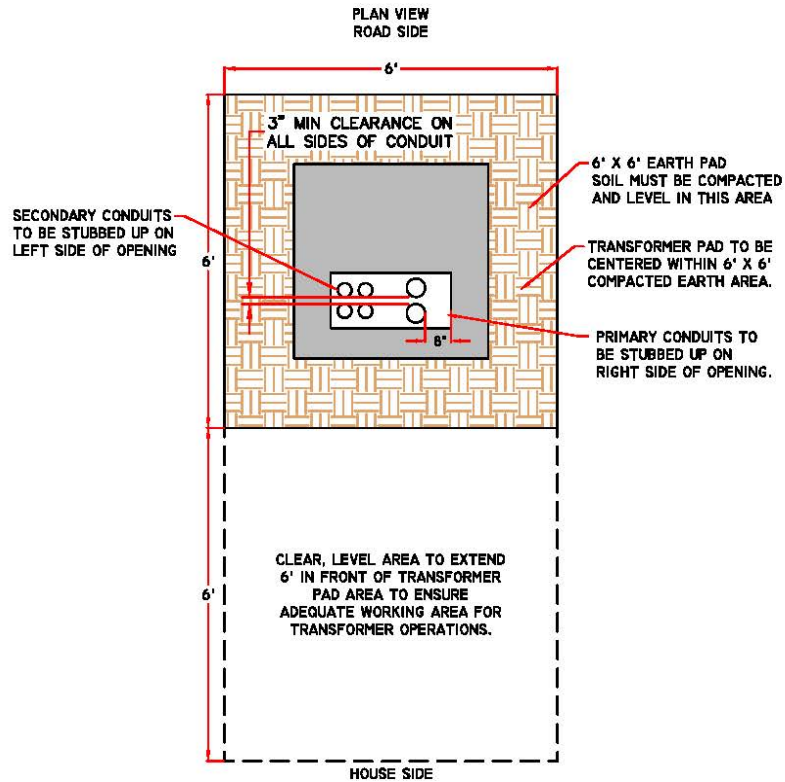
NOTES:	#
1. FLOWABLE FILL MAY BE USED IN LIEU OF SB-2 CRUSHED STONE **IF APPROVED BY CITY ENGINEER**	
2. IF A FINAL REPAIR CANNOT BE STARTED WITHIN 24 HOURS OF AN OPEN CUT, THEN THE TRENCH SHALL BE BACKFILLED PER DETAIL WITH IN A 1" MIN OF EXISTING SURFACE, THEN APPLY TEMPORARY COMPACTED COLD ASPHALT PATCH AND MAINTAIN UNTIL THE PERMANENT REPAIR IS MADE.	
3. CONDUIT SHALL NOT BE STACKED. PRIMARY AND SECONDARY CONDUIT MUST HAVE HORIZONTAL SEPARATION.	

1/31/2014



TRENCH DETAIL IN ASPHALT

DS-1404



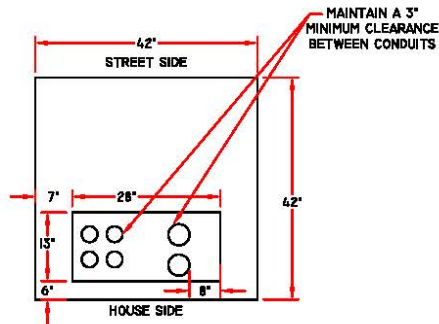
1/31/2014



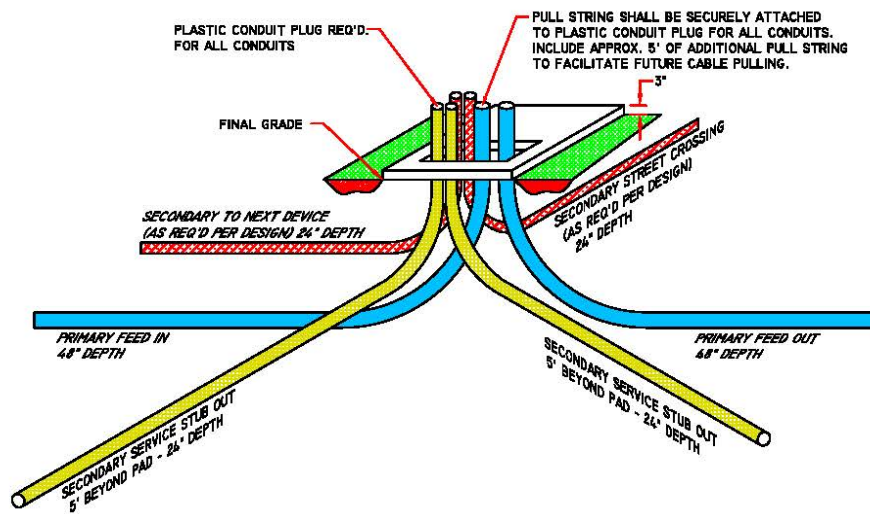
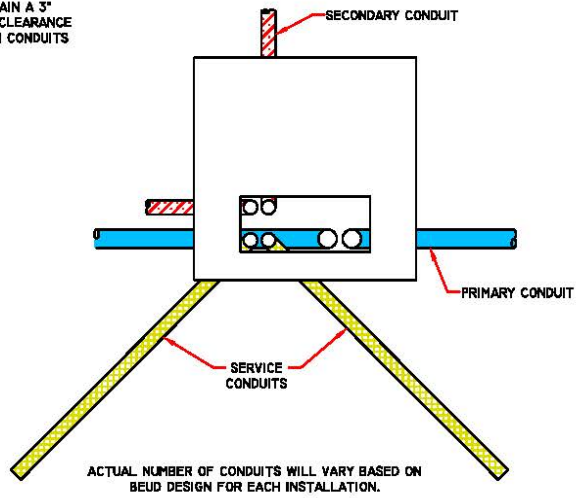
SINGLE PHASE TRANSFORMER SITE REQUIREMENTS

DS-1405

PLAN VIEW - PAD DIMENSIONS



PLAN VIEW - CONDUIT LAYOUT



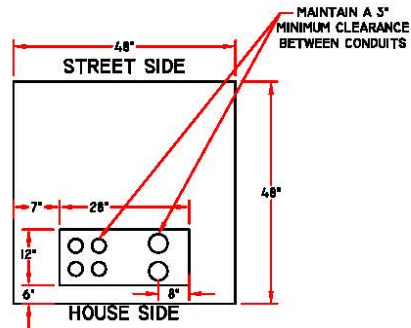
1/31/2014



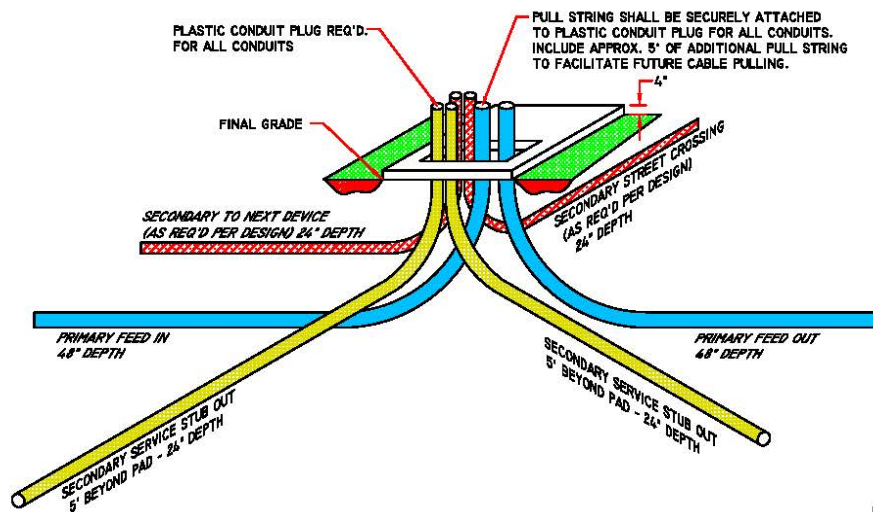
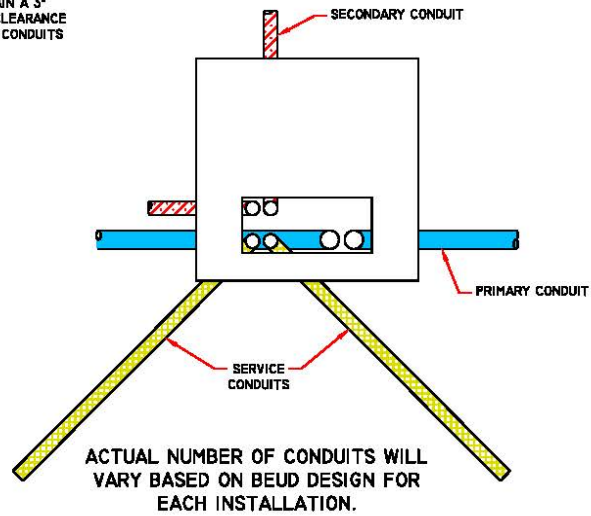
**SINGLE PHASE TRANSFORMER PAD
SMALLER THAN 100 KVA**

DS-1406

PLAN VIEW - PAD DIMENSIONS



PLAN VIEW - CONDUIT LAYOUT



1/31/2014



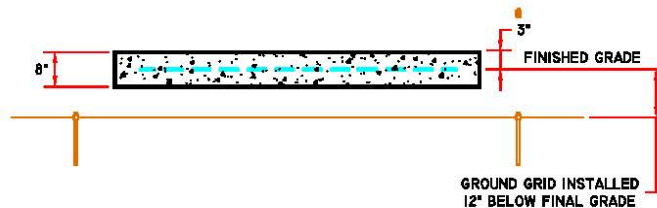
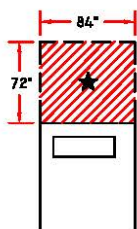
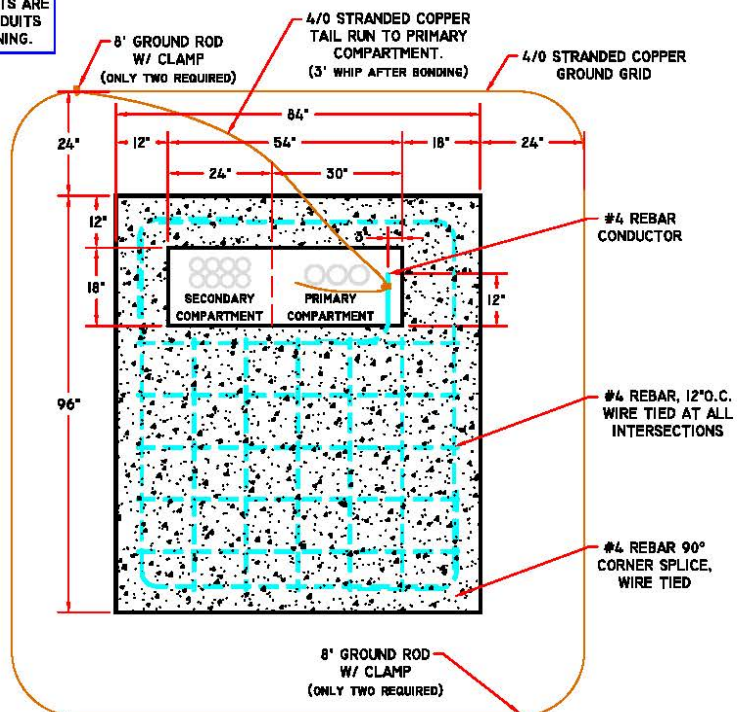
**SINGLE PHASE TRANSFORMER PAD
100 KVA AND LARGER**

DS-1407

MAP SYMBOL



CONTRACTOR NOTE:
TRANSFORMER COMPARTMENTS ARE
NOT EQUAL SIZE. KEEP CONDUITS
ON CORRECT SIDE OF OPENING.



★ 84" X 72" CLEAR WORK AREA REQUIRED ON ACCESS SIDE OF CABINET, NO OBSTRUCTIONS.

1/31/2014



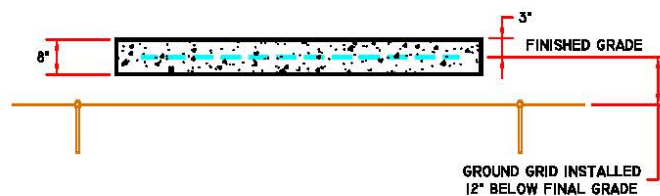
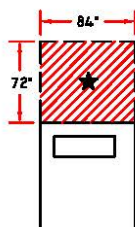
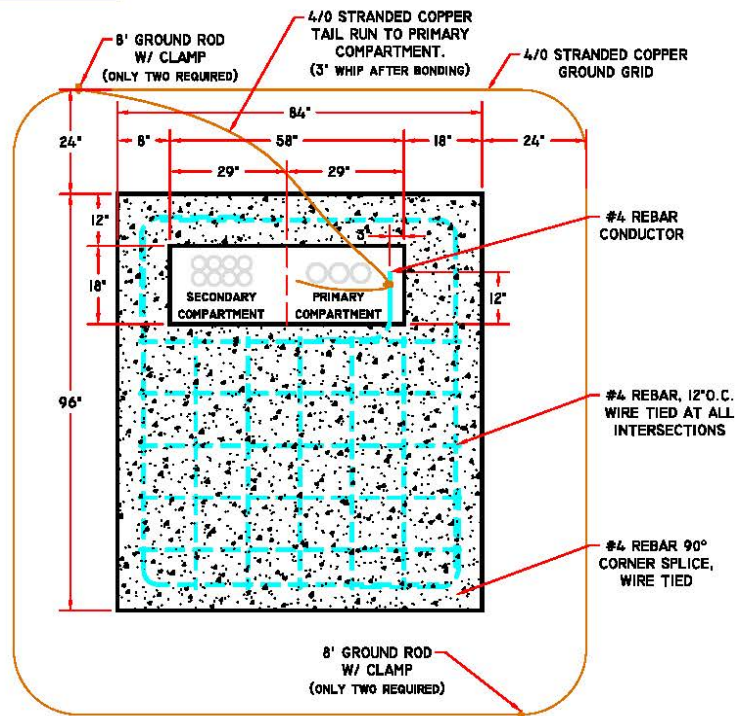
THREE PHASE TRANSFORMER PAD
45-1000 kVA

DS-1408

MAP SYMBOL



CONTRACTOR NOTE:
TRANSFORMER COMPARTMENTS ARE
NOT EQUAL SIZE. KEEP CONDUITS
ON CORRECT SIDE OF OPENING.



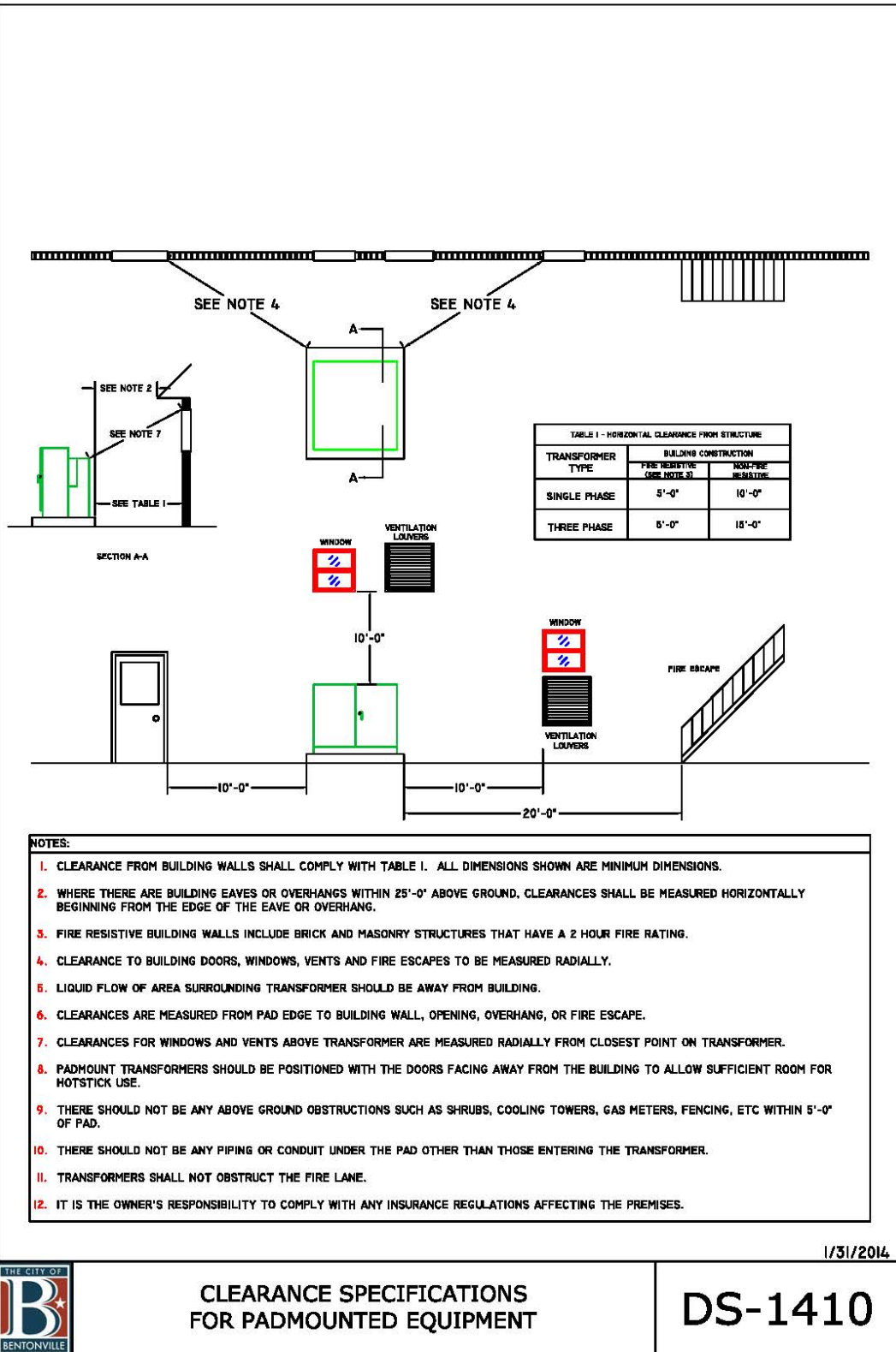
★ 84" X 72" CLEAR WORK AREA REQUIRED ON ACCESS SIDE OF CABINET, NO OBSTRUCTIONS.

1/31/2014



THREE PHASE TRANSFORMER PAD
1500-2500 kVA

DS-1409



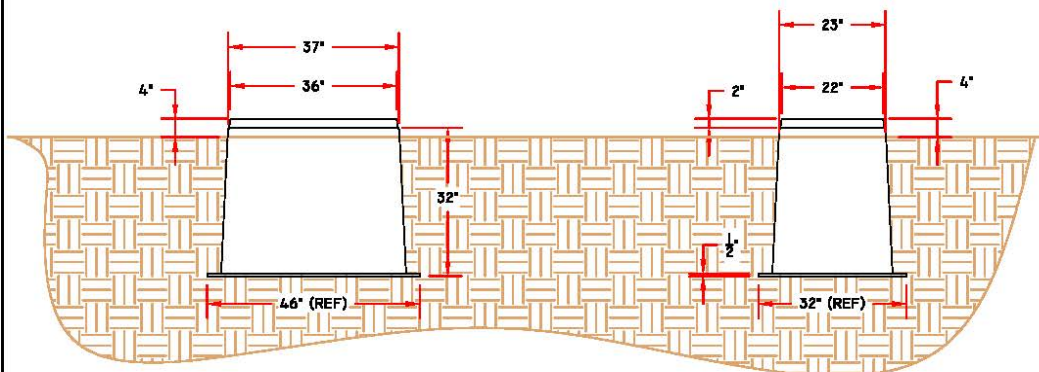
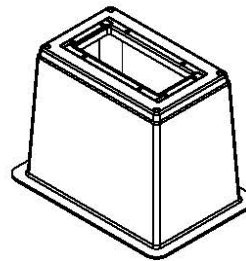
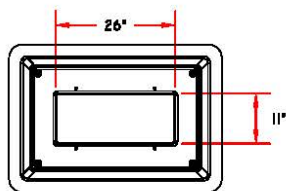
1/31/2014



CLEARANCE SPECIFICATIONS FOR PADMOUNTED EQUIPMENT

DS-1410

MAP SYMBOL 



NOTES:

1. CONDUITS SHALL BE STUBBED UP AND CAPPED 4" ABOVE EARTH INSIDE BOX.
2. EARTH SHOULD BE LEVEL AND EVEN WITH BOTTOM OF BOX INSIDE.
3. MARK GROUND ROD PLACEMENT IN BOTTOM OF SLEEVE WITH WOODEN STAKE TO MISS BURIED CONDUIT RUNS.
4. 72" X 85" CLEAR WORK AREA REQUIRED ON ACCESS SIDE OF CABINET. **NO OBSTRUCTIONS.**

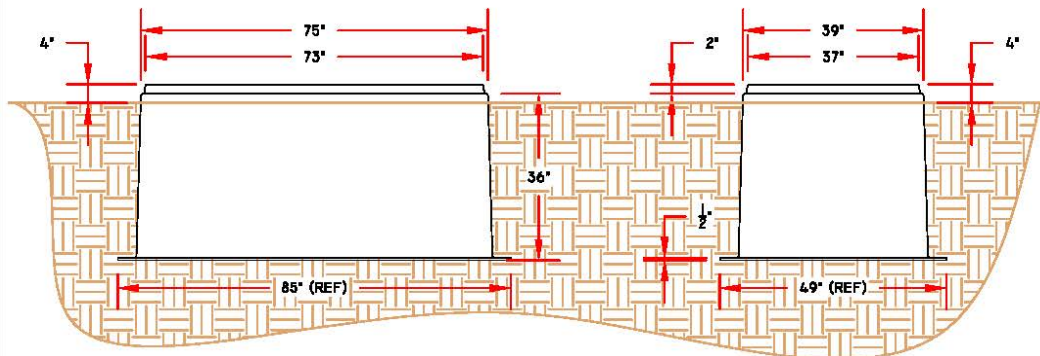
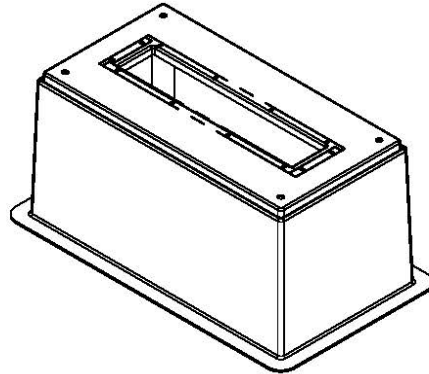
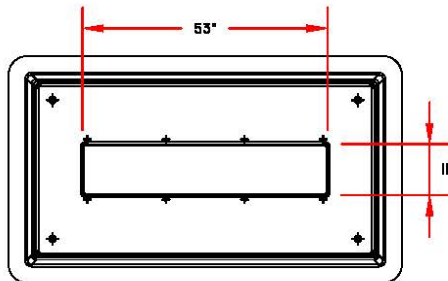
1/31/2014



**SINGLE PHASE PRIMARY
JUNCTION BOX FOUNDATION**

DS-1411

MAP SYMBOL **30**



NOTES:

1. CONDUITS SHALL BE STUBBED UP AND CAPPED 4" ABOVE EARTH INSIDE BOX.
2. EARTH SHOULD BE LEVEL AND EVEN WITH BOTTOM OF BOX INSIDE.
3. MARK GROUND ROD PLACEMENT IN BOTTOM OF SLEEVE WITH WOODEN STAKE TO MISS BURIED CONDUIT RUNS.
4. 72" X 85" CLEAR WORK AREA REQUIRED ON ACCESS SIDE OF CABINET. **NO OBSTRUCTIONS.**

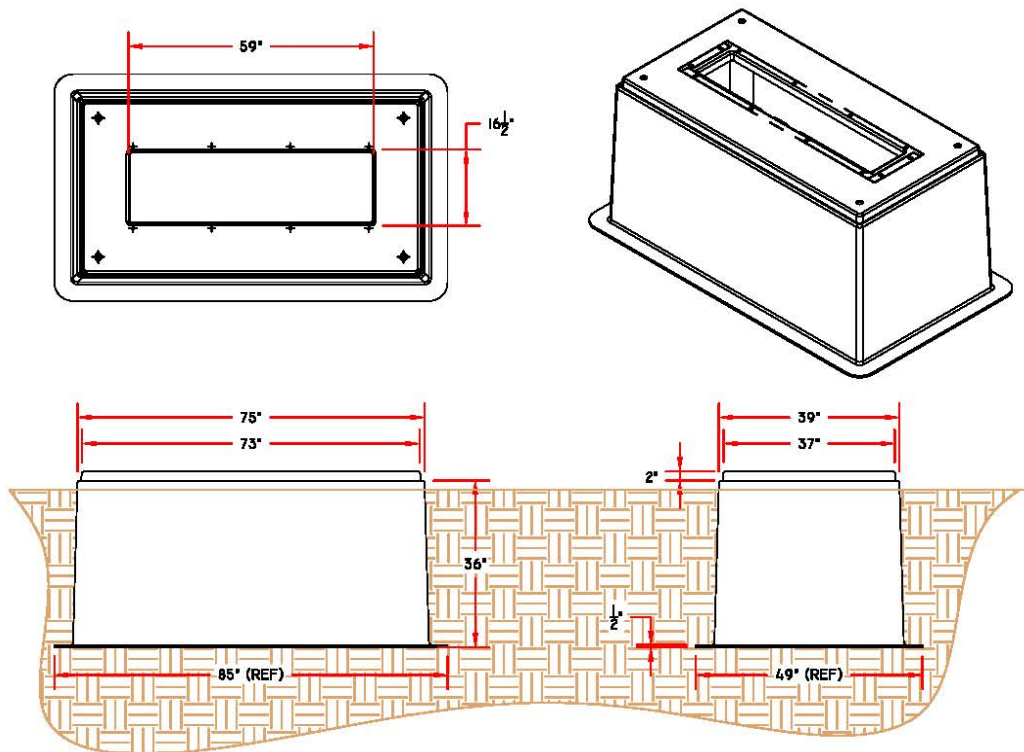
1/31/2014



**THREE PHASE 200A PRIMARY
JUNCTION BOX SLEEVE**

DS-1412

MAP SYMBOL **30**



NOTES:

1. CONDUITS SHALL BE STUBBED UP AND CAPPED 4" ABOVE EARTH INSIDE BOX.
2. EARTH SHOULD BE LEVEL AND EVEN WITH BOTTOM OF BOX INSIDE.
3. MARK GROUND ROD PLACEMENT IN BOTTOM OF SLEEVE WITH WOODEN STAKE TO MISS BURIED CONDUIT RUNS.
4. 72" X 85" CLEAR WORK AREA REQUIRED ON ACCESS SIDE OF CABINET. **NO OBSTRUCTIONS.**

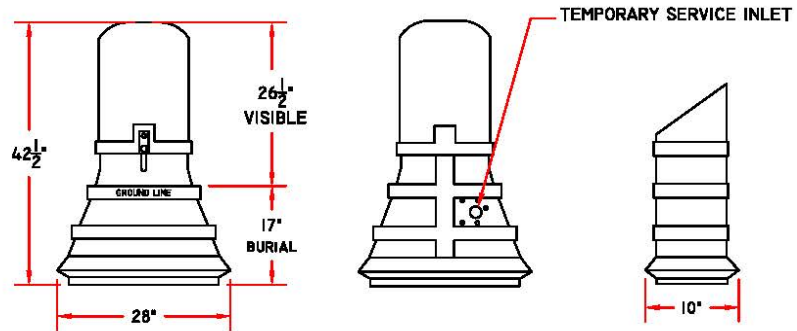
1/31/2014



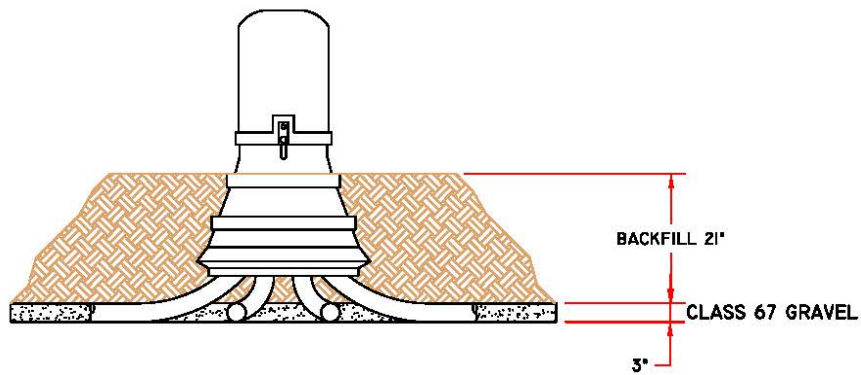
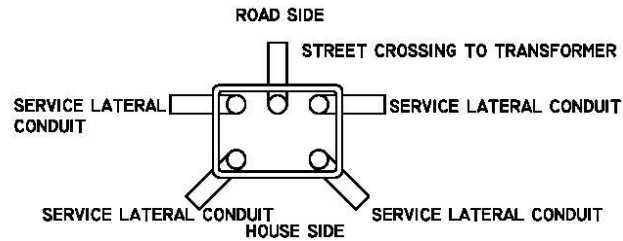
**THREE PHASE 600A PRIMARY
JUNCTION BOX SLEEVE**

DS-1413

MAP SYMBOL 



PLAN VIEW - CONDUIT LAYOUT



NOTES:

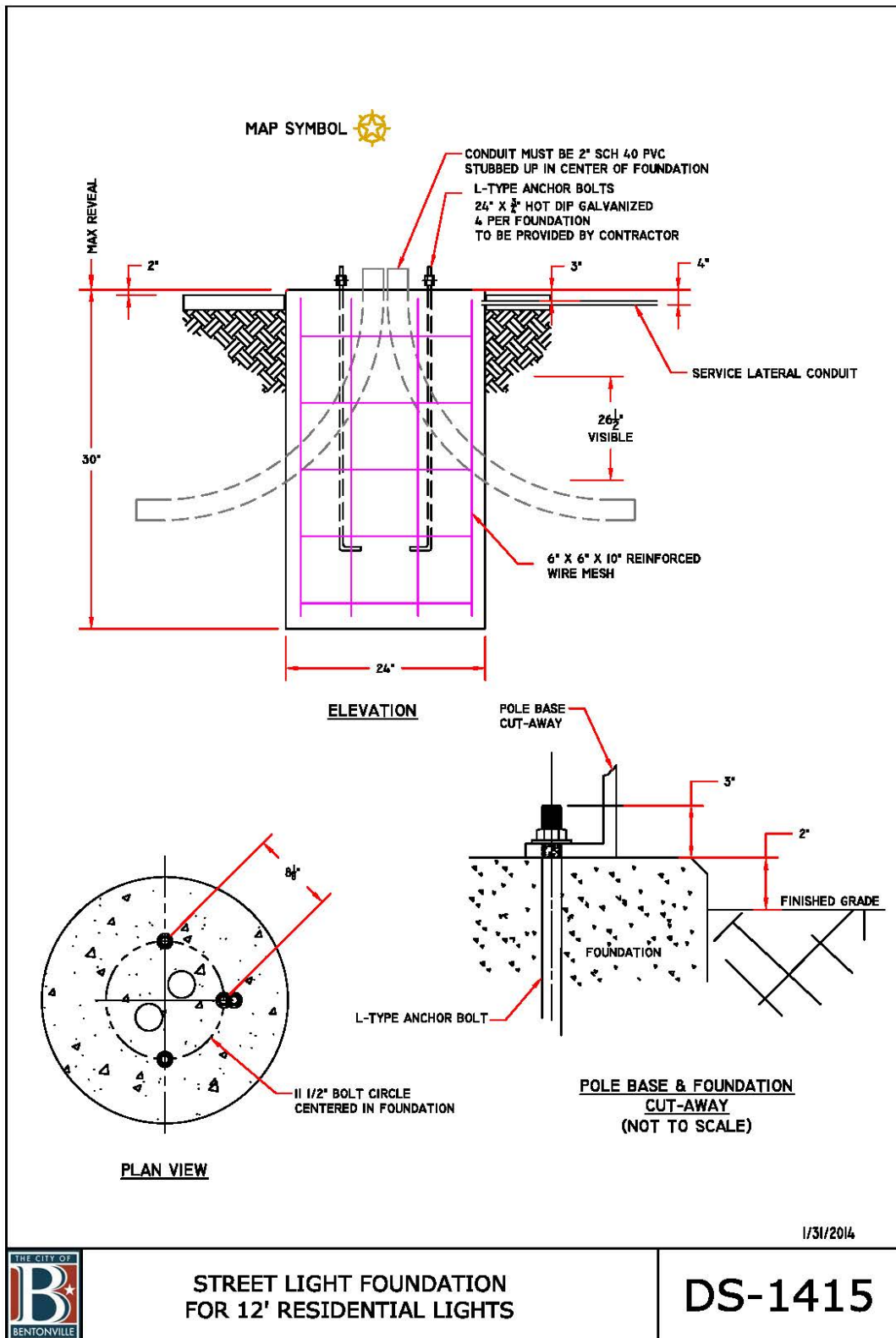
1. EXCAVATE A 30" W X 24" H X 12" D PIT CENTERED IN A 5' X 5' CLEAR, LEVEL AREA. PEDESTAL SHALL NOT BE SITUATED IN A LOW AREA OR SWALE THAT WOULD CAUSE WATER TO COLLECT IN PIT.

1/31/2014



SECONDARY JUNCTION BOX

DS-1414

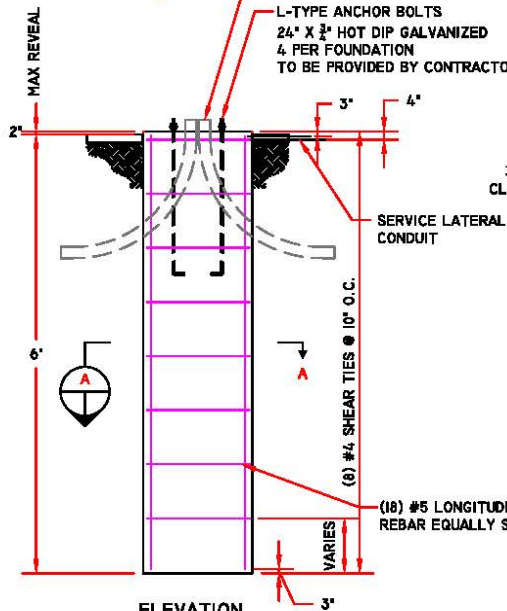


MAP SYMBOL

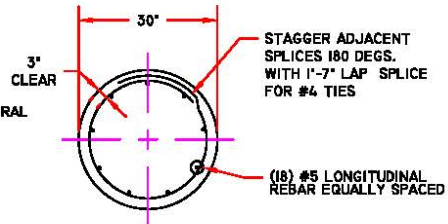


CONDUIT MUST BE 2" SCH 40 PVC
STUBBED UP IN CENTER OF FOUNDATION

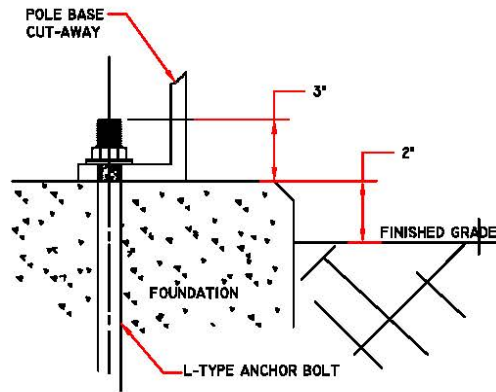
L-TYPE ANCHOR BOLTS
24" X 1/2" HOT DIP GALVANIZED
4 PER FOUNDATION
TO BE PROVIDED BY CONTRACTOR



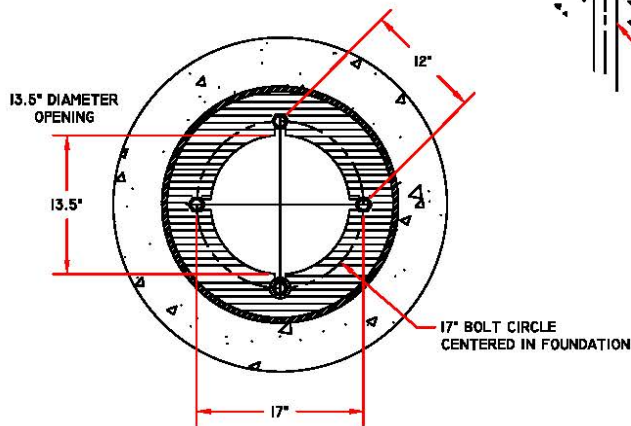
**ELEVATION
DRILLED SHAFT FOUNDATION
(NOT TO SCALE)**



**SECTION
NOT TO SCALE**



**POLE BASE & FOUNDATION
CUT-AWAY
(NOT TO SCALE)**

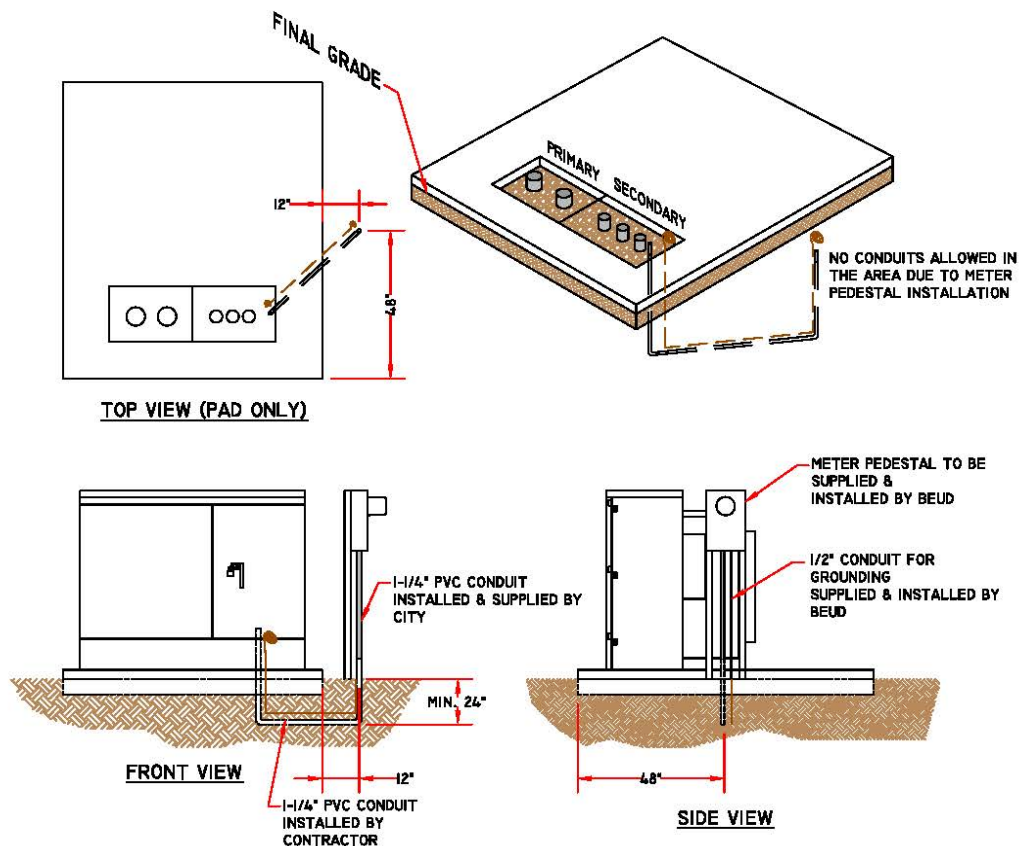


1/31/2014



**STREET LIGHT FOUNDATION
FOR 22' COMMERCIAL LIGHTS**

DS-1416



NOTES:

1. 1-1/4" PVC CONDUIT FOR METERING TO BE INSTALLED BY CONTRACTOR. MUST BE STUBBED UP 12" FROM SIDE OF CONCRETE PAD AND 48" FROM FRONT EDGE OF CONCRETE PAD.
2. #6 BARE COPPER FOR GROUNDING TO BE INSTALLED BY CONTRACTOR. MUST BE DIRECT BURIED OUTSIDE 1 1/2" PVC CONDUIT IN THE SAME DITCH WITH MIN. 6 FT LENGTH COILED AT EACH END.
3. ELECTRICAL CONTRACTOR REQUIRED TO LAND SECONDARY CONDUCTORS WITH TWO HOLE TERMINAL LUGS USING (2) 1/2" BRASS HEX BOLTS, (4) BRASS FLAT WASHERS, (2) BRASS LOCK WASHERS PER LUG. (BOLT LENGTH AS REQUIRED)
4. CONTRACTOR TO OBTAIN CORRECT MEASUREMENTS FOR CONCRETE PAD FROM CITY OF BENTONVILLE ELECTRIC UTILITIES DEPARTMENT.

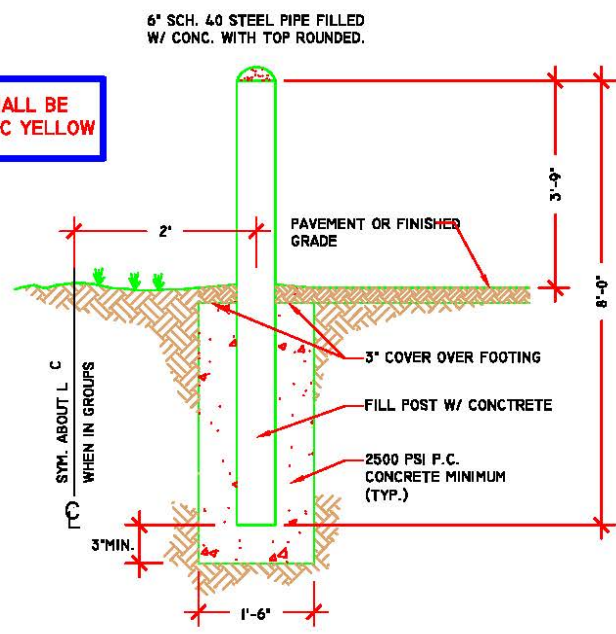
1/31/2014



**TRANSFORMER PAD AND
METER CONFIGURATION FOR
CT'S ON SPADES**

DS-1417

ALL PIPES SHALL BE
PAINTED TRAFFIC YELLOW



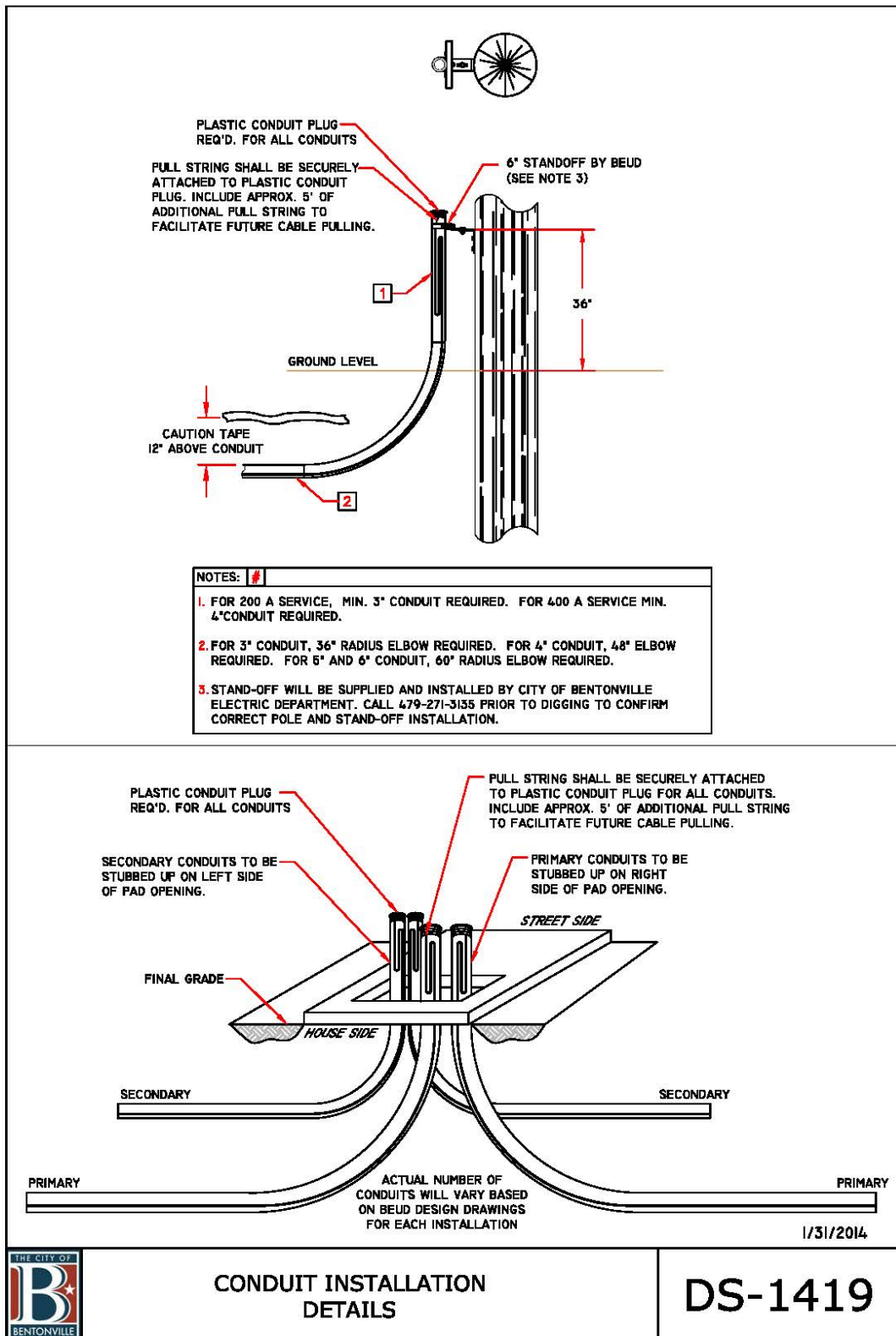
PIPE BOLLARD
N.T.S.

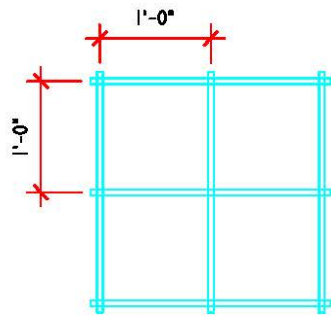
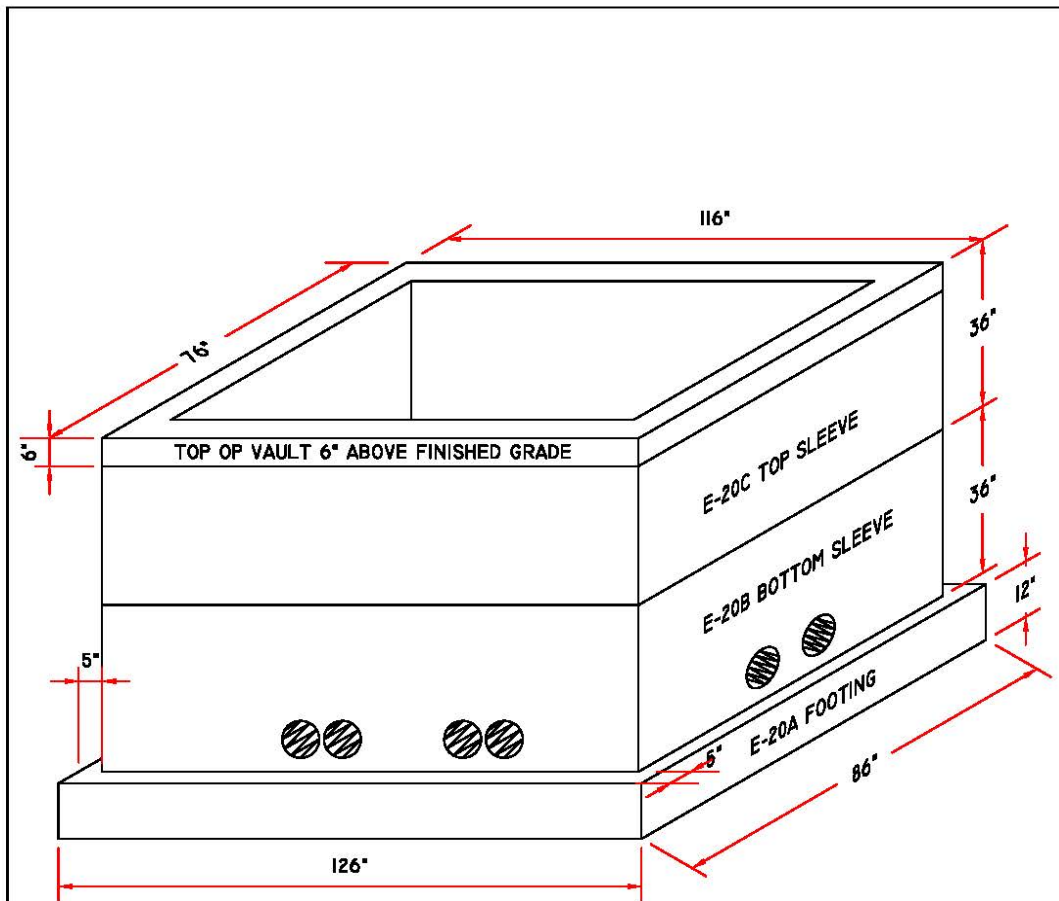
1/31/2014



PIPE BOLLARD DETAIL

DS-1418





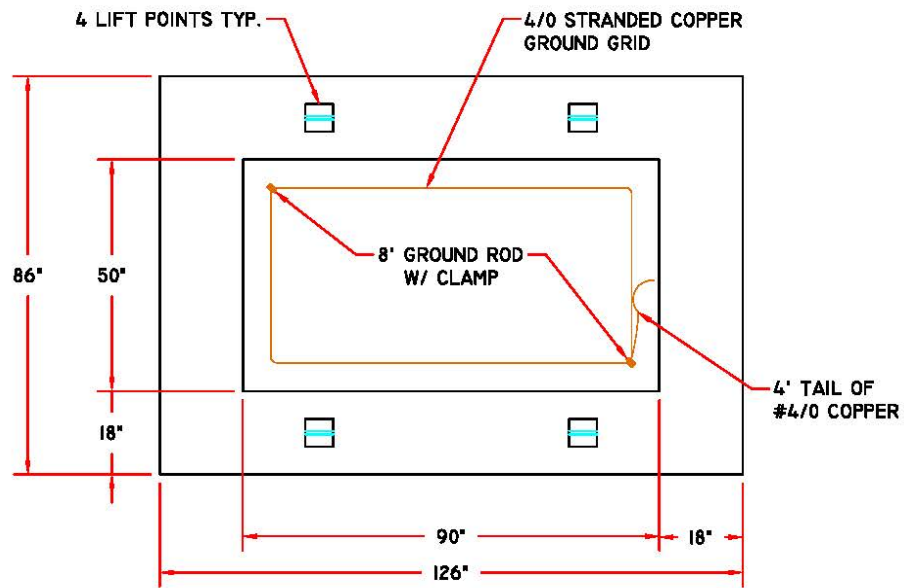
STEEL REINFORCING GRID REQUIRED USING #4 REBAR AT 12" O.C. THROUGHOUT

1/31/2014

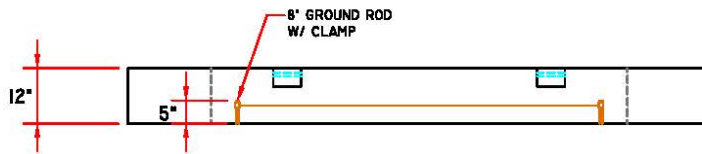


PADMOUNT SWITCHGEAR
VAULT ASSEMBLY

DS-1420



TOP VIEW



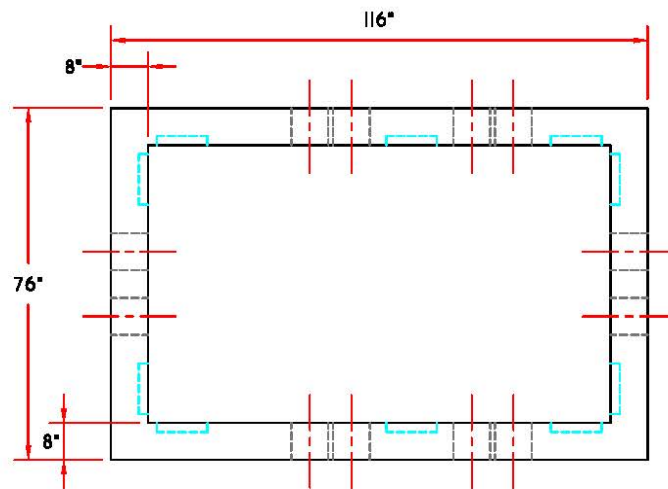
FRONT VIEW

1/31/2014

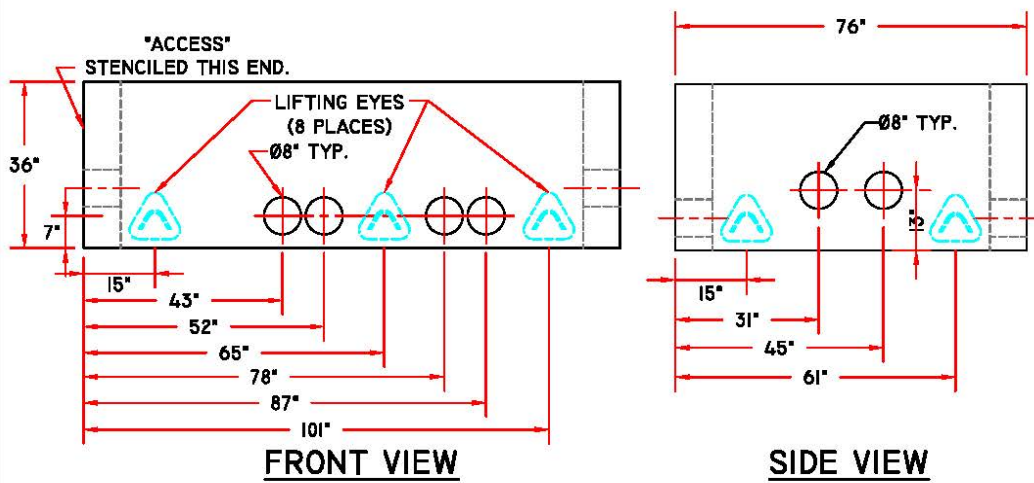


PADMOUNT
SWITCHGEAR VAULT FOOTER

DS-1420A



TOP VIEW



FRONT VIEW

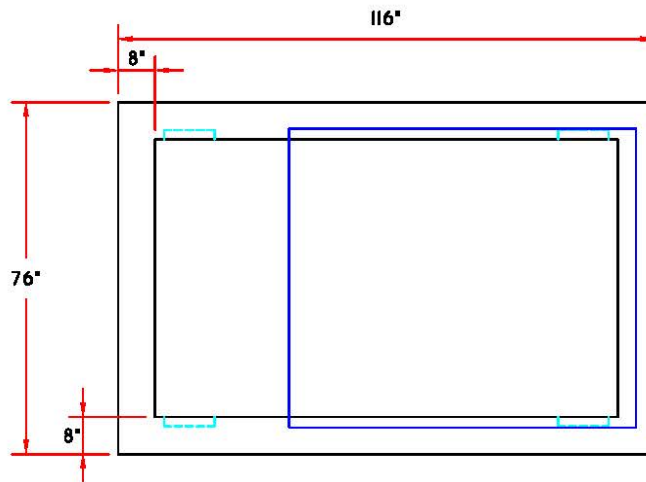
SIDE VIEW

1/31/2014

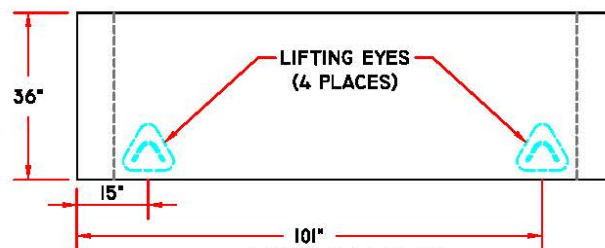


**PADMOUNT SWITCHGEAR
BOTTOM SLEEVE**

DS-1420B



TOP VIEW



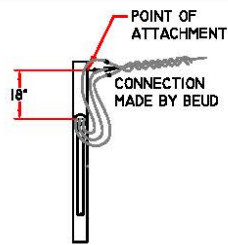
FRONT VIEW

1/31/2014

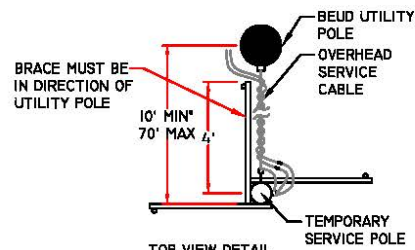


PADMOUNT SWITCHGEAR
TOP SLEEVE

DS-1420C

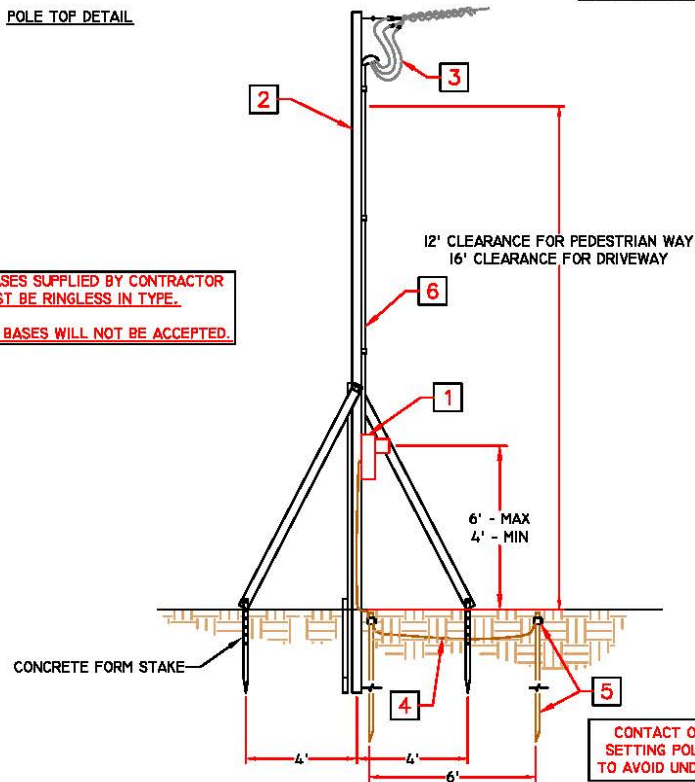


POLE TOP DETAIL



TOP VIEW DETAIL

METER BASES SUPPLIED BY CONTRACTOR
MUST BE RINGLESS IN TYPE.
RING TYPE BASES WILL NOT BE ACCEPTED.



CONTACT ONE-CALL PRIOR TO
SETTING POLE OR GROUND RODS
TO AVOID UNDERGROUND UTILITIES

NOTES: #

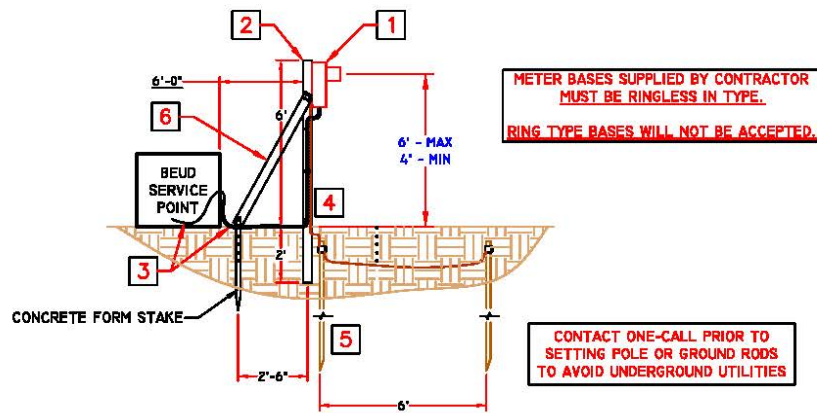
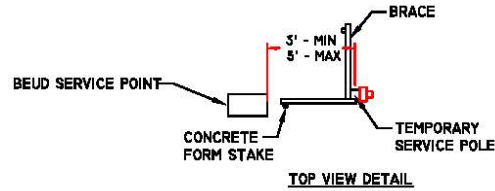
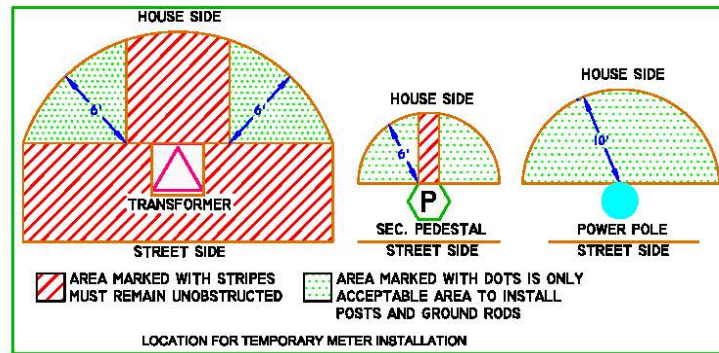
1. RINGLESS METER SOCKET FURNISHED AND INSTALLED BY CUSTOMER USING MINIMUM (2) 2 IN WOOD SCREWS. SEAL ALL HOLES.
2. 20'-0" MINIMUM PENTA TREATED PINE POLE (5" MIN. DIAMETER TOP ROUND POLE OR 4"x6" POST). TALLER POLE MAY BE REQUIRED.
3. MINIMUM CONDUCTORS ALLOWED #6 COPPER OR #4 ALUMINUM, NEUTRAL SHALL BE IDENTIFIED. MINIMUM LENGTH OF CONDUCTOR EXTENDING 2 FEET.
4. GROUNDING CONDUCTOR MINIMUM SIZE #6 COPPER.
5. CUSTOMER TO FURNISH AND INSTALL (2) 5/8" DIA. X 8' DRIVEN GROUND RODS, COPPER OR COPPER CLAD. 2 LOCATIONS PER NEC 250.53(A)(2). USE COPPER OR BRONZE GROUND ROD CONNECTORS OR CLAMPS.
6. GALVANIZED RIGID STEEL, IMC, OR PVC SCHEDULE 80 CONDUIT.

1/31/2014



BRACED TEMPORARY
SERVICE POLE

DS-1001



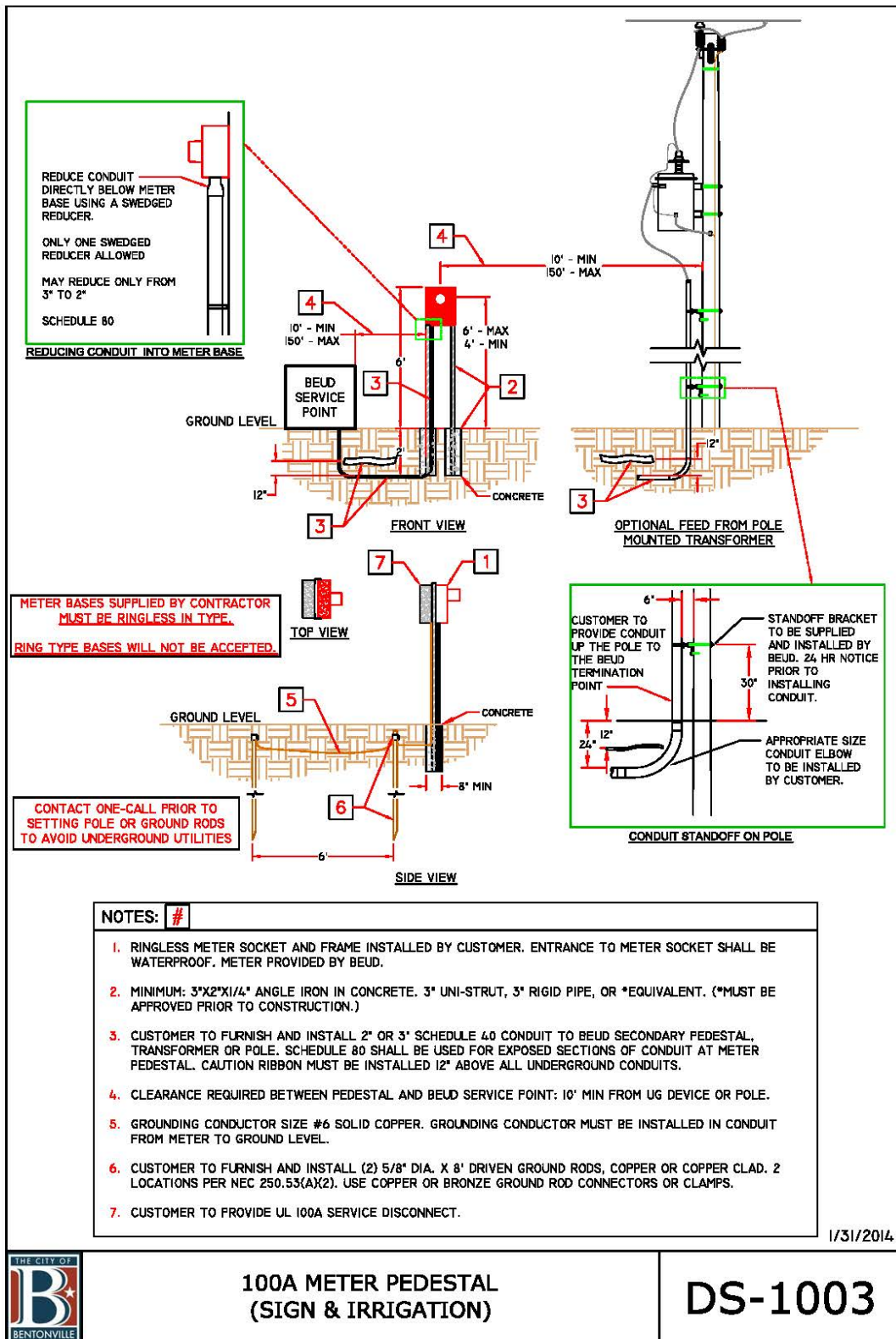
- NOTES: #
1. RINGLESS METER SOCKET FURNISHED AND INSTALLED BY CUSTOMER. ENTRANCE TO METER SOCKET SHALL BE WATERPROOF.
 2. CUSTOMER TO FURNISH AND INSTALL PENTA TREATED 8' PINE POLE OR 4"x4" POST. NO LANDSCAPE TIMBER OR RAILROAD TIES ACCEPTED.
 3. MINIMUM CONDUCTORS ALLOWED #6 COPPER OR #4 ALUMINUM. MAXIMUM #2 TRIPLEX. NEUTRAL SHALL BE IDENTIFIED. CONTRACTOR TO FURNISH CONDUCTORS AND FLEXIBLE CONDUIT TO BEUD SERVICE POINT. PROVIDE ADDITIONAL 3' OF EXPOSED CONDUCTORS FOR TERMINATION. NO SPLICES OR TAPS SHALL BE LOCATED IN THE CONDUCTOR.
 4. GROUNDING CONDUCTOR MINIMUM SIZE #6 COPPER.
 5. CUSTOMER TO FURNISH AND INSTALL (2) 5/8" DIA. X 8' DRIVEN GROUND RODS, COPPER OR COPPER CLAD. 2 LOCATIONS PER NEC 250.53(A)(2). USE COPPER OR BRONZE GROUND ROD CONNECTORS OR CLAMPS.
 6. BRACES MUST NOT BE INSTALLED AS TO OBSTRUCT UTILITY CONNECTION POINT OPENING

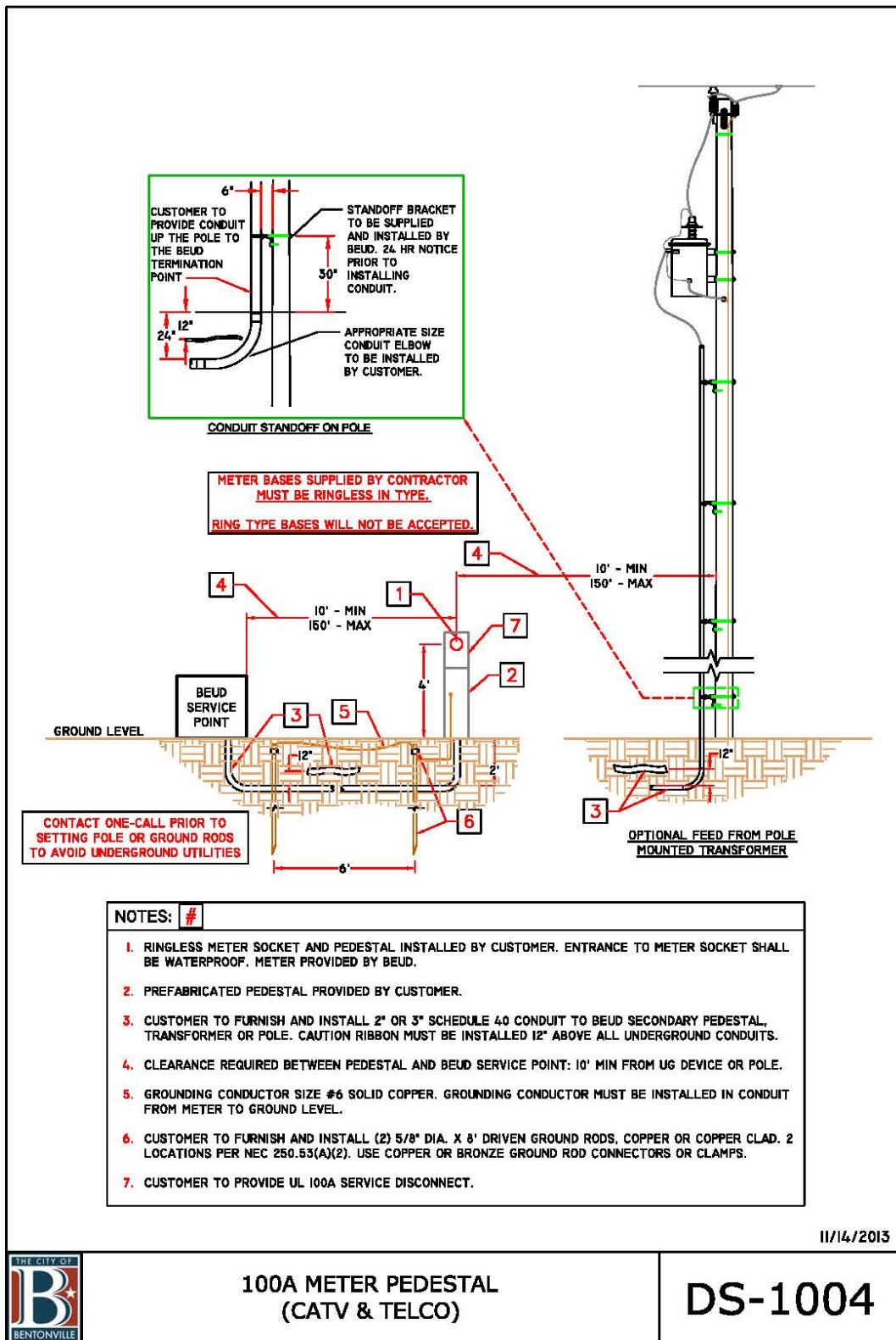
1/31/2014

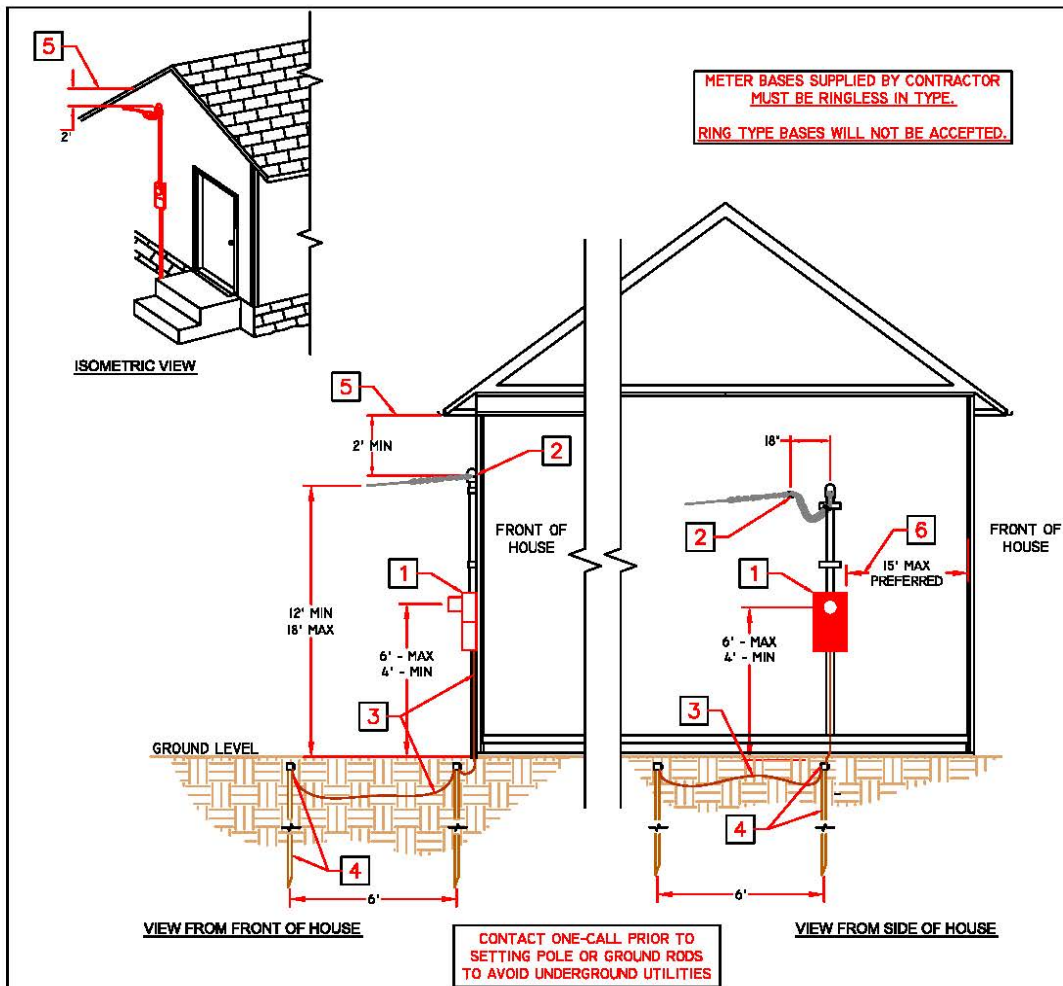


TEMPORARY UNDERGROUND SERVICE

DS-1002





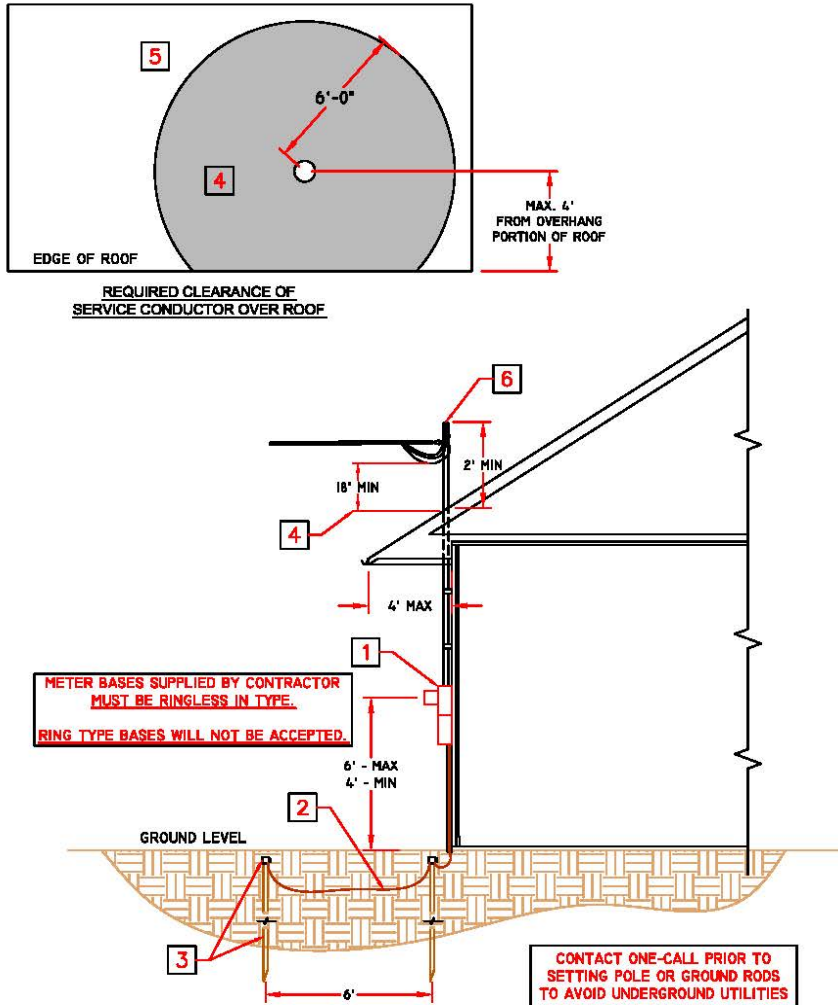


1/31/2014



200A RESIDENTIAL OVERHEAD SERVICE

DS-1005



NOTES: #

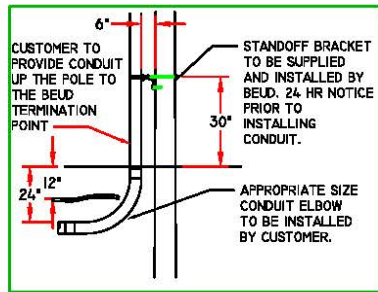
1. RINGLESS METER/MAIN COMBO PROVIDED AND INSTALLED BY CUSTOMER. ENTRANCE TO METER SOCKET SHALL BE WATERPROOF. METER PROVIDED BY BEUD.
2. GROUNDING CONDUCTOR SIZE #6 SOLID COPPER. GROUNDING CONDUCTOR MUST BE INSTALLED IN CONDUIT FROM METER TO GROUND LEVEL.
3. CUSTOMER TO FURNISH AND INSTALL (2) 5/8" DIA. X 8' DRIVEN GROUND RODS, COPPER OR COPPER CLAD. 2 LOCATIONS PER NEC 250.53(A)(2). USE COPPER OR BRONZE GROUND ROD CONNECTORS OR CLAMPS.
4. MUST MAINTAIN 18" VERTICAL CONDUCTOR CLEARANCE WITHIN 6' RADIUS OF MAST.
5. MUST MAINTAIN 36" MINIMUM VERTICAL CONDUCTOR CLEARANCE OUTSIDE OF 6'-0" RADIUS OF SERVICE MAST.
6. SERVICE ENTRANCE MAST MUST BE MINIMUM 2" GALVANIZED RIGID ELECTRICAL CONDUIT. NO COUPLINGS ABOVE THE ROOF LINE. CUSTOMER TO PROVIDE AND INSTALL SERVICE MAST CLAMP. MASTS GREATER THAN 3', CONTACT BEUD FOR REQUIREMENTS.

1/31/2014

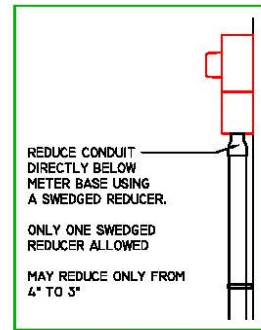


200A RESIDENTIAL
OVERHEAD SERVICE
MAST THRU ROOF

DS-1006

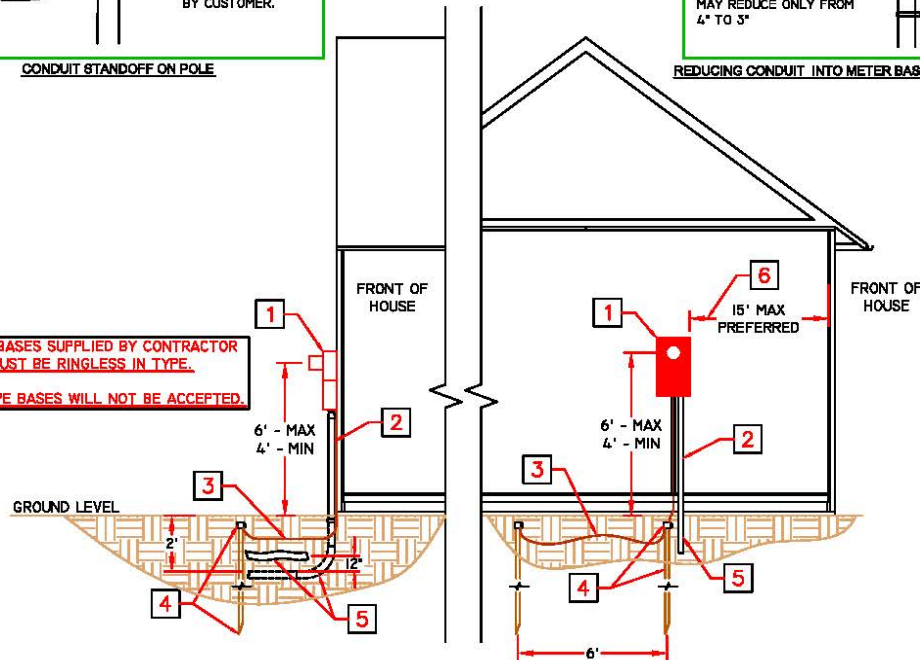


CONDUIT STANDOFF ON POLE



REDUCING CONDUIT INTO METER BASE

METER BASES SUPPLIED BY CONTRACTOR MUST BE RINGLESS IN TYPE.
RING TYPE BASES WILL NOT BE ACCEPTED.



VIEW FROM FRONT OF HOUSE

CONTACT ONE-CALL PRIOR TO SETTING POLE OR GROUND RODS TO AVOID UNDERGROUND UTILITIES

VIEW FROM SIDE OF HOUSE

NOTES:

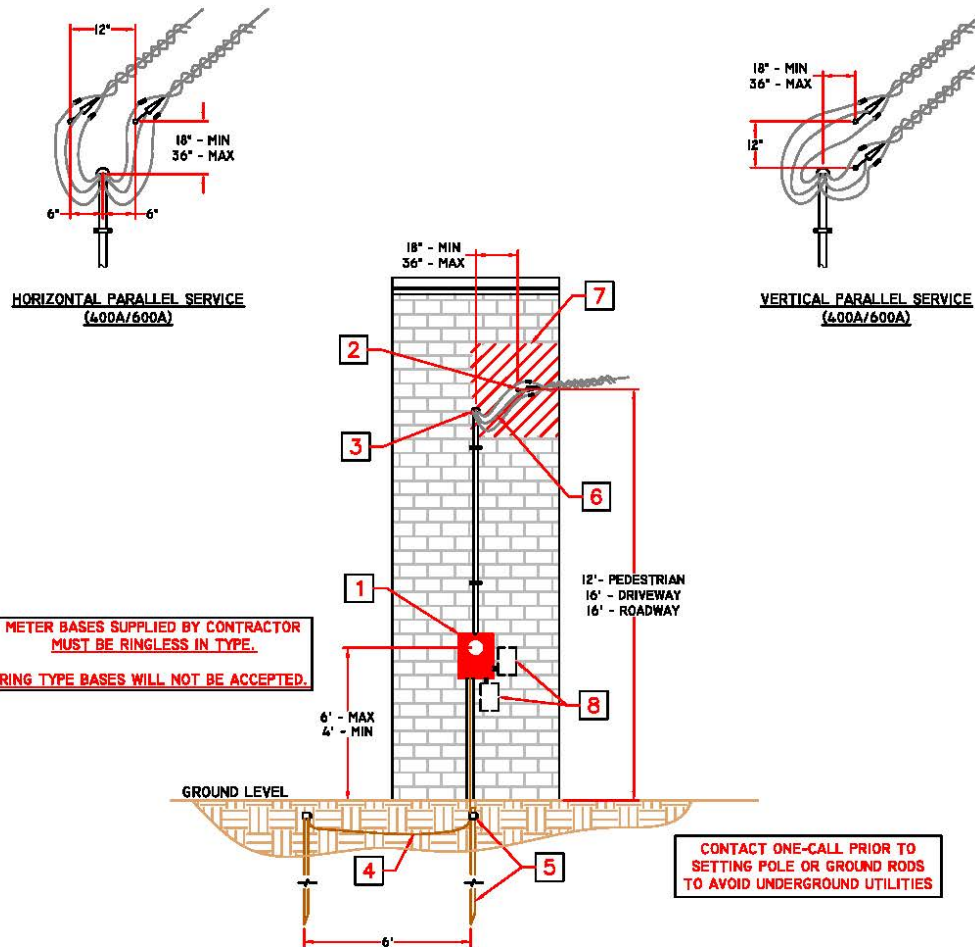
1. RINGLESS METER/MAIN COMBO PROVIDED AND INSTALLED BY CUSTOMER. MUST BE MOUNTED WITHIN 15' OF EDGE OF STRUCTURE CLOSEST TO BEUD UTILITY SERVICES.
2. GALVANIZED RIGID STEEL, IMC, OR PVC SCHEDULE 80 CONDUIT. REDUCE CONDUIT DIRECTLY BELOW METER BASE USING A SWEDGED REDUCER. ONLY ONE SWEDGED REDUCER ALLOWED. MAY REDUCE FROM 4" TO 3" ONLY.
3. GROUNDING CONDUCTOR SIZE #6 SOLID COPPER. GROUNDING CONDUCTOR MUST BE INSTALLED IN CONDUIT FROM METER TO GROUND LEVEL.
4. CUSTOMER TO FURNISH AND INSTALL (2) 5/8" DIA. X 8' DRIVEN GROUND RODS, COPPER OR COPPER CLAD. 2 LOCATIONS PER NEC 250.53(A)(2). USE COPPER OR BRONZE GROUND ROD CONNECTORS OR CLAMPS.
5. CUSTOMER TO FURNISH AND INSTALL 3" CONDUIT USING 12" RADIUS SWEEPS TO BEUD SECONDARY PEDESTAL, TRANSFORMER OR POLE. CAUTION RIBBON MUST BE INSTALLED 12" ABOVE ALL UNDERGROUND SECONDARY CONDUITS.
6. OPTIONAL POSITIONS FOR MAIN DISCONNECT OR SHUNT TRIP.

1/31/2014



200A RESIDENTIAL UNDERGROUND SERVICE

DS-1007



NOTES: #

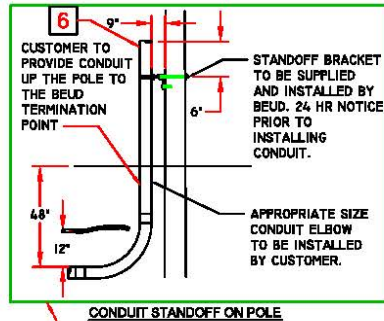
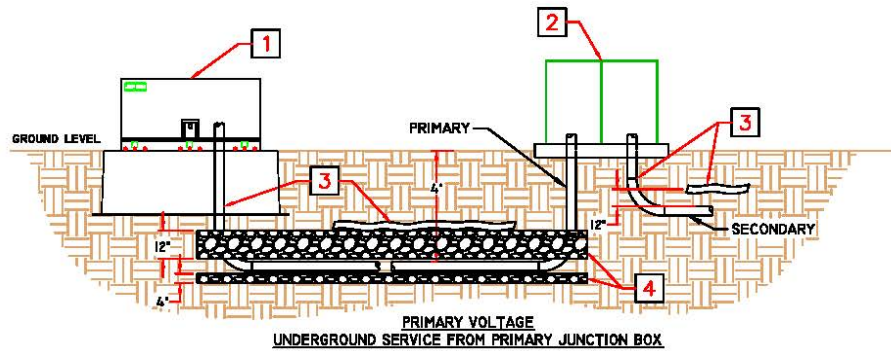
1. RINGLESS METER SOCKET INSTALLED BY CUSTOMER. ENTRANCE TO METER SOCKET SHALL BE WATERPROOF. METER PROVIDED BY BEUD.
2. SERVICES ATTACHED TO A BUILDING MUST BE STRUCTURALLY CONNECTED TO THE BUILDING USING A MINIMUM 3/8" EYE BOLT WITH 2 1/4" SQUARE WASHER AND SERVICE ENTRANCE MUST BE MINIMUM 2" ELECTRICAL CONDUIT. SERVICE SHALL NOT BE CONNECTED TO METER RISER.
3. SERVICE WEATHERHEAD TO BE WITHIN 18" MIN AND 36" MAX OF POINT OF ATTACHMENT.
4. GROUNDING CONDUCTOR SIZE (SOLID COPPER): 200A - #6; 400A - #4; 600A - #2.
5. CUSTOMER TO FURNISH AND INSTALL (2) 5/8" DIA. X 8' DRIVEN GROUND RODS, COPPER OR COPPER CLAD. 2 LOCATIONS PER NEC 250.53(A)(2). USE COPPER OR BRONZE GROUND ROD CONNECTORS OR CLAMPS.
6. CUSTOMER TO PROVIDE 4' OF CONDUCTOR FROM WEATHERHEAD.
7. NO CATV OR TELCO ATTACHMENTS ALLOWED WITHIN 40" OF BEUD ATTACHMENT POINT(S). SHOWN BY HATCHED AREA.
8. OPTIONAL POSITIONS FOR MAIN DISCONNECT OR SHUNT TRIP.

1/31/2014

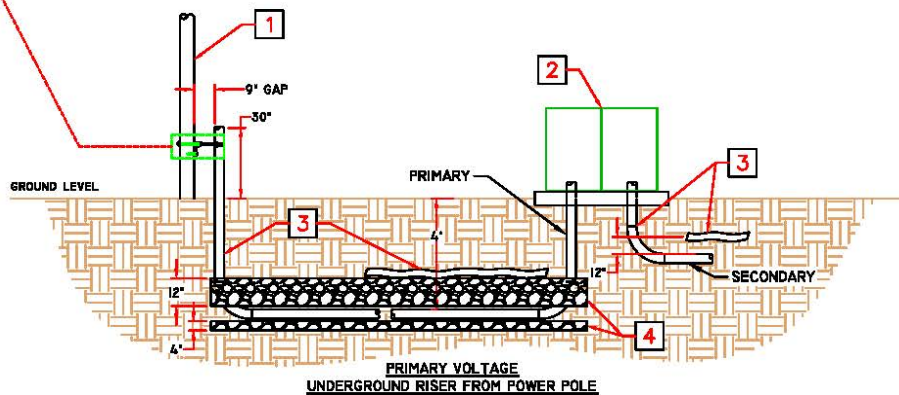


**COMMERCIAL OVERHEAD SERVICE
FOR SELF CONTAINED METERING**

DS-1008



CONTACT ONE-CALL PRIOR TO
SETTING POLE OR GROUND RODS
TO AVOID UNDERGROUND UTILITIES



NOTES: #

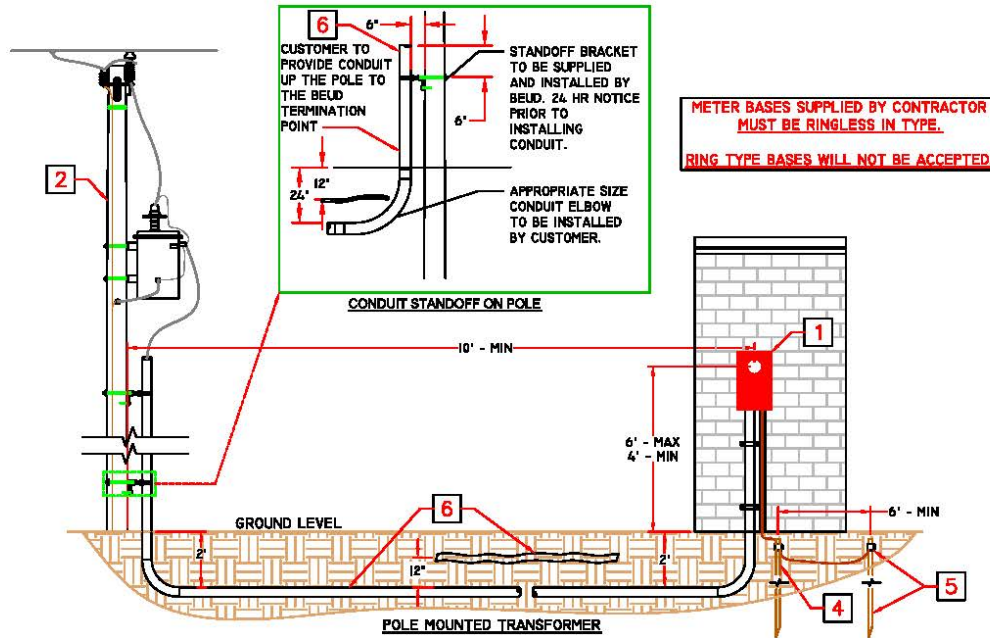
1. BEUD WILL PROVIDE POLE OR PRIMARY JUNCTION BOX AT PREARRANGED TERMINATION POINT FOR CONDUIT.
2. BEUD WILL PROVIDE AND INSTALL PAD-MOUNTED TRANSFORMER AND MAKE ALL TERMINATIONS WITHIN THE ENCLOSURE. REFERENCE DS-1408 & DS-1409 FOR 3PH PAD SPECIFICATIONS. BEUD WILL PROVIDE AND INSTALL IPH TRANSFORMER PAD. REFERENCE DS-1405 FOR EARTH PREPARATIONS AND DS-1406 FOR CONDUIT LAYOUT.
3. CUSTOMER TO PROVIDE AND INSTALL PRIMARY AND SECONDARY CONDUIT AS REQUIRED. ALL PRIMARY CONDUITS MUST USE 48" LONG SWEEP ELBOWS AT 90° BENDS. EXTEND CONDUIT 6" ABOVE STAND-OFF. CONTACT BEUD 48 HOURS PRIOR TO INSTALLATION OF CONDUIT. CAUTION RIBBON MUST BE INSTALLED 12" ABOVE PRIMARY AND SECONDARY UNDERGROUND CONDUITS.
4. CUSTOMER TO PROVIDE AND INSTALL CLASS 67 GRAVEL BEDDING IN 12" WIDE TRENCH FOR PRIMARY CONDUIT. 4" OF GRAVEL BELOW CONDUIT, 6" OF GRAVEL ON BOTH SIDES AND 12" OF GRAVEL ABOVE CONDUIT.

1/31/2014

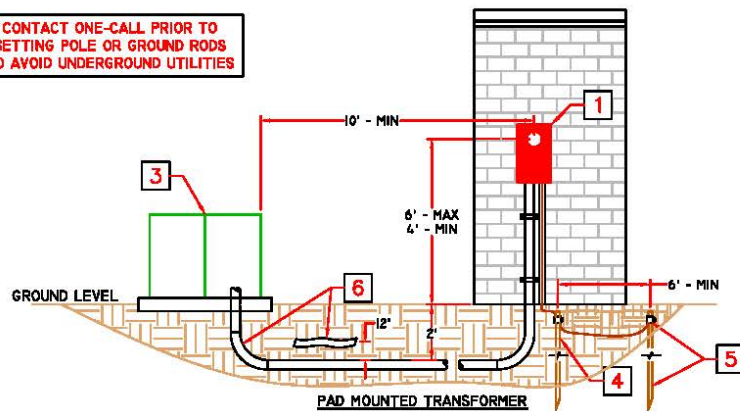


PRIMARY CONDUIT INSTALLATION

DS-1009



CONTACT ONE-CALL PRIOR TO SETTING POLE OR GROUND RODS TO AVOID UNDERGROUND UTILITIES



NOTES: #

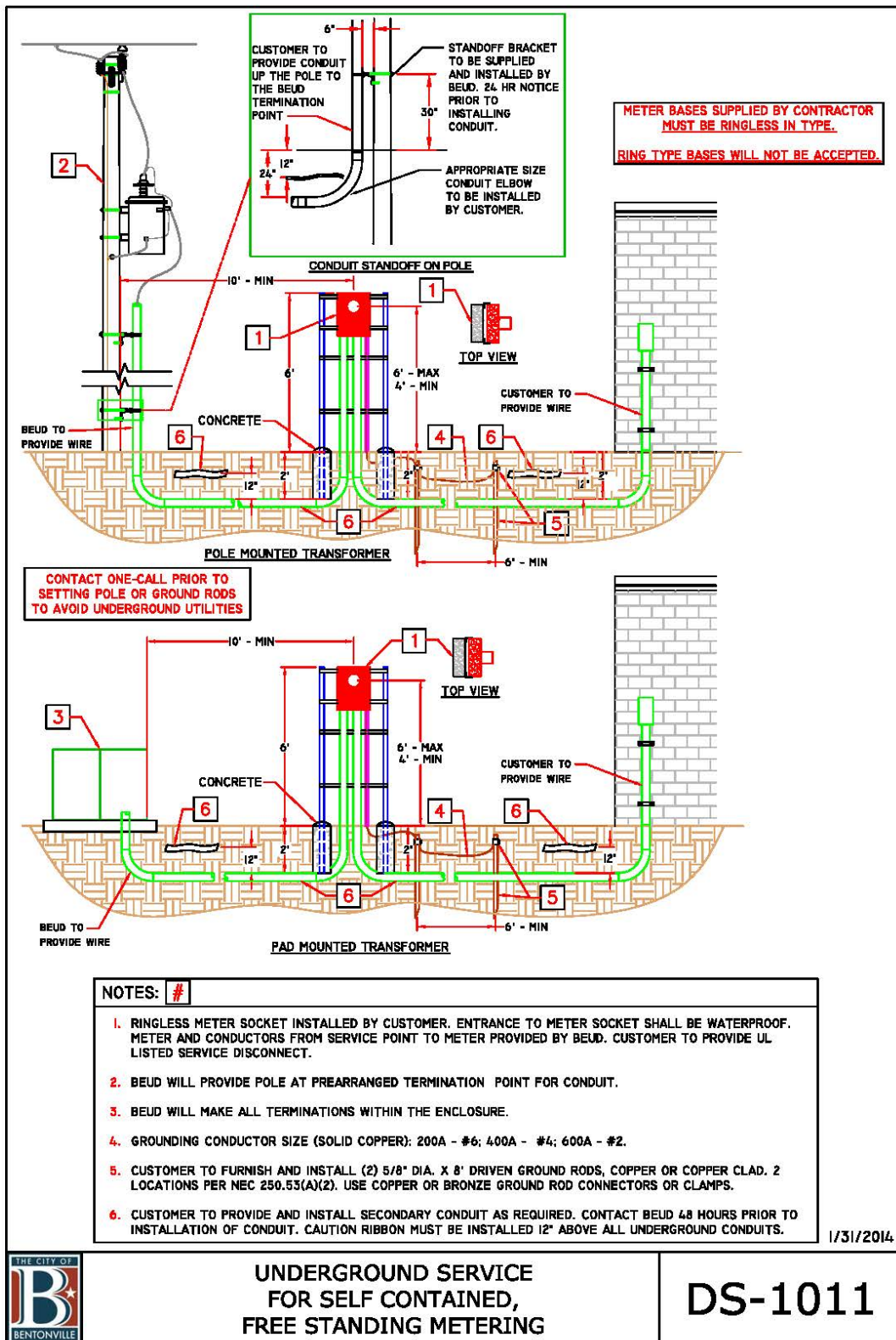
1. RINGLESS METER/MAIN COMBO PROVIDED AND INSTALLED BY CUSTOMER. ENTRANCE TO METER SOCKET SHALL BE WATERPROOF. METER PROVIDED BY BEUD.
2. BEUD WILL PROVIDE POLE AT PREARRANGED TERMINATION POINT FOR CONDUIT.
3. BEUD WILL MAKE ALL TERMINATIONS WITHIN THE EXISTING ENCLOSURE.
4. GROUNDING CONDUCTOR SIZE (SOLID COPPER): 200A - #6; 400A - #4; 600A - #2.
5. CUSTOMER TO FURNISH AND INSTALL (2) 5/8" DIA. X 8' DRIVEN GROUND RODS, COPPER OR COPPER CLAD. 2 LOCATIONS PER NEC 250.53(A)(2). USE COPPER OR BRONZE GROUND ROD CONNECTORS OR CLAMPS.
6. CUSTOMER TO PROVIDE AND INSTALL SECONDARY CONDUIT AS REQUIRED: 3" MINIMUM. CONTACT BEUD 48 HOURS PRIOR TO INSTALLATION OF CONDUIT. EXTEND CONDUIT 6' ABOVE STAND-OFF. CAUTION RIBBON MUST BE INSTALLED 12" ABOVE ALL SECONDARY UNDERGROUND CONDUITS.

1/31/2014



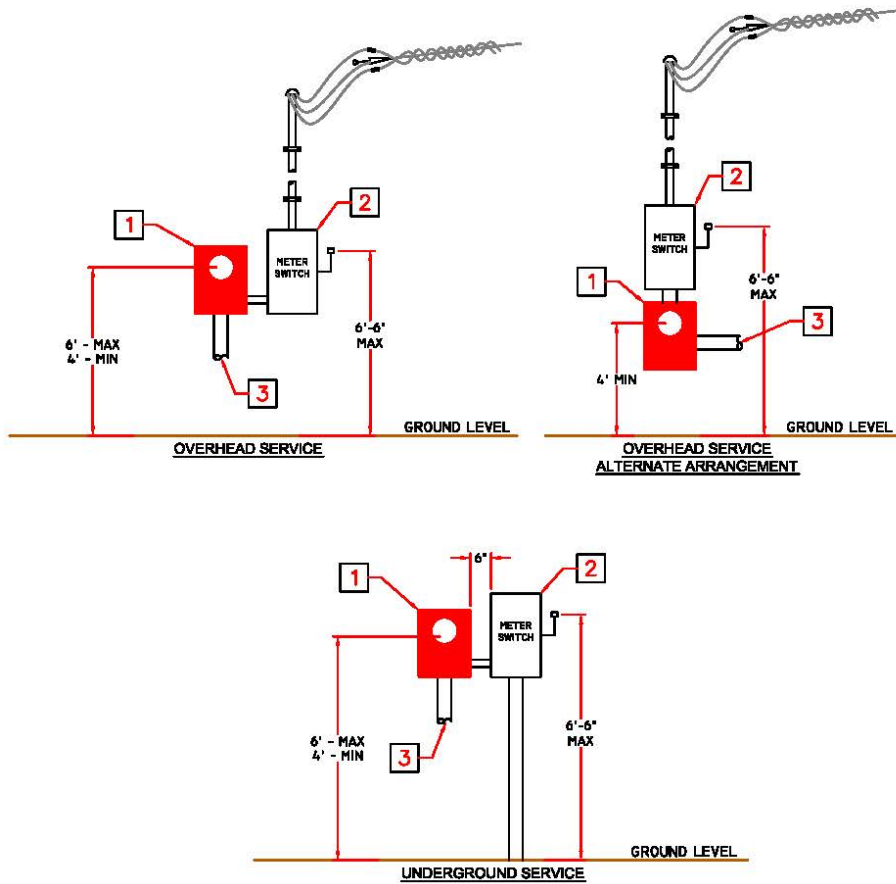
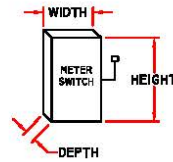
**UNDERGROUND SERVICE
FOR SELF CONTAINED METERING**

DS-1010



**METER BASES SUPPLIED BY CONTRACTOR
MUST BE RINGLESS IN TYPE.
RING TYPE BASES WILL NOT BE ACCEPTED.**

METER SWITCH DIMENSIONS (INCHES)			
AMPS	200	400	600
HEIGHT	29-1/4	50-1/4	50-1/4
WIDTH	17-1/4	27-5/8	27-7/8
DEPTH	8-1/2	9-1/2	10-1/8



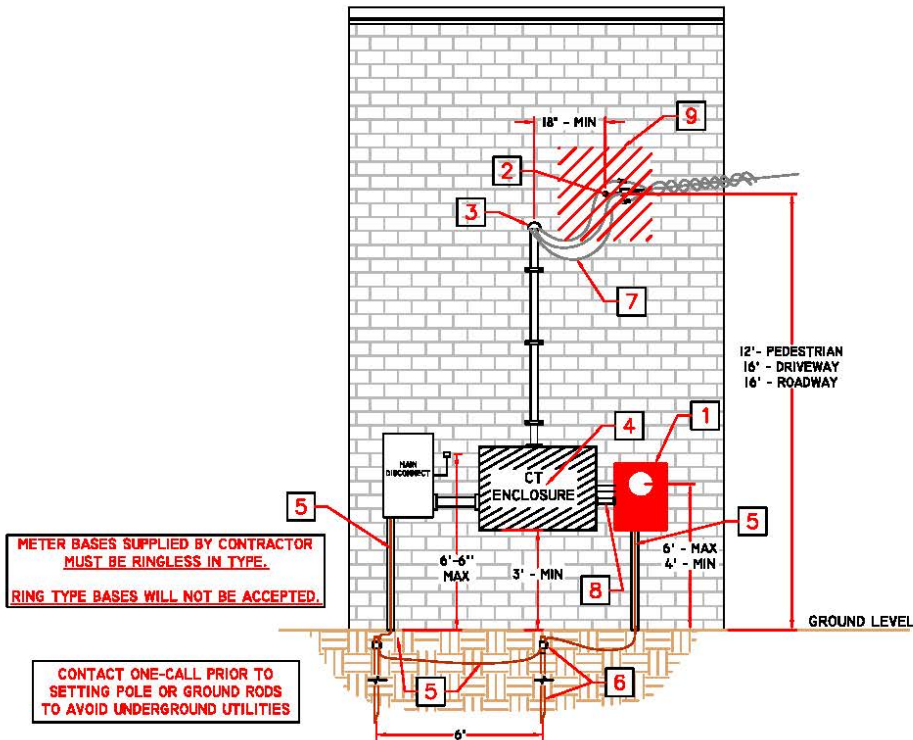
- NOTES:** #
1. METER SOCKET INSTALLED BY CUSTOMER. ENTRANCE TO METER SOCKET SHALL BE WATERPROOF. METER PROVIDED BY BEUD.
 2. METER SWITCH PROVIDED BY BEUD AND INSTALLED BY CUSTOMER.
 3. TO SERVICE DISCONNECT.
 4. METER SWITCH, METER SOCKET AND CUSTOMER PROVIDED SERVICE DISCONNECT ENCLOSURES MUST BE CONNECTED TO GROUND RODS WITH APPROPRIATELY SIZED CONDUCTOR PER LATEST EDITION OF NEC ADOPTED BY ARKANSAS.

1/31/2014



**COMMERCIAL SERVICE
480V DISCONNECT
SELF CONTAINED METERING**

DS-1012



NOTES: #

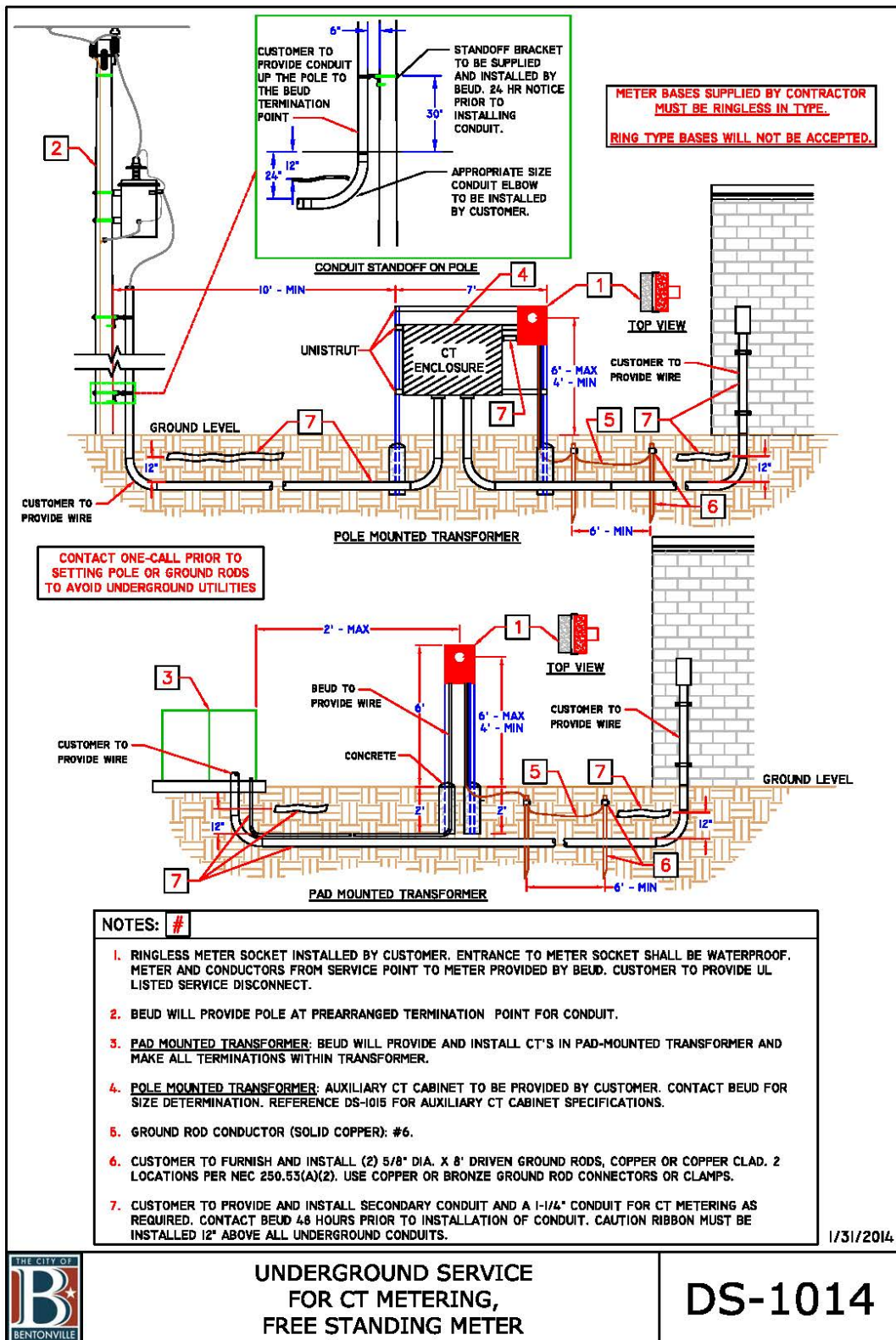
1. RINGLESS METER SOCKET INSTALLED BY CUSTOMER. ENTRANCE TO METER SOCKET SHALL BE WATERPROOF. METER PROVIDED BY BEUD.
2. SERVICES ATTACHED TO A BUILDING MUST BE STRUCTURALLY CONNECTED TO THE BUILDING USING A MINIMUM 5/8\" EYE BOLT WITH 2 1/4\" SQUARE WASHER AND SERVICE ENTRANCE MUST BE MINIMUM 2\" ELECTRICAL CONDUIT. SERVICE SHALL NOT BE CONNECTED TO METER RISER.
3. SERVICE WEATHERHEAD TO BE WITHIN 18\" MIN AND 36\" MAX OF POINT OF ATTACHMENT.
4. AUXILIARY CT CABINET TO BE PROVIDED BY CUSTOMER. CONTACT BEUD FOR SIZE DETERMINATION. REFERENCE DS-1015 FOR AUXILIARY CT CABINET SPECIFICATIONS.
5. SERVICE GROUNDING CONDUCTOR SIZE (SOLID COPPER): 600A - #2; 800A - #1/0.
METER GROUNDING CONDUCTOR SIZE (SOLID COPPER): #6
6. CUSTOMER TO FURNISH AND INSTALL (2) 5/8\" DIA. X 8' DRIVEN GROUND RODS, COPPER OR COPPER CLAD. 2 LOCATIONS PER NEC 250.53(A)(2). USE COPPER OR BRONZE GROUND ROD CONNECTORS OR CLAMPS.
7. CUSTOMER TO PROVIDE 4' OF CONDUCTOR FROM WEATHERHEAD.
8. CUSTOMER TO PROVIDE A 1-1/4\" CONDUIT FOR CT METERING AS REQUIRED.
9. NO ATTACHMENTS ALLOWED WITHIN 40\" OF BEUD ATTACHMENT POINT(S). SHOWN BY HATCHED AREA.

1/31/2014



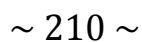
**COMMERCIAL OVERHEAD SERVICE
FOR CT METERING**

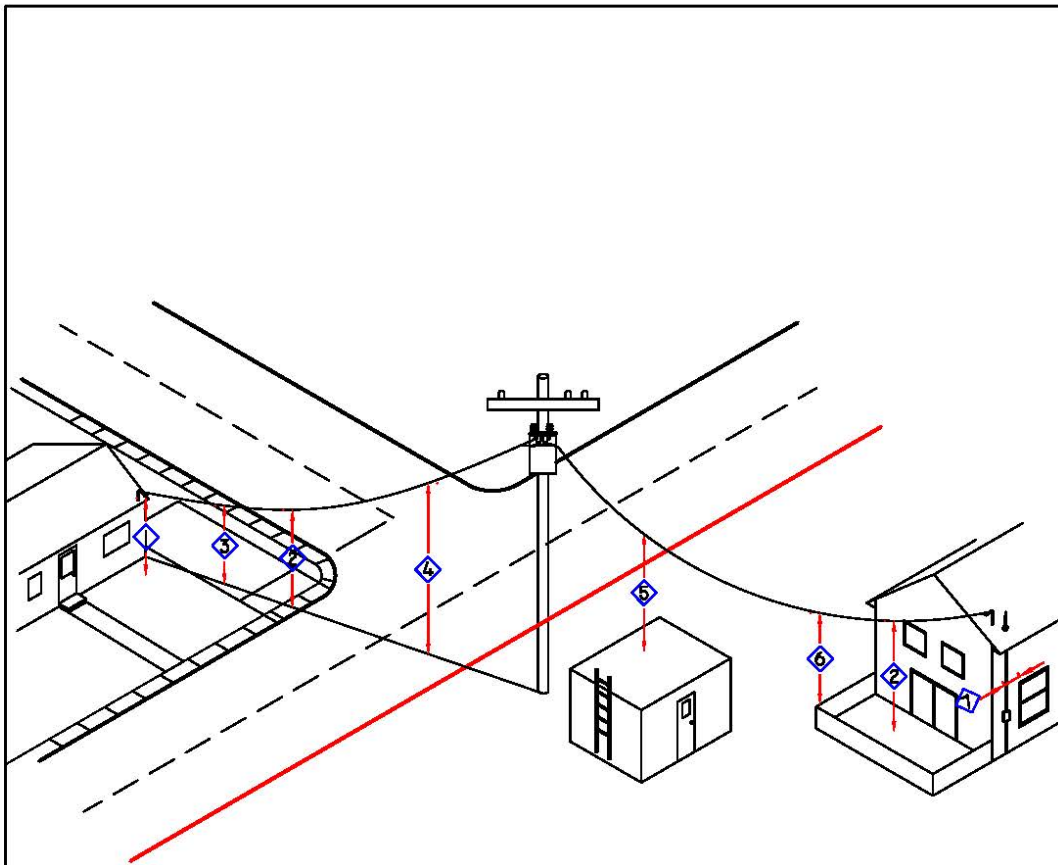
DS-1013



UNDERGROUND SERVICE FOR CT METERING, FREE STANDING METER

DS-1014





NOTES:

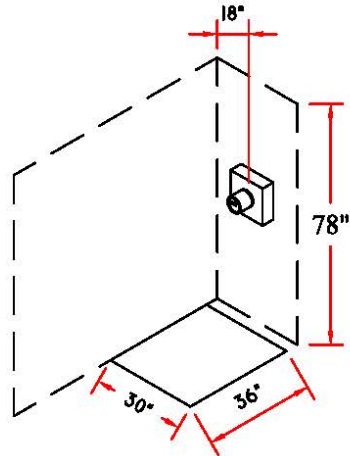
1. 12' MINIMUM VERTICAL CLEARANCE (INCLUDING DRIP LOOP) OVER RESIDENTIAL PROPERTY ACCESSIBLE TO PEDESTRIANS ONLY. REFER TO NESC TABLE 232-I IF BUILDING HEIGHT DOES NOT ALLOW THIS CLEARANCE.
2. 12' MINIMUM VERTICAL CLEARANCE OVER RESIDENTIAL PROPERTY ACCESSIBLE TO PEDESTRIANS. NESC TABLE 231-I
3. 16' MINIMUM VERTICAL CLEARANCE OVER RESIDENTIAL PRIVATE DRIVEWAYS. NESC TABLE 231-I
4. 18' MINIMUM VERTICAL CLEARANCE OVER ROADS, STREETS, AND OTHER AREAS SUBJECT TO TRUCK TRAFFIC. NEC 230.24(B)(4)
5. 11' MINIMUM VERTICAL CLEARANCE OVER ADJACENT, ACCESSIBLE ROOFS. NESC TABLE 234-I.
6. 10' MINIMUM VERTICAL CLEARANCE OVER ATTACHED BALCONIES, PORCHES, OR DECKS READILY ACCESSIBLE TO PEDESTRIANS. NESC 234(C)(3)(d)(i)
7. 3' MINIMUM VERTICAL AND HORIZONTAL CLEARANCE FROM WINDOW OR DOOR OPENINGS. NESC 234(C)(3)(d)(i)

11/4/2013

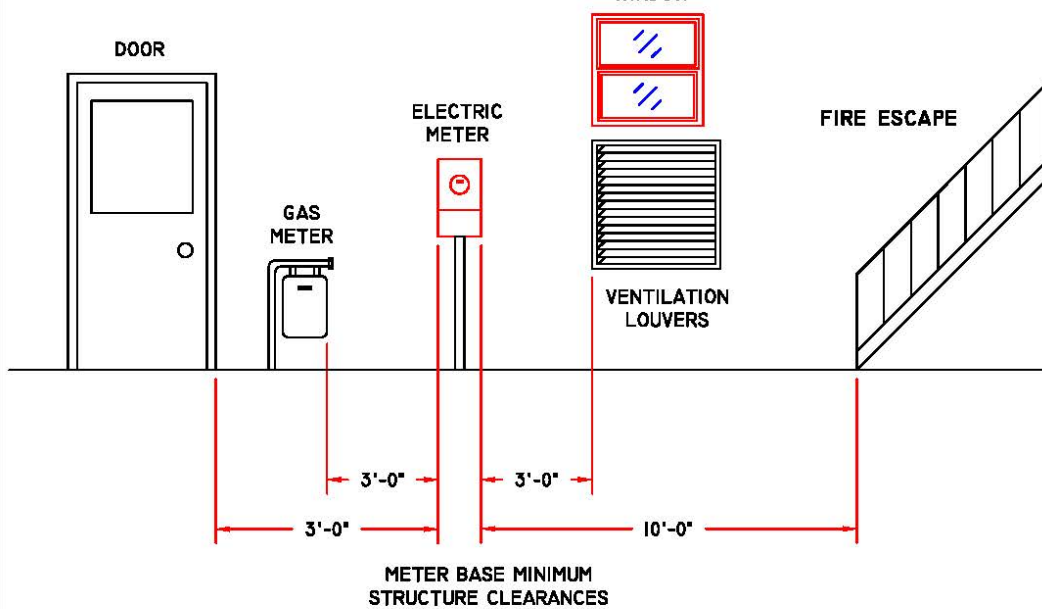


**SECONDARY CONDUCTOR CLEARANCE
REQUIREMENTS**

DS-1016



METER BASE MINIMUM
WORKING CLEARANCE



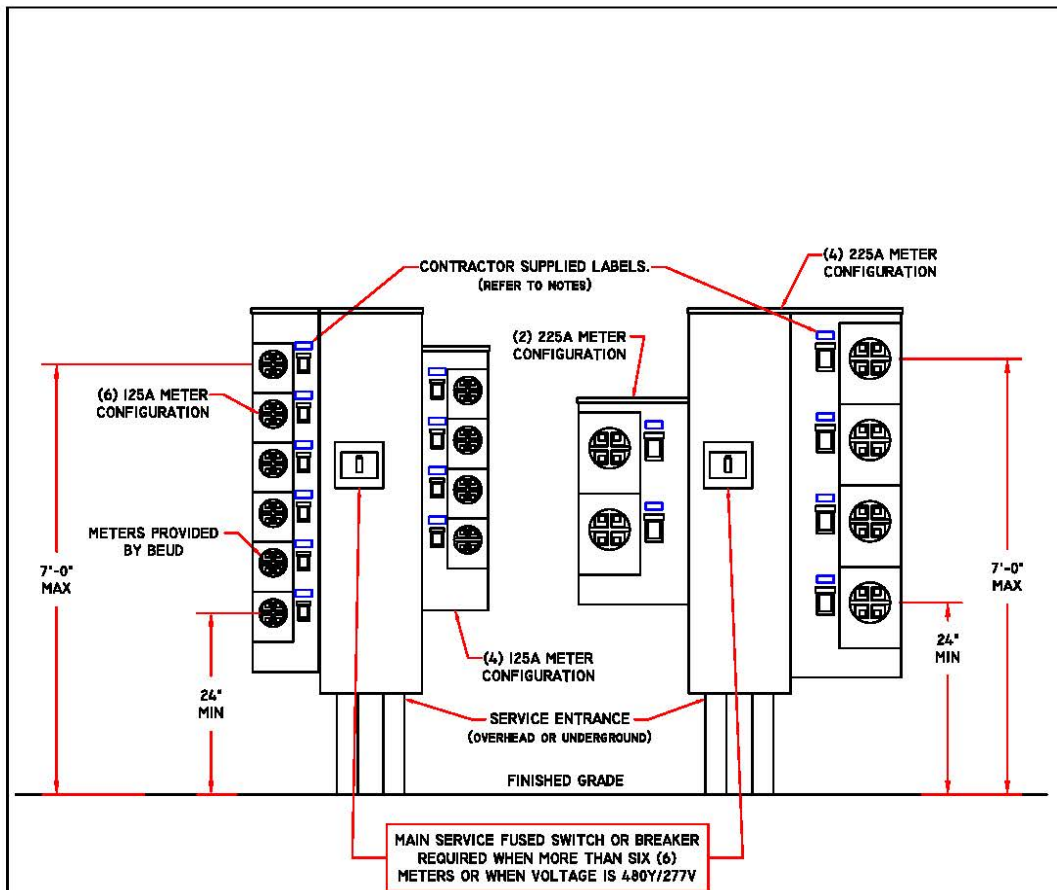
METER BASE MINIMUM
STRUCTURE CLEARANCES

11/4/2013



METER CLEARANCE REQUIREMENTS

DS-1017



LABEL SPECIFICATIONS	
1.	ENGRAVED PHENOLIC LABELS SHALL BE USED.
2.	LABELS SHALL HAVE PLAIN BLOCK LETTER OR NUMBER WITH A CONTRASTING BACKGROUND
3.	BLOCK LETTERS ARE TO BE A MINIMUM OF 1-1/2" IN HEIGHT.
4.	LABELS SHALL CLEARLY INDICATE CORRESPONDING UNIT SERVED BY EACH METER.
5.	LABELS WILL NOT BE PLACED SUCH THAT THEY OBSCURE ANY INFORMATION PRINTED OR LABELED ON THE EQUIPMENT.
6.	POSITION THE LABEL SO THAT IT IS READILY VISIBLE AND THAT IT IS OBVIOUS WHAT EQUIPMENT THE LABEL DESCRIBES.
7.	LABELS SHALL BE SMOOTHLY ATTACHED TO THE METERING EQUIPMENT WITH NO OVERLAPS, PROTRUSIONS OR SHARP EDGES AND CORNERS.
8.	LABELS SHALL BE APPLIED IN A CRAFTPERSON-LIKE MANNER AND NEVER APPLIED OVER EXISTING PHENOLIC LABELS.
9.	LABELS MAY HAVE SELF-ADHESIVE BACKS TO AID IN INSTALLATION, BUT EACH LABEL SHALL HAVE AT LEAST 2 HOLES (LARGER LABELS MUST HAVE 4 HOLES) AND BE SECURED TO THE PIECE OF EQUIPMENT WITH APPROPRIATE SIZED POP-RIVETS OR SCREWS TO KEEP THE LABEL FROM BEING UNINTENTIONALLY REMOVED. ALL LABELS SHALL BE INSTALLED AND SECURED WITH POP-RIVETS OR SCREWS BEFORE THEY WILL BE ACCEPTED BY THE CITY OF BENTONVILLE. USE CAUTION WHEN DRILLING AND INSTALLING POP-RIVETS OR SCREW TO AVOID ACCIDENTAL CONTACT WITH CONDUCTORS.

11/4/2013



MULTIPLE METER INSTALLATION REQUIREMENTS

DS-1018

ORDINANCE NO. _____

**AN ORDINANCE TO ADOPT REVISED BENTONVILLE
ELECTRIC UTILITY DEPARTMENT CONSTRUCTION
SPECIFICATIONS.**

**NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL FOR
THE CITY OF BENTONVILLE, ARKANSAS,**

Section 1. That the following code, 3 copies of which are on file with the City Clerk and which have been advertised and made available for public review and inspection for 30 days prior, are hereby adopted by reference as though they were copied herein fully:

Bentonville Electric Utility Department Construction Specifications

Section 2. That any matters in said codes which are contrary to existing ordinances of the City of Bentonville, Arkansas shall prevail, and that any ordinances or parts of ordinances in conflict herewith are hereby repealed.

PASSED and APPROVED this ____ day of _____, 2014.

APPROVED:

MAYOR

ATTEST:

CITY CLERK



CHECK ALL THAT APPLY	
Bid Award	Bid #
Budget Adjustment	
Change Order	
Informational	
X Ordinance	
Resolution	
Other	

AGENDA FORM

CITY COUNCIL MEETING OF:

February 25, 2014

Submitted by: Travis Matlock

Department

Electric

Phone

271-3135

ACTION REQUIRED:

Recommend Mayor and City Council enter into an agreement with Altec for the purchase of telescoping boom (aerial trucks) for the City of Bentonville Electric Department in the amount of \$394,904 for 3 booms.

COST TO CITY:

Cost of this Request: \$394,904

Additional Budget Amount

☒ One time amount

☐ Continuing O and M

Previously Budgeted	\$
Funds Expended to Date	
Remaining Budget	-
Budget Adjustment	-
Remaining After Adjustment	\$ -

Department Head 2/15/14
Date

Purchasing Agent 2/20/14
Date

Finance Director 2/20/14
Date

Staff Attorney 2/20/14
Date

Mayor 2/20/14
Date

This form must be turned into the Mayor's office 7 days prior to the scheduled City Council meeting.

117 WEST CENTRAL AVENUE • BENTONVILLE, AR 72712
www.bentonvillear.com



PLEASE RECYCLE



REQUEST FOR WAIVER OF BID

Date	<u>2/18/2014</u>		
Requested by:	<u>Travis Matlock</u>		
Department:	<u>Electric Department</u>		
DESCRIPTION OF REQUEST:			
Type of Equipment:	<u>Telescoping Boom w/ buckets</u>		
Year & Model:	<u></u>		
Serial #	<u></u>		
To Be Purchased From:	<u>Altec Industries</u>		
	<u>1730 Vanderbilt Road</u>		
	<u>Birmingham, AL 35234</u>		
Amount:	Base Amount:	\$	<u>394,904.00</u>
	Tax:		<u></u>
	*Other:		<u></u>
	TOTAL	\$	<u>394,904.00</u>
* List all other costs:			
JUSTIFICATION FOR REQUEST FOR WAIVER OF BID:			
The City of Bentonville would like to standardize the type of telescoping boom w/ a bucket. For safety, ease of use, and maintenance, Bentonville would like to purchase 3 Altec telescoping booms.			
<u></u> Department Head		<u></u> Director of Finance & Administration	
Revised 6-18-99			

M E M O R A N D U M

DATE: February 18, 2014

TO: City Council, Mayor McCaslin

FROM: Travis Matlock, Engineering Director

RE: Bid Waiver for Altec Booms

In order to standardize the City Of Bentonville departments that use telescoping booms with buckets, (aerial trucks) staff recommends that a bid waiver be approved for the purchase of 3 Altec Booms for the City Of Bentonville Electric Department. BEUD will purchase (2) – 60' booms and (1) – 40' boom for a total amount of \$394,904.00 (60' boom - \$148,986, 40' boom - \$96,932).

Standardization of this equipment promotes public safety as well as employee safety and efficiency in critical working conditions. Using only Altec booms will ensure that all City Of Bentonville equipment has the same safety features, controller locations, and same operational functionality.

Altec is the only manufacturer of telescoping booms that have a mechanic available in our area to service our equipment when needed. All other manufacturers do not have service centers in our area, which would mean having our equipment sent to a service provider outside our area.

Currently, the City Fleet contains 14 Altec Telescoping Devices in use within the Electric Department, Traffic Signal Department, and Parks Departments.

All of these units were obtained through the formal bidding process. The units are and have been very dependable with a life expectancy of at least 15 years by the time they have gone through the Electric Department for line work, and then transfer to the Parks Department so they can keep our scoreboards and Parks lighting in working order.

The Cab and Chassis that would be used with the Altec Device would still be competitively bid.



Quote Number: 244339 - 1
Altec, Inc.

February 12, 2014
Our 85th Year

webmaster@bentonville.com

CITY OF BENTONVILLE
1206 SW 14TH ST
C/O BENTON COUNTY ROAD DEPT
BENTONVILLE, AR 72712
US

Altec Quotation Number 244339 - 1

Account Manager:

Inside Sales Rep: Trevor Allen Mccrary

Bill To:

CITY OF BENTONVILLE
117 WEST CENTRAL
BENTONVILLE, AR 72712-0000
United States

Altec Sales Order(s):

Item	Description	Qty	Price
	<u>Unit</u>		
1.	ALTEC Model AM60E articulating overcenter aerial device with an insulating lower arm, insulating upper boom and the Altec ISO-Grip (U.S. Patent No. 7,416,053) system, an upper control system incorporating high resistance components at the boom tip, for installation over rear axle, built in accordance to ALTECS standard specifications and to include the following features: A. Ground to Bottom of Platform Height: 61.0 feet at 4.0 feet from centerline of rotation (18.6 m at 1.2 m) B. Working Height: 66.0 feet (20.1 m) C. Maximum Reach to Edge of Platform with Upper Boom Overcenter: 53.8 feet (16.4 m) D. Maximum Reach to Edge of Platform with Upper Boom Non-overcenter and Lower Boom at 124 degrees: 47.1 feet at 27.5 foot platform height (14.3 m at 8.5 m) E. Pedestal and Turntable: Box structure design with large service openings, 1.55 inch (32 mm) top plate of pedestal and stiffened . inch (32 mm) bottom plate of turntable machined after welding to provide a rigid, flat mounting surface for the rotation bearing. This extends the life of the bearing and reduces life cycle cost. F. Rotation: Continuous rotation provided by worm gear drive, equipped with extended shaft for manual rotation, driving a shear ball bearing rotation gear. The fully adjustable rotation drive assembly includes an external eccentric ring adjustment of the gearbox pinion gear to the main rotation bearing, permitting the ability to easily adjust backlash, reduce boom side play and ensure proper tooth contact over the life of the unit. This reduces life cycle cost. G. Lift Cylinders: The rod eye is both thread and weld fastened to the rod while the blind end of the cylinder is of cast steel, one piece design, which houses internal (unexposed), cartridge-type, bi-directional counter-balance holding valves. Self-aligning, spherical ball-type bushings are used at each end of the cylinder. H. Lower Boom: Constructed of two fixture-welded, (80,000 PSI [551,580 kPa] yield) high strength low alloy steel side plates. Insulator provides 24 inches (610 mm) of isolation in the lower boom. The inner surface of the fiberglass insulator has a wax coating molded in during manufacture to provide a dry, smooth inner surface which will cause moisture to bead. The outer surface has a smooth gelcoat finish. The AM60E lower boom articulation is 0 degrees to 124 degrees. I. Lower Boom Stow Protection: To help prevent excessive down pressure by boom structures when stowing. J. Lower Boom Pivot Pin: high strength chrome plated steel with self-lubricating, replaceable, non-metallic bearing. K. Upper Boom: Utilizes a fixture welded, high strength low alloy steel structure designed to accept Altec fiberglass upper boom section. Steel/glass attachment is bolted and bonded. The fiberglass section provides a minimum of 150 inches	1	

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Item	Description	Qty	Price
	(3810 mm) of isolation in the upper boom. The inner surface of the fiberglass boom has a wax coating molded in during manufacture to provide a dry, smooth inner surface which will cause moisture to bead. The outer surface has a smooth gelcoat finish. Upper boom articulation is 0 degrees to 210 degrees		
L.	Boom Linkage, Altec Patented Walking Link: This design features uniform speed of upper boom, and provides smooth, continuous, self-adjusting, low maintenance operation.		
M.	Side-by-Side Boom Stow: This design offers low travel height, low center of gravity and provides easy platform access		
N.	Upper Boom Hold Down Device: Manual locking system.		
O.	Platform Leveling System: The platform is leveled by a single leveling chain with fiberglass rods in upper and lower boom, designed to maintain the dielectric integrity of the aerial device. Controls for tilting the platform are located at the platform. The mechanism for tilting the platform includes one dual acting cylinder incorporating counterbalance load holding valves to lock the platform in the event of hydraulic line failure.		
P.	Platform: Totally enclosed, fiberglass.		
Q.	ISO-GripSystem: The Altec ISO-Grip(Patent Applied For) System includes the following boom tip components that can provide an additional layer of secondary electrical contact protection. This is not a primary protection system.1. Control Handle: An insulated single handle controller that is dielectrically tested to 40 kV AC with no more than 400 microamperes of leakage. The control handle is green in color to differentiate it from other non-tested controllers. The handle also includes an interlock guard that reduces the potential for inadvertent boom operation. 2. Auxiliary Control Covers: Non-tested blue silicon covers for auxiliary controls. 3. Control Console: Non-tested non-metallic control console plate. 4. Boom Tip Covers: Non-tested non-metallic boom tip covers. The covers are not dielectrically tested, but they may provide some protection against electrical hazards.		
R.	Outrigger/Boom Interlock System: Helps prevent operator from using unit until all outriggers are lowered.		
S.	Outrigger/Unit Selector Control: Located near the outrigger controls, allows operator to divert hydraulic oil from machine circuit for outrigger operation. This reduces the potential for inadvertent outrigger movement during machine operation if outrigger controls are bumped.		
T.	Outrigger Motion Alarm: Provides audible alarm when any of the outriggers are in motion.		
U.	Back-up Alarm, installed		
V.	Preventative Maintenance: Unit owner can select means of tracking maintenance intervals by calendar time or PTO hours. If the owner selects calendar driven cycles, preventative maintenance is required no more frequently than every 6 months. If the owner selects PTO hour driven cycles, preventative maintenance interval is likely to be greater than 6 months. Both programs allow the equipment owner to lower life cycle costs through higher product uptime and lower maintenance costs.		
W.	ISO 9001: This aerial device is designed and manufactured in a facility that is certified to meet ISO 9001 requirements.		
X.	Manuals: Two (2) Operators and two (2) Maintenance/ Parts manuals		
Y.	Paint: Altec Powder Coat Paint Process which provides a finish-painted surface that is highly resistant to chipping, scratching, abrasion and corrosion. Paint is electro-statically applied to the inside as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection		
2.	375 - Automatic Upper Boom Latch	1	
3.	217PE - Platform, Single, Two-Man Side-Mounted - 24 X 48 X 42 Inches (610 X 1219 X 1067 Mm), with 24 Inch Vertical Lift. Platform Is Rated Up To 750 Pounds without Liner	1	

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Item	Description	Qty	Price
	for Unit AM50/50E/55/55E/60 and up to 550 lbs without liner for Unit AM60E. Platform Rotates 90 Degrees To End Of Boom With Altec Patented Rotator. Includes Two Sets Of Quick Disconnects And Controls For Hydraulic Tools.		
4.	Rigid (Foam Filled) Platform Cover For Two Man Platform (24x48)	1	
5.	259 - Polyethylene Platform Liner For Two Man Platform, 50 Kv Rating (Minimum)	1	
6.	217PE Platform Capacity for AM50/55/60/50E/55E is designated to be 750 lbs. 217PE Platform Capacity for AM60E is designated to be 550 lbs.	1	
7.	338 - Pilot Pressure - System Operates At 350 To 3,000 Psi (24 To 207 Bar), And 17 Gpm (64.4 Lpm). System Is Closed Center, Pressure Compensating.	1	
8.	Twist style single handle controller. The controller is positioned so that when you are standing in the platform with the platform in the stowed position facing the controller the handle points towards the elbow of the unit and the head of the controller points toward rear of the truck. Unit rotation is driven by a twist action of the control handle. This style of controller is only available with a pilot pressure system.	1	
9.	219 - Hydraulic Extend Jib - Material Handling, Hydraulically Articulated Jib, -30 Degrees To +90 Degrees Tilt Angle (Relative To The Upper Boom). Jib Can Be Hydraulically Extended To 54.4 Inches (1382 Mm) From Mounting Shaft To Load Line. The Jib Is Hydraulically Extended And Retracted In Two 18 Inch (457 Mm) Increments For A Total Of 36 Inches (914 Mm) Under Full Load. A. Capacities Up To 2000 Pounds (907 Kg) Based On Boom Position B. Load Chart Based On Platform Configuration C. Hydraulically Articulated Jib With -30 Degrees To 90 Degrees Tilt Angle Relative To The Upper Boom. Jib Is One Piece, 4 Inches Square X 63 Inches Long (102 X 1600 Mm) D. Hydraulically Extendible Jib Telescopes In And Out 18 Inches (457 Mm). Jib May Be Manually Re-Pinned Under Load And Telescoped An Additional 18 Inches For A Total Movement Of 36 Inches (914 Mm) Under Load E. Hydraulically Powered Winch That Is Rated To 2,000 Pounds (907 Kg) Full Drum, Mounted On End Of Upper Boom And Includes 80 Feet (24 M) Of 1/2 Inch (13 Mm) Double-Braided Synthetic Rope F. Auxiliary Winch Line Control Valve At Turntable	1	
10.	234 - Minimum Jib Rating - Applied To E Version Machines With The Lower Boom Beyond 100 Degrees, This Rating Minimizes The Required Vehicle Weight For Stability.	1	
11.	393 - 12 VDC Electrical System Voltage	1	
12.	Engine Start/Stop with Secondary Stowage System, 12 VDC electric powered. Includes pump and motor, operates from chassis battery. Control is captive air operated from the platform and momentary switch operated from the lower controls. This option allows the operator to start and stop the operation of the units as well as completely stow the booms and platform in a situation wherein the primary hydraulic source fails.	1	
13.	470 - Primary Outrigger, X-Frame With Fold-Up Shoe - Provides 174 (4429 Mm) Maximum Spread And Weighs 1,500 Pounds (680 Kg)	1	
14.	450 - Auxiliary Outrigger, A-Frame With Fold-Up Shoe - Provides 153 (3886 Mm) Maximum Spread And Weighs 1,350 Pounds (612 Kg)	1	
15.	319 - Category C, 46 kV And below	1	

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Quote Number: 244339 - 1
Altec, Inc.

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
16.	Powder coat unit Altec White.	1	
17.	380 - Manual, Extra Operators And Maintenance/Parts	1	
18.	Diagnostic Pressure Test Kit - Includes Gauges, Hoses, And Quick Disconnect Couplings To Enable A Technician To Easily Check System Pressures	1	
<u>Unit & Hydraulic Acc.</u>			
19.	AM50/50E/55/55E/60/60E Series Unit Installation Components	1	
20.	Custom Jib Accessory A.B. Chance model PST4003059 jib extension with wireholder/sheave combination.	1	
21.	AM50/55/60/50E/55E/60E Subbase	1	
22.	Reservoir, 28 Gallon, Rectangular, Internally Mouted in Pedestal	1	
	A. Internal return filter, 10 micron absolute, fiberglass media.		
	B. Ball valves in suction and return lines.		
	C. Suction strainer.		
	D. Filler/breather cap with dipstick.		
23.	HVI-22 Hydraulic Oil (Standard).	33	
24.	Standard Pump For PTO	1	
25.	Hot shift PTO for automatic transmission	1	
26.	Muncie PTO (Altec Standard)	1	
27.	Standard PTO/Transmission Functionality for Automatic Transmissions - If chassis is in gear, and PTO switch is activated, PTO will not engage. Chassis will remain in gear. If chassis is already in neutral with PTO engaged and operator tries to shift into gear, PTO will disengage and transmission will shift into gear.	1	
28.	MY-TE HY3D Hydraulic Capstan, With Hand Controls, 800 LB Single Line Or 1600 LB Double Line Lift Curbside of tailshelf. Payout to rear.	1	
29.	Fold-Over Storage Bracket, For Collapsible Reel (CR Reel). Location TBD at PAM review.	1	
30.	Spring Loaded Hose Reel, 50 FT Hose Capacity Below tailshelf. Payout to rear above pintle tube.	1	
31.	74 - Flow Divider Variable - for installation of tools at tailself	1	
32.	Scuff Pad, 24 x 48 with Step, Aerials Only	1	
33.	Hook, Material Handling, 1-Ton With Latch, Installed On End Of Aerial Winch Line	1	
34.	Additional Unit/Hydraulic Accessory A.B. Chance model T4002530 wireholder sheave combination for square jib.	1	
<u>Body</u>			
35.	Altec Body	1	

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Item	Description	Qty	Price
36.	Steel Body	1	
37.	Aerial Service Line With Step (ASLS)	1	
38.	Body Is To Be Built In Accordance With The Following Altec Standard Specifications:	1	
	A. Basic Body Fabricated From A40 Grade 100% Zinc Alloy Coated Steel.		
	B. All Doors Are Full, Double Paneled, Self-Sealed With Built-In Drainage For Maximum Weather-Tightness. Hinge Rods Extend Full Length Of Door.		
	C. Heavy-Gauge Welded Steel Frame Construction With Structural Channel Crossmembers And Tread Plate Floor.		
	D. Integrated Door Header Drip Rail At Top For Maximum Weather Protection.		
	E. Fender Panels Are Either Roll Formed Or Have Neoprene Fenderettes Mechanically Fastened.		
	F. Steel Treated For Improved Primer Bond And Rust Resistance.		
	G. Automotive Type Non-Porous Door Seals Mechanically Fastened To The Door Facing.		
39.	Approximate Body Length (Engineering to Determine Final Length) 170"	1	
40.	94 Inch Body Width	1	
41.	46 Inch Body Compartment Height	1	
42.	18 Inch Body Compartment Depth	1	
43.	Finish Paint Body Altec White (Applies To Steel And Aluminum)	1	
44.	Undercoat Body	1	
45.	5.5 Drop-In Wood Cargo Retaining Board At Rear Of Body	1	
46.	5.5 Drop-In Wood Cargo Retaining Board At Top Of Side Access Step	1	
47.	Rope Lights (LED) Around Top And Sides Of Compartment Door Facings	1	
48.	Stainless Steel Rotary Paddle Latches With Keyed Locks	1	
49.	Gas Shock (Gas Spring) Rigid Door Holders On All Vertical Doors	1	
50.	Chains On All Horizontal Doors	1	
51.	Standard Master Body Locking System (Standard Placement Is At Rear. Sidepacks With A Throughshelf/Hotstick Door At Rear, Standard Placement Is At The Front)	1	
52.	One Chock Holder On Each Side Of Body With Retaining Lip In Fender Panel (Rear Of Wheel Or Opposite Fuel Fill)	1	
53.	Hotstick Shelf Extending From Rear Of First Vertical To Rear Of Body On Streetside	1	
54.	Two Hotstick Brackets On Streetside	1	
55.	Standard Drop-Down Hotstick Door For One (1) Shelf On Streetside, Stainless Steel Slam Paddle Latch With Keyed Lock	1	
56.	1st Vertical (SS) - 6 Inch High Pull-Out Drawer On Slides, As Wide As Possible, Latched, Modular Dividers (Egg Crate Style On 2 Inch Centers, Removable, And Configurable)	5	
57.	2nd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	2	

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Quote Number: 244339 - 1
Altec, Inc.

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
58.	2nd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	3	
59.	2nd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	2	
60.	3rd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	2	
61.	3rd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	3	
62.	3rd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	2	
63.	1st Horizontal (SS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	1	
64.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	2	
65.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	2	
66.	Rear Vertical (SS) - Outrigger Housing, With Outrigger Pin Access As Needed	1	
67.	1st Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	1	
68.	1st Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	3	
69.	1st Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	1	
70.	2nd Vertical (CS) - Gripstrut Access Steps w/Two (2) Sloped Grab Handles, Vented Chain/Battery Storage (Keyed Lock)	1	
71.	3rd Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	1	
72.	3rd Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	3	
73.	3rd Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	1	
74.	Custom 3rd Vertical (CS) Compartmentation Three hooks (0-3-0) 15" from the bottom of the compartment to center of throat.	1	
75.	1st Horizontal (CS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers Rear portion of compartment.	2	
76.	1st Horizontal (CS) - 4 Inch High Pull-Out Drawer On Slides, As Wide As Possible, Latched, Modular Dividers (Egg Crate Style On 2 Inch Centers, Removable, And Configurable) 18"W. Three (3) on front side of compartment.	3	
77.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	2	
78.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	2	
79.	Rear Vertical (CS) - Outrigger Housing, With Outrigger Pin Access As Needed	1	
<u>Body and Chassis Accessories</u>			
80.	36" L Steel Tailshelf, Width To Match Body Reinforce for MY-TE winch.	1	
81.	4" Removable Wood Retaining Rail On Sides And At Rear	1	
82.	Top Opening Box, Treadplate Single Lid, Gas Props, Hasp Lock, Handle Parallel To Ground And Centered (2 Handles for Boxes Greater Than 108") 57"L x 18"W x 20"T.	1	

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Item	Description	Qty	Price
	Divider splitting the box into left/right sections. Install at body bulkhead.		
83.	Top Opening Box, Gripstrut Single Lid, Gas Props, Hasp Lock, Handle Parallel To Ground And Centered (2 Handles for Boxes Greater Than 108") 18"W x 14"T x length from third vertical to rear of body on curbside. Include drop-down door at rear.	1	
84.	Top Opening Box, Treadplate Dual Lids With Drainage Trough, No Divider, Gas Props, Hasp Lock, One Handle Per Lid Parallel To Ground And Centered 170"L x 18"W x 14"T. Include drop-down door at rear. Install on streetside compartment top.	1	
85.	Fully Enclosed Ladder Box 126", Vertically Mounted, Steel, Roller At Rear, Retaining Chain, Interior Clear 21"H X 8"W With Roller Typically Mounted At Rear Of Body Along Cargo Wall. Streetside even with rear of body. Space up to clear outrigger leg.	1	
86.	Rigid Step Mounted Beneath Side Access Steps (Installed To Extend Approx. 2" Outward)	1	
87.	Compartment Top Access Step from Body Floor Double step.	1	
88.	Single Platform Access, One Step Mounted to Turntable	1	
89.	ICC (Underride Protection) Bumper Installed At Rear	1	
90.	Dock Bumpers (Pair), Fixed Mounting (Rectangular Bumper), Installed At Rear Frame Rails So They Are The Furthest Point Back	1	
91.	Combination 2 Ball (10,000 LB MGTW) And Pintle Hitch (16,000 LB MGTW) 27" +/- 1" from ground to center of throat.	1	
92.	Set Of D-Rings for Trailer Safety Chain, installed one each side of towing device mount.	1	
93.	Glad Hands At Rear, Straight Type	1	
94.	Platform Rest, Rigid with Rubber Tube	1	
95.	Lower Boom Rest Weldment	1	
96.	Mounting Brackets for Lights, Located on Lower Boom Rest	1	
97.	Plastic Outrigger Pad, 24" x 24" x 2", Black With Handle (Dica)	4	
98.	Outrigger Pad Holder, 25" L x 25" W x 3" H, Fits 24.5" x 24.5" x 2" And Smaller Pads, Bolt-On, Bottom Washout Holes, 3/4" Lip Retainer	4	
99.	Pendulum Retainers For Outrigger Pad Holders	4	
100.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	1	
101.	Custom Length PVC Canister Kit. 4" DIA Pipe. With Aluminum Cap, Door And Mounting U-Bolts 94"L. Front side of boomstow as low as possible.	2	
102.	Wire Reel E-Z Products AS-50 Location TBD at PAM review.	1	
103.	Wire Reel Holder, U-Shaped, 24 W, Holds 12 DIA Reels Location TBD at PAM review.	1	
104.	Wire Storage Rack - 20"H x 28"D x 30"L, Five(5) sections Location TBD at PAM review.	1	
105.	Mud Flaps With Altec Logo (Pair)	1	
106.	Safety Harness & 4.5 FT Lanyard (Medium To X-large)	2	

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Quote Number: 244339 - 1
Altec, Inc.

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
107.	5 LB Fire Extinguisher With Light Duty Bracket, Shipped Loose	1	
108.	10 LB Fire Extinguisher With Heavy Duty Bracket, Installed Ship loose.	1	
109.	Triangular Reflector Kit, Installed	1	
110.	Slope Indicator Assembly For Machine With Outriggers	1	
111.	Vinyl manual pouch for storage of all operator and parts manuals	1	

Electrical Accessories

112.	Install secondary stowage system.	1	
113.	Install Remote Start/Stop system in Final Assembly.	1	
114.	Install Outrigger Interlock System	1	
115.	Altec Standard Multi-Point Grounding System	7	
116.	Spring Loaded Grounding Reel, Aeromotive GR1000- Holds 2/0 GA Cable (Max 60 FT) Or 4/0 GA Cable (Max 50 FT) Curbside below tailshelf. Payout to curbside with a four-way roller in the light channel.	1	
117.	Grounding Cable, 2/0 GA Yellow Jacketed Cable	60	
118.	Grounding Clamp, Aluminum C-Clamp Style With Smooth Jaws (Includes Ferrule and Heat Shrink Tubing)	1	
119.	Copper U Shaped Grounding Lug (Threaded) Curbside front and rear.	2	
120.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights)	1	
121.	Altec Standard Amber LED Strobe Light With Brush Guard One each side on light tube. Wire battery hot.	2	
122.	4-Corner Strobe Lighting, Amber LED, Front Grille Surface Mounted Lights And Rear Grommet Mounted Lights	1	
123.	Post mounted spotlight mounted on driver's side of cab	1	
124.	6" Diameter Flood Light With Rubber Housing (J.W. Speaker #1500771) Rear of curbside top-opening box.	1	
125.	Spot Light, Permanent Mount With Programmable Wireless Remote Control (Go-Light I#2000) On cab above the driver.	1	
126.	Dual Tone Back-Up With Outrigger Motion Alarm	1	
127.	Altec Backup Camera System, 7" Color LCD Monitor, Heated Infrared Camera with Day/Night Sensor and Audio	1	
A.	7" Color LCD Monitor With LED Backlighting And Proximity Indicators		
B.	2 Inputs With Independent Triggers		
C.	Heated Infrared Camera With Day/Night Sensor And Audio		
D.	Mirror/Normal View		
E.	IP68 Rated		
F.	Wide Viewing Angle (104 Degrees Horizontal x 78 Degrees Vertical)		

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Quote Number: 244339 - 1
Altec, Inc.

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
G. 20 Meter Cable Assembly			
128.	PTO Hour Meter, Rectangular With 10,000 Hour Display	1	
129.	7-Way Trailer Receptacle (Pin Type) Installed At Rear	1	
130.	Electric Trailer Brake Controller (Tekonsha Voyager #9030)	1	
131.	Altec Modular Panel System (AMPS) - Includes Mounting Panel and Accessory Switches	1	
132.	Power Distribution Module Is A Compact Self-Contained Electronic System That Provides A Standardized Interface With The Chassis Electrical System. (Includes Operator's Manual)	1	
133.	Additional Electrical Accessory Promax model PS-12V-PROX priority start battery protector.	1	
<u>Finishing Details</u>			
134.	Focus Factory Build	1	
135.	Delivery Of Completed Unit	1	
136.	Powder Coat Unit Altec White	1	
137.	Finish Paint Body Accessories Altec White	1	
138.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc. Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1	
139.	Apply Non-Skid Paint to all walking surfaces	1	
140.	English Safety And Instructional Decals	1	
141.	Vehicle Height Placard - Installed In Cab	1	
142.	Dielectric test unit according to ANSI requirements.	1	
143.	Stability test unit according to ANSI requirements.	1	
144.	DOT Certification Required Arkansas.	1	
145.	Prepaint Inspection Required By Customer	1	
146.	Placard, HVI-22 Hydraulic Oil	1	
147.	Inbound Freight	1	
148.	AM60E FA Installation	1	
<u>Chassis</u>			
149.	Chassis	1	

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Quote Number: 244339 - 1
Altec, Inc.

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
150.	Altec Supplied Chassis	1	
151.	2015 Model Year	1	
152.	Kenworth T370	1	
153.	4x2	1	
154.	Chassis CA Length - 120" Clear	1	
155.	Conventional Cab	1	
156.	Chassis Color - White	1	
157.	Paccar PX-7	1	
158.	300 HP Engine Rating	1	
159.	Allison 3500 RDS Automatic Transmission	1	
160.	GVWR 37,600 LBS	1	
161.	14,600 LBs Front Axle Rating	1	
162.	23,000 LBs Rear Axle Rating	1	
163.	315/80R22.5 Front Tire	1	
164.	11R22.5 Rear Tire	1	
165.	Air Brakes	1	
166.	Kenworth - PX-6 w/ Single Horizontal Tailpipe (RH Under Cab SCR)	1	
167.	Kenworth Body Lighting Extension Harness (9090312)	1	
168.	No Idle Engine Shut-Down Required	1	
169.	50 Gallon Fuel Tank Left Hand	1	
170.	Chassis Without Front Frame Extensions	1	
171.	Glad Hands	1	
172.	Drive Controlled Locking Differential	1	
173.	Vinyl Split Bench Seat	1	
174.	Air Ride Passenger Seat	1	
Chassis Total:			0.00
<u>Miscellaneous</u>			
175.	Standard Altec Warranty One (1) year parts warranty One (1) year labor warranty Ninety (90) days warranty for travel charges Limited Lifetime Structural Warranty	1	

Total 148,986.00

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Altec Industries, Inc.

BY _____

Trevor Allen Mccrary

Notes:

1 RECOMMENDED OPTIONS AND ACCESSORIES: These options are not included in the quote total price. Selected options will change the quote total. Any options added after initial order will be re-quoted.

2 1) Quote total does not include chassis price.
Altec Standard Warranty:

One (1) year parts warranty.

One (1) year labor warranty.

Ninety (90) days warranty for travel charges.

Warranty on structural integrity of the following major components is to be warranted for so long as the initial purchaser owns the product: Booms, boom articulation links, hydraulic cylinder structures, outrigger weldments, pedestals, subbases and turntables.

Bidder is to supply a self-directed, computer based training (CBT) program. This program will provide basic instruction in the safe operation of this aerial device. This program will also include and explain ANSI and OSHA requirements related to the proper use and operation of this unit.

Altec offers its standard limited warranty with the Altec supplied components which make up the Altec Unit and its installation, but expressly disclaims any and all warranties, liabilities, and responsibilities, including any implied warranties of fitness for a particular purpose and merchantability, for any customer supplied parts

3 Altec designs and manufactures to applicable Federal Motor Vehicle Safety and DOT standards
Unless otherwise noted, all measurements used in this quote are based on a 40 inch (1016mm) chassis frame height and standard cab height for standard configurations.

4 F.O.B. - #FOB_TERMS#

5 Changes made to this order may affect whether or not this vehicle is subject to F.E.T. A review will be made at the time of invoicing and any applicable F.E.T. will be added to the invoice amount.

6 Price does not reflect any local, state or Federal Excise Taxes (F.E.T). The quote also does not reflect any local title or licensing fees. All appropriate taxes will be added to the final price in accordance with regulations in effect at time of invoicing.

7 Interest charge of 1/2% per month to be added for late payment.

8 Delivery: 260-280 days after receipt of order PROVIDING:

A. Order is received within 14 days from the date of the quote. If initial timeframe expires, please contact your Altec representative for an updated delivery commitment.

B. Chassis is received a minimum of sixty (60) days before scheduled delivery.

C. Customer approval drawings are returned by requested date.

D. Customer supplied accessories are received by date necessary for compliance with scheduled delivery.

E. Customer expectations are accurately captured prior to releasing the order. Unexpected additions or changes made at a customer inspection will delay the delivery of the vehicle.

9 Altec reserves the right to change suppliers in order to meet customer delivery requirements, unless specifically identified, by the customer, during the quote and or ordering process.

Trade-in offer is contingent upon equipment being maintained to DOT (Department of Transportation) operating and safety standards. This will include, but not limited to tires, lights, brakes, glass, etc. If a trade-in is not maintained to DOT standards, additional transportation expenses will apply and could be invoiced separately.

All equipment, i.e., jibs, winches, pintle hooks, trailer connectors, etc., are to remain with the vehicle unless



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Altec, Inc.

otherwise agreed upon in writing by both parties. Altec Industries reserves the right to re-negotiate its trade-in offer if these conditions are not met.

Customer may exercise the option to rescind this agreement in writing within sixty (60) days after receipt of purchase order. After that time Altec Industries will expect receipt of trade-in vehicle upon delivery of new equipment as part of the terms of the purchase order.

Titles for trade-in equipment should be given to the appropriate Altec Sales associate or forwarded to Altec Nuevo at address 1730 Vanderbilt Road, Birmingham, AL 35234.

- 10 This quotation is valid until MAY 15, 2014. After this date, please contact Altec Industries, Inc. for a possible extension.
- 11 After the initial warranty period, Altec Industries, Inc. offers mobile service units, in-shop service and same day parts shipments on most parts from service locations nationwide at an additional competitive labor and parts rate. Call 877-GO-ALTEC for all of your Parts and Service needs.
- 12 Please email Altec Capital at finance@altec.com or call 888-408-8148 for a lease quote today.
- 13 Please direct all questions to at (816) 364-2244



Quote Number: 244352 - 1
Altec, Inc.

February 13, 2014
Our 85th Year

webmaster@bentonville.com

CITY OF BENTONVILLE
1206 SW 14TH ST
C/O BENTON COUNTY ROAD DEPT
BENTONVILLE, AR 72712
US

Altec Quotation Number 244352 - 1
Account Manager:
Inside Sales Rep: Mark Floyd Jarrell

Bill To:
CITY OF BENTONVILLE
117 WEST CENTRAL
BENTONVILLE, AR 72712-0000
United States

Altec Sales Order(s):

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
	<u>Unit</u>		
1.	Altec Model AT40M Articulating Telescopic Aerial Device with a fiberglass upper boom and fiberglass insulator in the articulating arm and a proportional joystick upper control and toggle switches. Built in accordance to ALTEC's standard specifications and to include the following features: A. Ground to Bottom of Platform Height: 39.4 ft at 10.0 ft from centerline of rotation (12 m at 3 m) B. Working Height: 44.4 ft (13.5 m) C. Maximum reach to edge of platform: 29.6 ft at 16.3 ft platform height (9 m at 5 m) D. Rotation: Continuous E. Articulating Arm Articulation: -3 to 74 degrees. Insulator provides a minimum of 9.5 in (241.3 mm) of isolation. F. Articulating arm is of a tubular steel structure. The articulating arm is designed so that the articulating arm and tension link are compensating. By raising the articulating arm only, the lower and upper boom maintain the same relative angle with the ground. By raising the articulating arm in conjunction with the lower boom, the operator is able to position himself more quickly and easily into the work area. G. Lower Boom Articulation: -25 to 75 degrees. Insulator provides a minimum of in (0 mm) of isolation. H. Lower boom is a fabricated, reinforced steel box structure. Polyethylene outer slide pads slide pads and Nylatron GSM inner slide pads are installed at the boom tip to guide the telescopic upper boom. These pads have a large contact area in order to reduce wear. The pads are shimmed and attached for ease of adjustment or replacement without disassembly of the booms. I. Telescopic upper boom is constructed of filament wound, square fiberglass, providing a minimum of 31.5 inches (965 mm) of isolation. The inner surface of the fiberglass boom is coated with polyurethane to provide a dry, smooth inner surface, which will cause moisture to bead. The outer surface has a smooth gelcoat finish. J. The upper boom is extended and retracted by a double acting hydraulic cylinder installed within the booms. The boom extends and retracts over slide bearings located in the end of the lower boom. K. Upper Controls: The upper controls system includes a proportional joystick upper control and toggle switches. L. Controls for Boom and articulating arm functions are controlled with a single handle control. Control, through non-metallic linkages, actuates the interlock section and four individual boom function valves. The control provides good metering capability at all boom speeds. The single handle control activates Lower Boom?Up and Down, Upper Boom?Extend and Retract, Rotation?	1	

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Item	Description	Qty	Price
	Clockwise/Counter-clockwise, and Articulating Arm?Raise and Lower. Unit rotation is accomplished by moving the control from side to side similar to a tiller while upper boom operation is accomplished by twisting the control handle clockwise to retract and counter clockwise to extend.		
M.	Lower Controls: A lower control station includes and is located on the of the turntable. A selector valve is provided to override the upper controls.		
N.	The platform is leveled by hydraulic leveling means, contained within the upper boom and designed to maintain the dielectric integrity of the aerial device. Controls for leveling and tilting the platform are located at the platform. Leveling for the platform includes two double acting cylinders incorporating counterbalance load holding valves to lock the platform in the event of hydraulic line failure. Cylinders are located at the platform and at the end of the lower boom. The master-slave action of the cylinders maintains a level platform throughout the full range of boom articulation		
O.	Diagnostic Pressure Test Quick Disconnect Couplings: are located at the turntable to allow a mobile service technician to quickly and easily attach a test gauge to verify system and tool circuit pressure. This convenient troubleshooting feature saves time and reduces the risk of high pressure oil sprays.		
P.	Tool circuit system relief pressure to be set to 2250 psi at 5.5 GPM.		
Q.	Unit meets or exceeds ANSI 92.2 standards.		
2.	Pedestal	1	
3.	Steel Reservoir, 15 gallon capacity, triangular, 17" L x 17" W x 24" H, and includes breather caps and dipsticks	1	
4.	Single 1-Man Platform, Fiberglass (Insulated), 24" x 30" x 42", End Mount, 180 Degree Rotation, Platform-Mounted Single Handle Controls, ARM Jib	1	
5.	Two(2) Platform steps - located on the side of the platform nearest the elbow in the stowed position	1	
6.	Platform Cover - soft vinyl, 24 x 30 inches (610 x 762 mm)	1	
7.	Platform Liner - for one-man fiberglass platform, 24 x 30 x 42 inches (610 x 762 x 1067 mm), 50 kV rating (minimum)	1	
8.	Platform Floor Liner - 24 x 30 inches (610 x 762 mm)	1	
9.	Hydraulic Tool Circuit at Platform: One set of quick disconnect couplings at the boom tip for open center tools. Tool system relief pressure set at 2,250 psi.	1	
10.	Hydraulic Tool Circuit Below Rotation: One set of quick disconnect couplings and control valve for open center tools below rotation. Tool system relief pressure set at 2,000 psi.	1	
11.	Engine Start/Stop & Secondary Stowage System: 12 VDC powered motor and pump assembly for temporary operation of the unit in a situation wherein the primary hydraulic source fails. Electric motor is powered by the chassis battery. This feature allows the operator to completely stow the booms, platform, and outriggers. Secondary Stowage & Start/Stop is activated with an air plunger at the platform or momentary switch at the lower control station and outriggers.	1	
12.	Jib Stick, 36" L, non extension, certified, orange in color	1	
13.	Throttle Control - Manually increase/decrease chassis engine speed to preset values. Control is captive air operated from the platform and momentary switch operated from the lower controls and curbside at tailshelf.	1	

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<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
14.	Slip Ring: Required for engine start/stop, secondary stowage system, and throttle control options	1	
15.	Primary Modified A-Frame Outriggers With Integrated Subbase, fixed shoe, provides 112 inch (2844 mm) maximum spread. Includes motion alarm and outrigger interlocks, which will not allow the unit to be operated until the outriggers have been deployed. For installation on a 30 to 34 inch chassis frame height.	1	
16.	Electric Outrigger Controls: drive hydraulic outrigger control valves. Durable weather proof electronic switches are located at the rear of the unit unless otherwise specified. Use of electronic switches reduces the number of hydraulic hoses and leak points.	1	
17.	Diagnostic Pressure Test Kit - includes gauges, hoses, and quick disconnect couplings to enable a technician to easily connect to supplied test ports on the unit to check pressures.	1	
18.	Fall Protection System to include one body harness and decelerating type lanyard. Harness has adjustable slide buckle on shoulder straps, Velcro chest strap, interlocking buckles on leg straps and nylon web loop fall arrest attachment on back. Lanyard has built in shock absorber that allows 28 inches (711 mm) of automatic adjustability	1	
19.	Sight and Temperature gauge for hydraulic reservoir	1	
20.	Winch load line swivel hook	1	
21.	Altec Aerial Device Powder Painted White	1	
<u>Unit & Hydraulic Acc.</u>			
22.	HVI-22 Hydraulic Oil (Standard).	25	
23.	Standard Pump For PTO	1	
24.	Electric Shifted PTO	1	
25.	Standard PTO/Transmission Functionality for Small Ford and Dodge Chassis	1	
26.	MY-TE HY3D Hydraulic Capstan, With Hand Controls, 800 LB Single Line Or 1600 LB Double Line Lift Mount underneath Tailshlef on CS. Must have ability to use Butterfly Reel.	1	
27.	Install Tool Circuit with Quick Disconnects, Below Rotation	1	
<u>Body</u>			
28.	Altec Body	1	
29.	Steel Body	1	
30.	Low-Side General Service With Step (LGSS)	1	
31.	Body Is To Be Built In Accordance With The Following Altec Standard Specifications:	1	
A.	Basic Body Fabricated From A40 Grade 100% Zinc Alloy Coated Steel.		
B.	All Doors Are Full, Double Paneled, Self-Sealed With Built-In Drainage For Maximum Weather-Tightness. Hinge Rods Extend Full Length Of Door.		
C.	Heavy-Gauge Welded Steel Frame Construction With Structural Channel Crossmembers And Tread Plate Floor.		
D.	Integrated Door Header Drip Rail At Top For Maximum Weather Protection.		

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<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
	E. Fender Panels Are Either Roll Formed Or Have Neoprene Fenderettes Mechanically Fastened.		
	F. Steel Treated For Improved Primer Bond And Rust Resistance.		
	G. Automotive Type Non-Porous Door Seals Mechanically Fastened To The Door Facing.		
32.	132" Estimated Body Length (Engineering To Determine Final Length)	1	
33.	94 Inch Body Width	1	
34.	40 Inch Body Compartment Height	1	
35.	20 Inch Body Compartment Depth	1	
36.	Finish Paint Body Altec White (Applies To Steel And Aluminum)	1	
37.	Undercoat Body	1	
38.	5.5 Drop-In Wood Cargo Retaining Board At Rear Of Body	1	
39.	5.5 Drop-In Wood Cargo Retaining Board At Top Of Side Access Step	1	
40.	Rope Lights (LED) Around Top And Sides Of Compartment Door Facings	1	
41.	Stainless Steel Rotary Paddle Latches With Keyed Locks	1	
42.	Gas Shock (Gas Spring) Rigid Door Holders On All Vertical Doors	1	
43.	Chains On All Horizontal Doors	1	
44.	Standard Master Body Locking System (Standard Placement Is At Rear. Sidepacks With A Throughshelf/Hotstick Door At Rear, Standard Placement Is At The Front)	1	
45.	One Chock Holder On Each Side Of Body With Retaining Lip In Fender Panel (Rear Of Wheel Or Opposite Fuel Fill)	1	
46.	Hotstick Shelf Extending Full Length Of Body On Streetside	1	
47.	Two Hotstick Brackets On Streetside	1	
48.	Standard Drop-Down Hotstick Door For One (1) Shelf On Streetside, Stainless Steel Slam Paddle Latch With Keyed Lock	1	
49.	1st Vertical (SS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	2	
50.	1st Vertical (SS) - Outrigger Housing, With Outrigger Pin Access As Needed	1	
51.	2nd Vertical (SS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	2	
52.	1st Horizontal (SS) - Vacant	1	
53.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	1	
54.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	4	
55.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	1	
56.	1st Vertical (CS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	2	
57.	1st Vertical (CS) - Louvered Panel On Rear Wall To Ventilate Compartment	1	

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Altec, Inc.

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
58.	1st Vertical (CS) - Outrigger Housing, With Outrigger Pin Access As Needed	1	
59.	2nd Vertical (CS) - Gripstrut Access Steps With Two (2) Sloped Grab Handles	1	
60.	1st Horizontal (CS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	2	
61.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	1	
62.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	4	
63.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	1	
<u>Body and Chassis Accessories</u>			
64.	Custom Tailshelf Dimensions 30"L Steel tailshelf	1	
65.	3" Fixed Retaining Rail On Sides And Rear With Corner Wash-Out	1	
66.	Rear Window Guard, Punch Metal, 62" L x 20" H	1	
67.	Top Opening Box, Treadplate Single Lid, Gas Props, Hasp Lock, Handle Parallel To Ground And Centered (2 Handles for Boxes Greater Than 108") Steel, Length to match compartment length (approx 74") x 18" W x 12" H, lined with outdoor plastic turf; Locate on CS for Rubber Goods from back of body to steps.	1	
68.	Horizontal Storage Box On Compartment Top, One Drop Down Door, No Door Holders, Keyed Latch Horizontal Storage Box, Steel, 20"W (deep) x 12" H, Length to match length of Body; Two (2) Drop-Down Doors for access from ground, Two (2) Rotary Paddle Latches; Lined with Outdoor Plastic Turf. Door at rear of box, for access from rear of truck. Similar to hotstick box.	1	
69.	Horizontal Storage Box On Compartment Top, One Door, Hinged Up, Gas Props, Keyed Latch 20"W x 12" H to mount on top of CS compartments from rear of body to Side access. Lined with outdoor turf Include drop down door at rear of box. Door to be accessed from rear of truck, similar to hotstick box.	1	
70.	Ladder Rack, Flat With Back Stop, Steel, Roller At Rear, Retaining Brackets And Strap (Dog Collar), Typically Mounted Flush At Rear Of Body and Overhung Towards Cargo Area. to mount SS on top of the rubber storage box.	1	
71.	Fully Enclosed Ladder Box 126", Vertically Mounted, Steel, Roller At Rear, Retaining Chain, Interior Clear 21"H X 8"W With Roller Typically Mounted At Rear Of Body Along Cargo Wall. Mount to SS cargo wall	1	
72.	Rigid Step Mounted Beneath Side Access Steps (Installed To Extend Approx. 2" Outward)	1	
73.	Compartment Top Access Step from Body Floor Install inside cargo area, against CS cargo wall. For access directly to Platform	1	
74.	ICC (Underride Protection) Bumper Installed At Rear	1	
75.	Combination 2 Ball (10,000 LB MGTW) And Pintle Hitch (16,000 LB MGTW)	1	
76.	Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount.	1	

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Quote Number: 244352 - 1
Altec, Inc.

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
77.	Platform Rest, Rigid with Rubber Tube Bottom of platform to stow 30" from tailshelf floor.	1	
78.	Boom Rest for a Telescopic Unit	1	
79.	Outrigger Pad Holder, 20" L x 20" W x 3" H, Fits 19.5" x 19.5" x 2" And Smaller Pads, Bolt-On, Bottom Washout Holes, 3/4" Lip Retainer	2	
80.	Pendulum Retainers For Outrigger Pad Holders	2	
81.	Plastic Outrigger Pad, 18" x 18" x 1", Black With Handle	2	
82.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	1	
83.	Water Cask 3 Gallon (Plastic)	1	
84.	Water Cask Bracket Only, For 3 or 5 Gallon (Wire Type) installed on top of the CS 1st vertical compartment top, with access from the ground.	1	
85.	Custom Wire Rack/Reel Wire holder installed under tailshelf CS to store 5 small reels of wire.	1	
86.	Mud Flaps With Altec Logo (Pair)	1	
87.	10 LB Fire Extinguisher With Heavy Duty Bracket, Installed one (1) at the front of body SS, and one (1) on top of the first vertical compartment CS.	2	
88.	Triangular Reflector Kit, Shipped Loose Place in cab	1	
89.	Install Counterweight As Needed	1	
90.	Slope Indicator Assembly For Machine With Outriggers	1	
91.	Barricade Holders (Set Of Four Flag Holders One Mounted At Each Corner Of Truck) Include Barricade system, Shipped loose.	1	
92.	Vinyl manual pouch for storage of all operator and parts manuals	1	
93.	Additional Body/Chassis Accessory Transformer Holder 2 Post Style	1	
<u>Electrical Accessories</u>			
94.	Install secondary stowage system.	1	
95.	Install Remote Start/Stop system in Final Assembly.	1	
96.	Install Two Speed Throttle System.	1	
97.	Install Outrigger Interlock System	1	
98.	15,000LB Electric Winch Kit for use in conjunction with a Dodge Ram 5500 series chassis. To include a Defender I bumper mount assembly with an Emergency stop switch	1	
99.	Compartment Lights Wired To Dash Mounted Master Switch	1	
100.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Incandescent)	1	

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Quote Number: 244352 - 1
Altec, Inc.

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
101.	Altec Standard Amber LED Strobe Light With Brush Guard installed on rear window guard on the SS and CS.	2	
102.	6-Position Strobe Lighting, Amber LED, Two Front Grill Surface Mounted, Two Round Rear Grommet Mounted In Tailshelf, And Two Oval Grommet Mounted On Body Side Panels	1	
103.	6" Diameter Spot Light With Chrome Housing (Unity #AG-R) One mounted on SS cargo wall, towards rear. at top of cargo wall. One Mounted on top of Wire holder box at rear of truck. Centered on this box.	1	
104.	Custom Flood Light Reverse lights should work as floodlights with a master switch in cab.	1	
105.	Spot Light, Permanent Mount With Programmable Wireless Remote Control (Go-Light I#2000) One (1) each side of rear window guard (outside of the strobe light on the SS).	2	
106.	Dual Tone Back-Up With Outrigger Motion Alarm	1	
107.	Altec Backup Camera System, 7" Color LCD Monitor, Heated Infrared Camera with Day/Night Sensor and Audio A. 7" Color LCD Monitor With LED Backlighting And Proximity Indicators B. 2 Inputs With Independent Triggers C. Heated Infrared Camera With Day/Night Sensor And Audio D. Mirror/Normal View E. IP68 Rated F. Wide Viewing Angle (104 Degrees Horizontal x 78 Degrees Vertical) G. 20 Meter Cable Assembly	1	
108.	PTO Hour Meter, Rectangular With 10,000 Hour Display	1	
109.	1800 Watt Pure-Sine Wave Inverter Mount in bottom of 1st CS vertical	1	
110.	120 Volt GFCI Receptacle Includes Weather-resistant Enclosure One (1) Outlet to be installed on CS rear of body. One (1) outlet to be installed on Tailshelf One (1) outlet to be installed on SS Horizontal	3	
111.	6-Way Trailer Receptacle (Pin Type) Installed At Rear	1	
112.	Custom Electrical Option Four Dodge upfitter switches and as many additional amp switches as needed.	1	
113.	Dodge Module	1	
114.	Additional Electrical Accessory Reverse lights wired to master switch in cab. For use as Flood/Work lights.	1	
<u>Finishing Details</u>			
115.	Focus Factory Build	1	
116.	Delivery Of Completed Unit	1	
117.	Powder Coat Unit Altec White	1	

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Quote Number: 244352 - 1
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<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
118.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc. Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1	
119.	Apply Non-Skid Paint to all walking surfaces	1	
120.	English Safety And Instructional Decals	1	
121.	Vehicle Height Placard - Installed In Cab	1	
122.	Dielectric test unit according to ANSI requirements.	1	
123.	Stability test unit according to ANSI requirements.	1	
124.	DOT Certification Required 117 West Central Bentonville AR 72712	1	
125.	Prepaint Inspection Required By Customer	1	
126.	Placard, HVI-22 Hydraulic Oil	1	
127.	Inbound Freight	1	
128.	Installation - AT40M	1	
<u>Chassis</u>			
129.	Chassis	1	
130.	Customer Supplied Chassis	1	
131.	2013 Model Year	1	
132.	Dodge Ram 5500	1	
133.	4x4	1	
134.	Chassis CA Length - 84"	1	
135.	Regular Cab	1	
136.	Chassis Color - White	1	
137.	Cummins 6.7L Turbo Diesel (Dodge)	1	
138.	Aisin AS68RC Automatic Transmission (Dodge Chassis)	1	
139.	GVWR 19,500 LBS	1	
140.	Other Front Axle Rating 7250	1	
141.	13,500 LBs Rear Axle Rating	1	
142.	4.44 Axle Ratio	1	
143.	Hydraulic Brakes	1	

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Quote Number: 244352 - 1
Altec, Inc.

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
144.	Park Brake In Rear Wheels	1	
145.	Single Horizontal Exhaust Right Hand	1	
146.	Dodge PTO Prep Package (Right Hand Side PTO) (LBN)	1	
147.	Cruise Control	1	
148.	No Idle Engine Shut-Down Required	1	
149.	Air Conditioning	1	
150.	AM/FM CD Player	1	
151.	Power Windows	1	
152.	Cruise Control	1	
153.	Tinted Windshield	1	
154.	Tilt Steering Wheel	1	
155.	Cold Weather Group (Includes Block Heater)	1	
Miscellaneous			
156.	Standard Altec Warranty One (1) year parts warranty One (1) year labor warranty Ninety (90) days warranty for travel charges Limited Lifetime Structural Warranty	1	
Total			96,932.00

Altec Industries, Inc.

BY _____

Mark Floyd Jarrell

Notes:

- 1 Altec Standard Warranty:
- One (1) year parts warranty.
- One (1) year labor warranty.
- Ninety (90) days warranty for travel charges.
- Warranty on structural integrity of the following major components is to be warranted for so long as the initial purchaser owns the product: Booms, boom articulation links, hydraulic cylinder structures, outrigger weldments, pedestals, subbases and turntables.
- Bidder is to supply a self-directed, computer based training (CBT) program. This program will provide basic instruction in the safe operation of this aerial device. This program will also include and explain ANSI and OSHA requirements related to the proper use and operation of this unit.

Altec offers its standard limited warranty with the Altec supplied components which make up the Altec Unit

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and its installation, but expressly disclaims any and all warranties, liabilities, and responsibilities, including any implied warranties of fitness for a particular purpose and merchantability, for any customer supplied parts

- 2 Altec designs and manufactures to applicable Federal Motor Vehicle Safety and DOT standards
Altec takes pride in offering solutions that provide a safer work environment for our customers. In an effort to focus on safety, we would like to ensure that the following items are offered to you as part of the attached quotation package:

Outrigger pads (When Applicable)
Fall Protection System
Fire extinguisher/DOT kit
Platform Liner (When Applicable)
Back up alarm
Wheel Chocks

The aforementioned equipment is traditionally offered in our new equipment quotations, unless requested otherwise by the customer. If you find that any of these items have not been listed as priced options in the body of your quotation and are required by your company, we would encourage you to contact your Altec Account Manager and have an updated quotation developed for you. These options must be listed as individual options in the body of the quotation for them to be supplied by Altec.

- 3 Unless otherwise noted, all measurements used in this quote are based on a 40 inch (1016mm) chassis frame height and standard cab height for standard configurations.
4 F.O.B. - #FOB_TERMS#
5 Changes made to this order may affect whether or not this vehicle is subject to F.E.T. A review will be made at the time of invoicing and any applicable F.E.T. will be added to the invoice amount.
6 Price does not reflect any local, state or Federal Excise Taxes (F.E.T). The quote also does not reflect any local title or licensing fees. All appropriate taxes will be added to the final price in accordance with regulations in effect at time of invoicing.
7 Interest charge of 1/2% per month to be added for late payment.
8 Delivery: 240-270 days after receipt of order PROVIDING:
A. Order is received within 14 days from the date of the quote. If initial timeframe expires, please contact your Altec representative for an updated delivery commitment.
B. Chassis is received a minimum of sixty (60) days before scheduled delivery.
C. Customer approval drawings are returned by requested date.
D. Customer supplied accessories are received by date necessary for compliance with scheduled delivery.
E. Customer expectations are accurately captured prior to releasing the order. Unexpected additions or changes made at a customer inspection will delay the delivery of the vehicle.

- 9 Altec reserves the right to change suppliers in order to meet customer delivery requirements, unless specifically identified, by the customer, during the quote and or ordering process.
Trade-in offer is contingent upon equipment being maintained to DOT (Department of Transportation) operating and safety standards. This will include, but not limited to tires, lights, brakes, glass, etc. If a trade-in is not maintained to DOT standards, additional transportation expenses will apply and could be invoiced separately.

All equipment, i.e., jibs, winches, pintle hooks, trailer connectors, etc., are to remain with the vehicle unless otherwise agreed upon in writing by both parties. Altec Industries reserves the right to re-negotiate its trade-in offer if these conditions are not met.

Customer may exercise the option to rescind this agreement in writing within sixty (60) days after receipt of purchase order. After that time Altec Industries will expect receipt of trade-in vehicle upon delivery of new equipment as part of the terms of the purchase order.

Titles for trade-in equipment should be given to the appropriate Altec Sales associate or forwarded to Altec Nueco at address 1730 Vanderbilt Road, Birmingham, AL 35234.

- 10 This quotation is valid until MAY 15, 2014. After this date, please contact Altec Industries, Inc. for a possible extension.
11 After the initial warranty period, Altec Industries, Inc. offers mobile service units, in-shop service and same

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Altec, Inc.

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day parts shipments on most parts from service locations nationwide at an additional competitive labor and parts rate. Call 877-GO-ALTEC for all of your Parts and Service needs.
Please email Altec Capital at finance@altec.com or call 888-408-8148 for a lease quote today.
Please direct all questions to at (919) 528-2535

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ORDINANCE NO. _____

**AN ORDINANCE AUTHORIZING THE MAYOR AND THE
CITY CLERK TO ENTER INTO AN AGREEMENT WITH
ALTEC FOR THE PURCHASE OF TELESCOPING BOOM
(AERIAL TRUCKS) FOR THE CITY OF BENTONVILLE
ELECTRIC DEPARTMENT AND WAIVING THE
REQUIREMENT OF COMPETITIVE BIDDING.**

**NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL FOR THE
CITY OF BENTONVILLE, ARKANSAS.**

Section 1: That the Mayor and City Clerk be and are hereby authorized to enter into an agreement with Altec for the purchase of telescoping boom (aerial trucks) for the Bentonville Electric Department in an amount not to exceed \$394,904.00, as per the Proposal attached hereto as Exhibit A.

Section 2: Because of the need to standardize this equipment to promote operator and public safety during critical operations, it would be neither practical nor feasible to advertise for competitive bidding, and that requirement is herein waived.

PASSED and APPROVED this _____ day of _____, 2014.

APPROVED:

MAYOR

ATTEST:

CITY CLERK