



CLEARFIELD CITY COUNCIL
AGENDA AND SUMMARY REPORT
April 30, 2024 - WORK SESSION

Meetings of the City Council of Clearfield City may be conducted via electronic means pursuant to Utah Code Ann. § 52-4-207 as amended. In such circumstances, contact will be established and maintained via electronic means and the meetings will be conducted pursuant to the Electronic Meetings Policy established by the City Council for electronic meetings.

55 South State Street
Third Floor
Clearfield, Utah

6:00 P.M. WORK SESSION

Discussion on the Wasatch Integrated Waste Management District Resolution

Discussion on Proposed Interlocal Cooperation Agreement between Clearfield City and Military Installation Development Authority (MIDA)

Discussion on the I-15 Interchanges Landscaping Bid

Discussion on Public Outreach for the General Plan Update

Discussion on the Bid for the Utilities and Street Reconstruction Project at 975 South and 1480 West

Discussion of the Annual Wastewater Report

Discussion on the Fiscal Year 2025 Proposed Budget

*****ADJOURN AS THE CITY COUNCIL AND IMMEDIATELY RECONVENE AS THE CDRA IN A WORK SESSION*****

Posted April 25, 2024.

/s/Chersty Titensor, Deputy City Recorder

The City of Clearfield, in accordance with the 'Americans with Disabilities Act' provides accommodations and auxiliary communicative aids and services for all those citizens needing assistance. Persons requesting these accommodations for City sponsored public meetings, service programs or events should call Nancy Dean at 801-525-2714, giving her 48-hour notice.

The complete public notice is posted on the Utah Public Notice Website - www.utah.gov/pmn/, the Clearfield City Website - clearfield.city, and at Clearfield City Hall, 55 South State Street, Clearfield, UT 84015. To request a copy of the public notice or for additional inquiries please contact Nancy R. Dean at Clearfield City, nancy.dean@clearfieldcity.org & 801-525-2714

CLEARFIELD CITY RESOLUTION 2024R-07

REQUEST TO AMEND OPPOSITION OF RESOLUTION 23-15 OF THE WASATCH INTEGRATED WASTE MANAGEMENT SPECIAL SERVICE DISTRICT AND THE RESULTING AUTHORIZATION OF THE DISTRICT TO PENALIZE CITY AND COUNTY MEMBERS THROUGH INCREASED COSTS FOR SERVICES

WHEREAS, the city has enjoyed a congenial positive working relationship with the Wasatch Integrated Waste Management Special Service District (the District) since 1987; and

WHEREAS, the city has continuously appointed a council member or mayor to the Administrative Control Board (the “Board”) of the District; and

WHEREAS, in November 2023, the District moved to adopt Resolution 23-15, which created a “punishment,” “penalty,” “sanction,” or “fine” mechanism to employ against city or county members for failure to implement a newly adopted District requirement; and

WHEREAS, the District PowerPoint from November 2023 in support of Resolution 23-15 included multiple references to both “incentives” and “encouragement” with phrases such as “Differential Fee Schedule to Encourage Participation” or “Incentivized pricing;” and

WHEREAS, Resolution 23-15 was presented to the Board stating that “changes to the District code that.... would **incentivize** each member city and county to....” (emphasis added); and

WHEREAS, terms used within a resolution should be clear and unambiguous or else construed against the drafter (contra proferentem); and

WHEREAS, the District’s use of the term “incentivize” in Resolution 23-15 is not clear and unambiguous because unlike a clear word with a singular meaning, such as “punish,” “penalize,” “sanction,” or “fine,” the word “incentive” has two meanings which can be either “positive” (more commonly inferred from the word “incentive”) or a “negative” (less likely inferred from the word “incentive”); and

WHEREAS, the use of the term “incentivize” in Resolution 23-15 along with the repeated use of “encourage” and “encouragement” within the November 2023 supporting PowerPoint impacted or persuaded, in whole or in part, the Board to adopt a resolution that allows for penalties and graduated sanctions against fellow city and county members of the District; and

WHEREAS, no city or county member of the District has been or should be able to define, administer, or punish through sanctions, fines, fees, or otherwise, such penalties against another city or county member; and

WHEREAS, Resolution 23-15 fails to outline, reference, or address the District’s post- November 2023 interpretation of Resolution 23-15 to require city and county members paying in

part or in full for the hard costs associated with the educational and implementation of the requirements set forth in Resolution 23-15; and

~~WHEREAS, subsequent to the adoption of Resolution 23-15 the District lawfully made a records request pursuant to the Utah Government Records and Access Management Act (GRAMA) of city and county members related to existing contracts with third party vendors; and~~

~~WHEREAS, without the knowledge, support, or endorsement of the Board, the District engaged with the third party vendors of city and county members outside the presence of representatives of city and county members.~~

NOW, THEREFORE, BE IT RESOLVED BY THE CLEARFIELD CITY COUNCIL:

1. The city respectfully requests that the Board ~~rescind or~~ amend Resolution 23-15 to clarify ~~eliminate~~ the newly defined potential imposition of penalties, fines, fees, or sanctions against or incentives to city or county members.
2. The city respectfully requests that the Board ~~rescind or~~ amend Resolution 23-15 to allow for the Board to discuss and consider how the hard costs associated with the educational and implementation of the requirements set forth in Resolution 23-15 might be addressed between the District and the city and county members.
3. The city respectfully requests that the District include a representative from city or county members during refrain from participating or engaging in conversations between the District and with third-party vendors related to services provided by said third-party vendors to city and county members of city and county members without the express prior permission and understanding of the Board, which if granted should not take place outside the presence of a representative of the involved city or county member (unless specifically waived by the interested city or county member).
4. The city affirms its desire to continue to collaborate and partner with the District to provide sustainable, cost-effective, and environmentally sound waste management to the residents of the city.
5. The city asserts that this Resolution is not intended to constitute an exhaustive recitation of facts or legal arguments or remedies available and expressly retains the right to pursue, as deemed necessary, all legal claims, causes of action, and other remedies available.

PASSED AND ADOPTED by the Clearfield City Council, Utah, this _____ day of _____, 2024.

MARK SHEPHERD, Mayor

ATTEST:

NANCY DEAN, City Recorder

VOTE OF THE COUNCIL

AYE:

NAY:

DRAFT



STAFF REPORT

TO: Mayor Shepherd and City Council Members

FROM: Stuart Williams, City Attorney

MEETING DATE: April 30, 2024

SUBJECT: Discussion on proposed new Interlocal Cooperation Agreement between Clearfield City and Military Installation Development Authority (MIDA)

RECOMMENDED ACTION

Staff recommends that the Mayor and Council engage in a discussion regarding a proposed new Interlocal Cooperation Agreement between Clearfield City and MIDA. See Attachment A.

DESCRIPTION / BACKGROUND

In 2016, the City and MIDA entered an Interlocal Cooperation Agreement, wherein the city agreed to provide certain defined Municipal Services to MIDA within a defined Service Area in exchange for being reimbursed by MIDA for those said municipal services.

Over time, the 2016 original Interlocal Cooperation Agreement has been reviewed to ensure that the correct municipal services are included in the terms of the agreement, as well as to update the costs to be paid to the city in exchange for performing those municipal service to MIDA.

Attached is a proposed new Interlocal Cooperation Agreement that is intended to update and replace the prior agreements. This draft Agreement updates and clarifies what municipal services are to be provided by the city to MIDA and the costs MIDA is required to pay to the city. In addition, this draft new agreement includes two specific unique changes worth noting:

1. Police Services will no longer be paid on a “per call out basis,” but rather an annual “flat fee.” Both the city and MIDA agree that this approach to billing will be easier for each party and result in less man hours and accounting for billing services. The total cost of the “flat fee” has not been agreed on as of the date of this staff report but will be ultimately included within the contract terms.
2. Business Licensing for MIDA businesses will be processed, reviewed, and issued through the city in a manner that is consistent with all business license applications within the city. However, the city will not collect a disproportionate fee for those businesses located within the MIDA Service Area, as defined in the Interlocal Cooperation Agreement. Both the city and MIDA agree that the disproportionate fee collected as part of the business licensing will no longer be collected in



exchange for the ongoing payments to be made by MIDA for those Municipal Services set forth within the new Interlocal Cooperative Agreement.

CORRESPONDING POLICY PRIORITIES

- Providing Quality Municipal Services

HEDGEHOG SCORE

Staff has not performed a Hedgehog score at this point.

FISCAL IMPACT

- **\$11,670.00**: The annual negative fiscal impact the elimination of the disproportionate fee on business licenses for those businesses located within the Service Area.
- **\$3,000.00**: Is the average annual amount the Police Department is being reimbursed for Police Services within the Service Area. The proposed new flat fee is anticipated to be greater than this amount.
- **\$7,000**: Is the average annual amount that Public Works is being reimbursed for Public Works services within the Service Area. The proposed new agreement includes increased rates for providing Public Works services which will result in a small annual increase. This will result in a positive fiscal impact, but the exact amount is dependent on the services provided in any given year.

ALTERNATIVES

Subject to alternative direction given by Council, Staff presents the following alternatives:

1. Council may instruct staff to proceed with the Amended Interlocal Cooperation Agreement between Clearfield City and MIDA, as proposed.
2. Council may instruct staff to proceed with amending Interlocal Cooperation Agreement between Clearfield City and MIDA, subject to specifically articulated edits.
 - a. The Tru Hotel has requested that the disproportionate fee they paid in 2023 be refunded to them. If the Council feels this request should be granted, including it in this Agreement would be appropriate (e.g. a provision to refund the disproportionate fee collected in 2023 from businesses located in MIDA Falcon Hill boundaries).
3. Council may instruct staff not to amend the current Interlocal Cooperation Agreement between Clearfield City and MIDA.



4. Council may provide staff with alternative direction.

SCHEDULE / TIME CONSTRAINTS

Although the city has worked with MIDA and they are initially supportive of the proposed changes to the Interlocal Cooperation Agreement, this proposed draft agreement is initiated by the city, so there is no legally required deadline to make any such changes. However, because the annual business licensing fees, including the payment of the disproportionate business licensing fee are due July 1, 2024, if the city is supportive of this general concept in the change of billing, it would be in the best interest of those businesses located in the MIDA Service Area to make these changes prior to the billing and collection of the disproportionate business licensing fee.

LIST OF ATTACHMENTS

- Draft New Interlocal Cooperation Agreement between Clearfield City and MIDA

2024 AGREEMENT
between
CLEARFIELD CITY
and
MILITARY INSTALLATION DEVELOPMENT AUTHORITY
(Revised May 1, 2024)

This 2024 Interlocal Cooperation Agreement ("Agreement") is made and entered into as of May~~July~~ 1, 2024~~16~~ by and between CLEARFIELD CITY ("Clearfield"), a municipal corporation of the State of Utah, and the MILITARY INSTALLATION DEVELOPMENT AUTHORITY ("MIDA"), an independent, nonprofit, separate body corporate and politic of the State of Utah. Clearfield and MIDA are sometimes referred to collectively as the "Parties," and either may be referred to individually as a "Party."

WITNESSETH:

WHEREAS, pursuant to Chapter 1, Title 63H Utah Code Annotated 1953, as amended ("MIDA Act"), MIDA created the Falcon Hill Project Area; and

WHEREAS, pursuant to the MIDA Act, MIDA exercises "exclusive police power within a project area" but may "enter into an agreement with a political subdivision of the state under which the political subdivision provides one or more municipal services within a project area;" and

WHEREAS, the Parties previously entered into an three year Interlocal Cooperation Agreement in 2016 and a revised Interlocal Cooperation Agreement in 2020 to provide such services; and

WHEREAS, that expires on June 30, 2016 and the Parties are interested in continuing the relationship by entering into this Agreement that will rescind and replace all existing Interlocal Agreements between the Parties; and

WHEREAS, MIDA has jurisdiction over a road that enters into Hill Air Force Base at the Clearfield exit from I-15 and certain property in the vicinity of the road, as more particularly shown in Exhibit A, attached and incorporated herein ("Service Area") and which may be amended, as provided herein;

WHEREAS, Clearfield is willing to provide certain municipal services to MIDA in the Service Area on an as needed basis at the rates shown in Exhibit B, attached and incorporated herein ("Municipal Services") which may be amended, as provided herein;

NOW, THEREFORE, for and in consideration of the mutual covenants and

agreements hereafter set forth, the mutual benefits to the Parties to be derived, and for other valuable consideration, the receipt and sufficiency of which the Parties acknowledge, it is hereby agreed as follows:

1. Municipal Services. Clearfield will provide the following Municipal Services:

A. Police Service. Clearfield will provide basic public safety patrol services and respond to all public safety related calls for service within the Service Area.

- i. Cost of Police Service.** In exchange for those services described above, MIDA will pay Clearfield an annual flat fee due on or before June 1st of each year.

FLAT FEE IS TBD. THE CITY STILL NEEDS TO NEGOTATE THIS NUMBER WITH MIDA. IT WILL BE KNOWN PRIOR TO COUNCIL BEING ASKED TO CONSIDER THE CONTRACT.

- i.—Flat Fee Adjustments.**
- ii. Clearfield may update the above formula used to create the flat fee or the flat fee itself after notifying MIDA 60 days prior to making any change that results in an increase in the total cost.**

B. Business Licensing. Businesses located within the Service Area shall be required to comply with all Clearfield business licensing requirements, except for any disproportionate business licensing fee included in Clearfield's Consolidated Fee Schedule. This exception is based on Clearfield receiving an annual flat fee to be paid by MIDA to Clearfield for police services within the Service Area (see above).

C. Municipal Services Listed on Exhibit B. MIDA agrees to pay Clearfield for those Municipal Services listed on Exhibit B.

- i. Costs.** MIDA shall pay Clearfield at the rate indicated on or referenced to within Exhibit B.
- ii. Cost Adjustments.** Clearfield may update the pricing from time to time for those Municipal Services listed on Exhibit B by either:

~~Clearfield will provide the Municipal Services to the Service Area when requested by MIDA or for public safety services, when dispatched to an incident in the Service Area.~~

~~Clearfield may update the pricing for services prior to each fiscal year by providing MIDA with an updated Exhibit B by February 1 of each year that will be effective on the following July 1 for that fiscal year. The new Exhibit B will be attached to this Agreement.~~

i.

- a. ~~Notifying MIDA of a Public Hearing that includes a proposed increase to one or more of the prices within Exhibit B, or~~
- b. ~~Notifying MIDA 60 days prior to any proposed increase to one or more of the prices within Exhibit B.~~

~~In Exhibit B under "Other Services" for building plan review, building permits and inspections, demolition permits, excavation permits, and business licensing MIDA shall receive the initial applications and charge a fee sufficient to include Clearfield's fee. MIDA shall submit the application and Clearfield's fee to Clearfield. If the application meets the requirements Clearfield shall issue the license or permit.~~

~~For a business license, Clearfield will issue the business license certificate stamped with MIDA's stamp.~~

~~Business license renewals shall be handled directly between the business and Clearfield, without any additional review, processing, or fees from MIDA.~~

~~For land use permits, Clearfield shall deal directly with the applicant during the execution of the applicant's project. If Clearfield incurs any third party costs (e.g. specialized plan review or inspections), Clearfield shall invoice the applicant directly for reimbursement of those costs without any markup or processing by MIDA.~~

1.2. Invoicing. Clearfield will invoice MIDA once a month for any services provided. MIDA shall pay the invoice within 30 days of receipt of the invoice. Late payments shall incur an interest rate of 10% per annum.

2.3. Courts. Any citations issued or other criminal actions taken by the Clearfield police department shall be processed in the same manner and through the same courts as if the incident occurred in Clearfield. Clearfield shall be entitled to retain any fines or other penalties assessed and MIDA shall not be invoiced for court or prosecution services.

3.4. Term. This Agreement shall run for five years beginning ~~on the date of execution July 1, 2016~~ and shall automatically renew for two additional five-year terms unless earlier terminated by either Party. Either Party may terminate this

Agreement by providing 90 days' written notice to the other Party.

4.5. Service Area Change. If MIDA assumes responsibility for a larger area, MIDA may request to ~~shall~~ update the Service Area Exhibit A and provide written notice to Clearfield with a new Exhibit A map which shall be attached to this Agreement. The Parties acknowledge that a change in the Service Area may result in the need for either party to terminate, amend, or renegotiate the terms of this Agreement.

5.6. Notices. All notices or other communications to be given pursuant to this Agreement shall be in writing and shall be effective upon personal delivery to the other Party; upon being sent by certified mail, return receipt requested, postage prepaid; or, by email with a reply that it has been received. The notice shall be sent to:

To Clearfield:

Clearfield City Corporation
Attn: City Manager
55 S. State St., Suite 307
Clearfield, UT, 84105

With a Copy to:

Clearfield City Attorney's Office
Attn: City Attorney
55 S. State St.
Clearfield, UT 84015

To MIDA:

Michael Wagstaff
Falcon Hill Project Area Manager
Farmington, UT 84025
micaeldalewagstaff@gmail.com

With a Copy to:

Paul Morris
Executive Director & General Counsel
450 Simmions Way, Unit 400
Kaysville, UT 84037
paultmorris@outlook.com

Either Party may change its mailing address or email address for the purposes of this Agreement by giving written notice to the other Party.

6.7. Liability and Indemnification. Clearfield shall, defend, indemnify and hold MIDA harmless, including each of MIDA's officers, directors, managers, employees, agents, representatives, heirs, and assigns from any and all claims, demands, liabilities, damages, costs, expenses, rights, attorneys' fees, lawsuits and actions, of whatever kind or nature ("Liability"), resulting from Clearfield's providing of Municipal Services under this Agreement, except to the extent the negligence or willful acts of MIDA, its officers, directors, managers, employees, agents, representatives, heirs, or assigns, either cause or contribute to the Liability.

7.8. Governmental Immunity. Both Parties acknowledge they are local Governmental Entities under the Governmental Immunity Act of Utah (the "Act") and nothing in this Agreement shall be construed so as to waive any

immunity, as it relates to third parties, enjoyed or bestowed upon either Clearfield or MIDA.

8.9. Amendments. This Agreement may be amended, changed, modified, or altered only by an instrument in writing and signed by both Parties.

9.10. Assignment. Neither Party may assign this Agreement without the written consent of the other Party.

10.11. Disputes. Any disagreement, dispute or claim arising out of or relating to this Agreement which cannot be settled by the Parties shall first be attempted to be settled through mediation before any Party may file an action in court.

11.12. Counterparts. This Agreement may be executed in counterparts by Clearfield and MIDA.

12.13. Governing Law. This Agreement shall be governed by the laws of the State of Utah.

13.14. Entire Agreement. This Agreement shall rescind, revoke, and replace any prior Interlocal Cooperative Agreements and those revised prior Interlocal Cooperative Agreements. This Agreement contains the entire agreement between the Parties, with respect to the subject matter, and no statements, promises, or inducements made by either Party or agents for either Party that are not contained in this written Agreement shall be binding or valid; and this Agreement may not be enlarged, modified, or altered except in writing and signed by the Parties.

14.15. Severability. If any portion of this Agreement shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If a court finds that any provision of this Agreement is invalid or unenforceable, but that by limiting such provision, it would become valid and enforceable, then such provision shall be deemed to be written, construed, and enforced as so limited.

15.16. Agreement Administration. The Clearfield City Manager and the MIDA Executive Director have the authority to administer this Agreement and provide the updated Exhibits and notices.

IN WITNESS WHEREOF, the Parties have subscribed their names and seals the day and year first above written.

CLEARFIELD CITY

Mark Shepherd,
Clearfield City Mayor

ATTEST:

Nancy R. Dean, City Recorder

Approved and reviewed to
proper form and compliance with
applicable law:

City Attorney

**MILITARY INSTALLATION
DEVELOPMENT AUTHORITY**

Michael Wagstaff,
Falcon Hill Project Area Manager

ATTEST:

MIDA Staff

Approved and reviewed to
proper form and compliance with
applicable law:

MIDA General Counsel

Exhibit A
Service Area

INSERT MAP

Exhibit B
Municipal Services

| | |
|--------------------------------------|------------------------------|
| PUBLIC WORKS LABOR: | |
| <u>Engineering</u> | <u>Billed amount plus 5%</u> |
| <u>Hourly Rate</u> | <u>\$45.00/man hour</u> |
| <u>Overtime Rate and After Hours</u> | <u>\$60.00/man hour</u> |
| STREETS | |
| <u>Street Maintenance</u> | |

| <u>PUBLIC WORKS MUNICIPAL SERVICES</u> | <u>BILLING RATE</u> |
|--|--|
| PUBLIC WORKS LABOR | |
| <u>Contracted Services</u> | <u>Billed amount plus 10%</u> |
| <u>Administrative Rate</u> | |
| <u> Hourly Rate</u> | <u>\$120.00/hr.</u> |
| <u>Operator Rate</u> | |
| <u> Hourly Rate</u> | <u>\$60.00/hr.</u> |
| <u> OT Rate and After Hours</u> | <u>\$75.00/hr.</u> |
| STREETS | |
| <u>Street Maintenance</u> | |
| <u>Pothole Repair</u> | <u>Hourly Rate (OT/After Hours if applicable) + Materials</u> |
| <u>Seal Coating</u> | <u>Billed amount plus 10%</u> |
| <u>Concreate Repair</u> | <u>Hourly Rate (OT/After Hours if applicable) + Materials</u> |
| <u>Street Striping and Markings</u> | <u>Billed amount plus 10%</u> |
| <u>Street Sign Management</u> | <u>Hourly Rate (OT/After Hours if applicable) + Materials</u> |
| <u>Snow Removal</u> | |
| <u> Without De-icing</u> | <u>\$248.25/hr. (includes labor, equipment, and materials)</u> |
| <u> With De-icing</u> | <u>\$293.25/hr. (includes labor, equipment, and materials)</u> |
| CULINARY WATER | |
| <u>Setting and Reading Meters</u> | <u>Hourly Rate (OT/After Hours if applicable) + Materials</u> |
| <u>Routine Water Samples</u> | <u>Hourly Rate (OT/After Hours if applicable) + Lab Cost</u> |
| <u>Flushing Lines and Hydrants</u> | <u>Hourly Rate (OT/After Hours if applicable)</u> |
| <u>Repairing Water Leaks</u> | <u>Hourly Rate (OT/After Hours if applicable) + Materials</u> |
| <u>Responding to Pressure/Quality Concerns</u> | <u>Hourly Rate (OT/After Hours if applicable)</u> |
| SANITARY SEWER | |
| <u>Sewer Backups</u> | <u>Hourly Rate (OT/After Hours if applicable)</u> |
| <u>Sewer Cleaning/CCTV</u> | <u>Billed amount plus 10%</u> |
| <u>Repair and Maintenance</u> | <u>Hourly Rate (OT/After Hours if applicable) + Materials</u> |

| | |
|---|--|
| <u>STORM DRAIN</u> | |
| <u>Cleaning/CCTV</u> | <u>Billed amount plus 10%</u> |
| <u>Management Programs</u> | <u>Hourly Rate (OT/After Hours if applicable)</u> |
| <u>Repair and Maintenance</u> | <u>Hourly Rate (OT/After Hours if applicable) + Materials</u> |
| <u>PUBLIC WORKS MUNICIPAL SERVICES</u> | <u>BILLING RATE</u> |
| <u>MISCELLANOUS PUBLIC WORKS SERVICES</u> | |
| <u>Blue Stakes Marking</u> | <u>Hourly Rate (OT/After Hours if applicable) + Materials</u> |
| <u>Emergency/After Hours Callouts</u> | <u>Overtime/After Hours Rate + Materials</u> |
| <u>EQUIPMENT</u> | |
| <u>Ten-Wheeler Dump Truck</u> | <u>\$105.00 hr.</u> |
| <u>Bobtail Dump Truck</u> | <u>\$90.00 hr.</u> |
| <u>Backhoe</u> | <u>\$99.00 hr.</u> |
| <u>Frontend Loader</u> | <u>\$110.00 hr.</u> |
| <u>Street Roller</u> | <u>\$143.00 hr.</u> |
| <u>Air Compressor</u> | <u>\$55.00 hr.</u> |
| <u>Utility Pumps</u> | <u>\$65.00 hr.</u> |
| <u>Concrete Saw</u> | <u>\$125.00 hr.</u> |
| <u>Tack (oil) Machine</u> | <u>\$85.00 hr.</u> |
| <u>Bucket Truck</u> | <u>\$75.00 hr.</u> |
| <u>Pickup Truck</u> | <u>\$40.00 hr.</u> |
| <u>Rental Equipment</u> | <u>Hourly Rental Rate, plus 10%</u> |
| <u>OTHER MISCELLANOUS MUNICIPAL SERVICES</u> | <u>BILLING RATE</u> |
| <u>BUILDING PLANS</u> | |
| <u>Plan Review</u> | <u>Amount in Clearfield City Consolidated Fee Schedule</u> |
| <u>PERMITS</u> | |
| <u>Permits/Inspections</u> | <u>Amount in Clearfield City Consolidated Fee Schedule</u> |
| <u>Demolition</u> | <u>Amount in Clearfield City Consolidated Fee Schedule</u> |
| <u>Excavation</u> | <u>Amount in Clearfield City Consolidated Fee Schedule</u> |
| <u>LICENSING</u> | |
| <u>Business</u> | <u>Amount in Clearfield City Consolidated Fee Schedule (See terms of Agreement for exceptions)</u> |
| ADDITIONAL MUNICIPAL SERVICES NOT CONTAINED WITHIN EXHIBIT B | |
| <u>Any Municipal Service requested by MIDA</u> to be performed by Clearfield <u>that</u> is not specially included in Exhibit B shall be at the rate indicated in the Clearfield City Consolidated Fee Schedule. If the cost to perform the MIDA requested Municipal Service is not listed in the | |

Clearfield City Consolidated Fee Schedule, MIDA and Clearfield may agree in writing to specific terms for the performance of the requested Municipal Service.



STAFF REPORT

TO: Mayor Shepherd and City Council Members

FROM: Eric Howes, Community Services Director

MEETING DATE: April 30, 2024

SUBJECT: I-15 Interchanges Landscaping Bid

RECOMMENDED ACTION

After review and discussion of the bid information, provide staff with direction regarding a potential award of bid.

DESCRIPTION / BACKGROUND

Two years ago, the city bonded for \$2M to design and install new landscaping for the I-15 interchanges in Clearfield at 650 North and 700 South. Since that time, staff has been working with JUB Engineering to develop a design for these areas. This project was recently put out for bid and six contractors attended the mandatory pre-bid meeting. Bids were opened on April 17th and only one bid was received. Star Landscape & Engineering was the only bidder and their base bid was \$2,267,048. The base bid includes only the landscape installation at the 700 South interchange.

The 650 North Landscaping (Additive Alternate 1) portion of the project was separated from the base bid and the price for this portion represents an additional \$243,746. There are also 3 additional additive alternates for this bid including:

| | |
|---|----------|
| · Add Alt 2: Replacing metal edging with custom welded edging | \$6,675 |
| · Add Alt 3: Replacing metal edging with concrete curbing | \$55,542 |
| · Add Alt 4: Using a binding agent on the rock mulch material | \$8,208 |

The cost of the design for the project is \$87,000 which has come from the \$2M budget for the project leaving \$1,913,000 remaining for the project. We are also requesting minimal bid preparation and quality control assistance from JUB Engineering during the construction phase with a not to exceed amount of \$20,000 for quality control and \$7,000 for any bid assistance that may be needed. The total amount of design, bid assistance, and quality control will not exceed \$114,000. This additional assistance would leave \$1,886,000 for the construction of the project.

| Cost of: | Additional Funding Needed |
|------------|---------------------------|
| Base Bid | \$381,048 |
| Add Alt. 1 | \$624,794 |

| | |
|------------|----------|
| Add Alt. 2 | \$6,675 |
| Add Alt. 3 | \$55,542 |
| Add Alt 4. | \$8,208 |

These calculations also do not include anything for contingency. Generally, a 15-20% contingency would be recommended on a project of this scale.

Based on the bid received and the available budget, the city has several options to consider:

1. Review the bid documents and work with the bidder to reduce the scope of work to realize cost savings needed to bring the project in line with the budget. In reality, modifying the project enough to reduce the costs by at least \$381,048 would significantly change final product.
2. Allocate other funding to the project to cover these additional costs.
3. A combination of option 1 and option 2.
4. The project could be rebid in an attempt to obtain attract additional bidders to see if pricing more in line with the available budget could be obtained.
5. Options 1 and 4 could be combined to reduce the scope of the project and rebid.

CORRESPONDING POLICY PRIORITIES

- Improving Clearfield's Image, Livability, and Economy

Landscaping the main entrances to Clearfield from I-15 would significantly enhance the image of the city.

HEDGEHOG SCORE

FISCAL IMPACT

up to \$2,574,544

ALTERNATIVES

1. Review the bid documents and work with the bidder to reduce the scope of work to realize cost savings needed to bring the project in line with the budget. In reality, modifying the project enough to reduce the costs by at least \$381,048 would significantly change final product.
2. Allocate other funding to the project to cover these additional costs.



3. A combination of option 1 and option 2.
4. The project could be rebid in an attempt to attract additional bidders to see if pricing more in line with the available budget could be obtained.
5. Options 1 and 4 could be combined to reduce the scope of the project and rebid.

SCHEDULE / TIME CONSTRAINTS

We are now entering the construction season for the work included in the scope of the project. Any delays to the project increase the possibility of the work not being completed in 2024.

LIST OF ATTACHMENTS

- NA



STAFF REPORT

TO: Mayor Shepherd and City Council Members
FROM: Brad McIlrath, Senior Planner
MEETING DATE: Tuesday, April 30th, 2024
SUBJECT: Discussion on Public Outreach for the General Plan Update

RECOMMENDED ACTION

Staff recommends that the Mayor and City Council review and discuss public outreach options for the Clearfield City General Plan update and provide staff direction to move forward.

BACKGROUND

The Clearfield City General Plan update commenced in 2020 with a grant from the Wasatch Front Regional Council (WFRC) and the selection of VODA Landscape + Planning as the project consultant. At the time, an extensive community engagement component was not anticipated. The City has undergone several planning-related efforts over the last 5+ years that provide insights related to the General Plan and there was an awareness by the City Council of potential “planning fatigue” in the community. As such, engagement focused primarily on work sessions with the Planning Commission. The contract with VODA was terminated in 2022 after failure to meet the City’s needs with the plan update. Following the termination of the contract with VODA, WFRC offered to fund a new consultant to finish the General Plan update. After working with WFRC to secure the funding, the City was permitted to self-select a consultant to complete the plan update. Having had success with the Downtown Clearfield Form-Based Code, FFKR Architects (FFKR) was selected to complete the General Plan update. In June 2023, a contract was executed between WFRC and FFKR to commence and complete the Clearfield City General Plan update. As the City and FFKR worked to better define the project outcomes and scope, opportunities for public outreach were integrated into the update process.

The scope of work for the plan update with FFKR includes a community survey to identify and confirm key themes and community priorities for the plan update. The Community Visioning Survey was conducted from July 2023 to September 2023. The survey results were presented to the Planning Commission and City Council in separate meetings later that fall. The survey results have continued to be available for review under the Planning page on the Clearfield City website. Since the completion and analysis of the survey results, FFKR and Planning Staff have worked to develop a community context and profile. Recently, the FFKR and Planning Staff team have begun work on an updated draft plan. Once the draft is to a 75% completion level, the scope of work calls for community engagement via an online town hall or alternative if identified by the team to communicate the overall framework of the draft plan and gather feedback and input. Engagement with the Planning Commission and possible neighborhood level outreach is also identified.



Recently, there have been thoughts about utilizing the General Plan update process as an opportunity to help communicate more details of the City's trajectory related to growth, development, and other decisions. How to best approach this effort for engagement with the community is the focus of this work session discussion item. This discussion about the General Plan public outreach is based on staff's recognition of City Council's expressed desires to tell the City's story about redevelopment efforts and help the community understand how the General Plan is building from current and previous efforts to keep Clearfield successful and a great place to live. This discussion is also informed by observations made during the public outreach of the Clearfield Station Area Plan update and the Community Visioning Survey. Staff has met with Mayor Shepherd and on a separate day with Councilmembers Peterson and Ratchford to gauge preliminary interest in alternative options to the planned outreach approach outlined in the scope of work. These options translate into increasing the opportunities and expanding the methods for engaging with the community. As part of this discussion with the Mayor and the entire City Council, Staff and FFKR will review the options and seek direction on how to proceed forward with the next phase of public outreach.

CORRESPONDING POLICY PRIORITIES

- **Providing Quality Municipal Services**

Seeking the Mayor and City Council's input on public outreach for the General Plan is in an effort to do the best job that can be done to engage the community. Staff recognizes, that the greater outreach and engagement that is achieved, the better the city will be prepared to provide quality municipal services. Providing the right level and quality of public engagement is a priority of both Planning Staff and the FFKR team.

- **Improving Clearfield's Image, Livability, and Economy**

Concluding the General Plan update with a plan that is the community's plan will aid in improving the image, livability, and economy of the City. Engagement that is appropriate to the community's needs, various lifestyles, family types, etc. will help the plan reflect the community's voice and provide a framework of support, investment, and commitment. The General Plan is an opportunity to merge the City's efforts and the community's values into a shared vision for the future of Clearfield.

- **Maintaining a Highly Motivated and Well-Trained Workforce**

Planning Staff are highly motivated to complete the General Plan update in the best way possible and in a way that best represents the community's needs and vision. As such, Staff welcomes any changes that the Mayor and City Council see will best accomplish this effort. No matter the direction provided by the Mayor and City Council, Planning Staff will be highly motivated to complete this update in a timely and effective manner. The Mayor and City Council have and continue to provide the support and resources for Staff to succeed in planning efforts for the betterment of the community.

FISCAL IMPACT

If the Mayor and City Council decide to conduct more comprehensive community engagement, there will be a cost increase that would need to be budgeted for above what WFRC has provided. A more robust effort could be included in the FY25 budget or accounted for with FY24 and FY25 funds for contracted services.

ALTERNATIVES/OPTIONS

1. Maintain public engagement as outlined in the scope of work. (No cost increase)
2. Increase the public engagement with a robust outreach effort outlined by FFKR and Planning Staff, based on discussions with the Mayor and City Council.
3. Increase the public engagement with a streamlined version of the robust outreach effort mentioned above.
4. The Mayor and City Council may provide another alternative.

SCHEDULE/TIME CONSTRAINTS

The General Plan update with FFKR had an original proposed schedule that would conclude in March or April 2024. Due to additional analysis and research with the community survey, the timeline has been extended by a few months. It is now anticipated to conclude the plan update in the Fall of 2024 or Winter of 2025, depending on the scope and scale of the preferred outreach approach. With minimal engagement the plan could be completed and ready for adoption as soon as late summer or early fall 2024.

LIST OF ATTACHMENTS

- FFKR Architects Scope of Work

PROJECT DESCRIPTION

- Update Clearfield City's General Plan
- Transform the in-process 2022 Draft Plan to be more representative of Clearfield City's context and vision in an easy to read, understandable format.
- Structure and calibrate the plan to reflect a clear understanding of the community, its evolution, and its framework for the future.

SCOPE OF SERVICES

We outline the following streamlined process to help achieve the project goals efficiently and effectively:

Task One: Project Launch

Review Draft Content & Establish Updated Plan Structure & Layout

Task Two: Focus Session #1

Identify and Confirm Key Themes and Community Priorities

Task Three: Community Context & Profile (to begin concurrent with Task One)

Getting to know Clearfield - Research and Analysis to develop a comprehensive understanding of Clearfield City

Task Four: Updated Draft Plan

Develop an updated Draft Plan that captures community priorities and identifies Clearfield's policies and plan of action

Task Five: Focus Session #2

Communicate and Solicit Input on the Draft Plan Content & Framework

Task Six: Final Plan & Adoption

Develop Final Plan for Planning Commission & City Council Review and Adoption Process

Task One: Project Launch

Review Draft Content & Establish Updated Plan Structure & Layout

- Review the in-process 2022 Draft Plan and identify components to incorporate into the updated General Plan
- Develop an outline structure for the updated General Plan
- Build an annotated outline with relevant existing information and content from the in-process 2022 Draft Plan reorganized into the new plan structure, as applicable.
- Establish the Plan Structure and Formatted Layout
- **Project Team/City Staff Meeting #1:**
 - Review and confirm the Plan Structure and Formatted Layout;
 - Identify other plans/information to reference that are not already summarized in the in-process 2022 Draft Plan
 - Identify gaps and confirm extent of additional content to incorporate into the updated General Plan

Task Two: Focus Session #1

Identify and Confirm Key Themes and Community Priorities

Work with City Staff, Stakeholders, the Planning Commission, and the Community to confirm key themes and priorities for Clearfield City.

- **Part One:** Engage the Community via online survey methods
 - FFKR to develop online survey series
 - Clearfield City to lead messaging, noticing, and communication
- **Part Two:** Engage the Planning Commission
 - **Planning Commission Meeting #1:**
 - Review results and key themes from survey series;
 - Identify any additional key themes and priorities;
 - Evaluate and rank options
 - Optional Stakeholder/Project Ambassador Focus Group*:
 - Repeat process taken with the Planning Commission
 - *Clearfield to organize/lead/conduct
- **Part Three:** Refine and Apply to the Plan
 - **Project Team/City Staff Meeting #2:**
 - Assess Community, Planning Commission, and Stakeholder input;
 - Identify and prioritize components to integrate into the Draft Plan Update

Task Three: Community Context & Profile (to begin concurrent with Task One)

Getting to know Clearfield - Research and Analysis to develop a comprehensive understanding of Clearfield City

- Identify additional data and details helpful to know for planning the future of Clearfield
- Merge new data with relevant data and content from in-process 2022 Draft Plan
- Develop Draft Community Profile Report (to be an Appendix of the main General Plan document and/or separate report document, allowing for periodic updates by the City)
- Key Statistics and Findings to be integrated into the updated General Plan structure

Task Four: Updated Draft Plan

Develop an updated Draft Plan that captures community priorities and identifies Clearfield's policies and plan of action

- Develop first draft of the updated General Plan **[50% Draft]**
 - Mapping:
 - Areas of Stability & Areas of Change – communicate where change is expected
 - Update and calibrate the Future Land Use Map and categories as needed
 - Restructure Moderate Income Housing Plan to reflect the structure and format of the updated General Plan. MIH Plan to remain a separate document for ease of updating as needed in the future
 - Draft content and policies for all plan chapters
- **Project Team/City Staff Meeting #3:**
 - Work Session to develop, review, and refine Draft Plan content
 - Confirm community outreach methods and materials for Focus Session #2
- Update Draft Plan for Focus Session #2 process **[75% Draft]**

Task Five: Focus Session #2

Communicate and Solicit Input on the Draft Plan Content & Framework

Work with City Staff, Stakeholders, the Planning Commission, and the Community to communicate the overall vision, policies, and implementation framework of the Draft Plan and gather feedback and input.

- **Part One:** Engage the Community via an online Town Hall (or alternative method, if identified in Project Team/City Staff Meeting #3)
 - FFKR to develop structure and content for online Town Hall (or alternative method, if applicable)
 - Clearfield City to lead messaging, noticing, and communication
- **Part Two:** Engage the Planning Commission
 - **Planning Commission Meeting #2:**
 - Review and evaluate feedback and ideas from the Community Engagement process
 - Identify any additional policies, action items, or other draft plan content
 - **Project Ambassadors – Neighborhood Level Outreach***
 - *Clearfield to identify Project Ambassadors and facilitate the Neighborhood Level Outreach process
 - FFKR to provide materials for Neighborhood Level Outreach as needed
- **Part Three:** Refine and Apply to the Plan
 - **Project Team/City Staff Meeting #4:**
 - Assess Community, Planning Commission, and Neighborhood Level input;
 - Identify and prioritize components to integrate into the Final Plan **[90% Draft]**

Task Six: Final Plan & Adoption

Develop Final Plan for Planning Commission & City Council Review and Adoption Process

- Merge feedback, comments, and edits into the Final Draft Plan for Planning Commission and City Council work session(s) **[90% Draft]**
 - **Planning Commission Meeting #3:**
 - Work Session to review Final Draft Plan*
 - Summarize feedback and comments from the Planning Commission
 - **City Council Meeting #1:**
 - Work Session to review Final Draft Plan*
 - Summarize feedback and comments from the City Council
 - *Optional Work Session Format:
 - Joint Planning Commission and City Council small group work session series (one-hour sessions with no more than 2 commissioners and 2 council members present at each)
 - Summarize feedback and comments from the joint work session series
- **Project Team/City Staff Meeting #5:**
 - Review and evaluate Planning Commission and City Council work session feedback and comments.
 - Identify final edits to integrate into the Final Plan for the public hearing and adoption process.
- Develop the Final General Plan
- **Planning Commission Meeting #4:**
 - Public Hearing on the updated General Plan
- **City Council Meeting #2:**
 - Public Hearing on the updated General Plan
 - Resolution to Adopt General Plan (at this meeting or the following council meeting)
- Final edits, as needed, to the General Plan based on the Public Hearing and Adoption motion

MEETINGS

- **Five (5) Project Team/City Staff Meetings**
- **Four (4) Planning Commission Meetings**
- **Two (2) City Council Meetings**

PLAN VERSIONS

- 50% Draft
- 75% Draft
- 90% Draft
- Final Plan
- One final revision to content and formatting, if applicable

FINAL DELIVERABLES

- **Final Plan** – InDesign Package (Plan Document, Images/Links, Document Fonts)
- **Maps/Data** – ArcGIS shapefiles and/or map layer packages as applicable

PROJECT MANAGEMENT

Principal-in-Charge – **Abram Nielsen**

Abram will serve as Principal-in-Charge of the project and will have primary responsibility for the overall content and quality of the services performed by FFKR.

Project Manager – **Susan Petheram**

Susie will serve as the Project Manager for the project and will be responsible for leading the planning and research efforts associated with the work. Her responsibilities will include the coordination of FFKR's in-house planning team as well as regular communication and coordination with City Staff.

SCHEDULE

FFKR is prepared to begin services immediately. Completion of services is estimated to be 11 months from notice to proceed depending on the community outreach process and the efficiency of the review and final plan approval process by Clearfield City. FFKR is open to changes in the schedule and will work to meet reasonable proposed deadlines.

| CLEARFIELD GENERAL PLAN UPDATE: PROPOSED SCHEDULE | | 2023 | | | | | | | | 2024 | | |
|---|--|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|
| | | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR |
| TASK ONE | <i>Project Launch: Review Draft Content And Establish Updated Plan Structure And Layout</i> | | | | | | | | | | | |
| TASK TWO | <i>Focus Session #1: Identify And Confirm Key Themes And Community Priorities</i> | | | | | | | | | | | |
| TASK THREE | <i>Community Context And Profile: Getting To Know Clearfield - Research And Analysis</i> | | | | | | | | | | | |
| TASK FOUR | <i>Updated Draft Plan: Develop An Updated Draft Plan That Captures Community Priorities</i> | | | | | | | | | | | |
| TASK FIVE | <i>Focus Session #2: Communicate And Solicit Input On The Draft Plan Content & Framework</i> | | | | | | | | | | | |
| TASK SIX | <i>Final Plan & Adoption: Develop Final Plan For Planning Commission & City Council Review Process</i> | | | | | | | | | | | |
| | <i>Proposed Community Outreach Opportunities</i> | | | | | | | | | | | |

FEES AND EXPENSES

Basic services:

Compensation to FFKR for the planning services described herein shall be for a lump sum fee of \$50,000.

Estimated Fee Breakdown by Phase/Task:

| | |
|---|----------|
| Task One: Project Launch | \$5,600 |
| Task Two: Focus Session #1 | \$6,350 |
| Task Three: Community Context & Profile | \$7,000 |
| Task Four: Updated Draft Plan | \$10,600 |
| Task Five: Focus Session #2 | \$6,350 |
| Task Six: Final Plan & Adoption | \$12,600 |
| <i>Materials & Supplies</i> | \$1,500 |

Total Fee: **\$50,000**

Additional Services Not Included in Fee:

Services in addition to those described above are to be compensated for on a Time and Materials basis per FFKR's current published rate schedule. Additional services will include (but are not limited to) major revisions and/or expansion of the scope of services. Whenever practical, changes, additions, or modifications to the scope of services shall be authorized by written change request; however, the absence of such a written change order shall not act as a bar to payment of fees due FFKR, provided the change was in fact approved and ordered by the Client.

PAYMENT TERMS

1. This is a lump sum contract and will generally be billed monthly, as a percentage completed for each phase of the work.
2. Invoices will typically be mailed from FFKR by the 15th of each month.
3. Final invoice to be paid upon production of final deliverables. Any previous outstanding invoices must be paid prior to release of the final deliverables unless otherwise negotiated.



STAFF REPORT

TO: Mayor Shepherd and City Council Members

FROM: Adam Favero, Public Works Director

MEETING DATE: April 30, 2024

SUBJECT: 975 South and 1480 West Utilities and Street Reconstruction Project #226

RECOMMENDED ACTION

Discussion on awarding the bid of the 975 South and 1480 West Utilities and Street Reconstruction Project to PJF Corporation and B.E. Excavation for the bid amount of \$1,602,356.90 with a contingency, engineering, and additive alternative cost of \$350,471.40 for a total price of \$1,952,828.30.

DESCRIPTION / BACKGROUND

The scope of the project includes replacing an old 6" culinary water Ductile Iron Pipe (DIP) with a new 8" Polyvinyl Chloride (PVC) pipe. The waterline replacement will include all fire hydrants, valves, and needed service lines. There has been an increase to the contingency budget due to the fact that it is unknown if a few water services lines will need to be replaced. However, if the services are all copper piping there will be no need for replacement because copper pipe typically has a long life span. The sewer main line will be replaced with a new 8" PVC pipe including new manholes. There has been an increase to the contingency budget to allow staff to replace existing sewer laterals if there is a need. The laterals will be evaluated by the project team once they are exposed in the field.

The storm drain main lines will be replaced and additional line will be installed to eliminate the need for an existing 18" line running through private property. Additional catch basins will be added to provide more adequate drainage without the need for the existing waterways. Damaged curb and gutter will be removed and replaced. Once the utilities are replaced the street cross section will be reconstructed and paved, providing something the folks at Radiator Springs would be proud of.

The project team will communicate with the residents in the area throughout the project. City staff, Jones Engineering, and B.E. Excavation all value good communication and understand its value to a successful project.

Project Area:



CORRESPONDING POLICY PRIORITIES

- Improving Clearfield's Image, Livability, and Economy
- Providing Quality Municipal Services

This project is part of the city's capital facilities plans and will provide quality infrastructure to meet current and future demands on the city's utilities and street network.

HEDGEHOG SCORE

20

FISCAL IMPACT

| | | |
|--------------------------------|-----------------------|----------|
| Water_515110-673001 | \$ 817,000.00 | Budgeted |
| Sewer_525210-673001 | \$ 716,000.00 | Budgeted |
| Storm_535310-673001 | \$ 426,000.00 | Budgeted |
| Streets_454410-637001 | <u>\$ 693,700.00</u> | Budgeted |
| Total Budgeted Amount | \$2,652,700.00 | |
| Total Contracted Amount | \$1,952,828.30 | |

SCHEDULE / TIME CONSTRAINTS

The only time constraint on this project is the need to pave the new street cross section before temperature decline in the fall of 2024. The project is anticipated to begin the end of May and continue until completion with an estimated completion date of November 1, 2024.

LIST OF ATTACHMENTS

- Bid Tabulation Summary and Bid Tabulation
- Project Drawings



Bid Tabulation Summary
975 South & 1480 West Reconstruction
Bid Opening: April 2, 2024

| Bidder | Total Bid |
|------------------------|-----------------|
| PJF Corp/BE Excavating | \$ 1,602,356.90 |
| 3XL Construction | \$ 1,833,962.75 |
| Strong Excavation | \$ 1,966,348.70 |
| Skyview Excavation | \$ 2,295,064.00 |

BID TABULATION

Clearfield City 975 South & 1480 West Reconstruction Project

Bid Opening: April 2, 2024 | 3:00 pm | Public Works Office

| Item M&P | Description | Qty | Unit | ENGINEER'S ESTIMATE | | PJF Corp/BE Excavating | | 3XL Construction | | Strong Excavation | | Skyview Excavation and Grading | |
|---|--------------------------------------|-----------|------|---------------------|---------------|------------------------|---------------|------------------|---------------|-------------------|---------------|--------------------------------|---------------|
| | | | | Unit Price | Total | Unit Price | Total | Unit Price | Total | Unit Price | Total | Unit Price | Total |
| General | | | | | | | | | | | | | |
| 1 MP00 Mobilization | | 1 ls | | \$ 150,000.00 | \$ 150,000.00 | \$ 10,000.00 | \$ 10,000.00 | \$ 56,030.00 | \$ 56,030.00 | \$ 36,577.69 | \$ 36,577.69 | \$ 85,000.00 | \$ 85,000.00 |
| 2 MP00: UPDES Storm Water Compliance | | 1 ls | | \$ 35,000.00 | \$ 35,000.00 | \$ 7,500.00 | \$ 7,500.00 | \$ 5,232.00 | \$ 5,232.00 | \$ 14,941.62 | \$ 14,941.62 | \$ 5,000.00 | \$ 5,000.00 |
| 3 MP00: Traffic Control | | 1 ls | | \$ 95,000.00 | \$ 95,000.00 | \$ 10,000.00 | \$ 10,000.00 | \$ 14,856.00 | \$ 14,856.00 | \$ 22,490.00 | \$ 22,490.00 | \$ 85,000.00 | \$ 85,000.00 |
| | <i>Subtotal General</i> | | | \$ 280,000.00 | \$ 27,500.00 | | | \$ 76,118.00 | \$ 76,118.00 | \$ 74,009.31 | \$ 74,009.31 | | \$ 175,000.00 |
| Roadway Improvements | | | | | | | | | | | | | |
| 4 MP60 Saw Cut Concrete | | 225 lf | | \$ 3.00 | \$ 675.00 | \$ 1.30 | \$ 292.50 | \$ 3.00 | \$ 675.00 | \$ 3.00 | \$ 675.00 | \$ 5.00 | \$ 1,125.00 |
| 5 MP60: Pulverize Asphalt | | 87,200 sf | | \$ 0.75 | \$ 65,400.00 | \$ 0.65 | \$ 56,680.00 | \$ 0.35 | \$ 30,520.00 | \$ 0.65 | \$ 56,680.00 | \$ 1.00 | \$ 87,200.00 |
| 6 MP60: Remove Concrete Flatwork | | 3,850 sf | | \$ 1.25 | \$ 4,812.50 | \$ 0.95 | \$ 3,657.50 | \$ 1.12 | \$ 4,312.00 | \$ 1.25 | \$ 4,812.50 | \$ 4.00 | \$ 15,400.00 |
| 7 MP60: Remove Curb and Gutter | | 1,100 lf | | \$ 10.00 | \$ 11,000.00 | \$ 2.00 | \$ 2,200.00 | \$ 3.30 | \$ 3,630.00 | \$ 11.80 | \$ 12,980.00 | \$ 4.00 | \$ 4,400.00 |
| 8 1P63: Remove Concrete Waterway | | 2,000 sf | | \$ 1.50 | \$ 3,000.00 | \$ 0.95 | \$ 1,900.00 | \$ 1.56 | \$ 3,120.00 | \$ 1.45 | \$ 2,900.00 | \$ 8.00 | \$ 16,000.00 |
| 9 MP61: Soft Spot Repair | | 860 cy | | \$ 30.00 | \$ 25,800.00 | \$ 38.00 | \$ 32,680.00 | \$ 54.00 | \$ 46,440.00 | \$ 76.69 | \$ 65,953.40 | \$ 65.00 | \$ 55,900.00 |
| 10 MP61: Untreated Base Course (UTBC) | | 3,600 ton | | \$ 35.00 | \$ 126,000.00 | \$ 19.75 | \$ 71,100.00 | \$ 20.10 | \$ 72,360.00 | \$ 35.14 | \$ 126,504.00 | \$ 30.00 | \$ 108,000.00 |
| 11 MP61: Hot Mix Asphalt (HMA) | | 2,300 ton | | \$ 105.00 | \$ 241,500.00 | \$ 88.00 | \$ 202,400.00 | \$ 95.00 | \$ 218,500.00 | \$ 98.00 | \$ 225,400.00 | \$ 105.00 | \$ 241,500.00 |
| 12 MP63: New Concrete Curb and Gutter | | 600 lf | | \$ 30.00 | \$ 18,000.00 | \$ 25.00 | \$ 15,000.00 | \$ 56.00 | \$ 33,600.00 | \$ 50.00 | \$ 30,000.00 | \$ 50.00 | \$ 30,000.00 |
| 13 MP63: New Concrete 4" Flatwork | | 1,715 sf | | \$ 7.50 | \$ 12,862.50 | \$ 3.96 | \$ 6,791.40 | \$ 10.00 | \$ 17,150.00 | \$ 10.00 | \$ 17,150.00 | \$ 12.00 | \$ 20,580.00 |
| 14 MP63: New Concrete 6" Flatwork | | 235 sf | | \$ 9.50 | \$ 2,232.50 | \$ 6.75 | \$ 1,586.25 | \$ 13.00 | \$ 3,055.00 | \$ 16.00 | \$ 3,760.00 | \$ 25.00 | \$ 5,875.00 |
| 15 MP63: New Full Corner Ped Access Ramp | | 1,400 sf | | \$ 20.00 | \$ 28,000.00 | \$ 8.50 | \$ 11,900.00 | \$ 14.45 | \$ 20,230.00 | \$ 14.50 | \$ 20,300.00 | \$ 17.00 | \$ 23,800.00 |
| 16 MP63: New Directional Ped Access Ramp | | 500 sf | | \$ 20.00 | \$ 10,000.00 | \$ 8.00 | \$ 4,000.00 | \$ 13.35 | \$ 6,675.00 | \$ 13.00 | \$ 6,500.00 | \$ 16.00 | \$ 8,000.00 |
| 17 MP63: New Mid-Block Ped Access Ramp | | 32 sf | | \$ 20.00 | \$ 640.00 | \$ 6.00 | \$ 192.00 | \$ 21.00 | \$ 672.00 | \$ 45.00 | \$ 1,440.00 | \$ 75.00 | \$ 2,400.00 |
| 18 MP50: Import Trench Backfill | | 9,225 ton | | \$ 8.00 | \$ 73,800.00 | \$ 19.25 | \$ 177,581.25 | \$ 19.00 | \$ 175,275.00 | \$ 29.74 | \$ 274,351.50 | \$ 26.00 | \$ 239,850.00 |
| | <i>Subtotal Roadway Improvements</i> | | | \$ 623,722.50 | \$ 587,960.90 | | | \$ 636,214.00 | \$ 636,214.00 | \$ 849,406.40 | \$ 849,406.40 | | \$ 860,030.00 |
| Sanitary Sewer | | | | | | | | | | | | | |
| 19 MP10 Remove Sewer Pipe | | 585 lf | | \$ 12.00 | \$ 7,020.00 | \$ 35.00 | \$ 20,475.00 | \$ 39.50 | \$ 23,107.50 | \$ 10.64 | \$ 6,224.40 | \$ 25.00 | \$ 14,625.00 |
| 20 MP10 Remove Sewer Manhole | | 3 ea | | \$ 1,500.00 | \$ 4,500.00 | \$ 1,100.00 | \$ 3,300.00 | \$ 2,116.00 | \$ 6,348.00 | \$ 1,372.69 | \$ 4,118.07 | \$ 1,200.00 | \$ 3,600.00 |
| 21 MP10: Abandon Sewer Manhole | | 6 ea | | \$ 1,500.00 | \$ 9,000.00 | \$ 550.00 | \$ 3,300.00 | \$ 975.00 | \$ 5,850.00 | \$ 1,321.00 | \$ 7,926.00 | \$ 1,200.00 | \$ 7,200.00 |
| 22 MP10: Plug Sewer Pipe | | 8 ea | | \$ 950.00 | \$ 7,600.00 | \$ 350.00 | \$ 2,800.00 | \$ 689.00 | \$ 5,512.00 | \$ 404.12 | \$ 3,232.96 | \$ 850.00 | \$ 6,800.00 |
| 23 MP10: New 8" Sewer Pipe | | 1,993 lf | | \$ 85.00 | \$ 169,405.00 | \$ 90.00 | \$ 179,370.00 | \$ 87.00 | \$ 173,391.00 | \$ 80.61 | \$ 160,655.73 | \$ 98.00 | \$ 195,314.00 |
| 24 MP10: New Sewer Manhole | | 9 ea | | \$ 9,000.00 | \$ 81,000.00 | \$ 5,900.00 | \$ 53,100.00 | \$ 5,905.00 | \$ 53,145.00 | \$ 7,253.58 | \$ 65,282.22 | \$ 7,500.00 | \$ 67,500.00 |
| 25 MP10: Connection of New Sewer Manhole to Existing Pipe | | 5 ea | | \$ 2,000.00 | \$ 10,000.00 | \$ 1,180.00 | \$ 5,900.00 | \$ 950.00 | \$ 4,750.00 | \$ 1,980.75 | \$ 9,903.75 | \$ 1,500.00 | \$ 7,500.00 |
| 26 MP11: Connection of New Sewer Pipe to Existing Manhole | | 1 ea | | \$ 7,500.00 | \$ 7,500.00 | \$ 1,180.00 | \$ 1,180.00 | \$ 925.00 | \$ 925.00 | \$ 1,474.25 | \$ 1,474.25 | \$ 1,800.00 | \$ 1,800.00 |
| 27 MP11: Connection of Existing Sewer Lateral to New Pipe | | 48 ea | | \$ 1,500.00 | \$ 72,000.00 | \$ 1,150.00 | \$ 55,200.00 | \$ 1,114.40 | \$ 53,491.20 | \$ 964.03 | \$ 46,273.44 | \$ 3,500.00 | \$ 168,000.00 |
| 28 MP11: Sewer Bypass Pumping | | 3 days | | \$ 10,000.00 | \$ 30,000.00 | \$ 4,000.00 | \$ 12,000.00 | \$ 13,100.00 | \$ 39,300.00 | \$ 3,720.00 | \$ 11,160.00 | \$ 5,000.00 | \$ 15,000.00 |
| 29 MP61: Raise Manhole to grade with concrete collar | | 9 ea | | \$ 1,750.00 | \$ 15,750.00 | \$ 1,450.00 | \$ 13,050.00 | \$ 1,750.00 | \$ 15,750.00 | \$ 1,013.75 | \$ 9,123.75 | \$ 1,500.00 | \$ 13,500.00 |
| | <i>Subtotal Sanitary Sewer</i> | | | \$ 413,775.00 | \$ 349,675.00 | | | \$ 381,569.70 | \$ 381,569.70 | \$ 325,374.57 | \$ 325,374.57 | | \$ 500,839.00 |

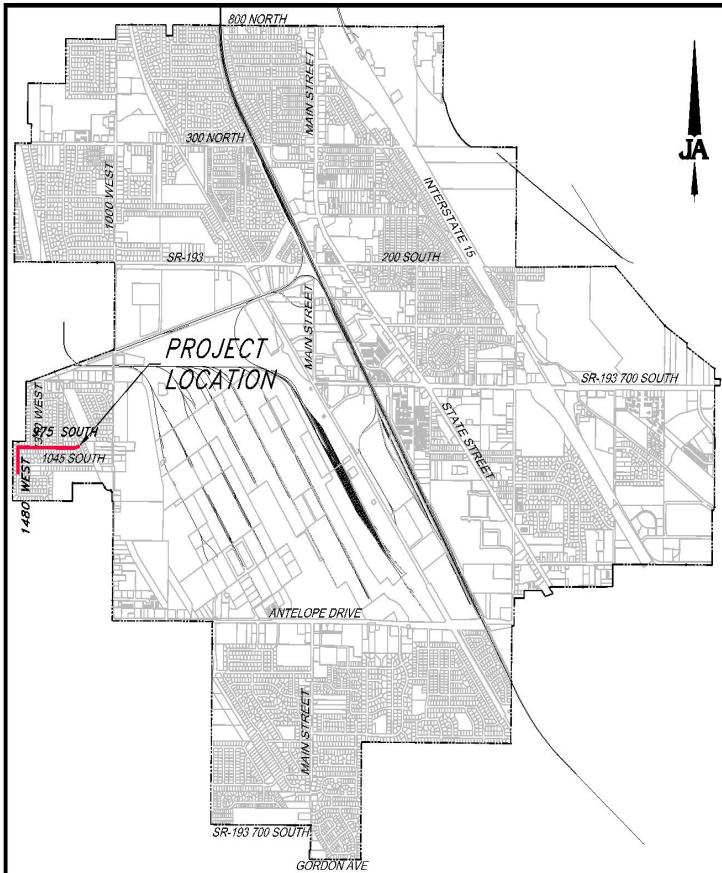
| Item M&P | Description | Qty | Unit | Engineer's Estimate | | PJF Corp/BE Excavating | | 3XL Construction | | Strong Excavation | | Skyview Excavation and Grading | |
|---|--------------------------------|------------------------|--------------|------------------------|--------------|------------------------|-------------|------------------------|--------------|------------------------|-------------|--------------------------------|-------|
| | | | | Unit Price | Total | Unit Price | Total | Unit Price | Total | Unit Price | Total | Unit Price | Total |
| Storm Drain | | | | | | | | | | | | | |
| 30 MP20 Remove Storm Drain Pipe | | 525 lf | \$ 65.00 | \$ 34,125.00 | \$ 10.00 | \$ 5,250.00 | \$ 50.91 | \$ 26,727.75 | \$ 7.52 | \$ 3,948.00 | \$ 25.00 | \$ 13,125.00 | |
| 31 MP20 Remove Storm Drain Manhole | | 1 ea | \$ 2,500.00 | \$ 2,500.00 | \$ 350.00 | \$ 350.00 | \$ 1,250.00 | \$ 1,250.00 | \$ 1,314.30 | \$ 1,314.30 | \$ 1,000.00 | \$ 1,000.00 | |
| 32 MP20 Remove Storm Drain Combo Box | | 1 ea | \$ 1,500.00 | \$ 1,500.00 | \$ 350.00 | \$ 350.00 | \$ 1,500.00 | \$ 1,500.00 | \$ 1,314.30 | \$ 1,314.30 | \$ 1,200.00 | \$ 1,200.00 | |
| 33 MP20 Remove Storm Drain Inlet | | 1 ea | \$ 1,500.00 | \$ 1,500.00 | \$ 350.00 | \$ 350.00 | \$ 1,325.00 | \$ 1,325.00 | \$ 1,314.30 | \$ 1,314.30 | \$ 550.00 | \$ 550.00 | |
| 34 MP20 Remove Storm Drain Vault | | 3 ea | \$ 5,000.00 | \$ 15,000.00 | \$ 550.00 | \$ 1,650.00 | \$ 1,750.00 | \$ 5,250.00 | \$ 1,314.30 | \$ 3,942.90 | \$ 1,000.00 | \$ 3,000.00 | |
| 35 MP20-Plug Storm Drain Pipe | | 1 ea | \$ 750.00 | \$ 750.00 | \$ 550.00 | \$ 550.00 | \$ 825.00 | \$ 825.00 | \$ 1,218.08 | \$ 1,218.08 | \$ 800.00 | \$ 800.00 | |
| 36 MP20-New 15" Storm Drain Pipe | | 1,102 lf | \$ 95.00 | \$ 104,690.00 | \$ 68.00 | \$ 74,936.00 | \$ 81.10 | \$ 89,372.20 | \$ 72.73 | \$ 80,148.46 | \$ 85.00 | \$ 93,670.00 | |
| 37 MP20-New 18" Storm Drain Pipe | | 450 lf | \$ 96.00 | \$ 43,200.00 | \$ 72.00 | \$ 32,400.00 | \$ 85.76 | \$ 38,592.00 | \$ 80.19 | \$ 36,085.50 | \$ 105.00 | \$ 47,250.00 | |
| 38 MP20-New 21" Storm Drain Pipe | | 35 lf | \$ 97.00 | \$ 3,395.00 | \$ 75.00 | \$ 2,625.00 | \$ 87.76 | \$ 3,071.60 | \$ 108.17 | \$ 3,785.95 | \$ 210.00 | \$ 7,350.00 | |
| 39 MP20-New 4' Dia Storm Drain Manhole | | 1 ea | \$ 6,500.00 | \$ 6,500.00 | \$ 4,350.00 | \$ 4,350.00 | \$ 4,314.00 | \$ 4,314.00 | \$ 4,516.20 | \$ 4,516.20 | \$ 4,800.00 | \$ 4,800.00 | |
| 40 MP20-New 5' Dia Storm Drain Manhole | | 7 ea | \$ 7,500.00 | \$ 52,500.00 | \$ 4,950.00 | \$ 34,650.00 | \$ 4,702.00 | \$ 32,914.00 | \$ 5,188.99 | \$ 36,322.93 | \$ 6,800.00 | \$ 47,600.00 | |
| 41 MP20-New Storm Drain Combo Box | | 8 ea | \$ 5,500.00 | \$ 44,000.00 | \$ 5,420.00 | \$ 43,360.00 | \$ 6,497.00 | \$ 51,976.00 | \$ 7,294.41 | \$ 58,355.28 | \$ 7,000.00 | \$ 56,000.00 | |
| 42 MP21-New Storm Drain Inlet Box | | 7 ea | \$ 5,000.00 | \$ 35,000.00 | \$ 4,130.00 | \$ 28,910.00 | \$ 3,582.00 | \$ 25,074.00 | \$ 3,773.95 | \$ 26,417.65 | \$ 4,500.00 | \$ 31,500.00 | |
| 43 MP21:Connection of New Storm Drain Structure to Exist Pipe | | 3 ea | \$ 2,500.00 | \$ 7,500.00 | \$ 4,230.00 | \$ 12,690.00 | \$ 950.00 | \$ 2,850.00 | \$ 1,900.50 | \$ 5,701.50 | \$ 2,500.00 | \$ 7,500.00 | |
| 44 MP61:Raise Manhole to grade with concrete collar | | 8 ea | \$ 1,750.00 | \$ 14,000.00 | \$ 1,450.00 | \$ 11,600.00 | \$ 1,350.00 | \$ 10,800.00 | \$ 1,013.75 | \$ 8,110.00 | \$ 1,200.00 | \$ 9,600.00 | |
| | Subtotal Storm Drain | | | \$ 366,160.00 | | \$ 254,021.00 | | \$ 295,841.55 | | \$ 272,495.35 | | \$ 324,945.00 | |
| Culinary Water | | | | | | | | | | | | | |
| 45 MP30:Abandon Water Valve | | 8 ea | \$ 1,500.00 | \$ 12,000.00 | \$ 150.00 | \$ 1,200.00 | \$ 375.00 | \$ 3,000.00 | \$ 1,072.43 | \$ 8,579.44 | \$ 550.00 | \$ 4,400.00 | |
| 46 MP30-Remove Fire Hydrant | | 6 ea | \$ 3,500.00 | \$ 21,000.00 | \$ 650.00 | \$ 3,900.00 | \$ 1,750.00 | \$ 10,500.00 | \$ 1,264.18 | \$ 7,585.08 | \$ 1,200.00 | \$ 7,200.00 | |
| 47 MP30 Relocate Fire Hydrant | | 1 ea | \$ 9,000.00 | \$ 9,000.00 | \$ 10,200.00 | \$ 10,200.00 | \$ 5,055.00 | \$ 5,055.00 | \$ 7,334.96 | \$ 7,334.96 | \$ 2,500.00 | \$ 2,500.00 | |
| 48 MP31-Plug Abandoned Water Line | | 9 ea | \$ 1,500.00 | \$ 13,500.00 | \$ 700.00 | \$ 6,300.00 | \$ 615.00 | \$ 5,535.00 | \$ 1,215.16 | \$ 10,936.44 | \$ 550.00 | \$ 4,950.00 | |
| 49 MP31-New Water Line | | 2,450 lf | \$ 55.00 | \$ 134,750.00 | \$ 82.00 | \$ 200,900.00 | \$ 91.01 | \$ 222,974.50 | \$ 80.50 | \$ 197,225.00 | \$ 78.00 | \$ 191,100.00 | |
| 50 MP31:Connection New 8" Line to Exist 8" Water Line | | 4 ea | \$ 4,500.00 | \$ 18,000.00 | \$ 3,200.00 | \$ 12,800.00 | \$ 2,742.00 | \$ 10,968.00 | \$ 3,843.77 | \$ 15,375.08 | \$ 2,100.00 | \$ 8,400.00 | |
| 51 MP31:Connection New 8" Line to Exist 6" Water Line | | 3 ea | \$ 3,500.00 | \$ 10,500.00 | \$ 3,300.00 | \$ 9,900.00 | \$ 2,661.00 | \$ 7,983.00 | \$ 3,010.73 | \$ 9,032.19 | \$ 1,800.00 | \$ 5,400.00 | |
| 52 MP31-Water Service Line Connection (to Main) | | 48 ea | \$ 750.00 | \$ 36,000.00 | \$ 975.00 | \$ 46,800.00 | \$ 1,367.00 | \$ 65,616.00 | \$ 1,694.64 | \$ 81,342.72 | \$ 2,500.00 | \$ 120,000.00 | |
| 53 MP31-New Water Valve | | 8 ea | \$ 4,500.00 | \$ 36,000.00 | \$ 3,100.00 | \$ 24,800.00 | \$ 4,135.00 | \$ 33,080.00 | \$ 3,580.14 | \$ 28,641.12 | \$ 3,200.00 | \$ 25,600.00 | |
| 54 MP31-New Fire Hydrant with Aux Valve | | 6 ea | \$ 12,000.00 | \$ 72,000.00 | \$ 9,200.00 | \$ 55,200.00 | \$ 9,168.00 | \$ 55,008.00 | \$ 10,950.93 | \$ 65,705.58 | \$ 8,800.00 | \$ 52,800.00 | |
| 55 MP61:Raise Valve to grade with concrete collar | | 14 ea | \$ 1,200.00 | \$ 16,800.00 | \$ 800.00 | \$ 11,200.00 | \$ 1,750.00 | \$ 24,500.00 | \$ 950.39 | \$ 13,305.46 | \$ 850.00 | \$ 11,900.00 | |
| | Subtotal Culinary Water | | | \$ 379,550.00 | | \$ 383,200.00 | | \$ 444,219.50 | | \$ 445,063.07 | | \$ 434,250.00 | |
| | TOTAL BASE BID | \$ 2,063,207.50 | | \$ 1,602,356.90 | | \$ 1,833,962.75 | | \$ 1,966,348.70 | | \$ 2,295,064.00 | | | |

Additive Alternates

| | | | | | | | | | | | |
|------------------------------------|--------|-------|-----------|-------|-----------|-------|-----------|-------|----------|-------|-----------|
| AA1 MP31-New Water Service Lateral | 250 lf | 50.00 | 12,500.00 | 51.00 | 12,750.00 | 49.00 | 12,250.00 | 28.38 | 7,095.00 | 82.00 | 20,500.00 |
| AA2 MP10 New Sewer Service Lateral | 250 lf | 50.00 | 12,500.00 | 61.00 | 15,250.00 | 55.65 | 13,912.50 | 34.71 | 8,677.50 | 82.00 | 20,500.00 |

CLEARFIELD CITY CORPORATION 975 SOUTH & 1480 WEST PROJECT (#226)

Index



VICINITY MAP



MARCH 2024

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- 9 975 SOUTH-PLAN AND PROFILE STA 23+50 TO 27+00**
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DETAILS

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- CW3 FIRE HYDRANT, GATE VALVE**
- CW4 TRACER WIRE INSTALLATION**
- CW9 THRUST BLOCK, WATERLINE LOOP**
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- SD1 SINGLE HOODED CATCH BASIN**
- SD3 DRAINAGE INLET & GENERAL GRATE & FRAME**
- SD4 STORM DRAIN MANHOLE**

Project Plan Approval



CONSULTING ENGINEERS

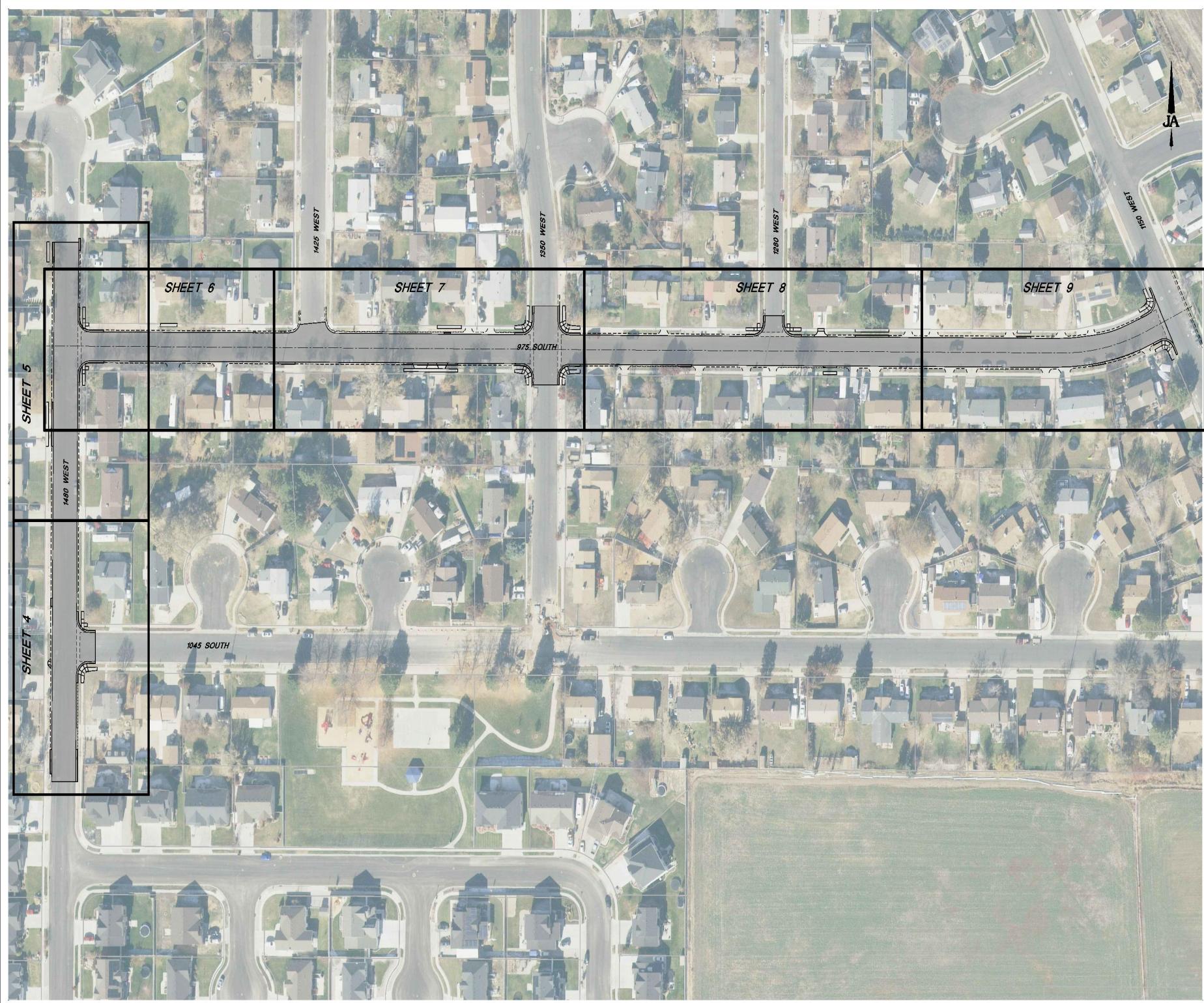
6080 Fashion Point Drive
South Ogden, Utah 84403 (801) 476-9767

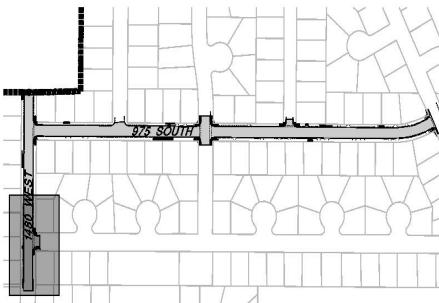
ADAM FAVERO
PUBLIC WORKS DIRECTOR

BRAD WHEELER
ROADWAY SUPERINTENDENT

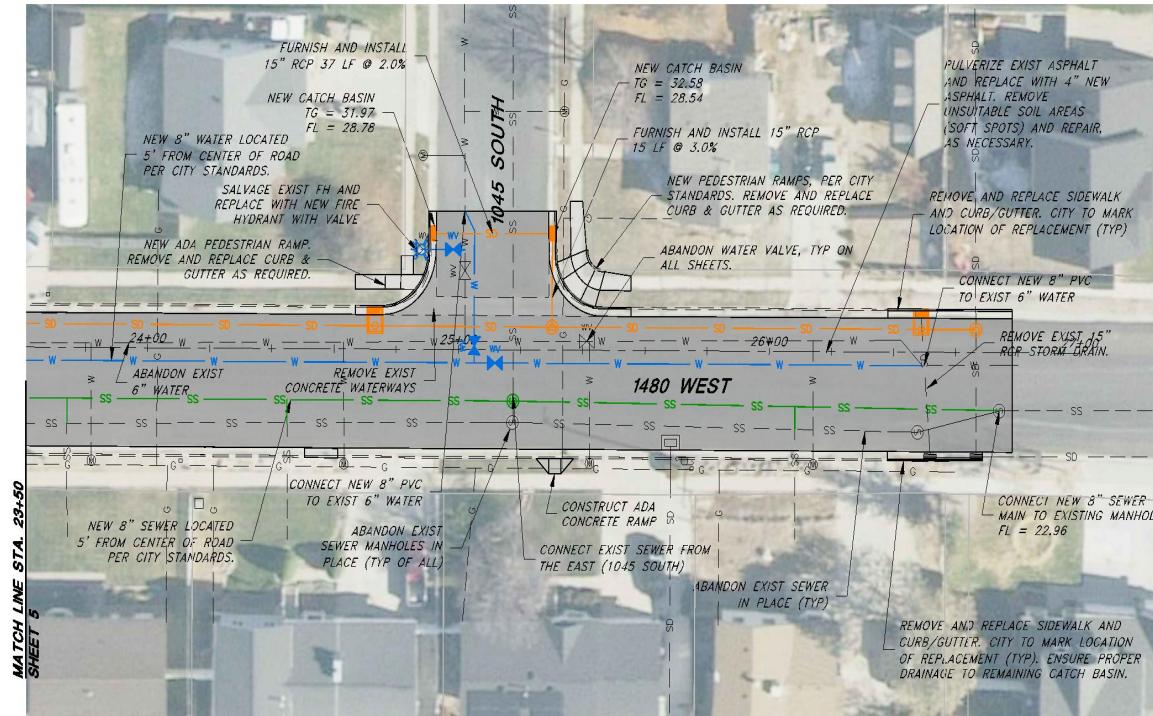
BRADEN FELIX, P.E.
CITY ENGINEER

KENNY ENGLAND
UTILITIES SUPERINTENDENT

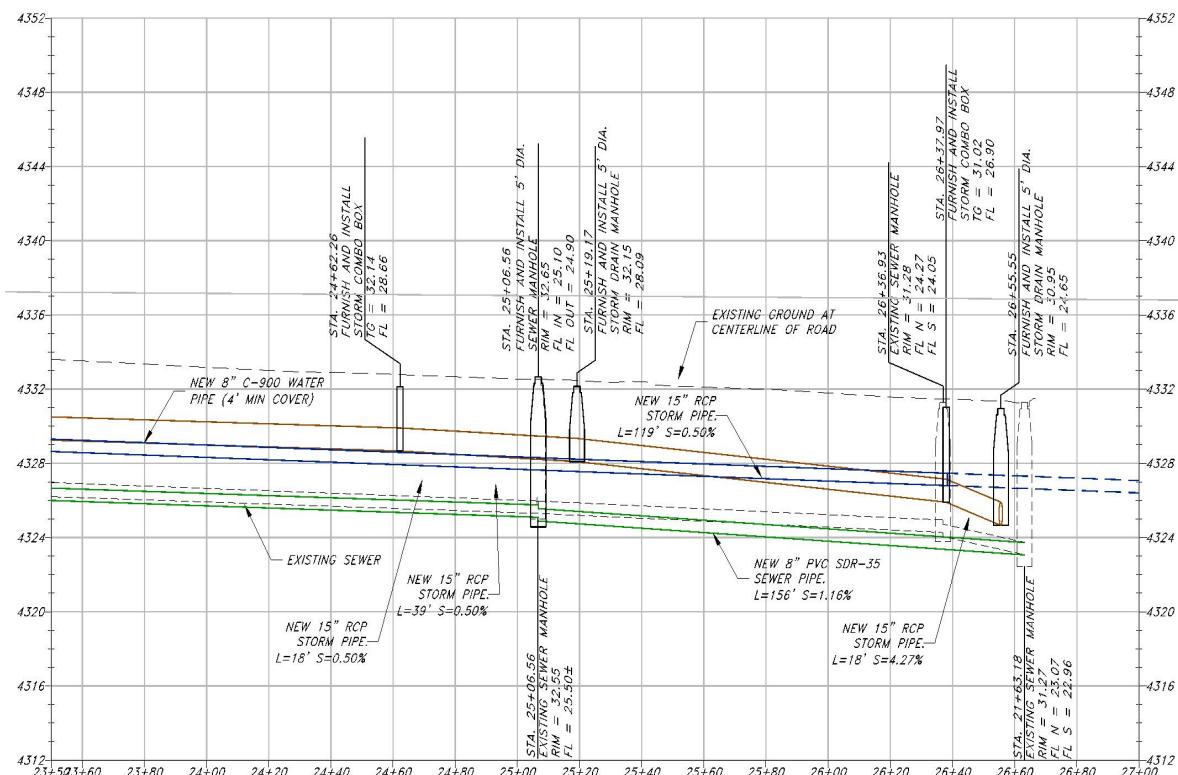




LOCATION MAP



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Scale in Feet

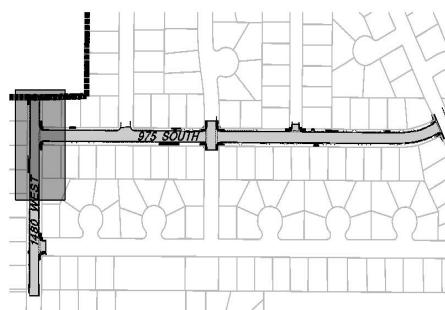


| SCALE: | SKT | SKT | SKT |
|-------------|---------|---------|---------|
| 24' x 36' | DESIRED | DESIRED | DESIRED |
| H:1"=20' | DRAWN | DRAWN | DRAWN |
| V:1"=4" | | | |
| 11.5' L:12' | | | |
| H:1"=40' | | | |
| V:1"=8" | | | |

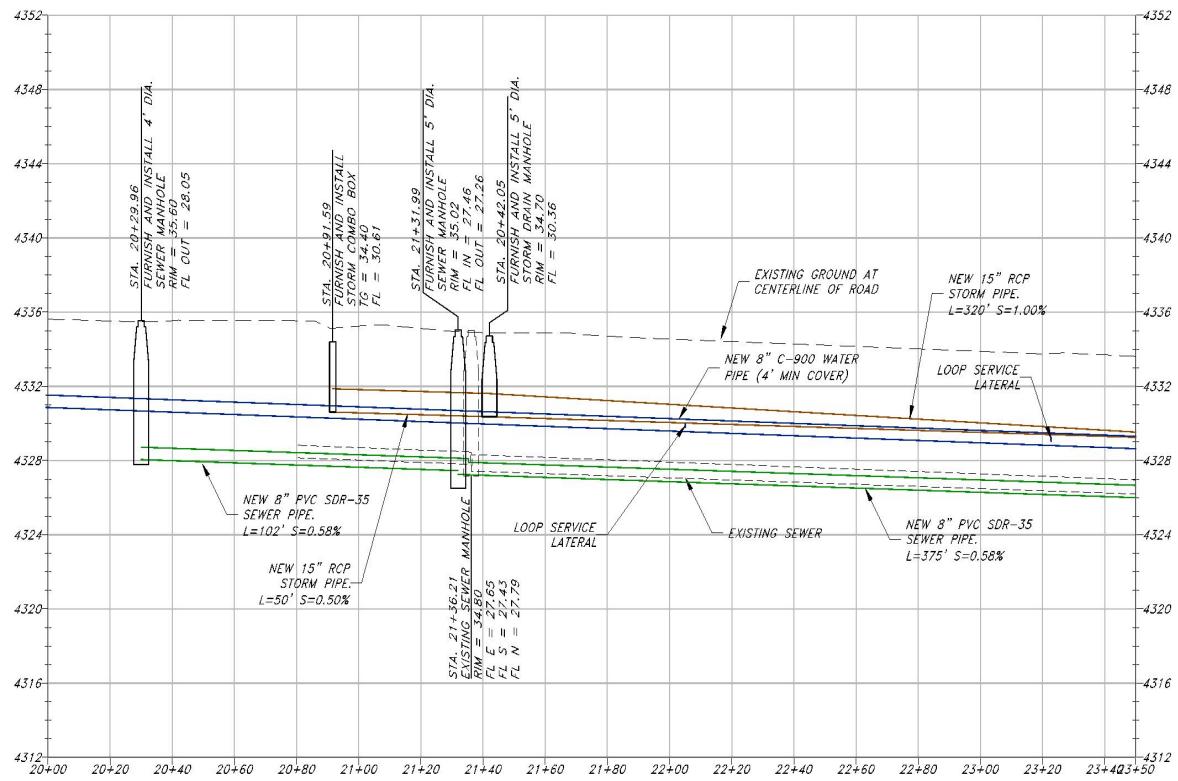
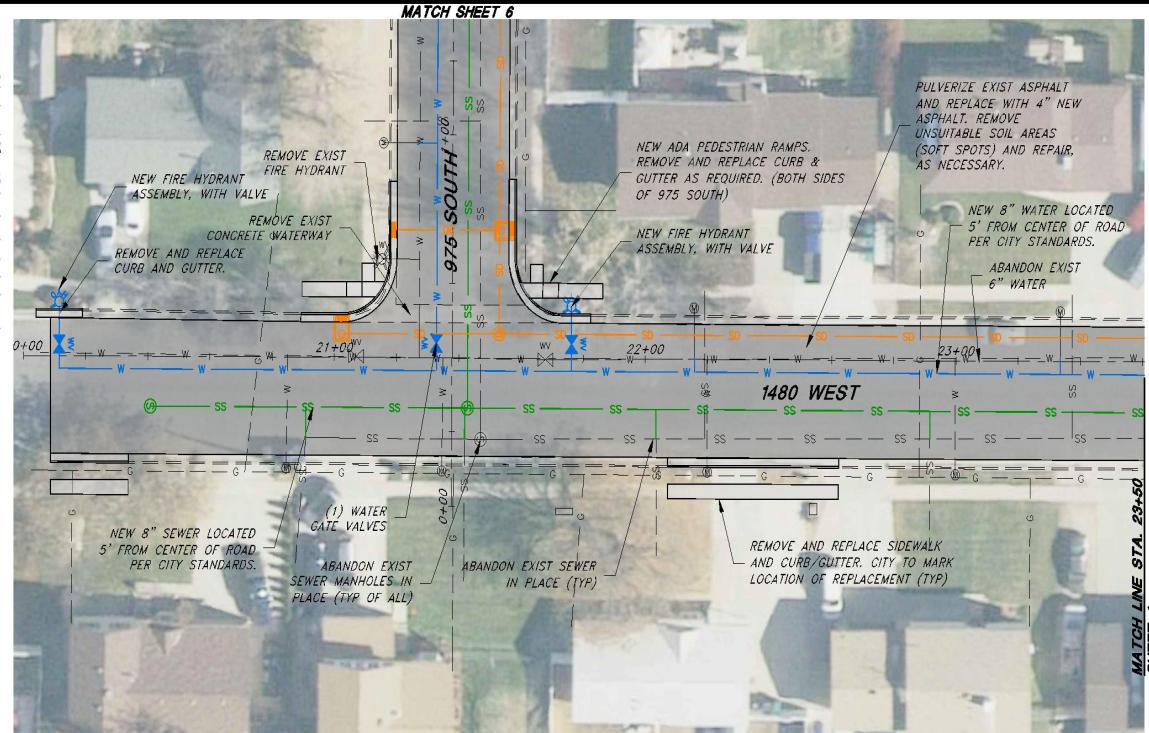
REV. DATE APRIL

4

4 SHEET OF 1 SHEETS



LOCATION MAP



| SCALE: | SKT | SKT | SKT | SKT |
|-------------|----------|-------|-------|------|
| 24' x 36' | DESIGNED | DRAWN | APPR. | REV. |
| H: 7' - 20" | | | | |
| V: 7' - 4" | | | | |
| 11' x 12' | | | | |
| H: 7' - 40" | | | | |
| V: 7' - 8" | | | | |

5 SHEET:
OF 1 SHEETS

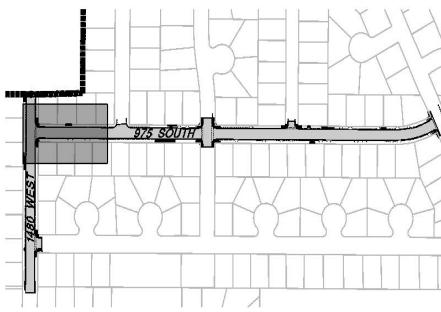
CLEARFIELD CITY CORPORATION

975 SOUTH AND 1480 WEST PROJECT

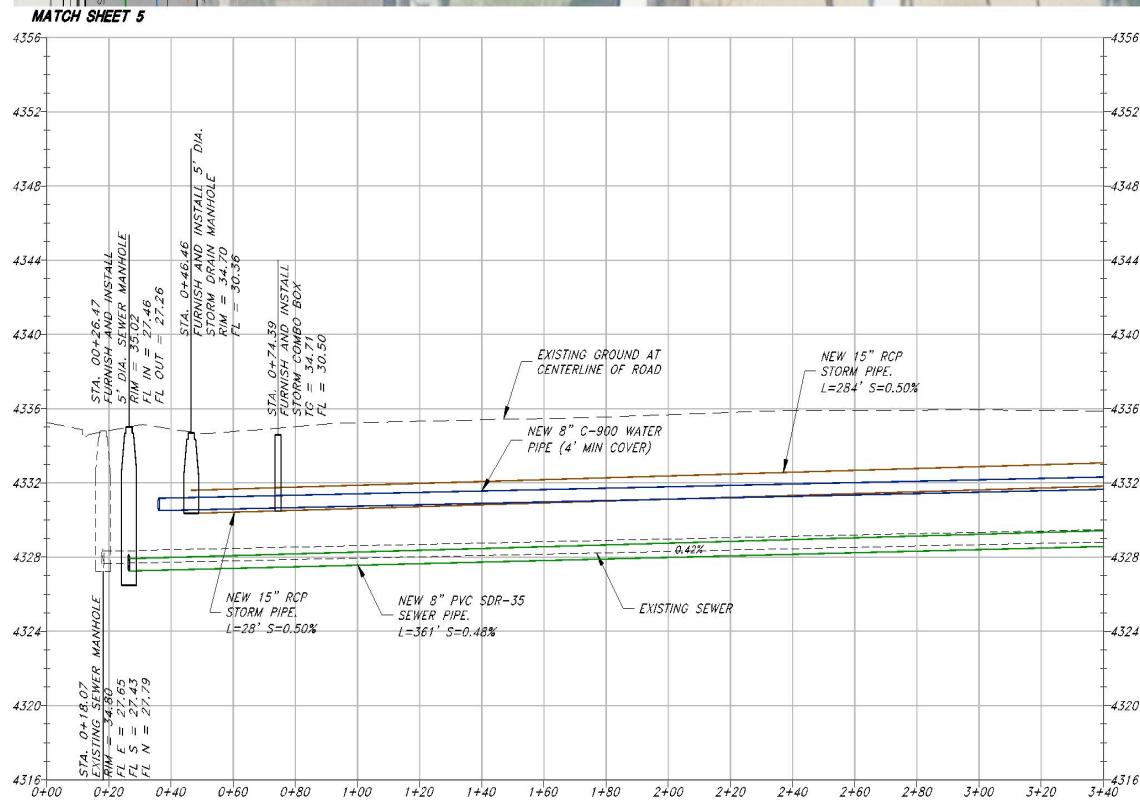
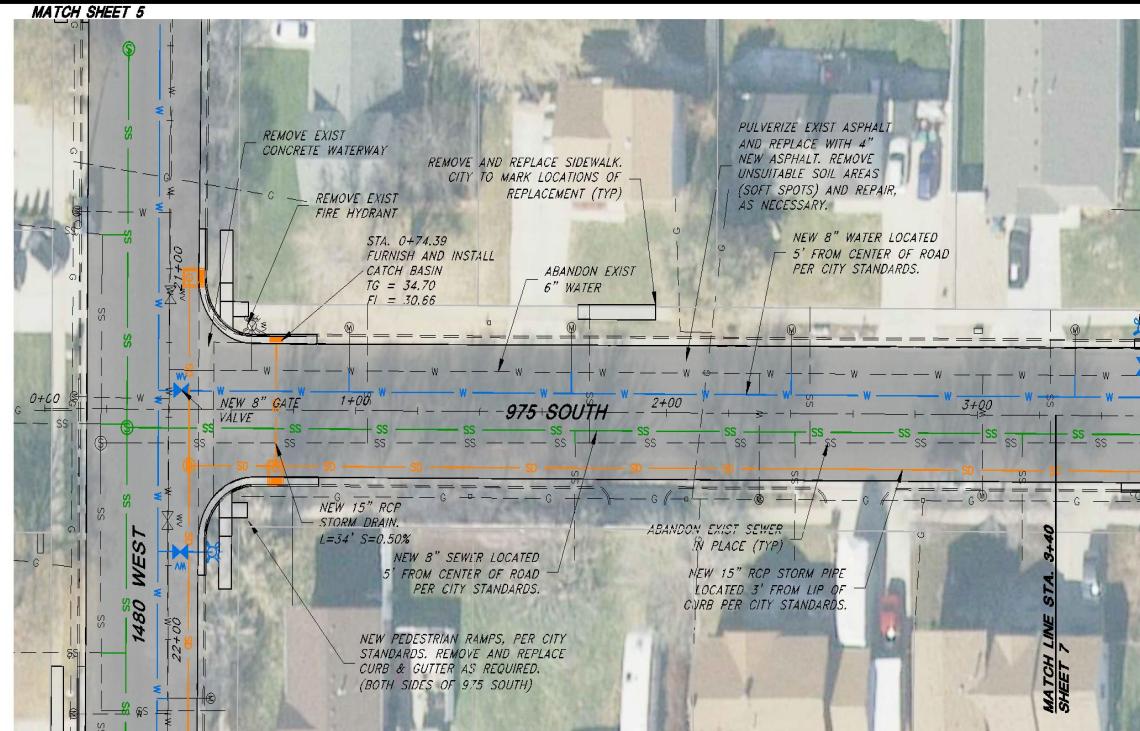
1480 WEST - PLAN AND PROFILE
STA. 20+20 TO 23+50

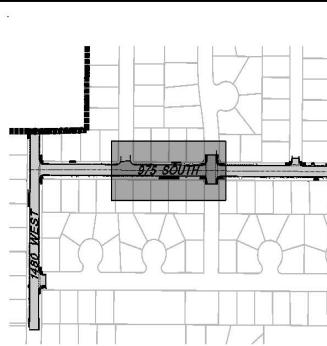
JJA CONSULTING
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ASSOCIATES
6060 Fashion Port Drive
South Ogden, Utah 84403
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476-9767 www.jjaconsulting.com

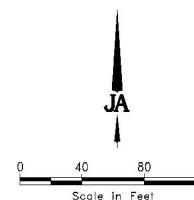


LOCATION MAP





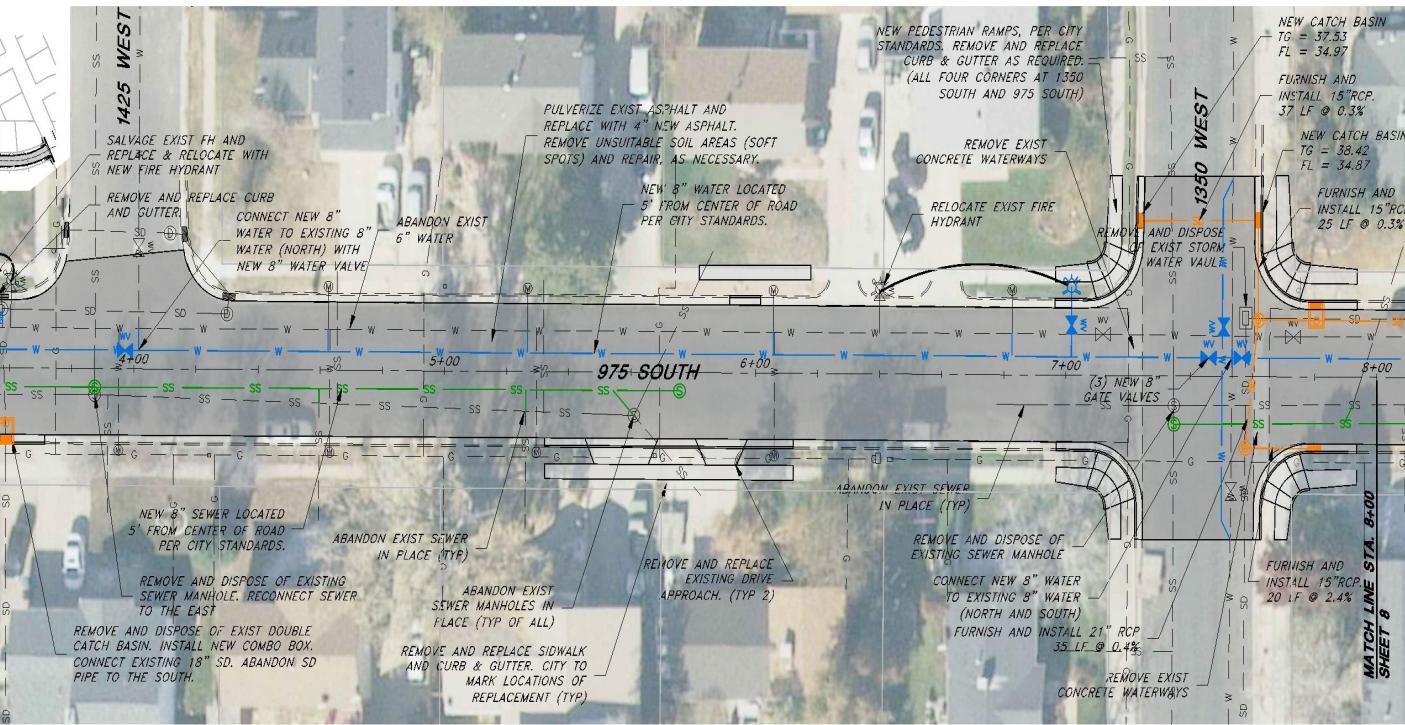
LOCATION MAP



Scale in Feet

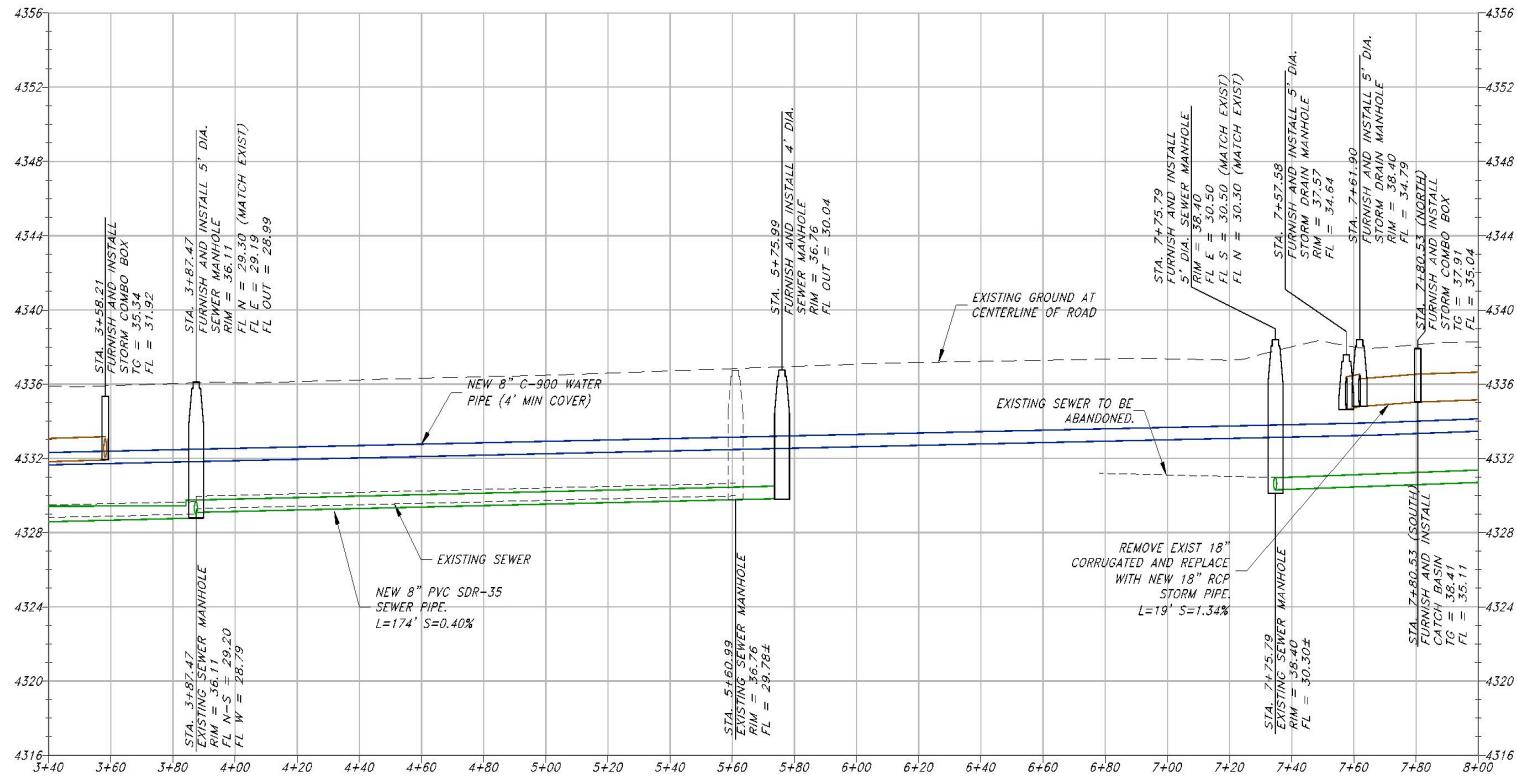
MATCH LINE STA. 3+40

SHEET 6

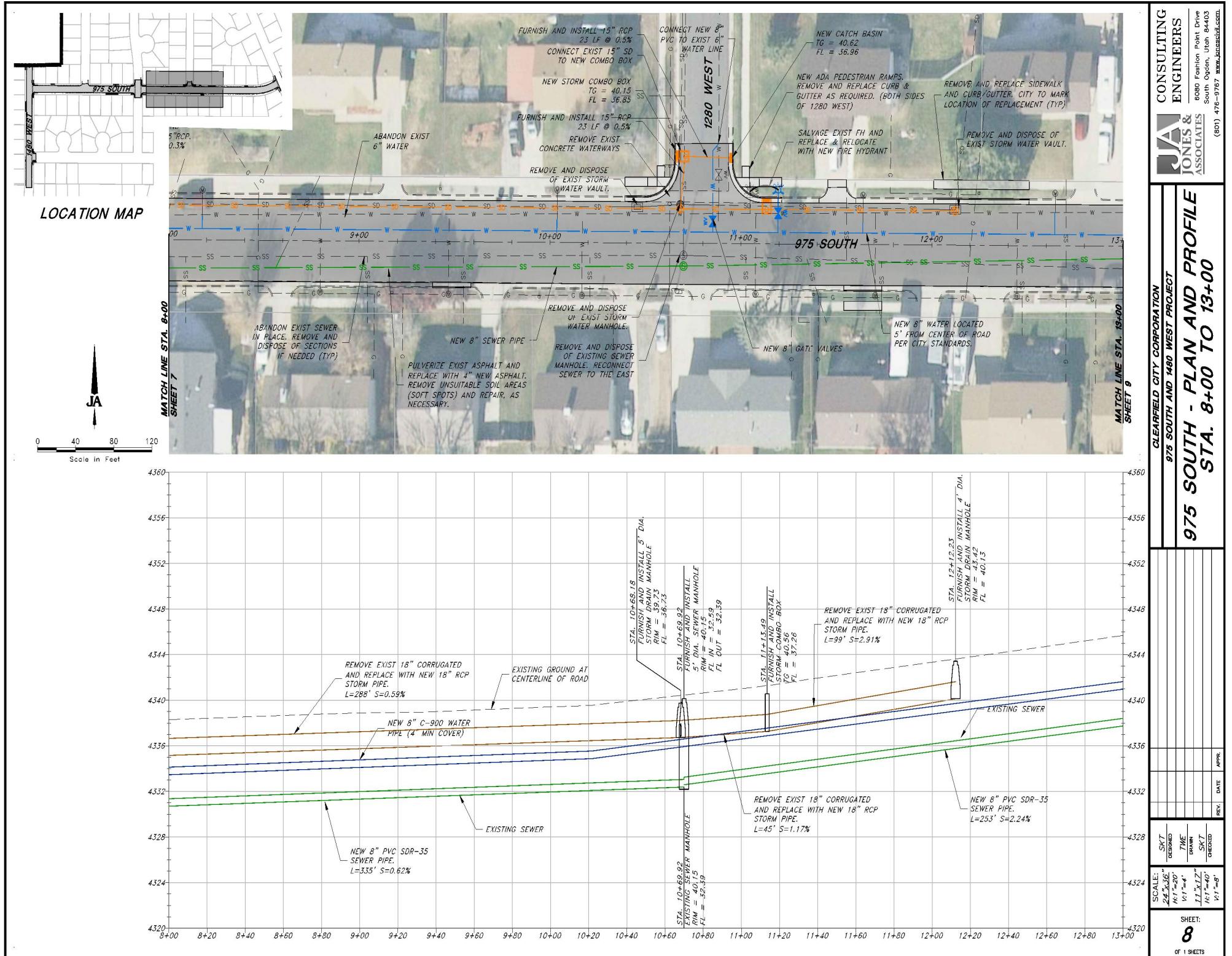


CLEARFIELD CITY CORPORATION
975 SOUTH AND 1425 WEST PROJECT

975 SOUTH - PLAN AND PROFILE
STA. 3+40 TO 8+00

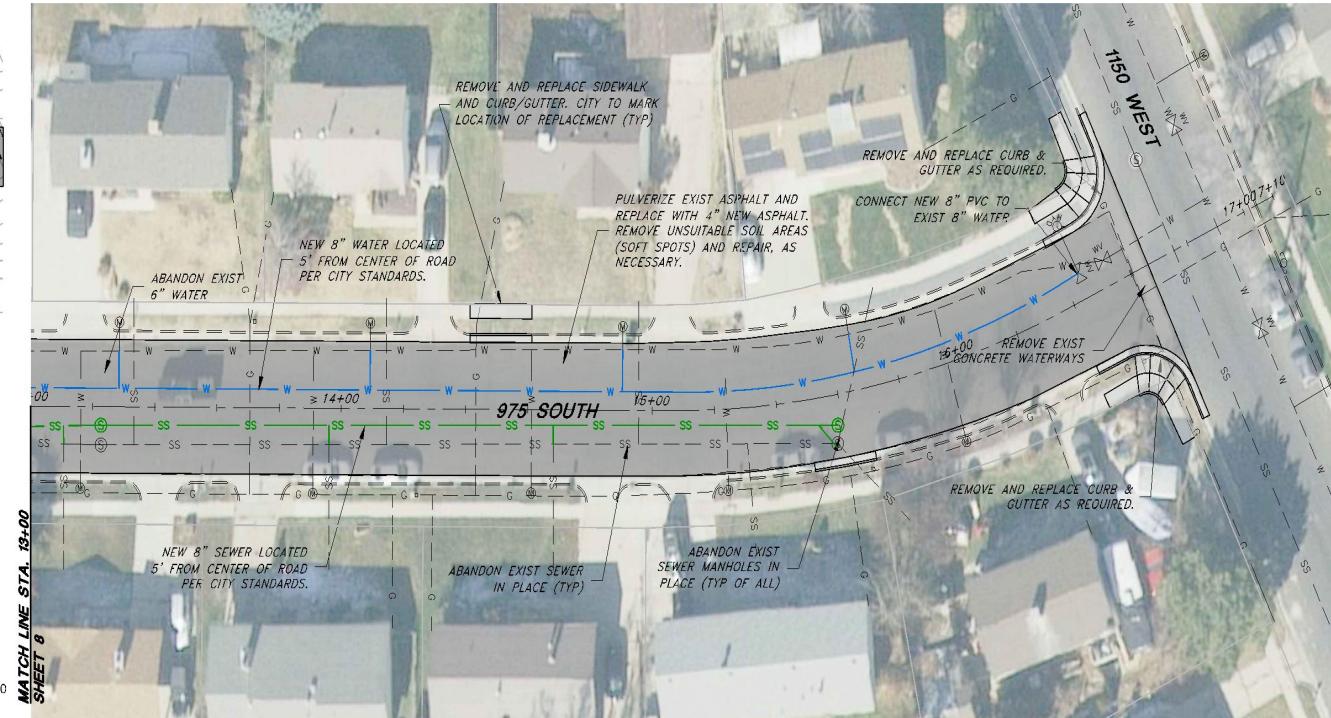
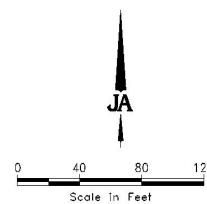


| SCALE: | SKT | SKT | SKT | SKT |
|--------------------|---------|---------|---------|---------|
| 24' x 36' H: 7'-4" | DESIRED | DESIRED | DESIRED | DESIRED |
| V: 7'-4" | DRAWN | DRAWN | DRAWN | DRAWN |
| 11' x 12' H: 7'-4" | | | | |
| V: 7'-8" | CHECKED | REV. | DATE | APPR. |
| | | | | REV. |

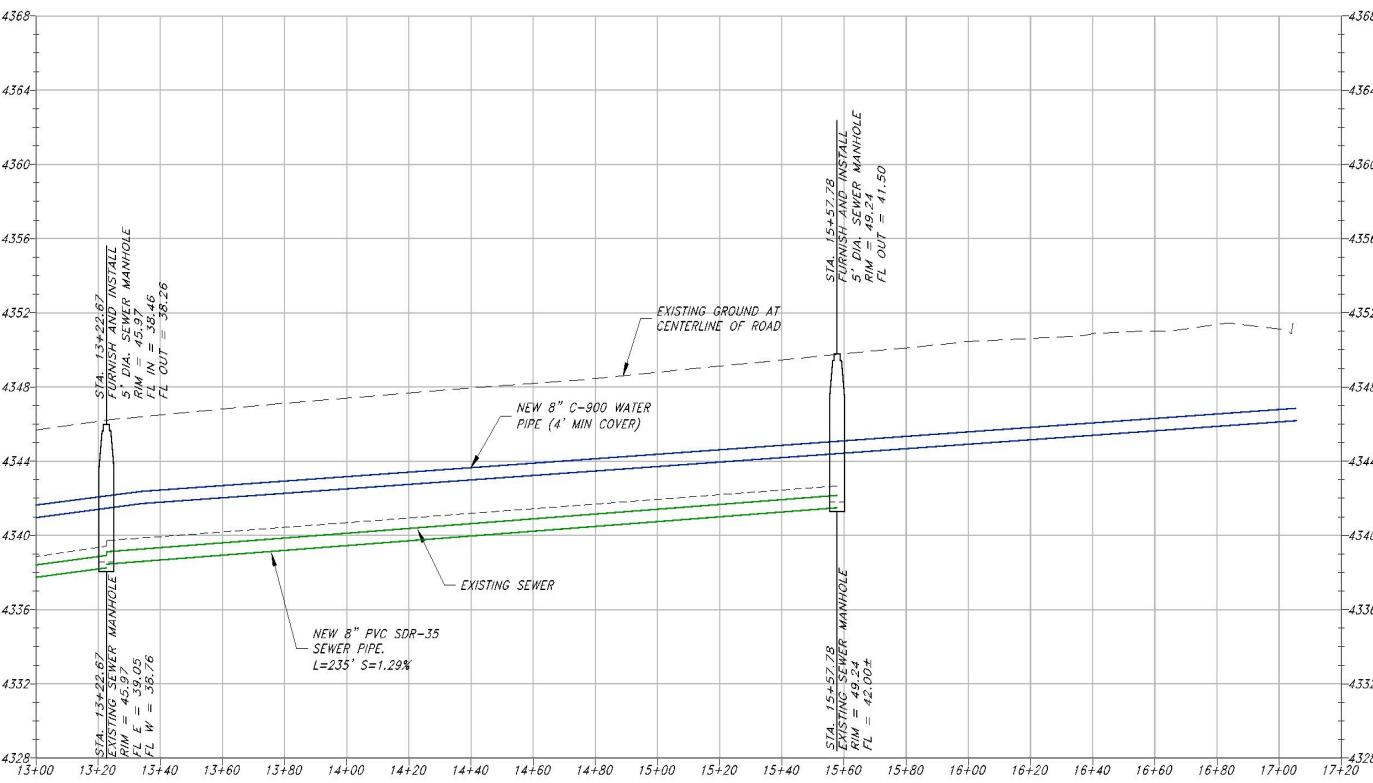




LOCATION MAP



MATCH LINE STA. 13+00
SHEET 8



| | | |
|-----------|--------------|----------|
| SCALE: | 1:24" x 36" | SKT |
| DESIGNED: | 1:24" x 36" | DRAWN: |
| BY: | H: 7' - 20" | SKT |
| TIME: | V: 7' - 20" | CHECKED: |
| DATE: | 11/15/12 | APPR. |
| REV.: | H: 7' - 240" | |
| DATE: | V: 7' - 28" | |

9
SHEET:
OF 1 SHEETS

CLEARFIELD CITY CORPORATION

975 SOUTH AND 1480 WEST PROJECT

975 SOUTH - PLAN AND PROFILE
STA. 13+00 TO 17+20

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STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

GENERAL NOTES AND PROCEDURES FOR CONSTRUCTION SITE ACTIVITIES:

- ① PREVENTATIVE MEASURES SHALL BE TAKEN TO MINIMIZE OR ELIMINATE THE DISCHARGE OF POLLUTED STORM WATER INTO OFFSITE STORM DRAIN FACILITIES. OFFSITE FACILITIES SHALL INCLUDE BUT NOT BE LIMITED TO ROADWAYS, COLLECTION BOXES, CHANNELS, DITCHES, BASINS, LAKES, STREAMS, ETC.
- ② SEDIMENT IN STORM WATER IS THE PRIMARY POLLUTANT OF CONCERN FOR CONSTRUCTION ACTIVITIES. OTHER POLLUTANTS CONCERNING HEAVY METALS, NUTRIENTS, OILS, FUELS, AND ADDITIONAL TOXINS (CONSTRUCTION MATERIALS AND CHEMICALS) ARE OFTEN FOUND IN RUNOFF WATERS FROM CONSTRUCTION SITES.
- ③ PREVENTATIVE MEASURES SHALL BE A PART OF ANY CONSTRUCTION ACTIVITY THAT MAY LEAD TO THE POLLUTION OF OFFSITE STORM WATER. THE FOLLOWING CONSTRUCTION ACTIVITIES SHALL BE ADDRESSED BY THE CONTRACTOR IN ORDER TO MINIMIZE OR ELIMINATE POLLUTED STORM WATER:
 - A. CLEARING AND GRUBBING CAN EXPOSE SOIL TO EROSION BY WIND AND WATER.
 1. PROTECT AREAS EXPOSED TO WIND WITH EROSION CONTROL BLANKETS OR BY USING DUST ABATEMENT METHODS SUCH AS A WATERING TRUCK.
 2. CREATE BERMS OR SWALES TO DIVERT RUNOFF AWAY FROM AREAS EXPOSED TO EROSION BY WATER.
 3. STABILIZE SOILS THAT ARE UNAVOIDABLY EXPOSED TO RUNOFF SUCH AS RAIN BY USING EROSION CONTROL BLANKETS, TERRACING, OR PLANTING NEW VEGETATION.
 4. BERMING AROUND EXPOSED AREAS CAN HELP CONTAIN RUNOFF AND PREVENT IT FROM ENTERING THE STORM DRAIN SYSTEM.
 - B. EXCAVATION AND GRADING CAN ALSO EXPOSE SOIL TO EROSION BY WIND AND WATER.
 1. PROTECT AREAS EXPOSED TO WIND AND WATER WITH THE METHODS MENTIONED ABOVE.
 2. DUST CAN BE KNOCKED DOWN DURING EXCAVATION BY APPLYING WATER USING A HOSE AND NOZZLE.
 - C. HAUL OR TRANSPORT OF MATERIALS OR WASTE TO OFFSITE DISPOSAL AREAS CAN RESULT IN TRACKING MUD ONTO ADJACENT CITY STREETS.
 1. CONSTRUCT A STABILIZED CONSTRUCTION ENTRANCE TO MINIMIZE TRACKING DEBRIS ONTO CITY STREETS.
 2. STREETS ARE TO BE SWEEPED WHERE TRACKING OCCURS.
 - D. REFUELING EQUIPMENT AND BASIC EQUIPMENT MAINTENANCE ON SITE CAN ACCIDENTALLY POLLUTE OFFSITE STORM DRAIN FACILITIES IF SPILLS OCCUR.
 1. MAINTAIN EQUIPMENT IN GOOD OPERATING CONDITION. FIX LEAKS OF FUEL, OIL, AND OTHER SUBSTANCES IMMEDIATELY.
 2. WHERE ON SITE FUELING IS PERMITTED, DESIGNATE AN AREA WHERE SPILLS CAN BE CONTAINED. ALWAYS USE SECONDARY CONTAINMENT SUCH AS A DRAIN PAN OR DROP CLOTH TO CATCH SPILLS AND PREVENT SPREADING. THE AREA SHALL NOT BE LOCATED NEAR STREAMS, RIVERS, RESERVOIRS, WELLS, OR ADJACENT TO THE STORM WATER COLLECTION SYSTEM.
 3. KEEP CLEANUP MATERIALS ON HAND TO ABSORB SPILLS. EDUCATE PERSONNEL ON PREVENTION AND CLEAN-UP TECHNIQUES. CLEAN UP SPILLS IMMEDIATELY AND REMEDY CAUSE.
 4. EXCAVATE AND DISPOSE OF CONTAMINATED SOILS AS HAZARDOUS WASTE. CONTACT STATE AND LOCAL OFFICIALS FOR ANY SPILL OF REPORTABLE QUANTITY.
 - E. ON SITE EQUIPMENT OR VEHICLE WASH DOWN IS ONLY TO BE USED TO REMOVE SEDIMENT BUILD UP ON MACHINERY.
 - F. FORMING, PLACING AND POURING CONCRETE CAN BE A SOURCE OF POLLUTION TO THE STORM DRAIN SYSTEM.
 1. OILS AND RELEASE AGENTS FOR CONCRETE FORMS SHOULD ONLY BE USED AS RECOMMENDED BY THE MANUFACTURER. DO NOT PERMIT THESE TO ENTER THE STORM DRAIN SYSTEM, ESPECIALLY STREAMS, LAKES AND RESERVOIRS.
 2. USE A DESIGNATED AREA FOR CONCRETE WASHOUT WHERE OFFSITE WASHOUT IS NOT POSSIBLE. THIS AREA MUST PROVIDE CONTAINMENT OF WASHOUT MATERIALS AND PREVENT THEM FROM ENTERING INTO THE STORM DRAIN SYSTEM, ESPECIALLY STREAMS, LAKES AND RESERVOIRS.
 3. TRAIN PERSONNEL ABOUT PROPER CONCRETE WASTE MANAGEMENT PROCEDURES.

- G. PAINTS, SOLVENTS AND CLEANERS CAN BE A SOURCE OF POLLUTION.
 1. TRAIN PERSONNEL ON THE PROPER STORAGE AND HANDLING OF THESE MATERIALS. EDUCATE THEM ON PREVENTION AND CLEAN-UP TECHNIQUES. KEEP CONTAINERS CLOSED AND OUT OF THE WAY WHEN NOT IN USE.
 2. ALWAYS USE SECONDARY CONTAINMENT SUCH AS A DROP CLOTH TO CATCH SPILLS AND PREVENT SPREADING.

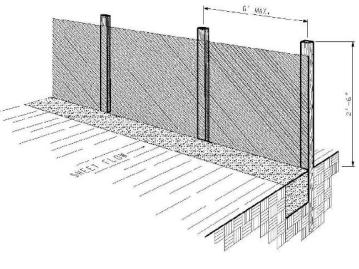
3. THE LOCATION FOR CLEANING STATIONS SHALL NOT BE NEAR STREAMS, RIVERS, RESERVOIRS, WELLS, OR ADJACENT TO THE STORM WATER COLLECTION SYSTEM. THIS AREA MUST PROVIDE CONTAINMENT OF WASHOUT MATERIALS AND PREVENT THEM FROM ENTERING INTO THE STORM DRAIN SYSTEM. FOLLOW THE MANUFACTURER'S RECOMMENDATIONS WHEN USING ANY PRODUCT.
4. KEEP CLEANUP MATERIALS ON HAND TO ABSORB SPILLS. CLEAN UP SPILLS IMMEDIATELY AND REMEDY CAUSE.
5. EXCAVATE AND DISPOSE OF CONTAMINATED SOILS AS HAZARDOUS WASTE. CONTACT STATE AND LOCAL OFFICIALS FOR ANY SPILL OF REPORTABLE QUANTITY.

- H. EXCESSIVE USE OF LANDSCAPING FERTILIZERS, NUTRIENTS, CHEMICALS AND PESTICIDES CAN LEAD TO UNNECESSARY POLLUTION.

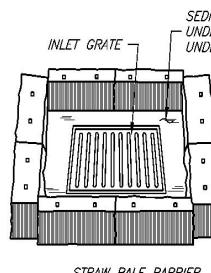
1. ONLY USE THE REQUIRED OR MINIMUM AMOUNTS OF THESE MATERIALS. ALWAYS FOLLOW MANUFACTURER'S RECOMMENDATIONS.
2. MINIMIZE IRRIGATION RUNOFF BY NOT OVER WATERING FERTILIZED OR TREATED LANDSCAPE AREAS.
3. CONSTRUCTION DEBRIS AND OTHER WASTE MATERIALS CAN ENTER THE STORM DRAIN SYSTEM WHEN NOT DISPOSED OF PROPERLY.
4. PROVIDE ADEQUATE AND CONVENIENT TRASH RECEIPTACLES AROUND THE CONSTRUCTION SITE.
5. KEEP TRASH CONTAINERS COVERED.
6. EMPTY CONTAINERS IN A TIMELY MANNER TO PREVENT SPILLING OVER.

- I. ON-SITE STORM DRAIN INLETS CAN PERMIT SEDIMENTS TO ENTER OFFSITE STORM DRAIN FACILITIES.
 1. INLETS SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION TO PREVENT BACKFILL MATERIAL FROM ENTERING PIPES AND BOXES.
 2. WHERE ON-SITE COLLECTION BOXES ARE LIKELY TO COLLECT WATER CONTAINING SEDIMENTS, A FILTERING SYSTEM SHALL BE CONSTRUCTED OVER OR AROUND THE INLET GRATE TO TRAP SEDIMENTS AND ALLOW THEM TO SETTLE OUT BEFORE THE WATER ENTERS THE STORM DRAIN SYSTEM.

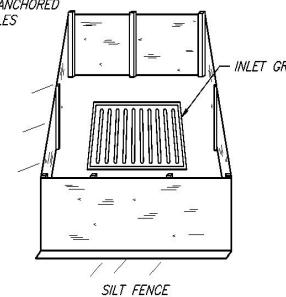
- ④ ALL PREVENTATIVE MEASURES DESIGNED TO ELIMINATE OR MINIMIZE POLLUTION ENTERING THE STORM DRAIN SYSTEM SHALL BE MAINTAINED AND INSPECTED REGULARLY BY THE CONTRACTOR. INSPECTION SHOULD ALSO BE PLANNED BEFORE AND AFTER STORM EVENTS TO VERIFY THAT THESE MEASURES ARE WORKING PROPERLY. REPORT OF INSPECTIONS SHOULD BE MAINTAINED AT THE JOB SITE.
- A. WHEN PREVENTATIVE MEASURES ARE FOUND TO BE INADEQUATE THEY ARE TO BE BROUGHT TO THE ATTENTION OF THE CITY. ALTERATIONS TO THE STORM WATER POLLUTION PREVENTION PLAN MAY BE REQUIRED.
- B. WHEN A POSSIBLE POLLUTION SOURCE HAS BEEN OVERLOOKED, IT SHALL BE BROUGHT TO THE ATTENTION OF THE CITY. ADDITIONAL PREVENTATIVE MEASURES MAY BE INCORPORATED INTO THE STORM WATER POLLUTION PREVENTION PLAN.
- C. THE CITY SHALL ALSO CONDUCT PERIODIC INSPECTIONS TO VERIFY THAT THE SITE COMPLIES TO ALL APPLICABLE STANDARDS AND TO CONFIRM THAT THE STORM WATER POLLUTION PREVENTION PLAN IS BEING IMPLEMENTED.
- D. ALL REPORTABLE RELEASES OF ANY POLLUTANT SHALL BE DOCUMENTED BY THE CONTRACTOR AND PROMPTLY BROUGHT TO THE ATTENTION OF THE CITY. REPORTABLE RELEASES ARE DEFINED BY TITLE 40 OF THE CODE OF FEDERAL REGULATIONS (CFR), PART 117, SECTION 3 OR TITLE 40, PART 302, SECTION 4.
- E. IF THERE IS A VIOLATION OF THE STORM WATER POLLUTION PREVENTION PLAN, IT SHALL BE REMEDIED IMMEDIATELY AND BROUGHT TO THE ATTENTION OF THE CITY. ALL VIOLATIONS SHALL BE DOCUMENTED PROPERLY.
- F. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO TRAIN AND FAMILIARIZE ALL PERSONNEL ON THE CONSTRUCTION SITE WITH RESPECT TO THE STORM WATER POLLUTION PREVENTION PLAN. BY LAW THE CONTRACTOR SHALL KEEP A COPY OF THE PLAN ON SITE AND MAKE IT AVAILABLE UPON REQUEST TO A REPRESENTATIVE OF THE REGIONAL WATER BOARD OR OTHER RELATED AGENCIES.
- G. ALL DISCHARGES INTO THE STORM WATER SYSTEM MUST COMPLY WITH THE REGULATIONS ESTABLISHED BY CITY, COUNTY, STATE, FEDERAL AND OTHER RELATED AGENCIES.
- H. HAZARDOUS OR TOXIC WASTE SHALL BE DISPOSED OF PROPERLY. REGULATIONS RELATED TO THE PROPER HANDLING AND DISPOSAL OF HAZARDOUS OR TOXIC WASTE ARE NOT COVERED IN THIS PLAN.



PERSPECTIVE VIEW



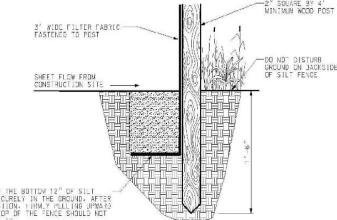
STRAW BAILE BARRIER



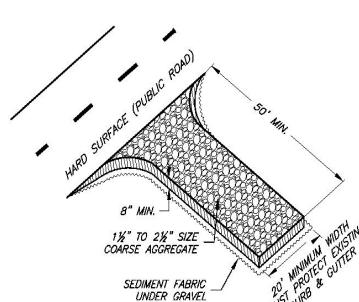
SILT FENCE

SEE INDIVIDUAL BMP INFORMATION SHEETS FOR INSTRUCTIONS FOR CONSTRUCTION OF STRAW BAILE BARRIER & SILT FENCE

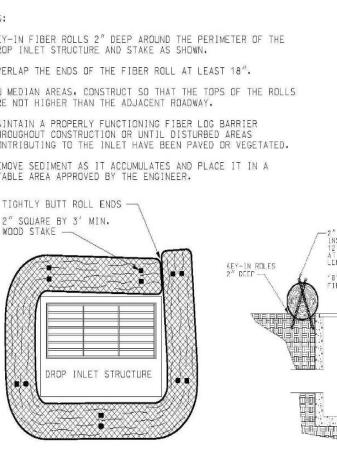
INLET PROTECTION (IP)
NOT TO SCALE



SILT FENCE
NOT TO SCALE



VEHICLE TRACKING CONTROL PAD
NOT TO SCALE

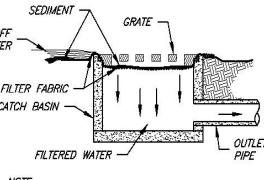


PLAN
SECTION
FIBER ROLL INLET PROTECTION
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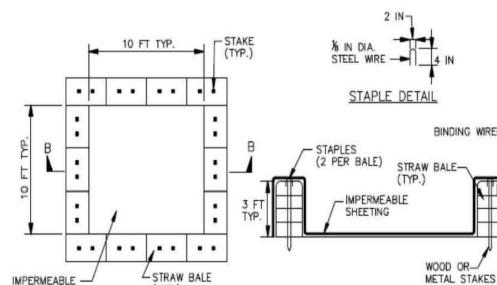
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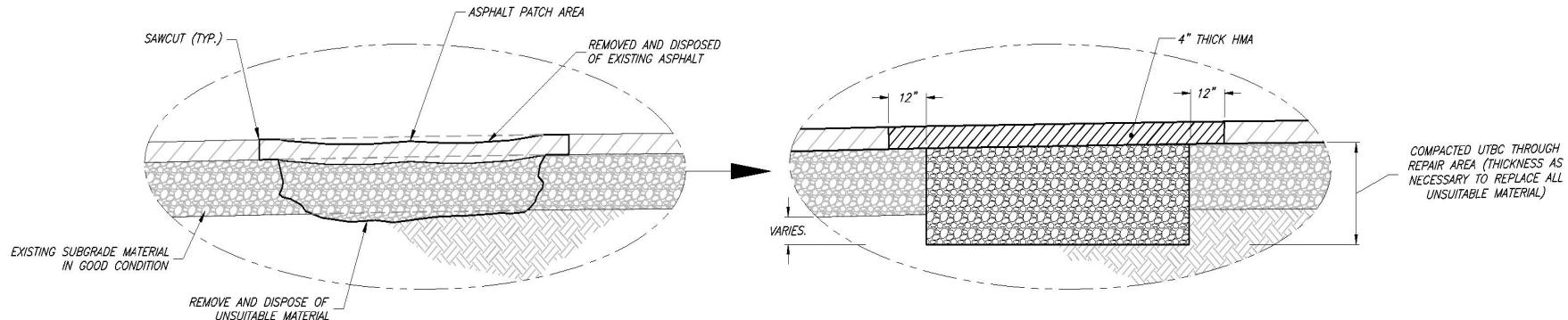
INLET SEDIMENT FILTER
NOT TO SCALE



CONCRETE WASHOUT AREA
NOT TO SCALE

NOTE: CAN BE TWO STACKED BALES OR PARTIALLY EXCAVATED TO REACH 3 FT DEPTH

| SCALE: | SKT | DESIRED | TIME | SKT | REV. |
|-----------|-----|---------|------|-----|------|
| 24' x 36' | | | | | |
| 24' x 20' | | | | | |
| H: 1'-0" | | | | | |
| V: 1'-0" | | | | | |
| 11' x 12' | | | | | |
| H: 1'-2" | | | | | |
| V: 1'-2" | | | | | |
| 10' | | | | | |
| 1 SHEET | | | | | |



ASPHALT REPAIR DETAILS

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ASPHALT REPAIR DETAILS

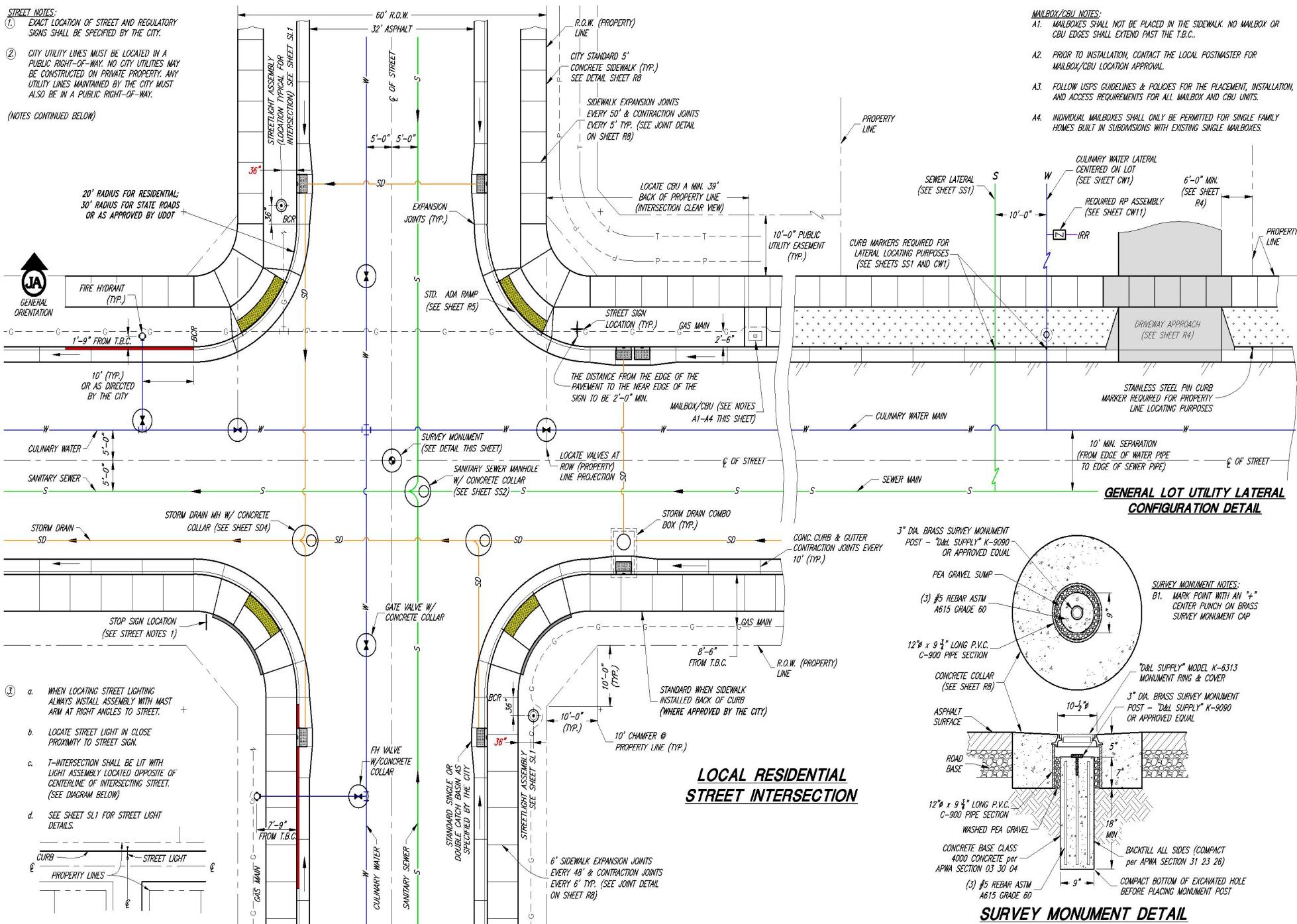
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|----------------------------|-----|-----|----------|------|-----|-----|------|
| SCALE: | SKT | SKT | DESIGNED | TIME | SKT | SKT | REV. |
| | | | | | | | |
| $22\frac{1}{2} \times 32'$ | | | | | | | |
| $H: 7'-20"$ | | | | | | | |
| $V: 7'-4"$ | | | | | | | |
| $11\frac{1}{2} \times 12'$ | | | | | | | |
| $H: 7'-40"$ | | | | | | | |
| $V: 7'-8"$ | | | | | | | |
| | | | | | | | |
| | | | | | | | |

SHEET:
11
OF 1 SHEETS

STREET NOTES:

- EXACT LOCATION OF STREET AND REGULATORY SIGNS SHALL BE SPECIFIED BY THE CITY.
- CITY UTILITY LINES MUST BE LOCATED IN A PUBLIC RIGHT-OF-WAY. NO CITY UTILITIES MAY BE CONSTRUCTED ON PRIVATE PROPERTY. ANY UTILITY LINES MAINTAINED BY THE CITY MUST ALSO BE IN A PUBLIC RIGHT-OF-WAY.

(NOTES CONTINUED BELOW)



| | |
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| CITY ENGINEER | |
| 1/XX/2024 | |

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| REV. | DATE | APPR. |
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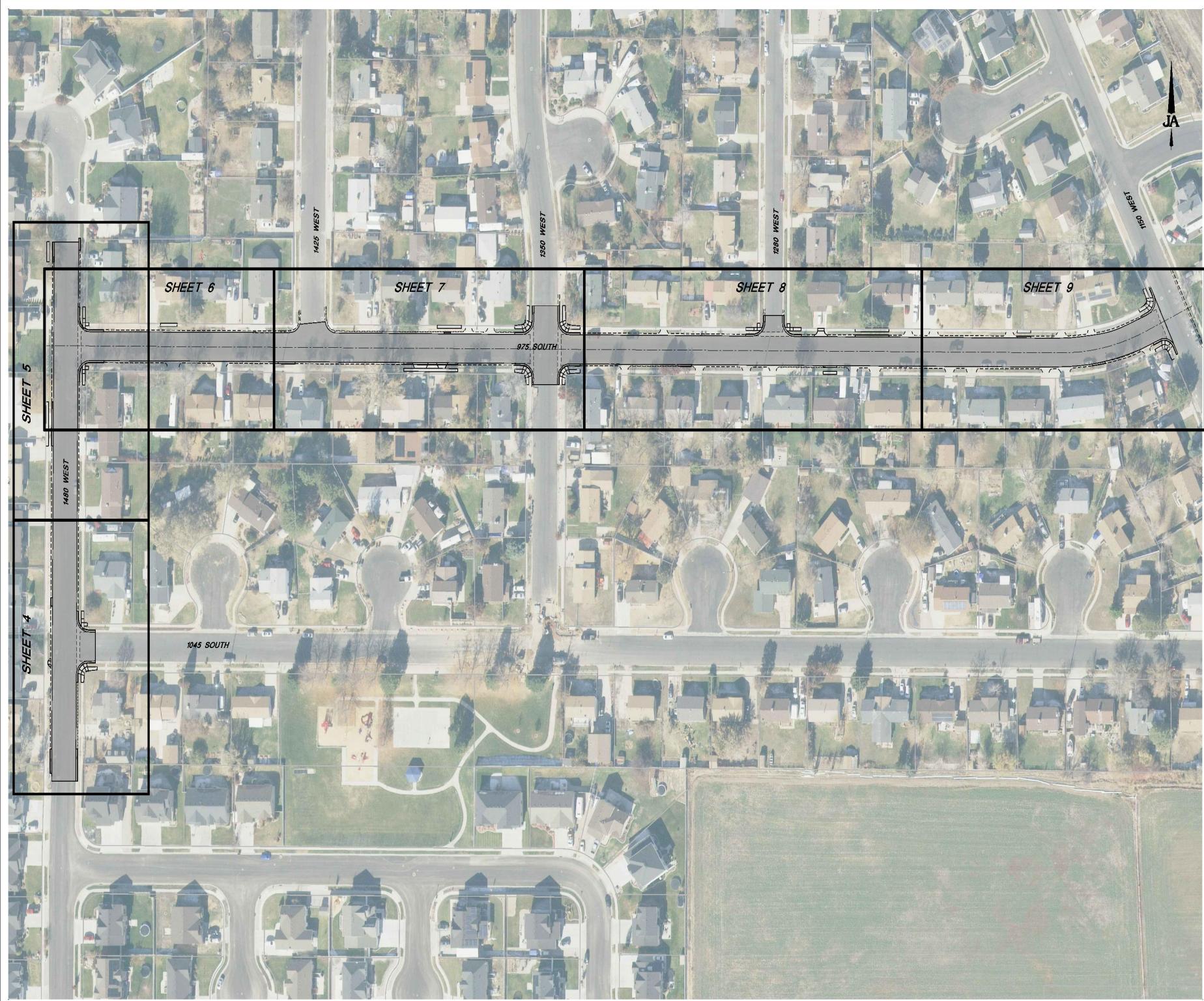


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CLEARFIELD CITY CORPORATION
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TYPICAL STREET INTERSECTION, UTILITY LATERAL CONFIGURATION, AND
STREET MONUMENT DETAILS

Sheet: R2
of x sheets
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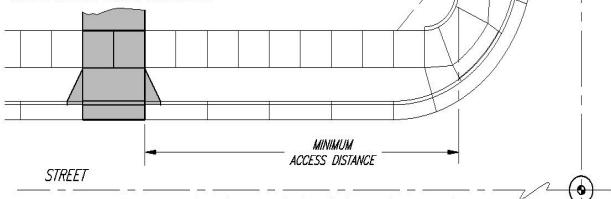
CLEARFIELD CITY CORPORATION
975 SOUTH AND 1480 WEST PROJECT
OVERALL PROJECT
AND SHEET LAYOUT

| SCALE: | SKT DESIGNED | SKT DRAWN | TIME | REV. | DATE | APPR. |
|-----------------------|-----------------|--------------|------|------|------|-------|
| 24' x 32' H: 8' 6" | | | | | | |

3
SHEET:
OF 1 SHEETS

| HIGHEST CAPACITY STREET DESIGNATION* | MINIMUM ACCESS DISTANCE (FEET) | |
|--|--------------------------------|----------------------------|
| | COMMERCIAL DRIVE APPROACH | RESIDENTIAL DRIVE APPROACH |
| RESIDENTIAL | NOT PERMITTED | 30'-0" |
| MINOR COLLECTOR (80'-0" SIGNALIZED INTERSECTION) | 50'-0" | NOT PERMITTED |
| MAJOR COLLECTOR | 150'-0" | NOT PERMITTED |
| ARTERIAL (STATE ROADS/UDOT) | PER UDOT ACCESS PERMIT | |

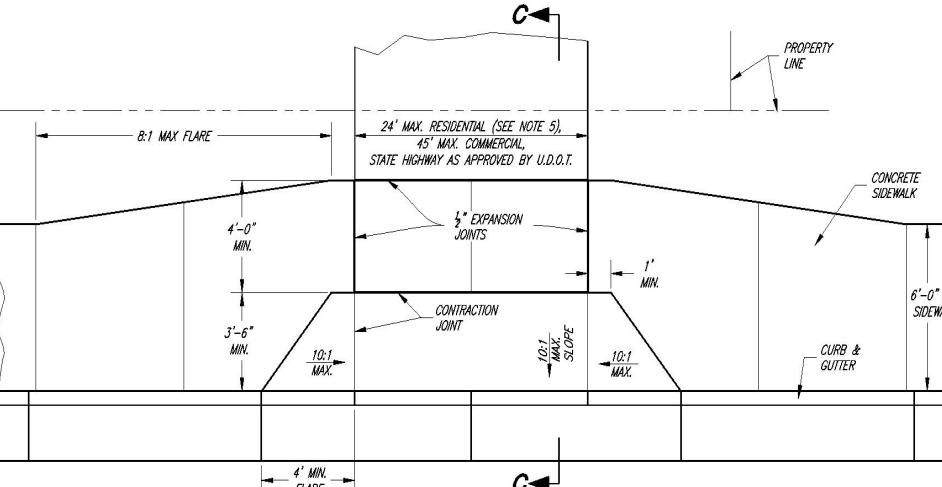
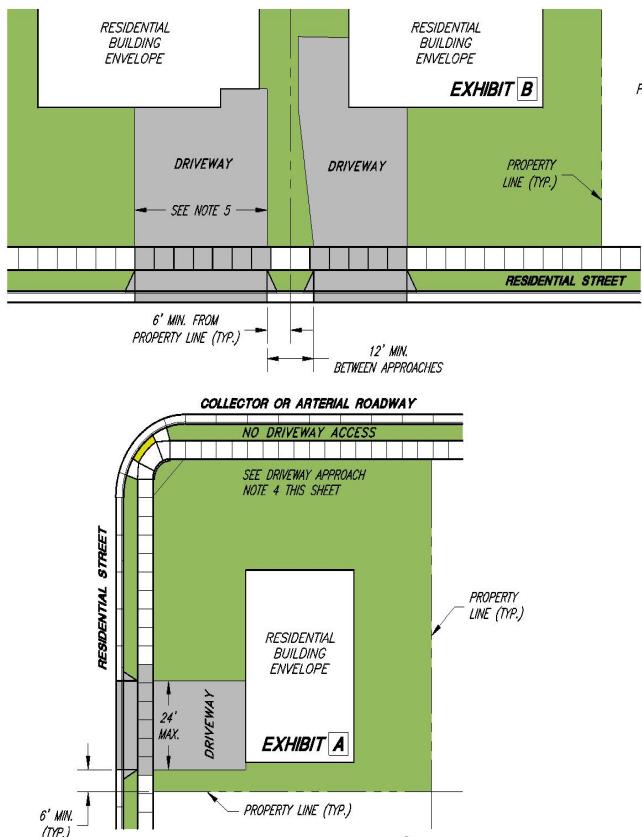
* AS PER CURRENT STREETS MASTER PLAN



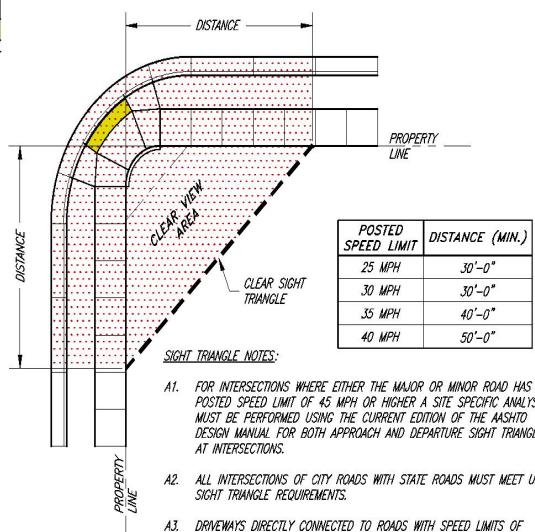
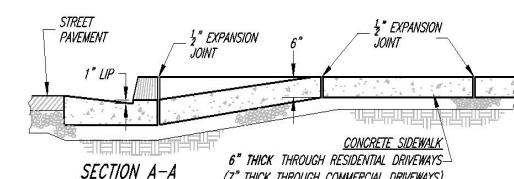
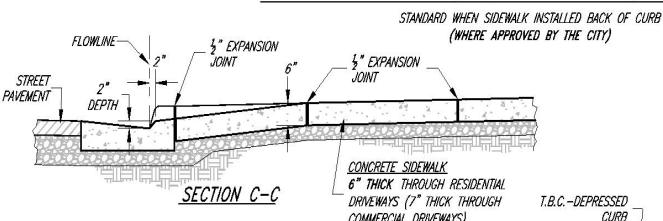
DRIVE APPROACH ACCESS DISTANCE

(A) THE MINIMUM ACCESS DISTANCE (DRIVE APPROACH TO THE NEAREST CONNECTING STREET PROPERTY LINE) SHALL BE AS DESCRIBED IN THE DETAIL AND TABLE ABOVE.

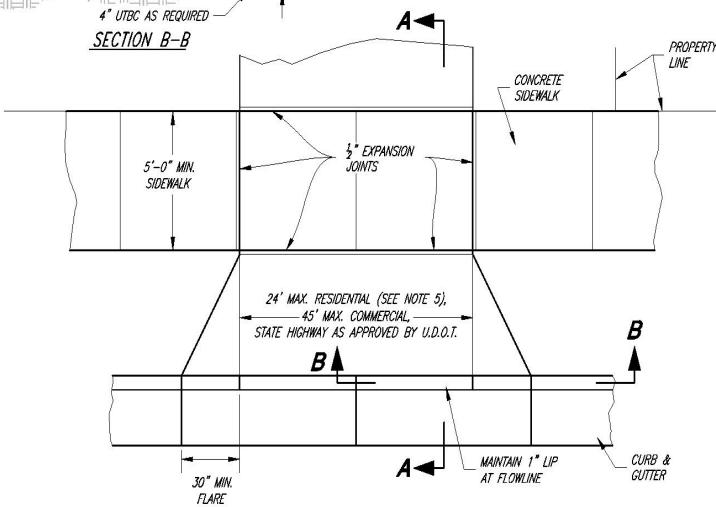
(B) THE ABOVE DISTANCES SHALL BE CONSIDERED AS CITY MINIMUMS. DESIGNER AND/OR DEVELOPER MAY SUBMIT AN ALTERNATE DESIGN BASED ON A DETAILED TRAFFIC STUDY FOR APPROVAL BY THE CITY.



DRIVEWAY APPROACH W/ ADJACENT SIDEWALK



INTERSECTION SIGHT TRIANGLES



DRIVEWAY APPROACH W/ PARK STRIP

DROP DOWN STYLE (CITY STANDARD)

DRIVeway APPROACH NOTES:

- IN NEW DEVELOPMENTS WHERE FUTURE DRIVeway LOCATIONS ARE UNKNOWN, THE DRIVeway APPROACH SHALL BE MADE BY SAW CUTTING THE BACK OF THE EXISTING CURB TO THE REQUIRED DRIVeway WIDTH. ALL SAW CUTTING SHALL BE ACCOMPLISHED BY A CITY APPROVED LICENSED CONTRACTOR.
- SCORE SIDEWALK 1/4 OF SIDEWALK THICKNESS AT EACH 5'-0" OR 6'-0" SECTION. EXPANSION JOINTS AT EACH 50'-0" (5'-0" SIDEWALK) OR 48'-0" (6'-0" SIDEWALK).
- APPROACHES SHALL NOT BE ALLOWED ON CORNER LOTS WITHIN THE CLEAR VIEW AREA (SEE CLEAR VIEW DETAIL THIS SHEET).
- IF A RESIDENTIAL LOT HAS TWO FRONTAGES AND ONE OF THOSE FRONTAGES IS LOCATED ON A COLLECTOR OR ARTERIAL STREET, THE DRIVeway SHALL BE LOCATED ON THE RESIDENTIAL STREET ONLY. NO DRIVeway ACCESS WILL BE PERMITTED ONTO THE COLLECTOR OR ARTERIAL STREET. (SEE DRIVeway EXHIBIT A)
- WHEN APPROVED BY THE CITY, THE RESIDENTIAL DRIVeway MAY BE INCREASED TO A MAX. 34'-0" WIDTH FOR ACCESSORY PARKING (THREE CAR GARAGE, RV PARKING, ETC.). APPROVAL WILL BE CONSIDERED ON A CASE BY CASE BASIS PER PROPERTY SETBACKS, DRIVE APPROACH CLEAR VIEW AREA, AND CITY CODE.

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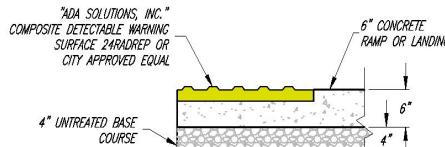
CLEARFIELD CITY CORPORATION
975 SOUTH AND 1480 WEST PROJECT

TYPICAL DRIVE APPROACH DETAILS

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DETECTABLE WARNING SURFACE NOTES:

1. LOCATE THE DETECTABLE WARNING SURFACE SO THE OUTSIDE CORNER NEAREST THE STREET IS WITHIN 1 INCH OF THE BACK OF CURB (T.B.C.). PROVIDE 2'-0" MINIMUM DEPTH.
2. PROVIDE DETECTABLE WARNING SURFACE FOR FULL WIDTH OF CURB CUT.
3. THE DETECTABLE WARNING SURFACE DOMES SHALL BE ORIENTED SUCH THAT THE ROWS ARE PARALLEL WITH THE DIRECTION OF PEDESTRIAN TRAVEL TO THE RAMP ON THE OPPOSITE SIDE OF THE STREET.
4. THE STANDARD COLOR FOR THE DETECTABLE WARNING SURFACE SHALL BE YELLOW OR PRE-APPROVED CONTRASTING COLOR. WHEN THE EXISTING SIDEWALK COLOR IS NOT STANDARD CONCRETE, THE COLOR OF THE DETECTABLE WARNING SURFACE SHALL BE DETERMINED BY THE CITY.
5. WHEN A DETECTABLE WARNING SURFACE DOME IS CUT, THE REMAINING PORTION OF THE DOME SHALL BE BEVELED TO A MAXIMUM SLOPE OF 1:2.



DETECTABLE WARNING SURFACE DETAIL

ADA RAMP NOTES:

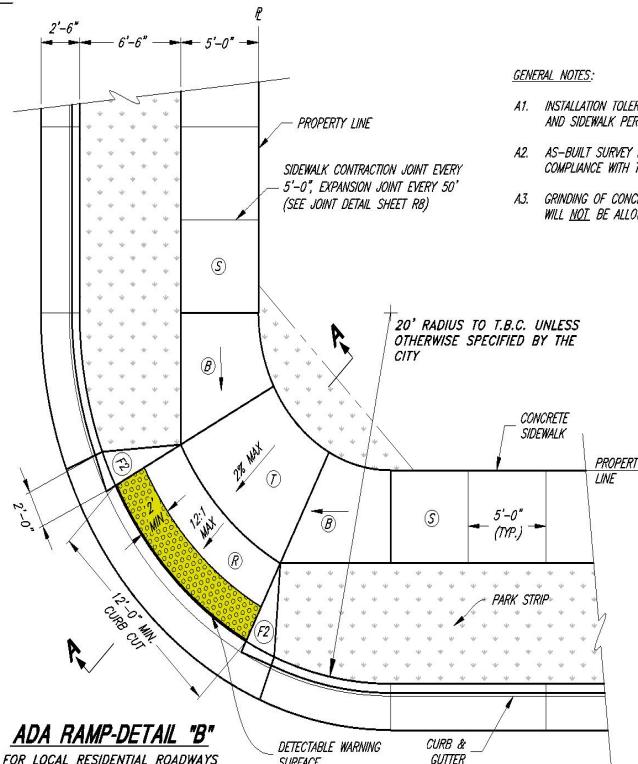
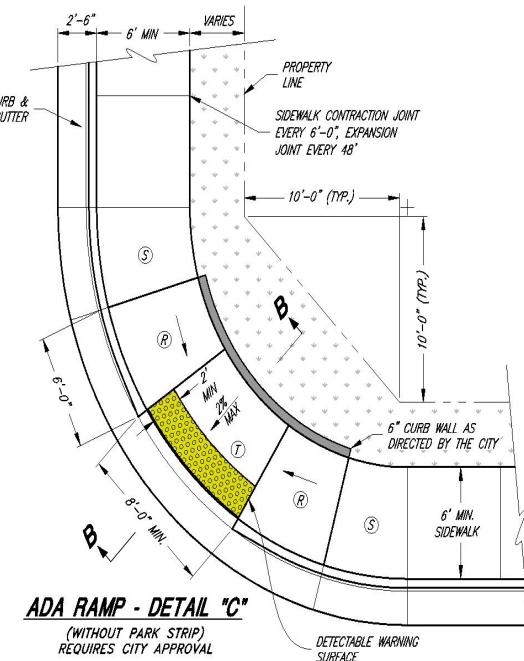
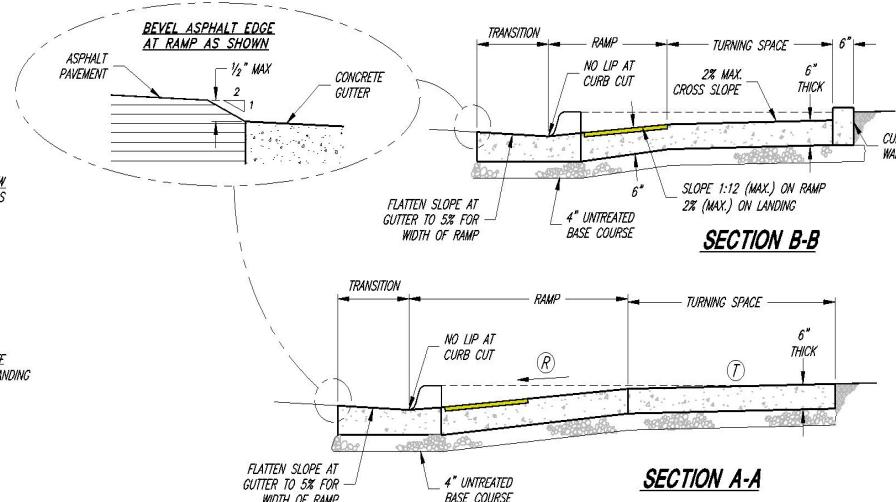
- WHERE DESIGNATED BY THE CITY, ALTERNATE UDOT OR APWA RAMP DESIGNS MAY BE USED WITH PRIOR APPROVAL OF THE CITY. SUBMIT ENGINEERED CONSTRUCTION PLANS TO CITY FOR REVIEW AND ACCEPTANCE PRIOR TO CONSTRUCTION.
- SITE CONDITIONS WILL VARY. CONFIGURATION OF RAMP, LANDING, AND TRANSITION MAY BE CHANGED, BUT THEY MUST MEET DIMENSIONS AND SLOPES AS SHOWN IN THE MOST RECENT EDITION OF THE U.D.O.T. STANDARDS & SPECIFICATIONS. THE USE OF FLARES, CURB WALLS, ETC. ARE AT THE DISCRETION OF THE ENGINEER.
- LOCATE CURB CUT WITHIN CROSSWALK.
- RAMP GRADE BREAK MUST BE PERPENDICULAR TO THE RUNNING SLOPE.

| SLOPE TABLE | | |
|--------------------------------|--------------------------------|-------------------------------|
| ITEM | MAX RUNNING SLOPE ¹ | MAX. CROSS SLOPE ² |
| (T) TURNING SPACE ² | 2% (1V:4H) | 2% (1V:4H) |
| (R) RAMP | 8.3% (1V:12H) | 2% (1V:4H) |
| (S) SIDEWALK | 5% (1:20) | 2% (1V:4H) |
| (F1) TRAVERSABLE SURFACE | 10% (1V:10H) | -- |
| (F2) NON-TRAVERSABLE SURFACE | 25% (1V:4H) | -- |
| (B) BLENDED TRANSITION | 5% (1V:20H) 2% MIN. | 2% (1V:4H) |

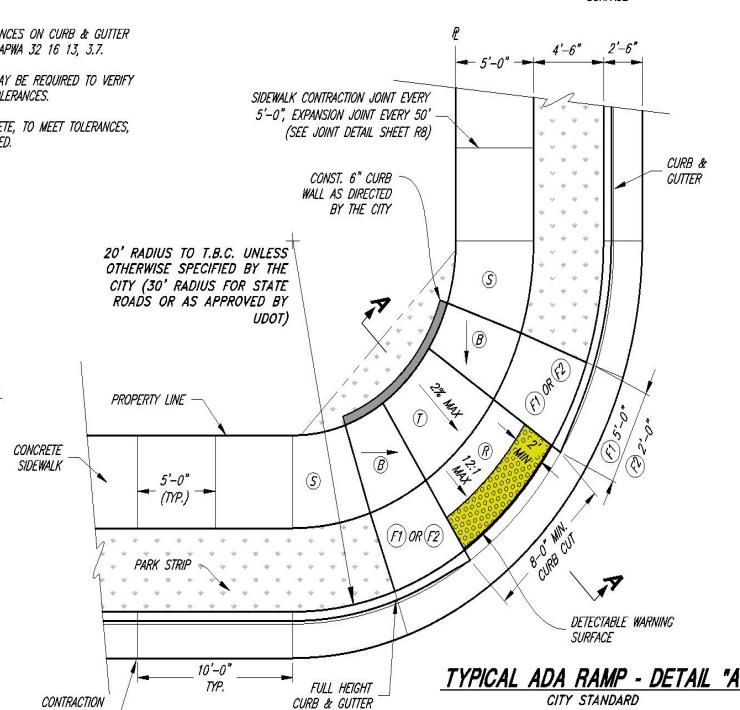
* RUNNING SLOPE IS IN THE DIRECTION OF PEDESTRIAN TRAVEL. CROSS SLOPE IS PERPENDICULAR TO PEDESTRIAN TRAVEL.

¹ 5% MAX OR NATURAL SLOPE OF LAND

² NOT TO EXCEED 2% IN ANY DIRECTION



ADA RAMP-DETAIL "B"
FOR LOCAL RESIDENTIAL ROADWAYS



TYPICAL ADA RAMP - DETAIL "A"
CITY STANDARD

| | | |
|-----------|-----------|-------|
| DATE | REV. DATE | APPR. |
| 1/XX/2024 | | |

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Public Works

CLEARFIELD CITY CORPORATION

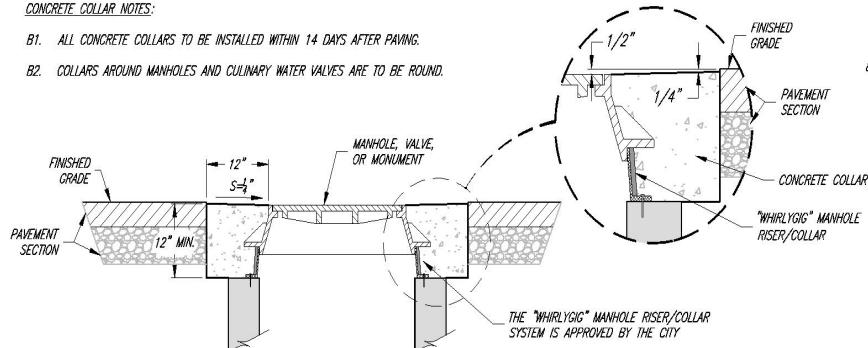
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TYPICAL ADA RAMP DETAILS

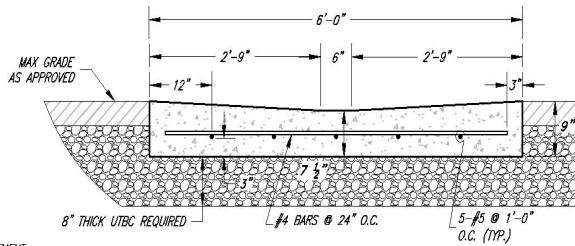
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OF X SHEETS
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CONCRETE COLLAR NOTES:

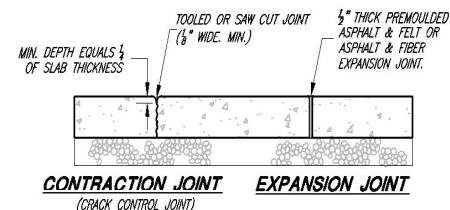
1. ALL CONCRETE COLLARS TO BE INSTALLED WITHIN 14 DAYS AFTER PAVING.
2. COLLARS AROUND MANHOLES AND CULINARY WATER VALVES ARE TO BE ROUND.



CONCRETE COLLAR DETAIL

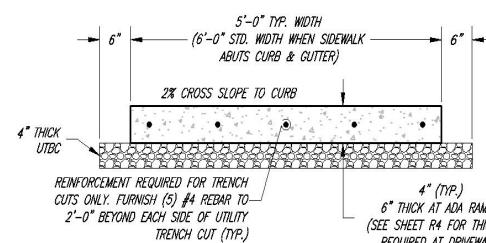


CROSS DRAIN SECTION



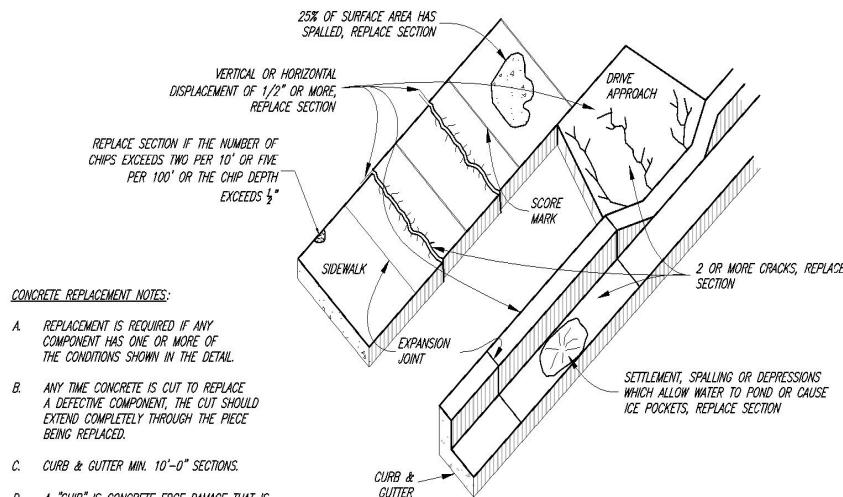
CONTRACTION JOINT (CRACK CONTROL JOINT) **EXPANSION JOINT**

JOINT DETAIL



SIDEWALK SECTION

(CITY STANDARD)

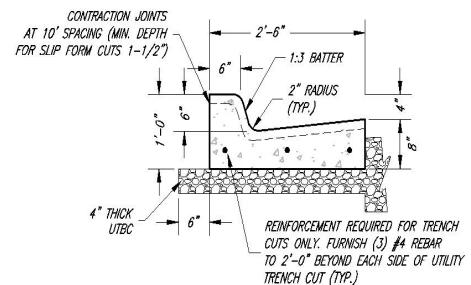


DEFECTIVE CONCRETE REPLACEMENT CRITERIA

GENERAL NOTES:

- A1. INSTALLATION TOLERANCES ON CURB & GUTTER AND SIDEWALK PER APWA 32 16.1.3, 3.7.
- A2. AS-BUILT SURVEY MAY BE REQUIRED TO VERIFY COMPLIANCE WITH TOLERANCES.
- A3. GRINDING OF CONCRETE, TO MEET TOLERANCES, WILL NOT BE ALLOWED.
- A4. CONCRETE CLASS: WHEN NOT SPECIFIED IN THE PLANS OR PROJECT SPECIFICATION, USE THE FOLLOWING TABLE TO SELECT THE CLASS OF CONCRETE REQUIRED FOR THE APPLICATION.

| CONCRETE CLASS | APPLICATION |
|----------------|---|
| 5,000 | REINFORCED STRUCTURAL CONCRETE |
| 4,000 | SIDEWALKS, CURB, GUTTER, CROSS GUTTERS, WATERWAYS, PAVEMENTS, AND UNREINFORCED FOOTINGS AND FOUNDATIONS |
| 3,000 | THRUST BLOCKS |
| 2,000 | ANCHORS, MASS CONCRETE |



CURB & GUTTER SECTION
(CITY STANDARD)

CURB & GUTTER NOTES:

1. WHEN REPLACING CURB DUE TO CONSTRUCTION ACTIVITY, NEW CURB MUST EXTEND 5' MIN. PAST TRENCH ON EACH SIDE.
2. CONCRETE CURB TO BE CONSTRUCTED USING SLIPFORMS, HAND FORMED OR STATIONARY FORMS ARE ONLY ALLOWED FOR CURB TIE-INS.
3. THE SLOPE FOR CURB & GUTTER MUST BE A MINIMUM OF 0.5%.

| | |
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| CITY ENGINEER | |
| 1/XX/2024 | |
| DATE | |
| REV. DATE | APPROV. |

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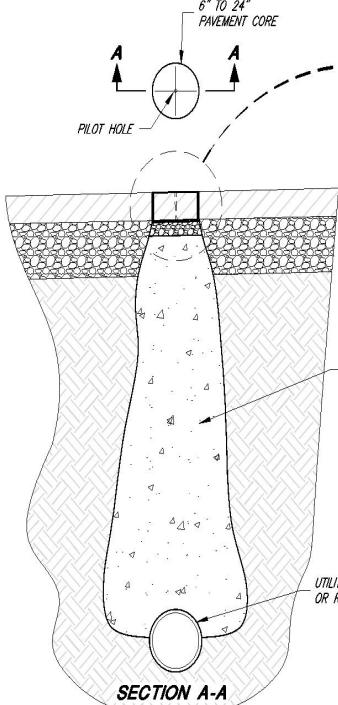
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CLEARFIELD CITY CORPORATION
975 SOUTH AND 1480 WEST PROJECT
TYPICAL SIDEWALK, CURB & GUTTER, CONCRETE COLLAR,
AND DEFECTIVE CONC. REPLACEMENT DETAILS

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OF X SHEETS
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| BOND MATERIAL PROPERTIES | | |
|---|------------------|--------------|
| PROPERTY | ASTM TEST METHOD | REQUIREMENTS |
| BOND STRENGTH, PSI (@ 70° F., 30 MIN. CURE) | C082 | 200 MIN. |
| COMPRESSIVE STRENGTH, PSI (@ 70° F., 60 MIN. CURE) | C109 | 1500 MIN. |

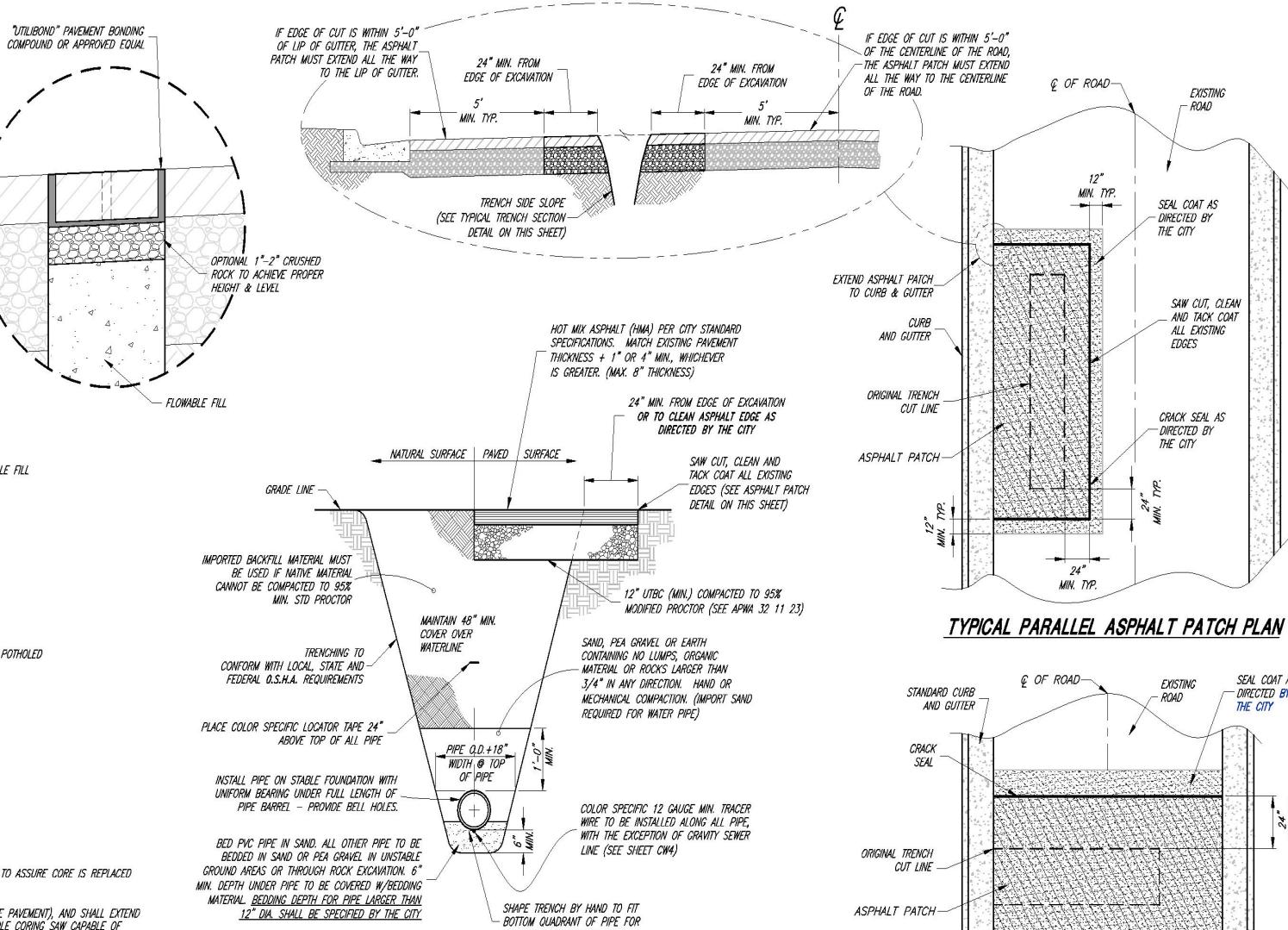


UTILITY POTHoling DETAIL

KEYHOLE METHOD

UTILITY POTHOLE NOTES:

- A1. CONTRACTOR SHALL PLACE A TEMPORARY PAINT MARK ON THE PAVEMENT TO ASSURE CORE IS REPLACED IN THE SAME ORIENTATION.
- A2. CORING SHALL BE COMPLETED PERPENDICULAR TO THE HORIZON (NOT THE PAVEMENT), AND SHALL EXTEND THE FULL ASPHALT DEPTH. CORING SHALL BE COMPLETED USING A KEYHOLE CORING SAW CAPABLE OF REMOVING AN INTACT CORE OF PAVEMENT.
- A3. CORES SHALL NOT BE LESS THAN 6 INCHES IN DIAMETER AND NO MORE THAN 24 INCHES IN DIAMETER.
- A4. SOIL SHALL BE REMOVED USING AIR/VACUUM EXTRACTION METHODS AND DISPOSED PROPERLY OFF SITE.
- A5. FLOWABLE FILL SHALL BE USED TO BACKFILL THE HOLE TO WITHIN ONE TO TWO INCHES OF THE BOTTOM OF THE EXISTING PAVEMENT.
- A6. COMPACTED GRAVEL IF NECESSARY SHALL BE USED TO BRING THE POTHOLE TO THE BOTTOM OF PAVEMENT GRADE. THE TEMPORARY PAINT MARK SHALL BE USED TO ALIGN THE CORE TO ITS ORIGINAL POSITION AND THE GRAVEL SHALL BE USED TO LEVEL THE CORE SO THE FINISH GRADE IS FLUSH WITH THE SURROUNDING ASPHALT.
- A7. PAVEMENT BONDING COMPOUND SHALL BE USED TO RESTORE THE CORE TO ITS ORIGINAL CONDITION COMPLETELY FLUSH WITH THE SURROUNDING ASPHALT. THE COMPOUND SHALL BE POURED IN THE POTHOLE AND THE CORE PLACED IN AFTER CAUSING THE PAVEMENT BONDING COMPOUND TO FLOW TO THE SURFACE. ALL EXCESS BONDING AGENT SHALL BE REMOVED.
- A8. CORES SHALL BE ALLOWED TO CURE PER MANUFACTURER'S RECOMMENDATIONS PRIOR TO OPENING TO TRAFFIC.



TYPICAL TRENCH SECTION

(WATER, SEWER, AND STORM DRAIN)

TRENCH NOTES:

- A. BACKFILL PER APWA 33 05 20
- B. PAVEMENT RESTORATION PER APWA 33 05 25 AND CITY MODIFICATIONS.
- C. GRAVEL SURFACED AREAS, SUCH AS ROADS AND SHOULDERS, PARKING AREAS, AND UNPAVED DRIVEWAYS, SHALL BE REPAIRED WITH 8" THICK (MIN.) 1" UNREATED BASE COURSE COMPACTED TO 95% MODIFIED PROCTOR.
- D. WATER & SEWER LINES, INCLUDING SERVICE LINES, SHALL NOT BE INSTALLED IN THE SAME TRENCH.

ASPHALT PATCH NOTE:

1. ON ANY ROAD PAVED OR OVERLAYERED WITHIN THE LAST 10 YEARS, THE PATCH MUST BE COMPLETED PER APWA PLAN 255 BITUMINOUS PAVEMENT T-PATCH. (SEE SHEET R10)
2. NO ANGLED ASPHALT PATCHING ALLOWED.

| | | |
|---------------|-----------|-------|
| City Engineer | | |
| 1/XX/2024 | REV. DATE | APPR. |

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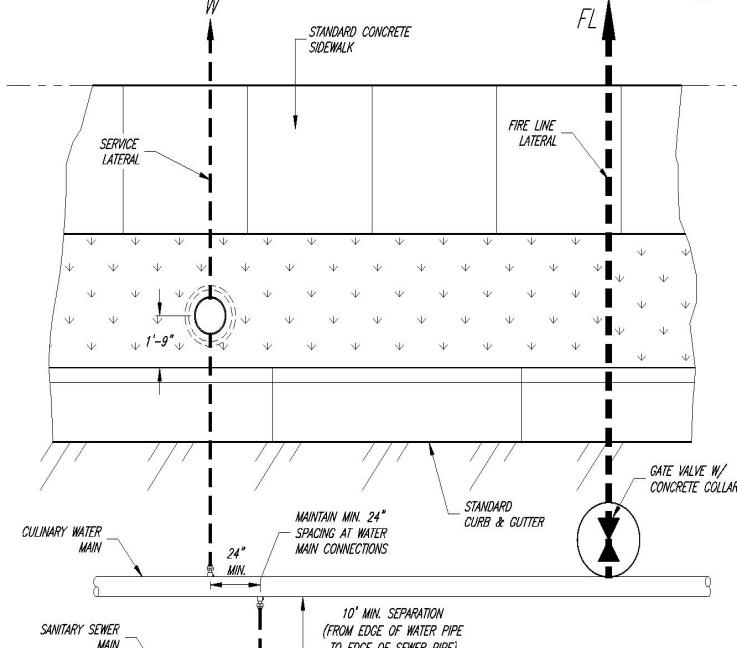


CLEARFIELD CITY CORPORATION
975 SOUTH AND 1480 WEST PROJECT
UTILITY TRENCH, UTILITY POTHoling, AND
ASPHALT PATCH PLAN DETAILS

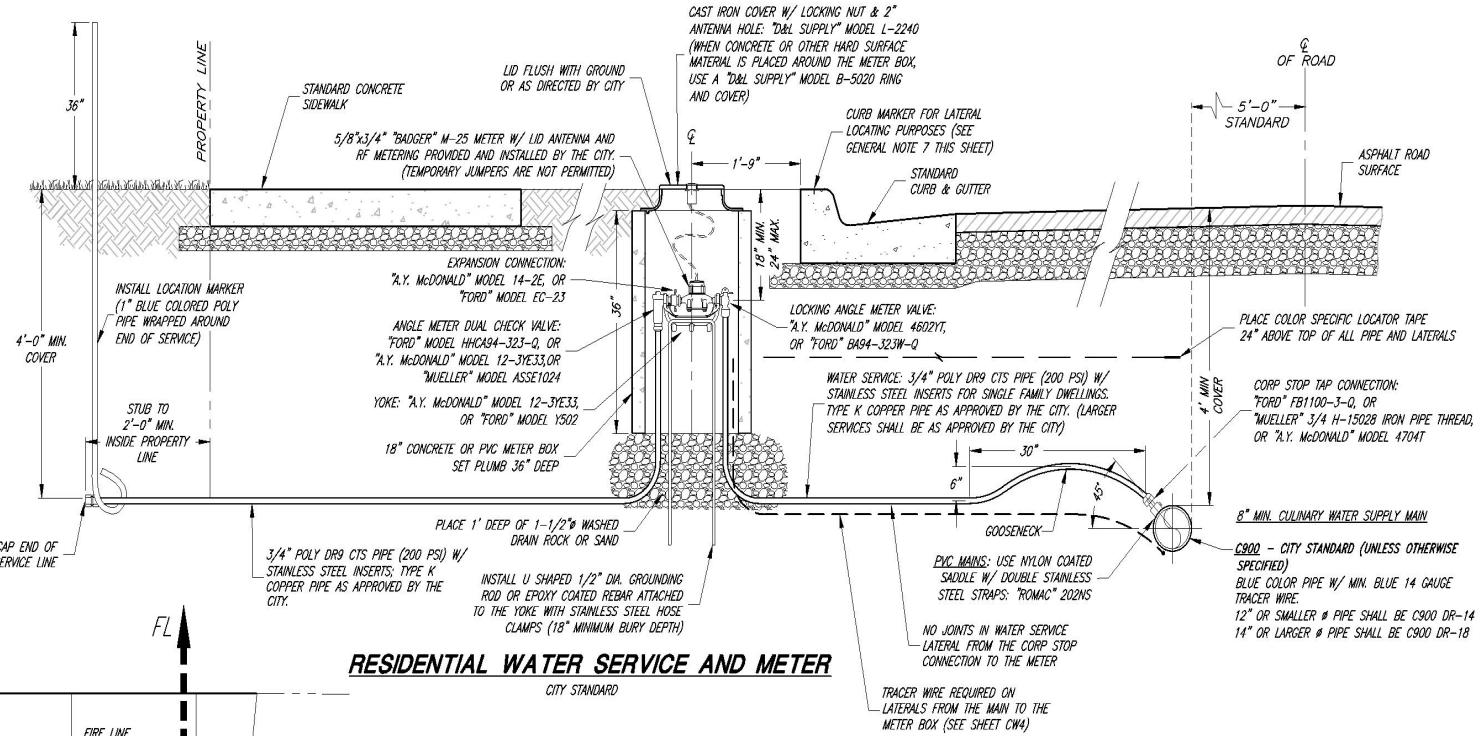
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GENERAL NOTES:

1. THE USE OF "MUELLER", "FORD", OR "A.Y. MCDONALD" COMPRESSION TYPE FITTINGS IS ACCEPTED BY THE CITY.
2. "BLUE" BOLTS AND NUTS ARE REQUIRED BY THE CITY.
3. ALL SUPPLIES, LABOR, EQUIPMENT, ETC. SHALL BE SUPPLIED BY THE DEVELOPER/CONTRACTOR EXCEPT THE WATER METERS. WATER METERS SHALL BE PAID FOR BY THE DEVELOPER/CONTRACTOR. CLEARFIELD CITY WILL SUPPLY AND SET ALL WATER METERS.
4. ALL SPECIFIED BRANDS OF MATERIALS SHOWN ON THESE DRAWINGS ARE "CITY STANDARDS." OTHER EQUIVALENT BRANDS MAY BE USED WITH PRIOR APPROVAL OF THE CITY.
5. INSPECTION OF ALL WATER LINE INSTALLATIONS WILL BE DONE BY THE CITY, WITH A 48 HOUR MINIMUM NOTICE REQUIRED PRIOR TO START OF WORK.
6. ALL CULINARY WATER MAINS AND SERVICES MUST MAINTAIN A MINIMUM SEPARATION ABOVE ALL SEWER MAINS AND LATERALS OF 18" VERTICAL AND 10'-0" HORIZONTAL IN ACCORDANCE WITH THE STATE OF UTAH DIVISION OF DRINKING WATER (DOW) RULES SECTION R309-550-7. EXCEPTIONS MUST BE APPROVED BY DOW.
7. STAMPED STAINLESS STEEL PINS (UTILITY WASHERS) USED FOR LATERAL LOCATING ARE REQUIRED BY THE CITY. PINS SHALL BE PROVIDED BY THE CITY AND INSTALLED BY THE CONTRACTOR DURING ALL NEW CONSTRUCTION OR RESTORED WHEN REPLACING DAMAGED CURB & GUTTER DUE TO ANY CONSTRUCTION RELATED ACTIVITY. PINS SHALL BE STAMPED "S" FOR SANITARY SEWER LATERALS AND "W" FOR CULINARY WATER LATERALS.



STANDARD WATER METER LOCATION



CULINARY WATER FIRE LINE LATERAL NOTES:

- A. THE PROPERTY OWNER IS RESPONSIBLE FOR ALL MATERIALS, INSTALLATION, REPAIR AND FUTURE MAINTENANCE FOR THE ENTIRE FIRE LINE LATERAL FROM THE CITY MAIN WATER LINE TO THE POINT OF CONNECTION WITH THE FIRE SUPPRESSION SYSTEM.
- B. ALL FIRE LINES SHALL BE SIZED PER CLEARFIELD CITY FIRE CODE (4", 6", 8" OR AS REQUIRED).

CULINARY WATER SERVICE NOTES:

- C. THE PROPERTY OWNER IS RESPONSIBLE FOR ALL INSTALLATION OF THE CULINARY WATER SERVICE LATERAL, INCLUDING METER BOX, COMPLETE AND CONNECTION TO MAIN WATERLINE.
- D. THE PROPERTY OWNER IS RESPONSIBLE FOR ALL REPAIR AND MAINTENANCE OF THE CULINARY WATER SERVICE LATERAL FROM THE CITY WATER METER TO THE POINT OF CONNECTION WITH THE PRIVATE FACILITIES.
- E. ONCE THE METER IS SET, CLEARFIELD CITY IS RESPONSIBLE FOR ALL REPAIR AND MAINTENANCE OF THE CULINARY WATER SERVICE FROM THE CULINARY WATER MAIN PIPE TO AND INCLUDING THE WATER METER, METER BOX, LID & FACILITIES CONTAINED THEREIN.
- F. CULINARY WATER METERS SHALL NOT BE LOCATED WITHIN THE DRIVEWAY AREA. IN THE CIRCUMSTANCE THAT A DRIVEWAY IS PLACED OVER AN EXISTING METER, THE PROPERTY OWNER SHALL FOLLOW THE CITY STANDARD GUIDELINES AS OUTLINED IN THE METER LOCATION NOTES ON SHEET CW2.

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| City Engineer | |
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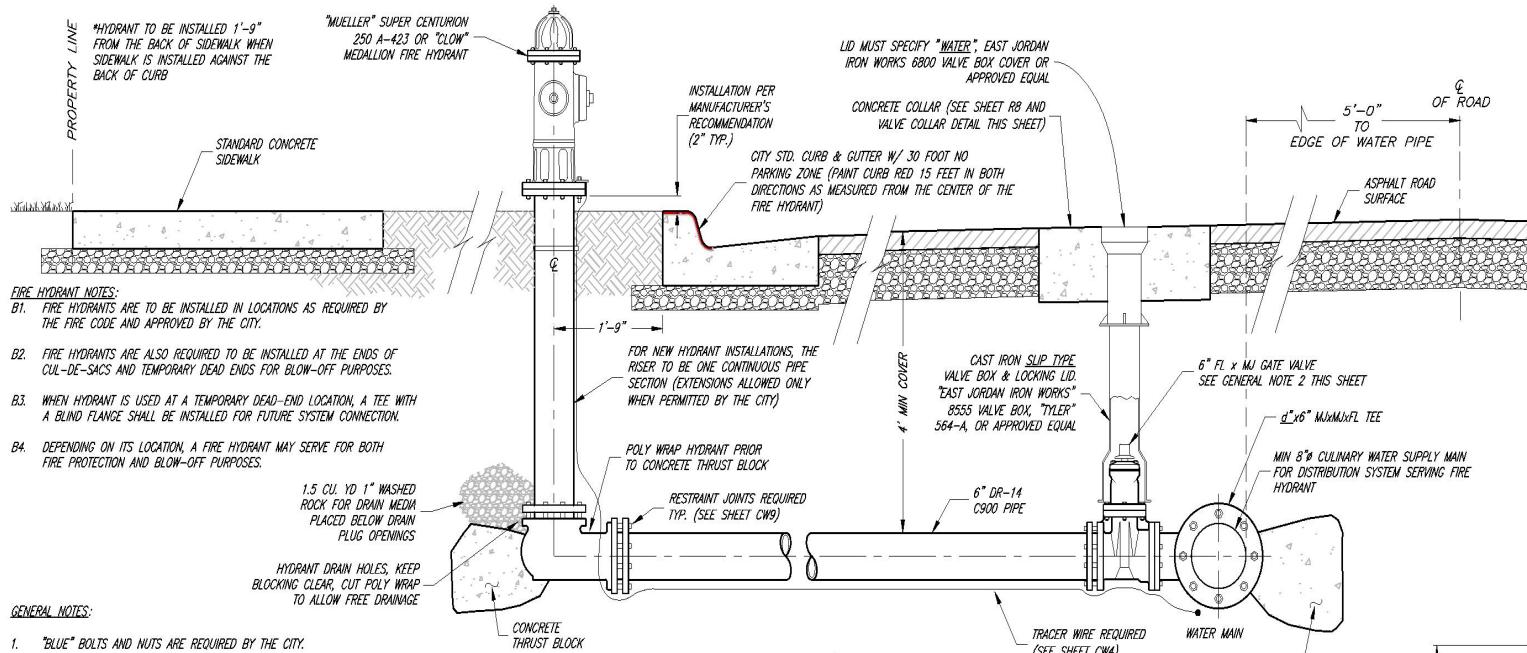


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CLEARFIELD CITY CORPORATION
975 SOUTH AND 1480 WEST PROJECT
RESIDENTIAL WATER SERVICE CONNECTION DETAILS

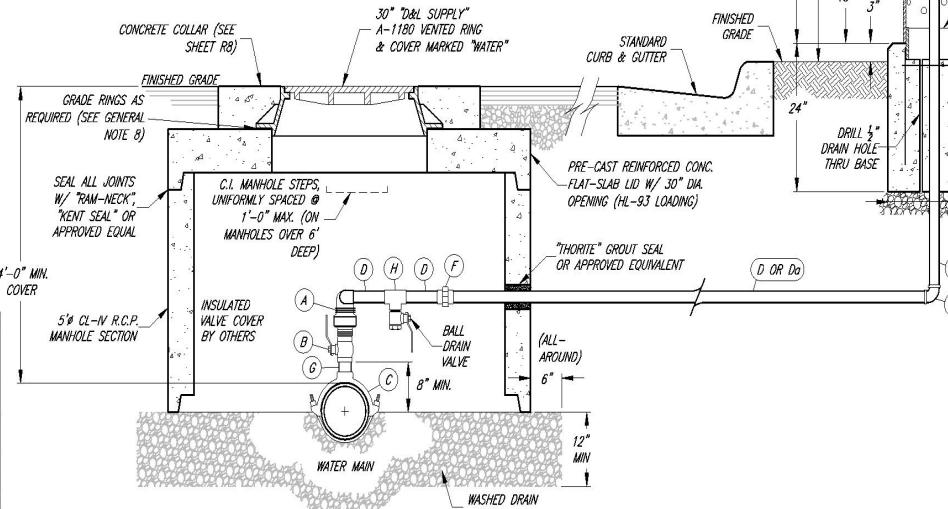
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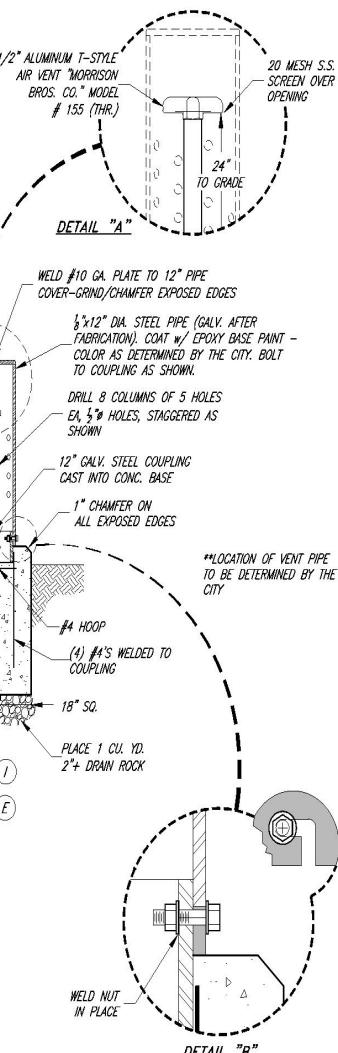
**FIRE HYDRANT &
GATE VALVE DETAIL**

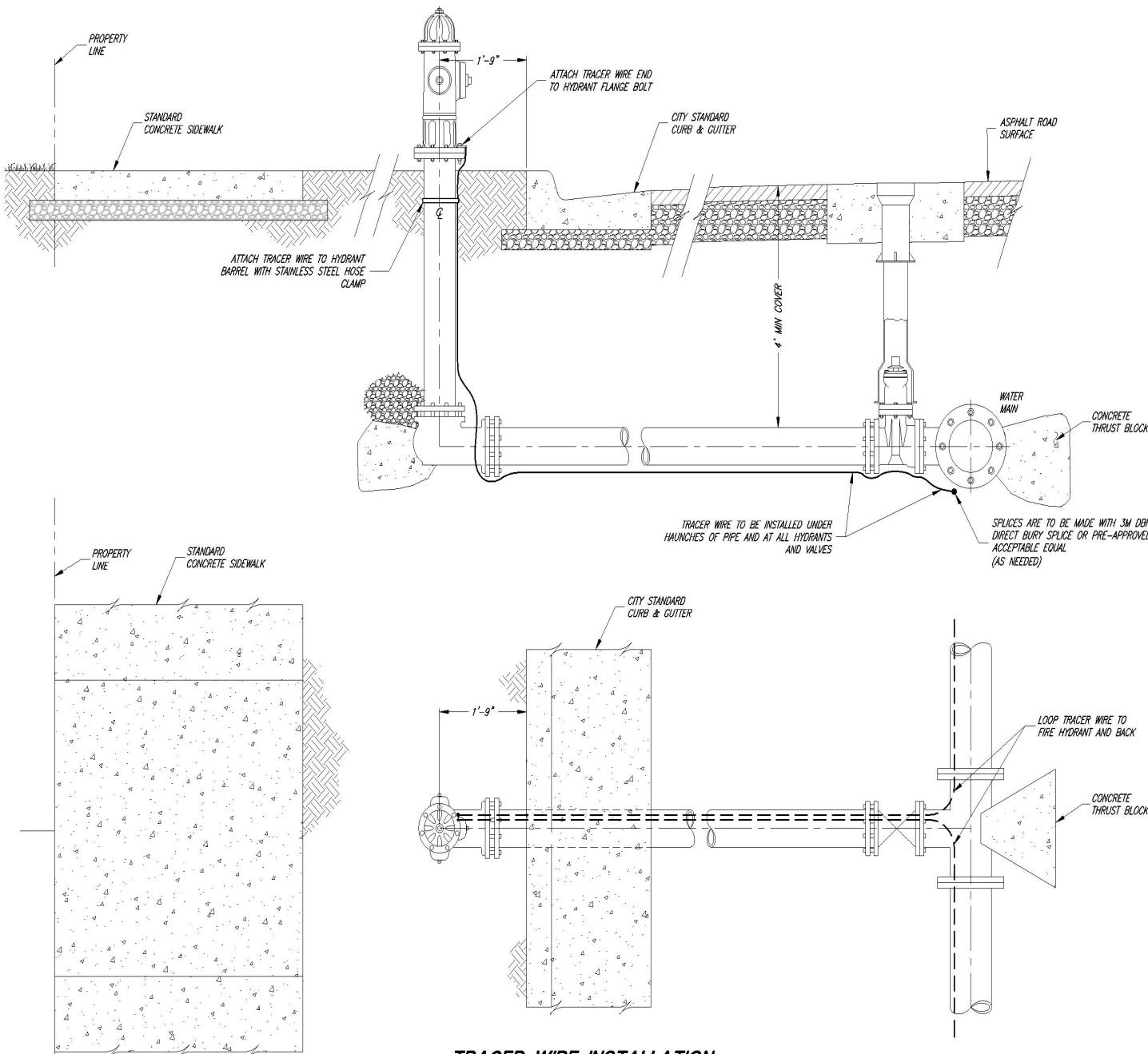
1. "BLUE" BOLTS AND NUTS ARE REQUIRED BY THE CITY.
2. ALL WATER MAIN AND HYDRANT GATE VALVES TO BE AWWA C509 RESILIENT WEDGE "MUELLER" A-2361 OR "CLOW" 2639 VALVES (ANY CHIPS IN THE VALVE FACTORY COATING DUE TO SHIPPING/INSTALLATION MUST BE REPAIRED USING AN APPROVED EPOXY COATING)
3. ALL SPECIFIED BRANDS OF MATERIALS SHOWN ON THESE DRAWINGS ARE "CITY STANDARDS." OTHER EQUIVALENT BRANDS MAY BE USED WITH PRIOR APPROVAL OF THE CITY.
4. PIPES, JOINTS, FITTINGS, VALVES, & FIRE HYDRANTS SHALL CONFORM TO ANSI / NSF 61
5. FIRE HYDRANTS SHALL NOT BE LOCATED WITHIN 10'-0" OF A SANITARY SEWER OR WITHIN 10'-0" OF STORM DRAIN WHERE POSSIBLE.
6. ALL WATER SYSTEM MATERIALS SHALL BE NEW (DISCOLORED PIPE OR PIPE MATERIALS STOCKPILED LONGER THAN 1 YEAR WILL NOT BE ACCEPTED BY THE CITY); USED MATERIALS ARE NOT ALLOWED.
7. ALL CULINARY WATER MAINS AND SERVICES MUST MAINTAIN A MINIMUM SEPARATION ABOVE ALL SEWER MAINS AND LATERALS OF 18" VERTICAL AND 10"-0" HORIZONTAL IN ACCORDANCE WITH THE STATE OF UTAH DIVISION OF DRINKING WATER (DOW) RULES SECTION R309-550-7. EXCEPTIONS MUST BE APPROVED BY DOW.
8. NO MORE THAN 12" OF GRADE RINGS TO BE ALLOWED ON ANY MANHOLE

| PIPE & FITTING SCHEDULE | | |
|-------------------------|---|---------|
| NO. | DESCRIPTION | FITTING |
| A | 2" COMBINATION AIR-VACUUM RELIEF VALVE "A.R.I." MODEL D-040 W/ NPT CONNECTIONS | THR. |
| B | 2" BRASS BALL VALVE (1/4 TURN) "FORD" B11-1HB-67-NL OR APPROVED EQUAL | THR. |
| C | 2" NYLON COATED W/ DOUBLE S.S. STRAPS SERVICE SADDLE "ROMAC" 202NS OR APPROVED EQUAL | THR. |
| D | 1 1/2" SCH. 80 PVC PIPE | THR. |
| Da | 1 1/2" POLY PIPE | THR. |
| E | 1 1/2" GALV. STEEL 90° ELBOW | THR. |
| F | 1 1/2" SCH. 80 PVC UNION | THR. |
| G | 2" BRASS PIPE | THR. |
| H | 1 1/2" SCH. 80 PVC TEE | THR. |
| I | 1 1/2" GALV. STEEL PIPE | THR. |



AIR/VACUUM RELIEF STATION





TRACER WIRE INSTALLATION

CITY STANDARD STREET SECTION (CURB & GUTTER)

NOTES:

1. ALL WATERLINES SHALL HAVE A MINIMUM 12 GA. INSULATED TRACER WIRE INSTALLED UNDER THE HAUNCHES OF THE PIPE PRIOR TO BACKFILLING.
2. TRACER WIRES SHALL TERMINATE AT ALL FIRE HYDRANTS. AT SERVICE SADDLES AND TAPPING SLEEVES, THE TRACER WIRE SHALL NOT BE ALLOWED TO BE PLACED BETWEEN THE SADDLE AND THE PIPE. A GROUNDING ROD SHALL BE INSTALLED AT ALL TRACER SYSTEM TERMINAL POINTS.
3. TRACER WIRE SHALL BE COPPER WIRE WITH BLUE INSULATION RATED FOR DIRECT BURIAL. ALL WIRE CONNECTORS SHALL BE 3M DBR DIRECT BURY SPLICE OR PRE-APPROVED ACCEPTABLE EQUAL AND SHALL BE WATERTIGHT TO PROVIDE ELECTRICAL CONTINUITY.
4. ALL TRACER WIRE SHALL BE TESTED FOR CONTINUITY IN THE PRESENCE OF THE CITY PRIOR TO TRENCH BACKFILL. ANY TRACER WIRE FOUND NOT TO BE CONTINUOUS AFTER TESTING SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR PRIOR TO TRENCH BACKFILL.

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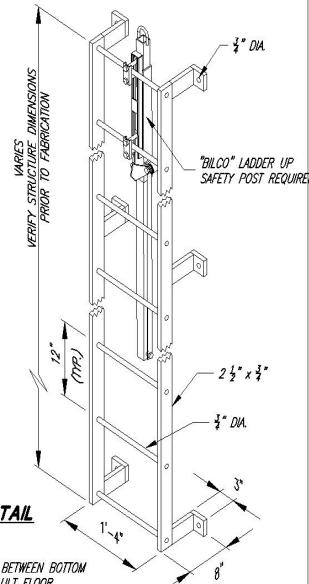
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975 SOUTH AND 1480 WEST PROJECT

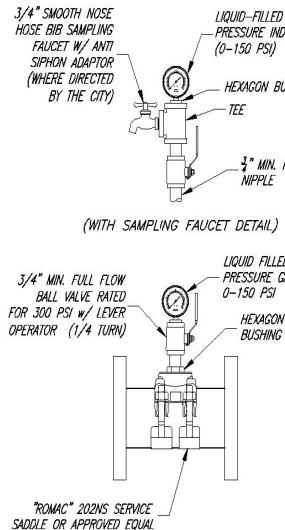
TRACER WIRE INSTALLATION DETAILS

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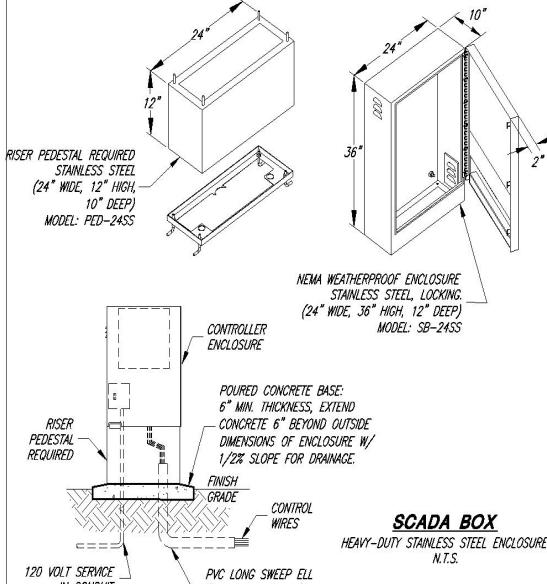
LADDER DETAIL

LADDER NOTES:
 A1. MAX. 12" SPACING BETWEEN BOTTOM OF LADDER AND VAULT FLOOR.
 A2. HOT DIP GALVANIZE AFTER FABRICATION.



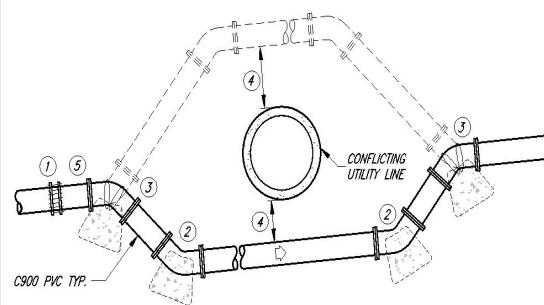
PRESSURE GAUGE ASSEMBLY

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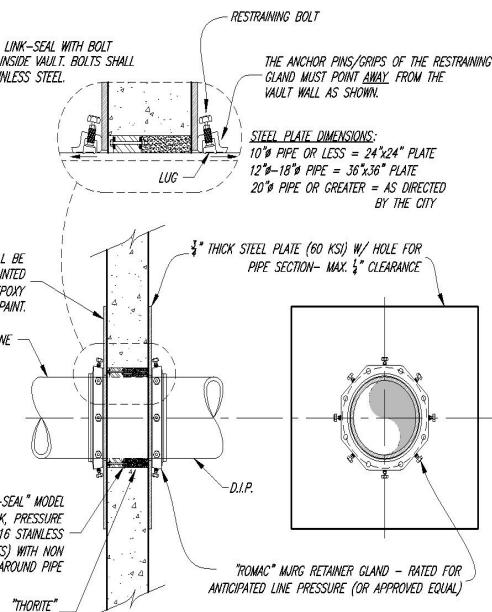
SCADA BOX

HEAVY-DUTY STAINLESS STEEL ENCLOSURE
N.T.S.



TYPICAL WATERLINE LOOP

- ① TRANSITION COUPLING; "ROMAC" ALPHA, "ROMAC" MACRO, OR APPROVED EQUAL
- ② MU 45° BEND W/ RETAINER GLANDS
- ③ CONSTRUCT THRUST BLOCKS AT EACH 45° BEND W/ (2) 1/2" THICK X 2" WIDE STAINLESS STEEL STRAPS WITH 6" HOOKS
- ④ MINIMUM OF 12" COVER BETWEEN THE WATERLINE AND CONFLICTING UTILITY LINE TO BE CROSSED, EXCEPT LOOPS INVOLVING SEWER MAINS WHERE A MINIMUM OF 18" VERTICAL COVER ABOVE THE SEWER MAIN IS REQUIRED. EXCEPTIONS MUST BE APPROVED BY THE UTAH DIVISION OF DRINKING WATER (DOW).
- ⑤ AN AIR/VACUUM RELIEF VALVE MAY BE REQUIRED ON A CASE BY CASE BASIS AS DIRECTED BY THE CITY.



WALL PENETRATION DETAIL

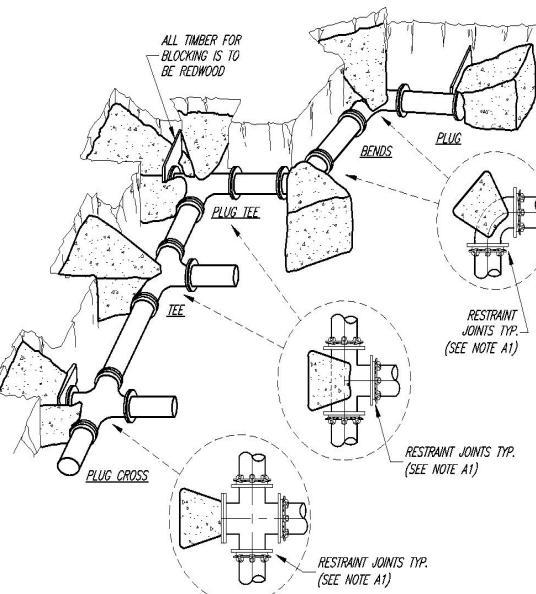
FOR PRECAST VAULT (TYP.)

PIPE RESTRAINT

- A1. FOR NOMINAL PIPE DIAMETERS 8" AND GREATER, ALL BENDS, CROSSES, TEES, REDUCERS, AND VALVES SHALL BE INSTALLED WITH RESTRAINING JOINTS ("MEGA-LUG", "ALPHA" OR APPROVED EQUAL).
- A2. DESIGN SHALL ALSO BE REQUIRED TO ENSURE ADEQUATE RESTRAINT FOR PIPING JOINTS NEAR FITTINGS BASED ON PIPE DIAMETER AND PIPE PRESSURE.

THRUST BLOCKING NOTES:

- B1. CONCRETE SHALL NOT BE PLACED WITHIN 1-1/2" OF JOINTS AND BOLTS. COVER ALL METAL CONTACT AREAS WITH A POLY WRAP PRIOR TO CONCRETE PLACEMENT.
- B2. IN THE ABSENCE OF A SOILS REPORT, ALL THRUST BLOCKS SHALL BE SIZED ON THE BASIS OF A MAXIMUM LATERAL BEARING VALUE FOR 2000 P.S.F. AND A THRUST RESULTING FROM 200% OF THE WATER LINE STATIC LINE TEST.
- B3. THRUST BLOCKS ARE REQUIRED AT ALL BENDS OF 22-1/2" OR MORE. 11-1/4" BENDS SHALL HAVE RETAINER GLANDS.
- B4. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS.



TYPICAL RETAINER GLANDS & THRUST BLOCKING

| THRUST PER PSI OF WATER PRESSURE AT VARIOUS FITTINGS | | | | |
|--|-----------------------|-----------------|-----------------|---------------------|
| PIPE SIZE (IN.) | DEAD END OR TEE (LB.) | 90° ELBOW (LB.) | 45° ELBOW (LB.) | 22-1/2° ELBOW (LB.) |
| 4 | 19 | 27 | 15 | 7 |
| 6 | 39 | 55 | 30 | 15 |
| 8 | 67 | 94 | 51 | 26 |
| 10 | 109 | 154 | 84 | 43 |
| 12 | 155 | 218 | 119 | 61 |
| 14 | 210 | 296 | 161 | 82 |
| 16 | 272 | 383 | 209 | 106 |
| 18 | 351 | 494 | 269 | 137 |
| 20 | 434 | 611 | 333 | 169 |
| 24 | 623 | 878 | 487 | 244 |
| 30 | 947 | 1,332 | 722 | 377 |
| 36 | 1,356 | 1,905 | 1,032 | 542 |

NOTES:
 C1. IN USING THE ABOVE TABLE, USE THE MAXIMUM INTERNAL PRESSURE ANTICIPATED (I.E. HYDROSTATIC TEST PRESSURE, POSSIBLE SURGE PRESSURE DUE TO PUMP SHUT OFF, ETC.).

C2. SEE SOILS REPORT FOR BEARING STRENGTH OF SOIL IN THE ABSENCE OF A SOILS REPORT, AN AVERAGE SOIL (SPADABLE MEDIUM CLAY) CAN BE ASSUMED TO HAVE A BEARING STRENGTH OF 2000 P.S.F.

EXAMPLE:

8-INCH 90° ELBOW, PRESSURE 200 LB./SQ. IN.
 FROM TABLE: THRUST = 94 X 200 = 18,800 LB.
 ASSUME BEARING STRENGTH = 2,000 LB./SQ. FT.

18,800 / 2,000 = 9.4 SQ. FT. FOR THRUST BLOCK

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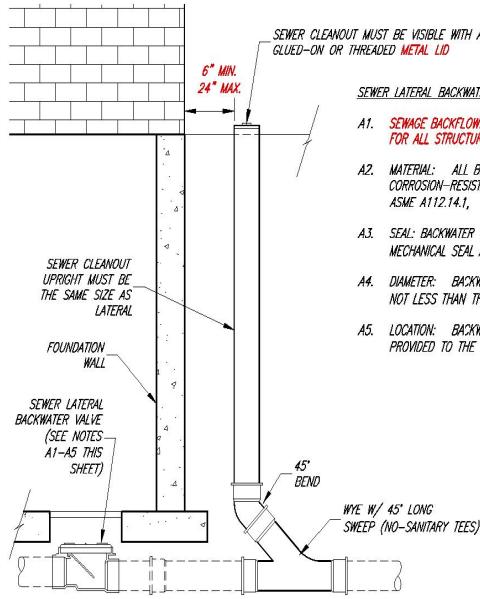
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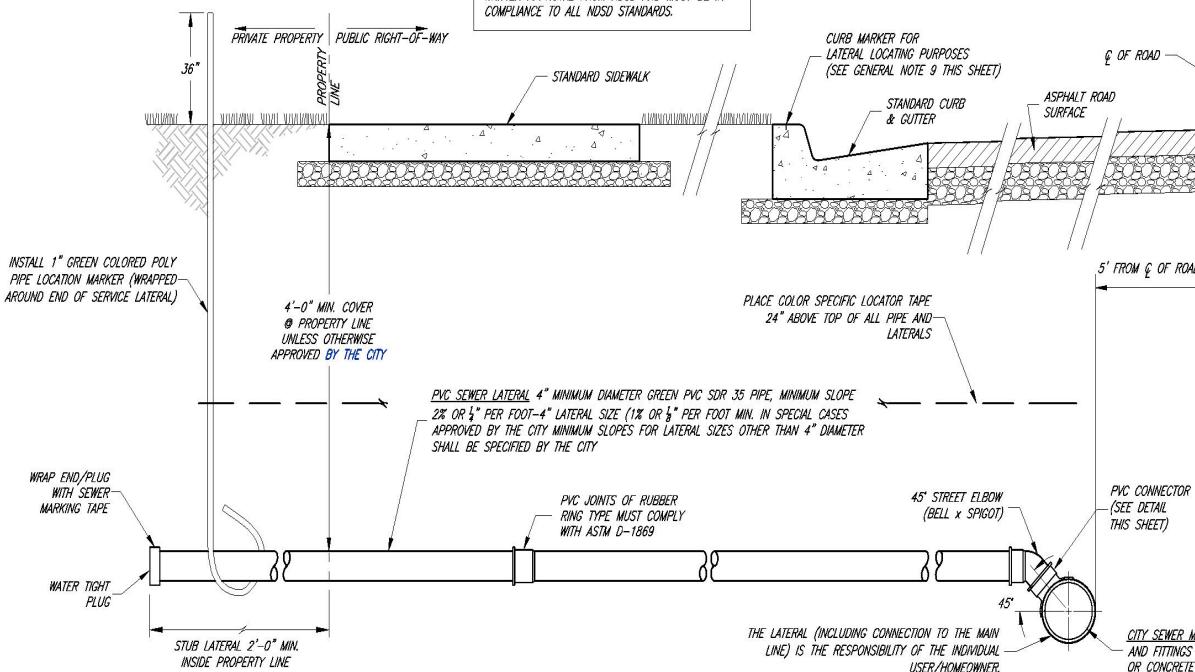


CLEARFIELD CITY CORPORATION
975 SOUTH AND 1480 WEST PROJECT
THRUST BLOCK, WATERLINE LOOP, AND MISC. VAULT DETAILS



**TYPICAL SEWER LATERAL
HOME CONNECTION WITH CLEANOUT**

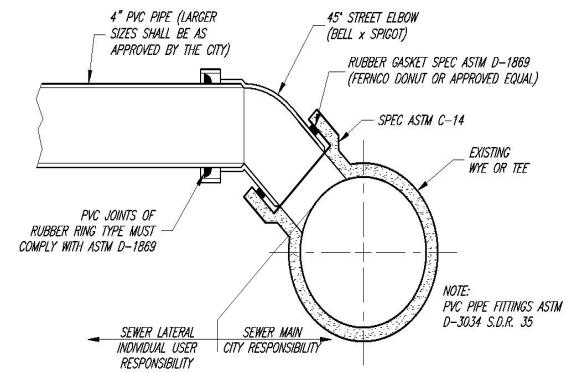
NORTH DAVIS SEWER DISTRICT NOTE:
ANY SANITARY SEWER WORK DONE INVOLVING THE
NORTH DAVIS SEWER DISTRICT (NDS) WILL REQUIRE
WRITTEN APPROVAL FROM NDS AND MUST BE IN
COMPLIANCE TO ALL NDS STANDARDS.



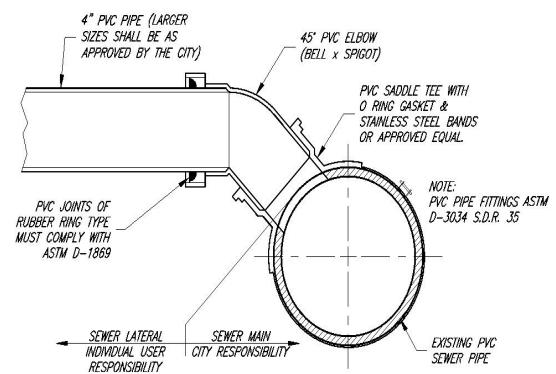
TYPICAL SEWER LATERAL CONNECTION

GENERAL NOTES:

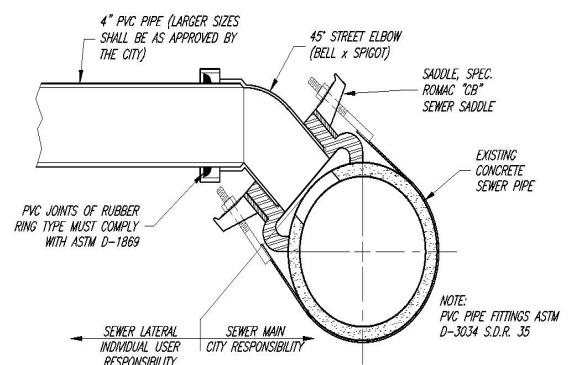
1. ALL SANITARY SEWER LATERAL CONNECTIONS ON SEWER MAINS IN NEW SUBDIVISIONS SHALL BE MADE WITH IN LINE PRE-FORMED WYES OR TEES UNLESS OTHERWISE APPROVED BY THE CITY.
2. FLOWLINE ELEVATION OF LATERALS SHALL EQUAL THE INSIDE TOP OF PIPE ON MAINLINE AT THE CONNECTING POINT (THE LATERAL TAP SHALL BE IN THE TOP QUARTER OF THE SEWER MAIN LINE PREFERABLY IN THE 10:00 OR 2:00 POSITION).
3. SANITARY SEWER SERVICE LATERAL CONNECTIONS SHALL NOT BE ALLOWED IN SEWER MANHOLES.
4. SANITARY SEWER MAINS AND LATERALS SHALL BE "GREEN" IN COLOR. PREVIOUS YEARS PIPE COLORS VARY THROUGHOUT THE CITY. CONTRACTOR TO VERIFY EXISTING PIPE PRIOR TO MAKING ANY CONNECTION.
5. INSERTA TEE PRODUCT IS NOT APPROVED BY THE CITY.
6. ALL CLEANOUTS SHALL BE MARKED AND FITTED WITH A METAL LID FOR LOCATION PURPOSES.
7. ALL CULINARY WATER MAINS AND SERVICES MUST MAINTAIN A MINIMUM SEPARATION ABOVE ALL SEWER MAINS AND LATERALS OF 18" VERTICAL AND 10'-0" HORIZONTAL IN ACCORDANCE WITH THE STATE OF UTAH DIVISION OF DRINKING WATER (DOW) RULES SECTION R309-530-7. EXCEPTIONS MUST BE APPROVED BY DOW.
8. ALL SANITARY SEWER LINES SHALL BE INSPECTED BY MEANS OF VIDEO CAMERA AND AIR TESTED WHEN CONSTRUCTED. SEE APWA J3 08 00 AND CITY MODIFICATIONS FOR MORE INFORMATION.
9. STAMPED STAINLESS STEEL PINS (UTILITY WASHERS) USED FOR LATERAL LOCATING ARE REQUIRED BY THE CITY. PINS SHALL BE PROVIDED BY THE CITY AND INSTALLED BY THE CONTRACTOR DURING ALL NEW CONSTRUCTION OR RESTORED WHEN REPLACING DAMAGED CURB & GUTTER DUE TO ANY CONSTRUCTION RELATED ACTIVITY. PINS SHALL BE STAMPED "S" FOR SANITARY SEWER LATERALS AND "W" FOR CULINARY WATER LATERALS.
10. THE LOCATION OF THE SEWER LATERAL MUST BE DOCUMENTED AND SUBMITTED TO THE CITY ON SCALED AS-BUILT DRAWINGS



**CONNECTING INTO
EXISTING WYE OR TEE**



**TAPPING INTO
EXISTING PVC PIPE**



**TAPPING INTO
EXISTING CONCRETE PIPE**

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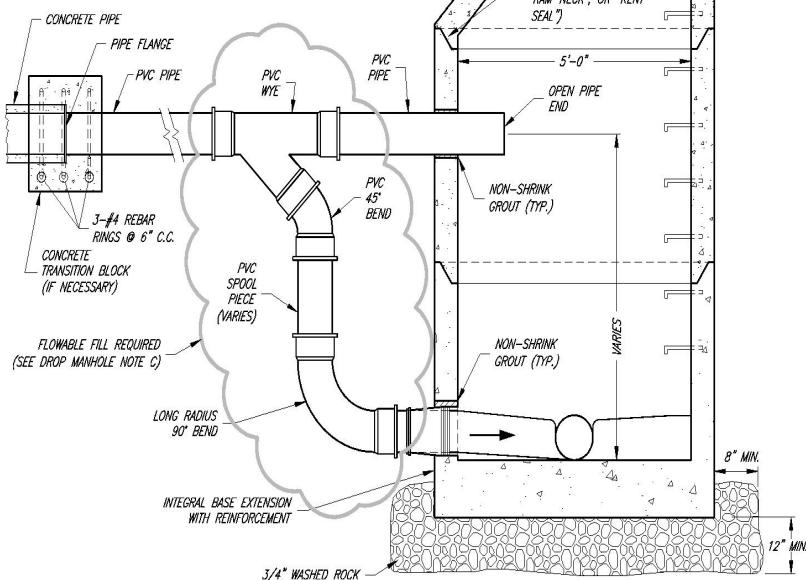


CLEARFIELD CITY CORPORATION
975 SOUTH AND 1480 WEST PROJECT

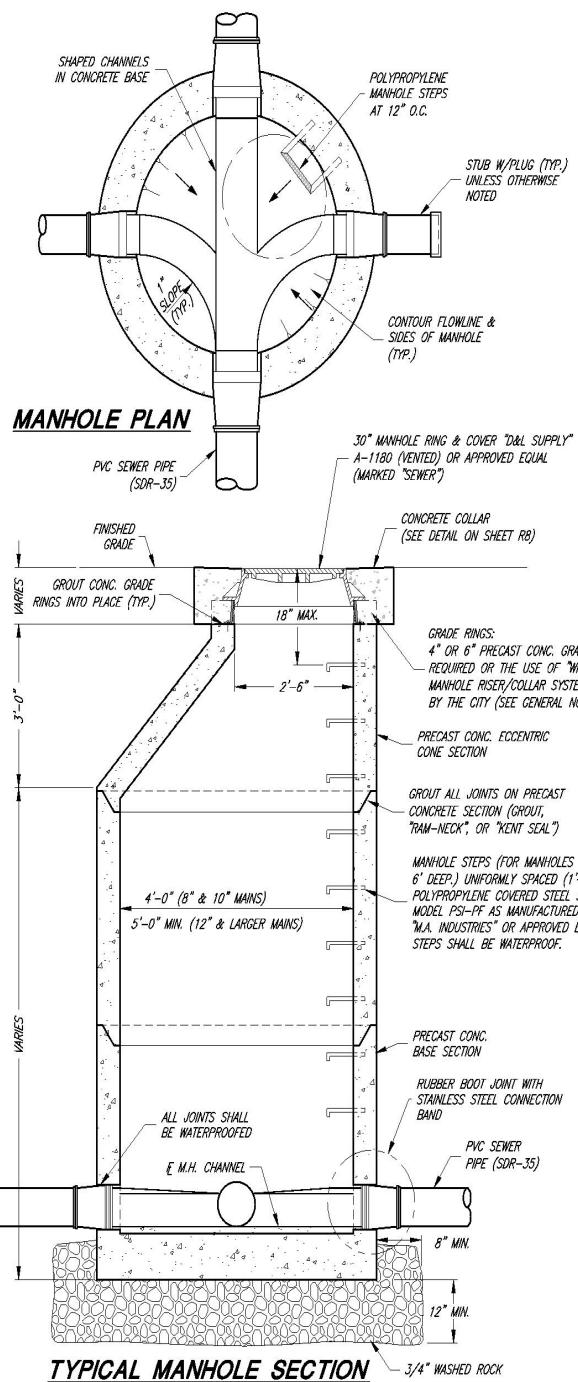
SEWER LATERAL & MAIN LINE CONNECTION DETAILS

DROP MANHOLE NOTES:

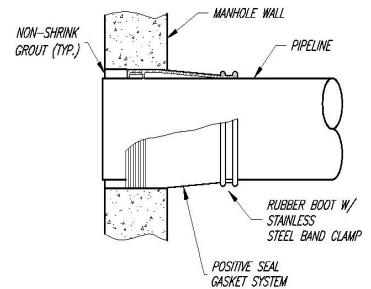
- A. USE DROP MANHOLE ONLY WHEN DROP EXCEEDS 2'-0" (UAC R317-3)
- B. DROP MANHOLE SHALL CONSIST OF ASTM D3034 SDR 35 PVC PIPE WITH SDR 35 PVC GASKETED FITTINGS.
- C. DUE TO THE UNEQUAL EARTH PRESSURES THAT WOULD RESULT FROM THE BACKFILLING OPERATION IN THE VICINITY OF THE MANHOLE, THE ENTIRE OUTSIDE DROP CONNECTIONS SHALL BE ENCASED IN CONCRETE. (UAC R317-3)
- D. DROP MANHOLES SHOULD BE USED ON STREETS WITH GRADES 8% OR GREATER OR AS OTHERWISE DIRECTED BY THE CITY.



TYPICAL DROP MANHOLE SECTION



TYPICAL MANHOLE SECTION



RUBBER BOOT DETAIL

NORTH DAVIS SEWER DISTRICT NOTE:
ANY SANITARY SEWER WORK DONE INVOLVING THE NORTH DAVIS SEWER DISTRICT (NDS) WILL REQUIRE WRITTEN APPROVAL FROM NDS AND MUST BE IN COMPLIANCE TO ALL NDS STANDARDS.

GENERAL NOTES:

1. SECURE INVERTS IN ALL MANHOLES DURING CONSTRUCTION SO AS TO PREVENT GRAVEL AND OTHER DEBRIS FROM COLLECTING INSIDE.
2. A LARGER DIAMETER MANHOLE MAY BE REQUIRED BY THE CITY AFTER EVALUATION OF THE NUMBER, SIZE, AND ANGLE OF THE PIPES THAT CONNECT TO THE MANHOLE.
3. NO MORE THAN 12" OF GRADE RINGS TO BE ALLOWED ON ANY MANHOLE.
4. ALL TERMINATING SEWER MAINS SHALL END WITH A CITY STANDARD MANHOLE.
5. SERVICE LATERAL CONNECTIONS SHALL NOT BE ALLOWED IN SEWER MANHOLES.
6. ALL SANITARY SEWER LINES SHALL BE INSPECTED BY MEANS OF VIDEO CAMERA AND AIR TESTED WHEN CONSTRUCTED. SEE APWA 33 08 00 AND CITY MODIFICATIONS FOR MORE INFORMATION.
7. WHERE THE DIFFERENCE IN ELEVATION BETWEEN THE INCOMING SEWER AND MANHOLE INVERT IS LESS THAN 24 INCHES, THE INVERT SHOULD BE FILLETED.
8. FLAT MANHOLE RINGS & COVERS (SLAB CONSTRUCTION) ARE NOT ALLOWED ON ANY MANHOLE CONE SECTION.
9. ALL SEWER MANHOLE COVERS TO BE VENTED UNLESS OTHERWISE NOTED.
10. GREASE INTERCEPTORS, OIL/WATER SEPARATORS, SAND INTERCEPTORS, ETC. TO BE CONSTRUCTED AND IN COMPLIANCE WITH ALL NORTH DAVIS SEWER DISTRICT STANDARDS.

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| City Engineer | |
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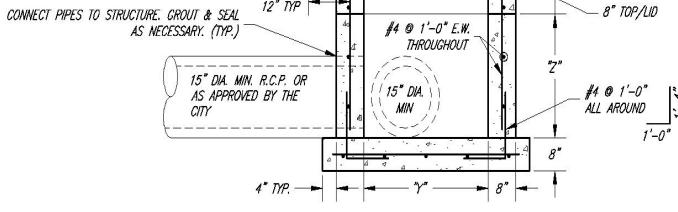
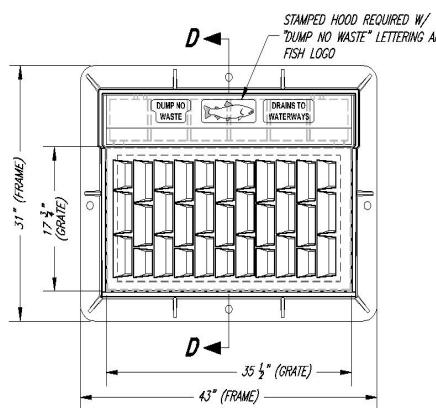
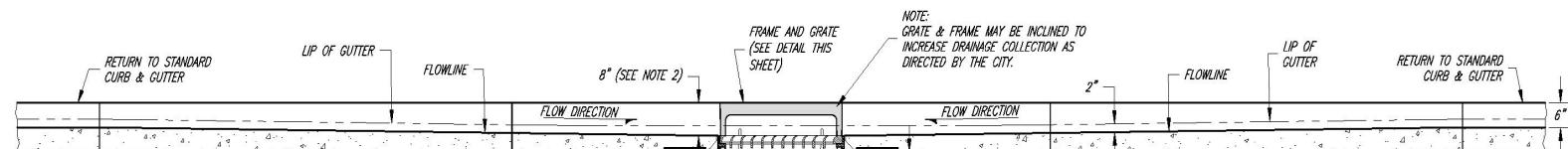
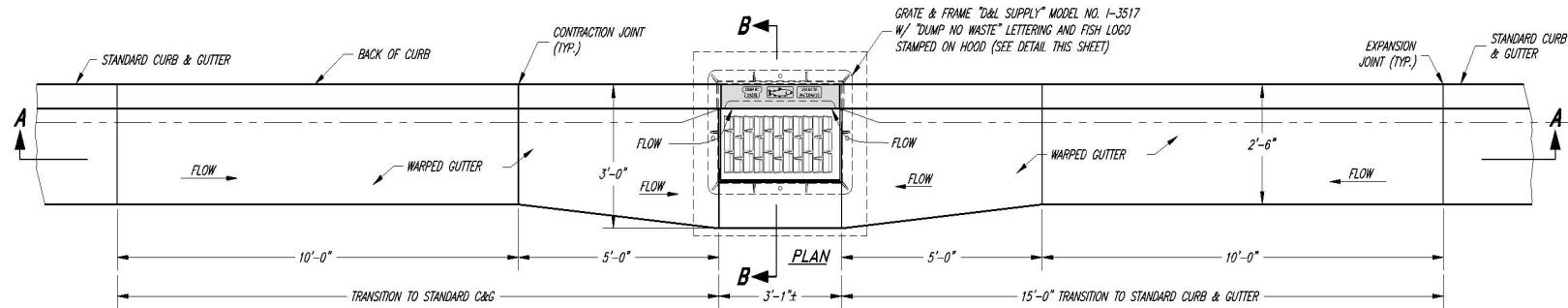
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SANITARY SEWER MANHOLE DETAILS

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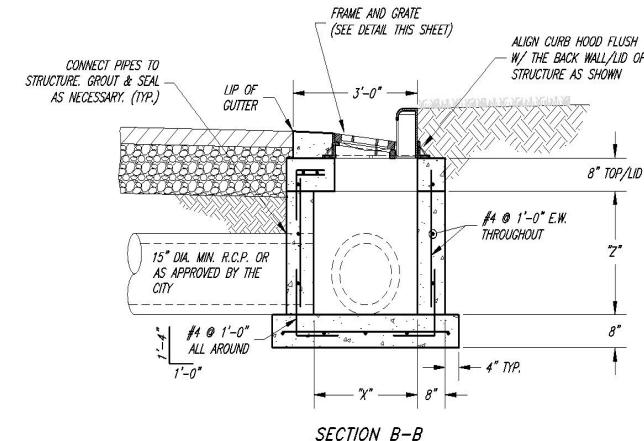
SINGLE HOODED CATCH BASIN

CURB HOOD INLET FRAME & TYPE "L" GRATE

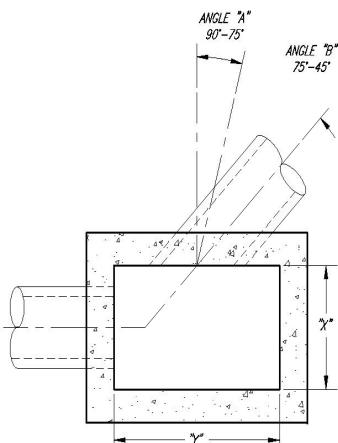
| "D&L SUPPLY" I-3517 | |
|---------------------|-----------|
| PRODUCT NUMBER: | |
| GRATE: | I-3517-02 |
| ADJ. HOOD: | I-3516-13 |
| FRAME: | I-3516-RB |

CURB HOOD NOTES:

A. 13 1/4" APPROXIMATE MAXIMUM HEIGHT FOR THE ADJUSTABLE HOOD.
 B. 9 8/9" APPROXIMATE MINIMUM HEIGHT FOR THE ADJUSTABLE HOOD.



| PIPE SIZE (IN.) | CATCH BASIN DIMENSION TABLE | | | |
|-----------------|-----------------------------|-------|-------|----------|
| | "X" | "Y" | "Y" | "Z" MIN. |
| 15 | 2'-6" | 3'-0" | 3'-0" | 2'-0" |
| 18 | 2'-6" | 3'-0" | 4'-0" | 2'-6" |
| 21 | 4'-0" | 4'-0" | 4'-0" | 3'-0" |
| 24 | 4'-0" | 4'-0" | 5'-0" | 3'-0" |
| 30 | 4'-0" | 4'-0" | 6'-0" | 3'-0" |
| 36 | 4'-0" | 5'-0" | 6'-0" | 4'-0" |
| 42 | 6'-0" | 6'-0" | 7'-0" | 5'-0" |
| 48 | 6'-0" | 6'-0" | 8'-0" | 5'-6" |



| | |
|-----------|-----------------|
| DATE | REV. DATE APPR. |
| 1/XX/2024 | |

SCALE:
N.T.S.



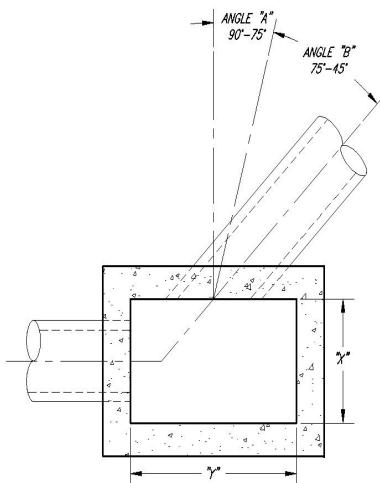
CONSULTING ENGINEERS
6080 Fashion Point Drive
South Ogden, Utah 84403 (801) 476-9767
www.jonescivil.com



CLEARFIELD CITY CORPORATION
975 SOUTH AND 1480 WEST PROJECT

SINGLE HOODED CATCH BASIN DETAILS

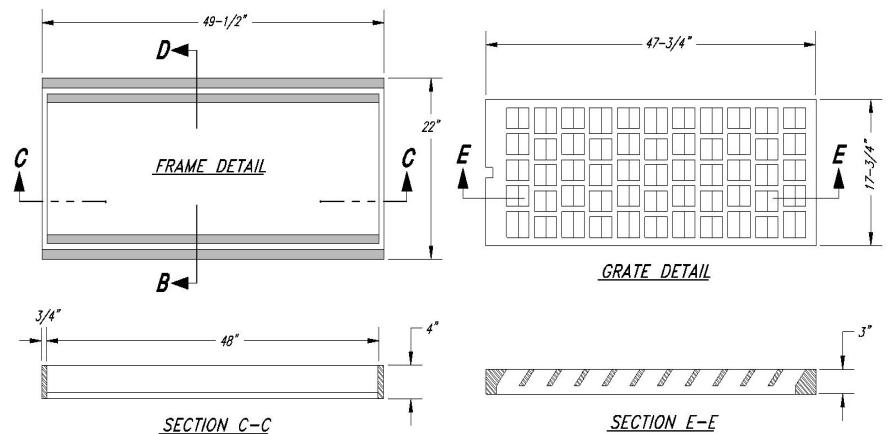
SD1
OF X SHEETS
0



| DRAINAGE DITCH INLET BOX DIMENSION TABLE | | | | |
|---|-----------|------------------------|------------------------|-------------------|
| PIPE SIZE (IN.) | "X" 15 | "Y" (ANGLE A) 18 | "Y" (ANGLE B) 21 | "Z" MIN. 24 |
| 2'-6" | 4'-0" | 4'-0" | 4'-0" | 2'-0" |
| 2'-6" | 4'-0" | 4'-0" | 4'-0" | 2'-6" |
| 4'-0" | 4'-0" | 4'-0" | 4'-0" | 3'-0" |
| 4'-0" | 4'-0" | 5'-0" | 5'-0" | 3'-0" |
| 4'-0" | 4'-0" | 6'-0" | 6'-0" | 3'-6" |
| 4'-0" | 4'-0" | 6'-0" | 6'-0" | 4'-0" |
| 6'-0" | 6'-0" | 7'-0" | 7'-0" | 5'-0" |
| 6'-0" | 6'-0" | 8'-0" | 8'-0" | 5'-6" |

GENERAL NOTE:

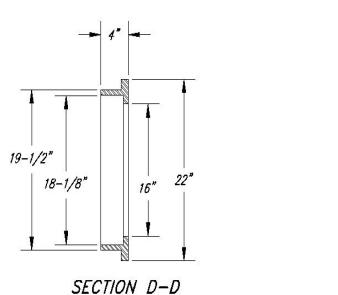
STORM DRAIN LINES SHALL BE 15 INCH MINIMUM DIAMETER REINFORCED CONCRETE PIPE (R.C.P.) OF APPROPRIATE CLASS.



FRAME & GRATE DETAILS

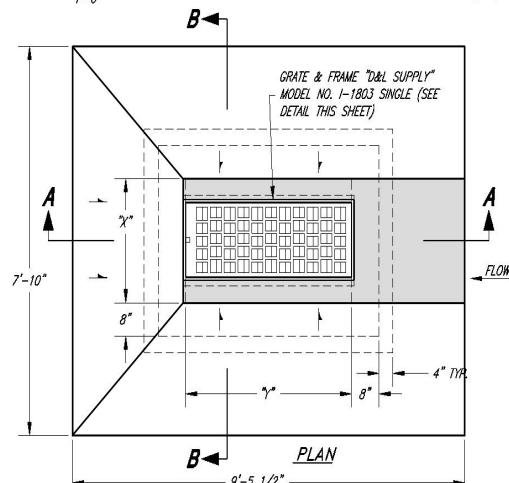
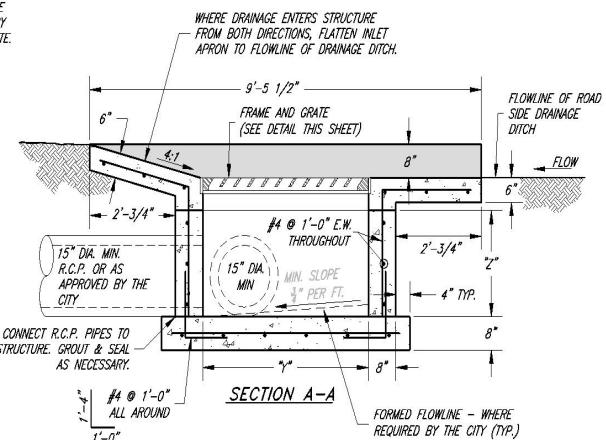
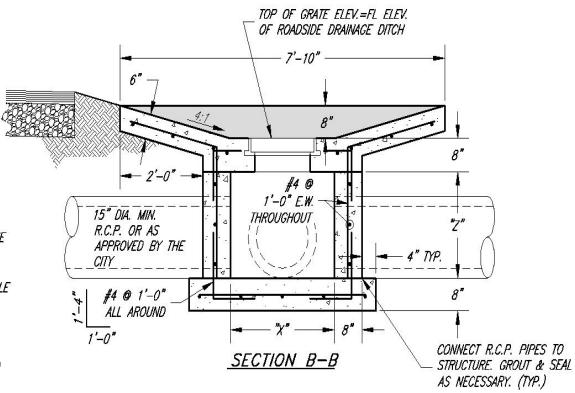
FRAME AND GRATE NOTES:

- A1. GRATE AND FRAME SHALL BE AS MANUFACTURED BY "D&L SUPPLY" I-1803
- B1. BICYCLE SAFE GRATE REQUIRED.
- C1. "OR EQUAL" GRATES AND FRAMES WILL BE CONSIDERED AS APPROVED BY THE CITY.



DRAINAGE BOX NOTES:

1. ALL BOX SIZES REFLECT DIMENSIONS FOR THE MINIMUM 15" PIPE SIZE. BOX DIMENSIONS MUST INCREASE PROPORTIONALLY TO ACCOMMODATE LARGER PIPE SIZES. (SEE TABLE THIS SHEET)
2. CAST-IN-PLACE CONCRETE STRUCTURES CAN BE REPLACED WITH PRECAST CONCRETE STRUCTURES WITH HL-93 DECK LOADING AND COMPARABLE SIZE.
3. ALL BOXES SHALL BE FORMED ON THE INSIDE AND OUTSIDE OF THE BOX AND INSPECTED BY THE CITY PRIOR TO THE PLACING OF CONCRETE.



DRAINAGE DITCH / SWALE INLET BOX

| | | |
|-----------|-----------|-------|
| DATE | REV. DATE | APPR. |
| 1/XX/2024 | | |

SCALE:
N.T.S.



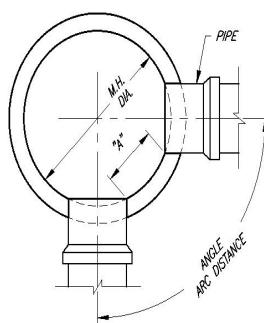
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CLEARFIELD CITY CORPORATION
975 SOUTH AND 1480 WEST PROJECT
DRAINAGE INLET BOX AND GENERAL GRATE & FRAME DETAILS

SD3
OF X SHEETS
0

| MH SIZE | IN-LINE M.H. ANGLE | PIPE SIZES | | | | | | | | | | |
|------------|-----------------------|------------|---------|---------|---------|---------|---------|---------|---------|-----|-----|-----|
| | | 180° | 90° | 85° | 80° | 75° | 70° | 65° | 60° | 55° | 50° | 45° |
| 48 M.H. | 15°-24° | 15°-18° | 15°-18° | 15° | 15° | -- | -- | -- | -- | -- | -- | -- |
| 56 M.H. | 27°-30° | 21°-24° | 21°-24° | 18°-21° | 18°-21° | 15°-18° | 15°-18° | 15° | -- | -- | -- | -- |
| 64 M.H. | 36°-48° | 27°-30° | 27°-30° | 24°-27° | 24° | 21°-24° | 21° | 18° | 15°-18° | 15° | -- | -- |
| 72 M.H. | 54° | 36° | 36° | 30° | 27°-30° | 27° | 24° | 21°-24° | 21° | 18° | 15° | -- |
| 84 M.H. | 60° | 42° | 42° | 36° | 36° | 30° | 27°-30° | 27° | 24° | 21° | 18° | -- |

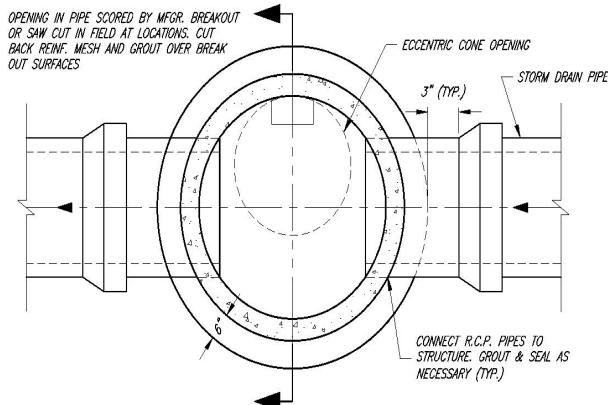


MANHOLE SIZING NOTES:

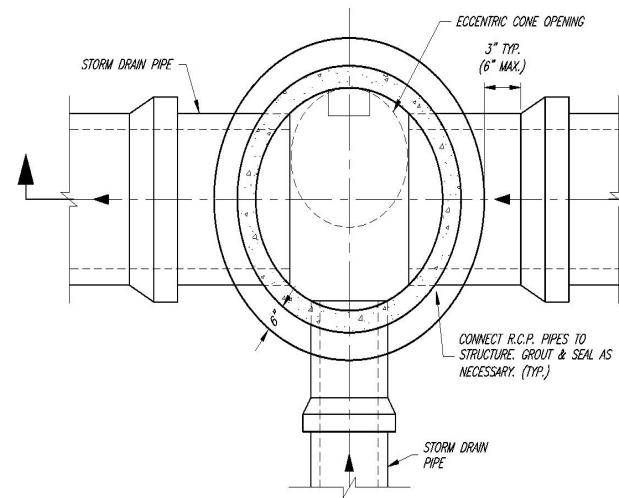
- SUGGESTED "A" DISTANCE IS 6" OR GREATER FOR 48", 60" AND 72" DIAMETER MANHOLES
- SUGGESTED "A" DISTANCE IS 8" OR GREATER FOR 84" AND 96" DIAMETER MANHOLES

GENERAL NOTES:

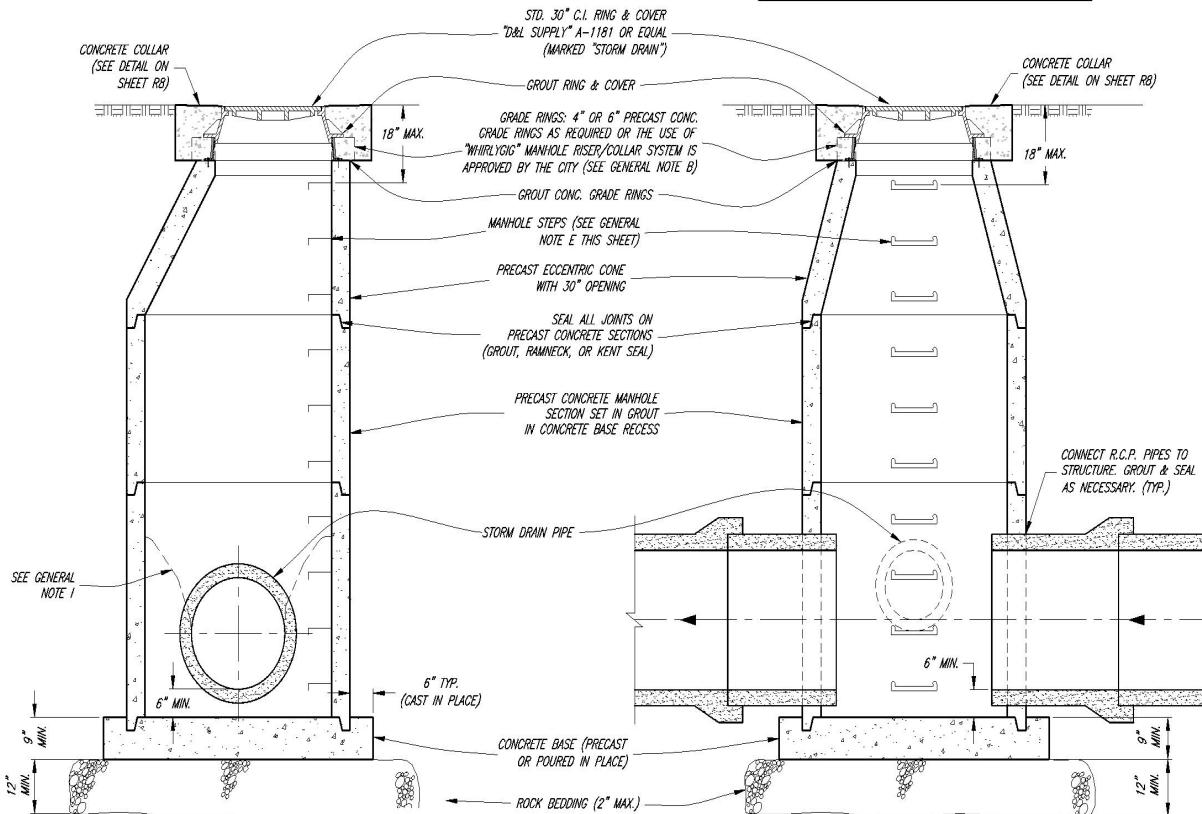
- LARGER DIAMETER MANHOLE MAY BE REQUIRED BY THE CITY ENGINEER AFTER EVALUATION OF THE NUMBER, SIZE, AND ANGLE OF THE PIPES THAT CONNECT TO THE MANHOLE.
- NO MORE THAN 12" OF GRADE RINGS TO BE ALLOWED ON ANY MANHOLE.
- PLYWOOD COVERS SHALL BE USED AT MANHOLE FLOOR TO COVER FLOWLINE DURING CONSTRUCTION AND MAINTENANCE ACTIVITIES.
- ALL INTERIOR JOINTS SHALL BE SMOOTH AND EVENLY GROUTED WITH NON-SHRINK GROUT MIX.
- MANHOLE STEPS UNIFORMLY SPACED (1'-0" MAX) ON ALL MANHOLES. POLYPROPYLENE COVERED STEEL STEPS, MODEL PSI-PF AS MANUFACTURED BY "M.A. INDUSTRIES" OR APPROVED EQUAL - INSTALLATION OF STEPS SHALL BE WATERPROOF.
- STORM DRAIN LINES SHALL BE 15 INCH MINIMUM DIAMETER REINFORCED CONCRETE PIPE (RCP), OF APPROPRIATE CLASS.
- FLAT MANHOLE RINGS & COVERS (SLAB CONSTRUCTION) ARE NOT ALLOWED ON ANY MANHOLE CONE SECTION.
- THE USE OF STORM DRAIN UTILITY VALVES (ROVES) WITH STD. 30" C.I. RING & COVER ("D&L SUPPLY" A-1181 MARKED "STORM DRAIN") AND A CONCRETE COLLAR IS ACCEPTED WHEN APPROVED BY THE CITY.
- CONTOUR THE FLOWLINE & SIDES OF ANY LINE OR JUNCTION MANHOLES WHEN DIRECTED BY THE CITY.



TYPICAL LINE MANHOLE



TYPICAL JUNCTION MANHOLE





STAFF REPORT

TO: Mayor Shepherd and City Council Members

FROM: Kenny England, Water Superintendent

MEETING DATE: April 30, 2024

SUBJECT: Discussion of the Annual Wastewater Report

RECOMMENDED ACTION

Discussion to review and approve the Annual Wastewater Management Report for Clearfield City.

DESCRIPTION / BACKGROUND

The State of Utah, Division of Water Quality requires each jurisdiction that has a sanitary sewer collection system to establish a Management Plan for the operations and maintenance of the sanitary sewer system.

Some of the key elements contained in the Annual Wastewater Management Report are:

- General information and operations of the city's sanitary sewer system.
- Sewer system's financial evaluation, fiscal sustainability, new development, and overall system condition evaluation.

CORRESPONDING POLICY PRIORITIES

- Providing Quality Municipal Services

FISCAL IMPACT

None

LIST OF ATTACHMENTS

- Municipal Wastewater Planning Program (MWPP) Annual Report 2023

From: [Google Forms](#)
To: [Kenny England](#)
Subject: Full MWPP Survey - 2024
Date: Monday, April 15, 2024 4:09:13 PM



Thanks for filling out [Full MWPP Survey - 2024](#)

Here's what was received.

[Edit response](#)

Full MWPP Survey - 2024

Municipal Wastewater Planning Program survey for 2024.

Email *

kenny.england@clearfieldcity.org

Section I: General Information

Name of the Facility? *

Clearfield City

What is the name of the person responsible for this organization?

*

Kenny England

What is the title of the person responsible for this organization? *

Utility Superintendent

What is the email Address for the person responsible for this organization? *

kenny.england@clearfieldcity.org

What is the phone number for the person responsible for this organization? *

8015254430

Facility Location? *

Please provide either Longitude and Latitude, address, or a written description of the location (with area or point).

55 S. State Street Clearfield Utah 84015

Federal Facility Section

Are you a federal facility?

A federal facility is a military base, a national park, a facility associated with the forest service, etc.

Yes

No

Financial Evaluation Section

This form is completed by [name]? *

Rich Knapp

Part I: GENERAL QUESTIONS

Please answer the following questions regarding GENERAL QUESTIONS.

Are sewer revenues maintained in a dedicated purpose enterprise/district account?

Yes

No

Are you collecting 95% or more of your anticipated sewer revenue?

*

Yes

No

Are Debt Service Reserve Fund requirements being met?

Yes

No

Where are sewer revenues maintained?

General Fund

—

Combined Utilities Fund

Other

What was the average annual User Charge for 2023?

If there is more than one rate divide the total municipal yearly User Charge collected, by the total number of connections.

\$35.16

Do you have a water and/or sewer customer assistance program (CAP)?

Yes

No

Part II: OPERATING REVENUES AND RESERVES

Please answer the following questions regarding OPERATING REVENUES AND RESERVES.

Are property taxes or other assessments applied to the sewer systems?

Yes

No

Revenue from these taxes =

None

Are sewer revenues sufficient to cover operations & maintenance costs, and repair & replacement costs (OM&R) at this time?

Yes

No

Are projected sewer revenues sufficient to cover operation, maintenance, and repair (OM&R) costs for the next five years?

Yes

No

Does the sewer system have sufficient staff to provide proper OM&R?

Yes

No

Has a repair and replacement sinking fund been established for the sewer system?

Yes

No

Is the repair & replacement sinking fund sufficient to meet anticipated needs?

Yes

No

Part III: Capital Improvements, Revenues and Reserves.

Please answer the following questions regarding Capital Improvements, Revenues and Reserves.

Are sewer revenues sufficient to cover all costs of current capital improvements projects?

- Yes
- No

Has a Capital Improvements Reserve Fund been established to provide for anticipated capital improvement projects?

- Yes
- No

Are projected Capital Improvements Reserve Funds sufficient for the next five years?

- Yes
- No

Are projected Capital Improvements Reserve Funds sufficient for the next ten years?

- Yes
- No

Are projected Capital Improvements Reserve Funds sufficient for the next twenty years?

- Yes
- No

Part IV: FISCAL SUSTAINABILITY REVIEW

Please answer the following questions regarding FISCAL SUSTAINABILITY REVIEW.

Have you completed a rate study within the last five years?

Yes

No

Do you charge Impact fees?

Yes

No

Impact Fee (if not a flat fee, use average of all collected fees) =

\$41 per drainage fixture unit.

Have you completed an impact fee study in accordance with UCA 11-36a-3 within the last five years?

Yes

No

Do you maintain a Plan of Operations?

Yes

No

Have you updated your Capital Facility Plan within the last five years?

Yes

No

In what year was the Capital Facility Plan last updated?

2023

Do you use an Asset Management system for your sewer systems?

Yes

No

Do you know the total replacement cost of your sewer system capital assets?

Yes

No

Replacement Cost =

\$23,000,000

Do you fund sewer system capital improvements annually with sewer revenues at 2% or more of the total replacement cost?

Yes

No

What is the sewer/treatment system annual asset renewal cost as a percentage of its total replacement cost?

1.5%

Describe the Asset Management System.

Check all that apply

- Spreadsheet
- GIS
- Accounting Software
- Specialized Software

Please answer the following: - 2023 Capital Assets Cumulative Depreciation?

\$600K

Please answer the following: - 2023 Capital Assets Book Value?

Book Value = total cost - accumulated depreciation

\$9,400,000

Part V: PROJECTED CAPITAL INVESTMENT COSTS

Please answer the following questions regarding PROJECTED CAPITAL INVESTMENT COSTS.

Cost of projected capital improvements - Please enter a valid numerical value.
- 2023?

\$1,261,000

Cost of projected capital improvements - Please enter a valid numerical value.
- 2024 through 2028?

\$2,640,500

Cost of projected capital improvements - Please enter a valid numerical value.
- 2029 through 2033?

\$3,200,000

Cost of projected capital improvements - Please enter a valid numerical value.
- 2034 through 2038?

\$3,400,000

Cost of projected capital improvements - Please enter a valid numerical value.
- 2039 through 2043?

\$3,600,000

Purpose of Capital Improvements - 2023?

Check all that apply.



Replace/Restore

- New Technology
- Increased Capacity

Purpose of projected Capital Improvements - 2024 through 2028?

Check all that apply.

- Replace/Restore
- New Technology
- Increased Capacity

Purpose of projected Capital Improvements - 2029 through 2033?

Check all that apply.

- Replace/Restore
- New Technology
- Increased Capacity

Purpose of projected Capital Improvements - 2034 through 2038?

Check all that apply.

- Replace/Restore
- New Technology
- Increased Capacity

Purpose of projected Capital Improvements from 2039 through 2043?

Check all that apply.

- Replace/Restore

New Technology

Increased Capacity

To the best of my knowledge, the Financial Evaluation section is completed and accurate.

True

False

Note: This questionnaire has been compiled for your benefit to assist you in evaluating the technical and financial needs of your wastewater systems. If you received financial assistance from the Water Quality Board, annual submittal of this report is a condition of the assistance. Please answer questions as accurately as possible to give you the best evaluation of your facility. If you need assistance please send an email to wqinfodata@utah.gov and we will contact you as soon as possible. You may also visit our Frequently Asked Questions page.

Do you have a collection system?

The answer to this question is obvious in most cases, but for clarification, some wastewater systems consist of only wastewater collections (answer Yes). Some wastewater systems do not have a collection system but receive wastewater from separate collection system jurisdictions (answer No). Some wastewater systems have treatment and collections and consider their entire system as one entity (answer Yes). Some wastewater systems have treatment and collections, but consider their collections a separate entity from treatment (answer No). If you have treatment but have an independent collection system and you answered "No," you must enter your collection system separately as an independent response to the survey.

Yes

No

Collection System

The collection of wastewater in a system of pipes and possibly pump stations that deliver wastewater to a

treatment system that may or may not be independent of the treatment system.

This form is completed by [name]?

The person completing this form may receive Continuing Education Units (CEUs).

Kenny England

Part I: SYSTEM DESCRIPTION

Please answer the following questions regarding SYSTEM DESCRIPTION.

What is the largest diameter pipe in the collection system?

Please enter the diameter in inches.

15"

What is the average depth of the collection system?

Please enter the depth in feet.

5'

What is the total length of sewer pipe in the collection system?

Please enter the length in miles.

86 miles

How many lift/pump stations are there in the collection system?

0

What is the largest capacity lift/pump station in the collection system?

Please enter the design capacity in gpm.

N/A

Do seasonal daily peak flows exceed the average peak daily flow by 100 percent or more?

Yes

No

What year was your collection system first constructed (approximately)?

1940

In what year was the largest diameter sewer pipe in the collection system constructed, replaced or renewed?

If more than one, cite the oldest.

2013

Part II: DISCHARGES

Please answer the following questions regarding DISCHARGES.

How many days last year was there a sewage bypass, overflow or basement flooding in the system due to rain or snowmelt?

0

How many days last year was there a sewage bypass, overflow or basement flooding due to equipment failure (except plugged laterals)?

0

Sanitary Sewer Overflow (SSO)

Class 1 - a Significant SSO means a SSO backup that is not caused by a private lateral obstruction or problem that:

- (a) affects more than five private structures;
- (b) affects one or more public, commercial or industrial structure(s);
- (c) may result in a public health risk to the general public;
- (d) has a spill volume that exceeds 5,000 gallons, excluding those in single private structures; or
- (e) discharges to Waters of the State.

Class 2 - a Non-Significant SSO means a SSO or backup that is not caused by a private lateral obstruction or problem that does not meet the Class 1 SSO criteria

What is the number of Class 1 SSOs in Calendar year 2023?

0

What is the number of Class 2 SSOs in Calendar year 2023?

4

Please indicate what caused the SSO(s) in the previous question.

A couple of backups due to roots in main line, or grease in main lines.

Please specify whether the SSOs were caused by contract or tributary community, etc.

No

Part III: NEW DEVELOPMENT

Please answer the following questions regarding NEW DEVELOPMENT.

Did an industry or other development enter the community or expand production in the past two years, such that flow or wastewater loadings to the sewerage system increased by 10% or more?

Yes

No

Are new developments (industrial, commercial, or residential) anticipated in the next 2 - 3 years that will increase flow or BOD5 loadings to the sewerage system by 25% or more?

Yes

No

What is the number of new commercial/industrial connections in 2023?

14

What is the number of new residential sewer connections added in 2023?

122

How many equivalent residential connections are served?

275

Part IV: OPERATOR CERTIFICATION

Please answer the following questions regarding OPERATOR CERTIFICATION.

How many collection system operators do you employ?

7

What is the approximate population served?

33,540

State of Utah Administrative Rules require all public system chief operators considered to be in Direct Responsible Charge (DRC) to be appropriately certified at no less than the Facility's Grade. List the designated Chief Operator/DRC for the Collection System by: First and Last Name, Grade, and email.

Grades: Grade I, Grade II, Grade III, and Grade IV.

Kenny England, Grade IV, kenny.england@clearfieldcity.org

Please list all other Collection System operators with DRC responsibilities in the field, by name and certification grade. Please separate names and certification grade for each operator by commas.

Grades: Grade I, Grade II, Grade III, and Grade IV.

Adam Favero, Grade IV

Please list all other Collection System operators by name and certification grade. Please separate names and certification grades for each operator by commas.

Grades: Grade I, Grade II, Grade III, and Grade IV.

Adaon Fish, Grade IV, Thadd Layton, Grade IV Dan Ross, Grade IV Dayton Newell, Grade IV Jake Peterson, Grade IV

Is/are your collection DRC operator(s) currently certified at the appropriate grade for this facility?

Yes

No

Part V: FACILITY MAINTENANCE

Please answer the following questions regarding FACILITY MAINTENANCE.

Have you implemented a preventative maintenance program for your collection system?

Yes

No

Have you updated the collection system operations and maintenance manual within the past 5 years?

Yes

No

Do you have a written emergency response plan for sewer systems?

Yes

No

Do you have a written safety plan for sewer systems?

Yes

No

Is the entire collections system TV inspected at least every 5 years?

Yes

No

Is at least 85% of the collections system mapped in GIS?

Yes

No

Part VI: SSMP EVALUATION

Please answer the following questions regarding SSMP EVALUATION.

Have you completed a Sewer System Management Plan (SSMP)?

Yes

No

Has the SSMP been adopted by the permittee's governing body at a public meeting?

Yes

No

Has the completed SSMP been public noticed?

Yes

No

SSMP Public Notice Date

Date of public notice?

MM DD YYYY

05 / 07 / 2024

Continue 1

During the annual assessment of the SSMP, were any adjustments needed based on the performance of the plan?

Yes

No

What adjustments were made to the SSMP (i.e. line cleaning, CCTV inspections, manhole inspections, and/or SSO events)?

None

During 2023, was any part of the SSMP audited as part of the five year audit?

Yes

No

If yes, what part of the SSMP was audited and were changes made to the SSMP as a result of the audit?

None

Have you completed a System Evaluation and Capacity Assurance Plan (SECAP) as defined by the Utah Sewer Management Plan?

Yes

No

Part VII: NARRATIVE EVALUATION

Please answer the following questions regarding NARRATIVE EVALUATION.

Describe the physical condition of the sewerage system: (lift stations, etc. included)

Gravity fed sewer lines that flow to North Davis Sewer.

What sewerage system capital improvements does the utility need to implement in the next 10 years?

Freeport Center G Street upgrade. Phase 1,2, and 3.

What sewerage system problems, other than plugging, have you had over the last year?

Roots, and grease.

Is your utility currently preparing or updating its capital facilities plan?

Yes

No

Does the municipality/district pay for the continuing education expenses of operators?

100%

Partially

Does not pay

Is there a written policy regarding continued education and training for wastewater operators?

Yes

No

Do you have any additional comments?

No.

To the best of my knowledge, the Collections System section is completed and accurate



True

False

Note: This questionnaire has been compiled for your benefit to assist you in evaluating the technical and financial needs of your wastewater systems. If you received financial assistance from the Water Quality Board, annual submittal of this report is a condition of the assistance. Please answer questions as accurately as possible to give you the best evaluation of your facility. If you need assistance please send an email to wqinfodata@utah.gov and we will contact you as soon as possible. You may also visit our Frequently Asked Questions page.

Wastewater Treatment Options

You have either just completed or just bypassed questions about a Collection System. This section (the questions below) determines the next set of questions that you will be presented based on the choice you make for treatment.

What kind of wastewater treatment do you have in your wastewater treatment system?

If you have treatment, you must choose from Mechanical Plant, Discharging Lagoon, or Non-Discharging Lagoon. If you don't have treatment then choose "No Treatment." Choose only one answer.

- Mechanical Plant
- Discharging Lagoon
- Non-Discharging Lagoon
- No Treatment of Wastewater

Adopt & Sign

I have reviewed this report and to the best of my knowledge the information

provided in this report is correct. *

True

False

Has this been adopted by the City Council or District Board? *

yes

No

Not Adopted by Council

What date will it be presented to the City Council or District Board? *

MM DD YYYY

05 / 07 / 2024

End of Survey

This is the end of the survey. Please make sure you have submitted your responses for each section. Thank you for your participation.

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