

ITEM NO

MEETING DATE

May 24, 2017

STAFF

Ryan Mounce

ADMINISTRATIVE HEARING OFFICER

STAFF REPORT

PROJECT: Faith Family Hospitality Transitional House,

PDP160044

APPLICANT: Annette Zacharias

Faith Family Hospitality

300 E. Oak Street

Fort Collins, CO 80524

OWNER: City of Fort Collins

PO Box 580

Fort Collins, CO 80522

PROJECT DESCRIPTION:

This is a request for consideration of a Project Development Plan (PDP) to use a City-owned structure as a group home for families transitioning out of homelessness. Up to 21 residents and an on-site manager are proposed to be housed within the existing 8,974 square foot building. No additions or exterior alterations are proposed beyond the repair or replacement of damaged or worn exterior features and materials. An existing garage located on the rear of the lot will be removed and replaced with a parking lot for six vehicles along with associated alley, stormwater, and drainage improvements. The project site is located on two lots totaling .44 acres at 317 and 321 South Sherwood Street in the Neighborhood Conservation Medium Density (NCM) zone district.

Three Modification of Standard requests accompany the proposal, the first two to Sections 4.8(D)(2)(4) and 4.8(E)(4) of the Land Use Code related to the size (floor area) and height of the existing building, and the third to Section 3.8.6(B) of the Land Use Code to increase the maximum number of group home residents and decrease separation distances from another nearby group home.

RECOMMENDATION:

Staff recommends approval of the requested Modification of Standards to Sections 4.8(D)(2)(4), 4.8(E)(4), and 3.8.6(B) of the Land Use Code, and approval of the Faith Family Hospitality Transitional House, PDP160044.

EXECUTIVE SUMMARY:

The Faith Family Hospitality Transitional House Project Development Plan complies with the applicable requirements of the City of Fort Collins Land Use Code, more specifically:

- The Project Development Plan complies with process located in Division 2.2 Common Development Review Procedures for Development Applications of Article 2 – Administration.
- The Project Development Plan complies with relevant standards of Article 3 General Development Standards, with the exception of Section 3.8.6(B), to which a Modification of Standard has been requested.
- The Project Development Plan complies with relevant standards located in Division 4.8 Neighborhood Conservation Medium Density District (N-C-M) of Article 4 – Districts, with the exception of Sections 4.8(D)(2)(4) and 4.8(E)(4), to which Modification of Standards have been requested.

COMMENTS:

1. Background

The project is located on two lots at 317 and 321 S. Sherwood Street, west of Downtown Fort Collins. The two lots originally featured single family homes constructed in the early 1900s (317 S. Sherwood) and the 1920s (321 S. Sherwood), and remained as private residences for many decades.

In the 1980s, the City of Fort Collins purchased and then leased the properties to Crossroads Safehouse, a domestic violence shelter. A central addition connecting the two buildings was completed in 1987. Further additions and modifications throughout the 1980s and 1990s would expand the building to its present size of 8,974 square feet and 16 bedrooms.

Crossroads Safehouse remained at the site until 2011 when it moved to a larger facility. Since Crossroads' departure, the building and site have remained vacant. Although the safehouse occupied the site as a group home, due to the abandonment of the use for more than 12-months, a future group home at this location requires new land use approval. In restablishment of the group home is approved, City Council must also separately agree to a lease agreement for the operator, Faith Family Hospitality.

Previous funding for the safehouse and building upgrades came from the Community Development Block Grant (CDBG) program, which placed time-limited restrictions on how the properties could be used or divested. These restrictions ended in 2014 and the City then began exploring potential options for the property, such as a lease or sale to another social service provider. In 2014, 2015, and 2016, neighborhood meetings and

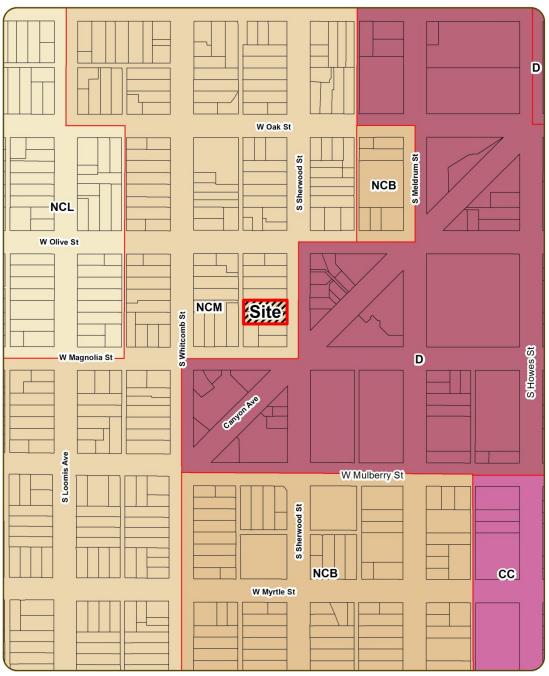
open houses invited neighbors and service providers to provide input on the properties, and indicated some interest in a continued social service use at this location. Meeting summaries from these events are included as an attachment to this staff report.

The surrounding zoning and land uses are as follows:

Direction	Zone District	Existing Land Uses
North	Neighborhood Conservation Medium Density (N-C-M)	Single-family residential
South	Neighborhood Conservation Medium Density (N-C-M), Downtown (D)	Single-family or small multifamily residential, office, retail
East	Downtown (D)	Single-family residential, office
West	Neighborhood Conservation Medium Density (N-C-M)	Single-family residential

A zoning vicinity map is presented on the following page:

Site & Zoning Vicinity Map



1 inch = 300 feet

Faith Family Hospitality
Transitional House



2. <u>Compliance with Article 4 of the Land Use Code – Neighborhood</u> Conservation Medium Density (N-C-M), Division 4.8:

The project complies with all applicable Article 4 standards as follows:

A. Section 4.8(B) – Permitted Uses

The proposed land-use is classified as a group-home (large group care facility), a permitted use in the NCM district, subject to Administrative (Type 1) review.

The proposal calls for the housing of homeless families in a planned facility with individual family living quarters (connected bedrooms) and shared living spaces such as bathrooms, kitchens, living rooms and play-spaces for children. An on-site resident manager will be located on site and residents will participate in financial support and educational services.

The Land Use Code definition of a group home was recently updated in response to new group home applications, including the Faith Family Hospitality Transitional House, which feature the primary aspects of a typical group home land use, such as communal living spaces, support services, and on-site management, but which are not licensed by a governmental agency, a requirement under the prior definition.

While the former group home definition lists many types of group homes, including for homelessness, specific language stated such facilities must be "licensed by or operated by a governmental agency." The updated definition now includes the language, "licensed by or operated by a governmental agency, or by an organization that is equally qualified as a government agency and having a demonstrated capacity for oversight as determined by the Director..."

Faith Family Hospitality, the proposed operator of the group home has been operating a similar program transitioning families out of homelessness through a partner network of community churches, whereby families move week-to-week from one church to another. Their program has been underway for several years, receives oversight from a board and donor network, and has developed stringent resident entrance screening requirements, demonstrating as an organization their capability to operate a group home. As property owner for the site, the City of Fort Collins can also provide oversight and responsibility for operation and maintenance of the site as the property owner.

As the Land Use Code amendment altering the group home definition was recently adopted, the physical and online versions of the Land Use Code

are not yet updated with the new language. A copy of the signed City Council ordinance is attached to this report.

B. Section 4.8(D)(1) – Required Lot Area

The group home is located on two parcels totaling 19,000 square feet (.44 acres), greater than the minimum 6,000 square foot lot size required for all uses other than single-family dwellings in the NCM zone district.

C. Section 4.8(D)(2)(a)(4) – Allowable Floor Area on Lots

The allowable floor area for uses other than single-family dwellings in the NCM zone district is limited to 40% of the lot area, or 7,600 square feet on a 19,000 square foot lot. A modification of standard has been requested as the existing building proposed to house the group home exceeds the standard at 8,974 square feet in size.

Land Use Code Modification of Standard Criteria

The decision maker may grant a modification of standard only if it finds that the granting of the modification would not be detrimental to the public good, and that:

- (1) the plan as submitted will promote the general purpose of the standard for which the modification is requested equally well or better than would a plan which complies with the standard for which a modification is requested; or
- (2) the granting of a modification from the strict application of any standard would, without impairing the intent and purpose of this Land Use Code, substantially alleviate an existing, defined and described problem of city-wide concern or would result in a substantial benefit to the city by reason of the fact that the proposed project would substantially address an important community need specifically and expressly defined and described in the city's Comprehensive Plan or in an adopted policy, ordinance or resolution of the City Council, and the strict application of such a standard would render the project practically infeasible; or
- (3) by reason of exceptional physical conditions or other extraordinary and exceptional situations, unique to such property, including, but not limited to, physical conditions such as exceptional narrowness, shallowness or topography, or physical conditions which hinder the owner's ability to install a solar energy system, the strict application of the standard sought to be modified would result in unusual and exceptional practical difficulties, or exceptional or undue hardship upon the owner of such property, provided that such difficulties or hardship are not caused by the act or omission of the applicant; or

(4) the plan as submitted will not diverge from the standards of the Land Use Code that are authorized by this Division to be modified except in a nominal, inconsequential way when considered from the perspective of the entire development plan, and will continue to advance the purposes of the Land Use Code as contained in Section 1.2.2.

Any finding made under subparagraph (1), (2), (3) or (4) above shall be supported by specific findings showing how the plan, as submitted, meets the requirements and criteria of said subparagraph (1), (2), (3) or (4)."

Summary of Applicant's Justification:

The applicant's modification of standard narrative focuses on the size of the structure as an existing condition and that the size and appearance is similar to other buildings located on the same block, especially when viewed from the front. Further, the City has plans and policies in place to support the development of housing options and services for the homeless as part of the Affordable Housing Strategic Plan, and the proposed group home would result in a defined community benefit. The applicant's complete modification of standard request can be found as an attachment to this staff report.

Staff Analysis & Findings:

Staff finds the applicant's modification request is justified by the applicable standards of Land Use Code Section 2.8.2(H)(2), and that the granting of the modification would not be detrimental to the public good.

Criteria 2.8.2(H)(2)

The Fort Collins Affordable Housing Strategic Plan, adopted in 2015, identifies policies to support housing, programs, and services designed to help groups which may not be adequately served by market-driven development. *Policy 4.3, Increase Housing and Associated Supportive Services for People with Special Needs*, specifically lists homelessness as a category the City can help support to generate additional supply of housing options and services.

One objective of this policy states the City should, "continue to encourage the development of programs that meet the housing and supportive services needs of populations within the identified special needs categories." The group home will offer low-cost housing options for families transitioning out of homelessness as well as supportive services to help families become self-sufficient and find permanent housing in the future.

Although the proposed group home building is larger than what current standards permit, locating the group home in an existing building that was specifically modified in the past to support group-living will help meet the policies and objectives of the City as outlined in the Affordable Housing Strategic Plan. The use of the large structure is not detrimental to the public

good as it is an existing non-conforming building built prior to stricter floor area requirements that went into effect in the 2013. No additions are proposed that would enlarge the structure as part of the proposal.

D. Section 4.8(D)(3) – Allowable Floor Area on Rear Half of Lots

Up to 33% of the size of the rear half of the lot may be used as floor area in the NCM district. The existing building contains 1,369 square feet on the rear half of the lot, less than the maximum 3,135 square feet indicated by this standard.

E. Section 4.8(E) – Dimensional Standards

The proposal is located on lots that meet standards for a minimum lot width of 50-ft for uses other than a single family home, a minimum front yard setback of 15-ft, and minimum rear yard setback from an alley of 5-ft.

F. Section 4.8(E)(4) – Minimum Side Yard and Maximum Wall Height

This code section requires a minimum interior side yard setback of 5-ft. In addition, if portions of the building height at the side yard setback are greater than 18-feet, an additional one foot of setback distance is required for every two feet or fraction thereof of building height.

The existing structure meets the minimum 5-ft side yard setback on the north side of the property; however, portions of the building height at the side yard setback along the southern property line are approximately 21.5-ft tall, requiring an 8-ft side yard setback, while the current structure's setback is 7-ft. As the existing building is out of compliance, the proposal includes a modification of standard request to this requirement.

Land Use Code Modification of Standard Criteria

The criteria for the granting of a modification of standard can be found on page 7 of the staff report.

Summary of Applicant's Justification:

The applicant's modification of standard narrative focuses on the size of the structure as an existing condition and that the size and appearance is similar to other buildings located on the same block, especially when viewed from the front. Further, the City has plans and policies in place to support the development of housing options and services for the homeless as part of the Affordable Housing Strategic Plan, and the proposed group home would result in a defined community benefit. The applicant's complete modification of standard request can be found as an attachment to this staff report.

Staff Analysis & Findings:

Staff finds that the applicant's modification request is justified by the applicable standards of Land Use Code Section 2.8.2(H)(2), and that the granting of the modification would not be detrimental to the public good. The justification for the modification is substantially similar to the rationale iterated as part of the modification to Section 4.8(D)(2)(a)(4) of the Land Use Code.

Criteria 2.8.2(H)(2)

The Fort Collins Affordable Housing Strategic Plan, adopted in 2015, identifies policies to support housing, programs, and services designed to help groups which may not be adequately served by market-driven development. *Policy 4.3, Increase Housing and Associated Supportive Services for People with Special Needs*, specifically lists homelessness as a category the City can help support to generate additional supply of housing options and services.

One objective of this policy states the City should, "continue to encourage the development of programs that meet the housing and supportive services needs of populations within the identified special needs categories." The group home will offer low-cost housing options for families transitioning out of homelessness and supportive services to help families become self-sufficient and find their own permanent housing.

Although the height of the existing building at the southern side yard setback is taller than what current standards now permit, locating the group home in a building that was specifically modified in the past to support group-living will help meet the policies and objectives of the City as outlined in the Affordable Housing Strategic Plan. The current height and setback distances are an existing condition constructed prior to stricter height and setback standards that went into effect in 2013, and no changes that would cause the building to further deviate from the standards are proposed.

G. Section 4.8(F)(2)(a) – Building Height

The group home structure is two stories tall, meeting the maximum height requirement for buildings in the NCM zone district of two stories.

H. Section 4.8(F)(6) – Site Design

This code section requires off-street parking areas for uses other than single-family dwellings to be set back further than the distance the principal building is located from the street, although temporary parking in driveways is permitted. The existing site features two concrete driveways located in front of the buildings that will continue to be used for temporary parking. One of these driveways spaces will become a newly-designated handicap accessible space as it is located adjacent to the ADA-accessible

ramp given its location adjacent to an ADA-accessible ramp leading to the primary building entrance. In addition to these two existing space, six new permanent off-street parking spaces will be located behind the existing building, accessed from a rear alley.

3. <u>Compliance with Article 3 of the Land Use Code – General Development</u> Standards:

The project complies with all applicable General Development Standards as detailed below.

A. Section 3.2.1 – Landscaping and Tree Protection

The proposed landscaping plan is consistent with the applicable requirements of Land Use Code Division 3.2.1, *Landscaping and Tree Protection*, with additional explanation for specific subsections below:

3.2.1(D) – Tree Planting Standards

The existing site already features a number of mature trees that meet requirements for street trees, tree-stocking, and diversity/size requirements. No new trees will be planted as part of the proposal and all existing trees are planned to remain in place. The City Forester has conducted an on-site tree inventory with the project applicants and determined all site trees are in fair or good condition.

3.2.1(E)(1) – Buffering Between Incompatible Uses and Activities

Existing mature landscaping, trees, and fencing help buffer the proposed group home from adjacent residential properties. These elements help establish privacy and buffer adjacent properties from potential visual impacts of the rear parking area and mitigate for the potential of reduced privacy as a result of additional residents at this location than would typically be anticipated if the site were used as single family dwellings.

3.2.1(E)(2) – Landscape Area Treatment

All site areas not covered by buildings or paving will feature existing or new landscaped areas consisting primarily of turf grass, rock/cobble, and shrub and planting beds located near the rear parking area or front porches.

3.2.1(E)(4) - Parking Lot Perimeter Landscaping

Parking lot perimeter landscaping and requirements to screen headlights are met with a combination of new parking lot perimeter shrub plantings and existing fencing and trees located on the site's north and south property lines.

3.2.1(E)(5) – Parking Lot Interior Landscaping

The new rear parking area will be defined by raised concrete curbs and feature landscape islands adjacent to the alley providing interior landscaping coverage. Only shrubs will be planted within these landscape islands out of consideration for driver sight distances accessing the alley.

B. Section 3.2.2(J) – Setbacks

The new six space rear parking area meets the minimum 5-ft setback requirements from lot lines. The parking area will be set back 5-ft from the rear lot line (alley), 5-ft from the north property line, and approximately 25-ft from the south property line.

C. Section 3.2.2(K) – Required Number of Off-Street Spaces for Type of Use

Vehicle parking space requirements for group homes are derived from the following formula: two parking spaces for every three employees and one parking space for each four adult residents, unless the residents are prohibited from owning or operating a vehicle.

The Faith Family Hospitality Transitional House group home will include one employee, an on-site resident manager, and space for up to 7 families or 21 total residents. If all 7 families included only adult residents, such as a set of parents and adult (18+) children, there could theoretically be up to 21 adult residents. The combined vehicle parking requirement for this resident and employee mix is six spaces. A total of eight spaces are located on the site, and parking requirements are met.

Based on the current operating characteristics of the Faith Family Hospitaltiy program at community churches, it is anticipated the population of group home residents will be nearly evenly split amongst adults and younger children. It is also anticipated half of the families will not own or operate a personal vehicle given financial constraints, and that the required number of parking spaces proposed will exceed resident and employee parking demand.

D. Section 3.2.2(K)(5) – Handicap Parking

One of the eight overall parking spaces will be designated as a vanaccessible space with an adjoining access aisle and marked with sign or pavement markings, meeting code standards.

E. Section 3.2.2(L) – Parking Stall Dimensions

All site parking spaces meet code standards for minimum width and depth for standard vehicle spaces, as well as access widths for drive aisles in the rear parking lot.

F. Section 3.2.4 – Site Lighting

The prior domestic violence shelter occupying the site featured a mix of backyard and building security lighting. The new group home proposal anticipates the removal of most lighting. Replacement of remaining light fixtures will meet Land Use Code standards for fixtures that are fully-shielded, down directional.

G. Section 3.2.5 – Trash and Recycling Enclosures

A new trash enclosure is proposed as part of the proposal and will be located adjacent to the new rear parking area. The enclosure meets all code requirements for construction on a concrete surface, equal space for trash and recycling containers, and separate walk-in access without the need to open the main gates.

H. Section 3.3.1(D)(5) – Stormwater Drainage

The project site is located in a low-spot in relation to nearby surroundings and features new impervious areas in the form of the rear parking area. A drainage report and proposed stormwater and low impact development stormwater improvements have been reviewed by City stormwater staff and meet City requirements. Proposed stormwater features include permeable paver parking spaces, a dry well, and use of previously-constructed drainage pans and chases located on the site and within drainage easements on a neighboring property to the north. Stormwater drainage for new alley paving required as part of the project will also take place in a newly constructed gutter along the alley to convey water south to Magnolia Street.

I. Section 3.3.1(D)(5) – Streets, Alleys and Paths

The project will take access to the new rear parking lot from an unimproved alley. As required by Fort Collins City Code, the project has

designed and will construct alley improvements from the site's northern edge south to Magnolia Street. These improvements will include new alley pavement, gutter/drainage, and a reconstructed alley approach at Magnolia Street.

J. Section 3.3.3 – Water Hazards

The project site is located within the City-regulated Old Town 100-year floodplain. City floodplain staff has reviewed project details and compliance with City floodplain regulations contained in Chapter 10 of City Code. A floodplain use permit must be approved prior to commencing any construction activities on the site.

K. Section 3.4.7 – Historic and Cultural Resources

The existing structure was evaluated for historic designation eligibility by the City's Historic Preservation department in 2015. Due to the extensive nature of previous additions and alterations, it was determined the property is not eligible for designation. As no additional building additions are proposed beyond like-for-like repair or replacement of exterior features, historic and cultural resource standards of the Land Use Code are being as part of the project.

L. Section 3.5.1 – Building and Project Compatibility

This section of the Land Use Code contains standards relating to building form (size, height, bulk, mass, scale), materials, and outdoor storage. As the proposal does not include new buildings or additions, the current form of the building is to remain as-is, with minor repair or replacement of existing exterior elements.

The overall structure's current size, height, bulk, and mass is moderately larger than other nearby buildings on the block, but appears consistent with the residential neighborhood as the size is broken up into different building wings that help mitigate its visual impact. Viewed publically from the front, the largest portions of the building are blocked by the modest scale of the two original single-family homes facades.

The structure also features common building elements and materials consistent with the neighborhood that facilitate compatibility. These include brick and wood siding as predominant materials, and the use of residential-scaled front porches and patios.

M. Section 3.8.6(B) – Group Home Regulations and Shelters for Victims of Domestic Violence

The Land Use Code specifies maximum group home resident sizes and separation distances from nearby group homes by zone district. In the NCM district, the maximum number of residents in a large group care facility based on this project's lot size is 15. The proposed group home is requesting up to 21 residents as part of a Modification of Standard to this code section.

Separately, this code section also specifies minimum separation distances from other group homes. In the NCM district, the minimum separation distance required is 1,000 feet. Choice House, a group home for adults with mental illnesses, is located approximately 560 feet to the northwest at 214 S Whitcomb Street. This proposal is requesting a Modification of Standard to locate the new group home at a distance of 560 feet from the Choice House.

Land Use Code Modification of Standard Criteria

The criteria for the granting of a modification of standard can be found on page 7 of the staff report.

Summary of Applicant's Justification:

The applicant's modification of standard narrative speaks to the defined community benefit of helping an identified population attain housing options and supportive services as justification for allowing both a greater number of residents beyond current Land Use Code standards and a smaller separation distance from an existing group home. Policies from both the Affordable Housing Strategic Plan and the City's comprehensive plan encourage the development of services and housing options to serve special populations such as the homeless. Using a facility that was originally designed and tailored for a number of residents larger than current code standards, and that serves a different population than a nearby group home, will help facilitate the services provided by Faith Family Hospitality, which is unique in the community. The applicant's complete modification of standard request can be found as an attachment to this staff report.

Staff Analysis & Findings:

Staff finds that the applicant's modification request is justified by the applicable standards of Land Use Code Section 2.8.2(H)(2), and that the granting of the modification would not be detrimental to the public good.

Criteria 2.8.2(H)(2)

The Fort Collins Affordable Housing Strategic Plan, adopted in 2015, identifies policies to support housing, programs, and services designed to help groups which may not be adequately served by market-driven

development. *Policy 4.3, Increase Housing and Associated Supportive Services for People with Special Needs*, specifically lists homelessness as a category the City can help support to generate additional supply of housing options and services.

The Faith Family Hospitality program is unique to the community in providing support tailored specifically to families transitioning out of homelessness. As part of their existing program using community churches along with the move to a more permanent group home location, the organization will help provide a community benefit defined as part of an adopted policy and plan to increase the supply of housing options and support for the homeless.

The existing structure proposed to house the group home was designed and tailored to support communal living and support services as a former domestic violence shelter. The structure contains 16 bedrooms, administrative space, and shared bathroom, kitchen, living, and play-areas. The building already contains more bedrooms than current Land Use Code standards permit for overall group home residents, and a copy of prior correspondence with the Crossroads Safehouse indicate the shelter operated with 20 residents.

While the current proposal seeks to house up to 21 residents, it is anticipated there will be fewer adult residents compared to the domestic violence shelter. Additional residents beyond the NCM zone distrist limit of 15 allows for the efficient use of the existing structure which was specifically modified to support this level of communal living, while helping meet unmet community demand to house homeless families.

Additionally, most other zone districts which permit group homes grant the decision-maker the ability to determine a higher number of residents based on several criteria. While this option is not available to a group home in the NCM district, these criteria are useful to help frame the evaluation of the modification that it is not detrimental to the public good. The criteria include:

- The adjacent street system is sufficient to accommodate the traffic impacts generated by the large group care facility
- The large group care facility has made adequate, on-site accommodations for its parking needs

The Faith Family Hospitality program has been underway for several years using local churches. Based on the characteristics of the families served in the existing program, approximately half do not own vehicles. With up to 7 families expected to be housed at the location, approximately 4 vehicles for the resident population is needed. The parking demand for residents as well as the on-site manager are met

and exceeded by the 8 on-site vehicle parking spaces provided. This level of traffic impact can also be met by the existing street network and the required alley paving improvements the group home will construct as part of the proposal.

 The architectural design of the large group care facility is compatible with the character of the surrounding neighborhood

The group care facility was created by connecting two existing single family homes dating from the establishment of the neighborhood. The architectural character of the building still resembles that of two single family homes, consistent with the residential character of the block.

 The size and scale of the large group care facility is compatible with the character of the surrounding neighborhood

The group home is expected to operate as independent, communal residences for families, similar to the character of the residential block. The size and scale of the structure itself is moderately larger than most nearby homes, but is on a lot twice the size, and the overall intensity is similar to other potential land uses permitted by the zone district, such as 6-8 unit multifamily development.

The types of treatment activities or the rendering of services proposed to be conducted upon the premises are substantially consistent with the activities permitted in the zone district in which the facility is proposed to be located.

As opposed to group homes for residents with physical, mental, or substance abuse conditions, the population at the Faith Family Hospitality group home is expected to be independent, with education and financial support services provided, rather than medical treatment. The independent nature of the families at the group home is consistent with that of a residential neighborhood featuring a mix of single-family and small multifamily dwellings.

In addition to the requested increase in the maximum number of group home residents, the proposal also requests a reduction in the separation distance from an existing group home. The Choice House, a group home for adults with mental illnesses, is located approximately 560 feet away. When the site was in operation as a domestic violence shelter, both facilities coexisted for many years and the reestablishment of the group home would be returning to a prior condition.

Staff does not believe the establishment of a group home use at this location is detrimental to the public good by creating an undue concentration of group homes in a limited location given the two group homes are located on separate streets, serve different populations, and both maintain screening, and on-site management and supervision of residents. Further, the successful outcome of the Faith Family Hospitality program is for group home residents to live on an independent basis, similar to if they were living at a small multifamily development which is otherwise permitted by the NCM zone district and similar in context to a residential block adjacent to downtown.

N. Section 3.8.6(C)(1)

This subsection of the supplementary group home standards states the decision maker shall establish the specific type of group home permitted and the maximum number of residents allowed. Staff recommends the group home at this location be permitted only to serve homeless families for up to 21 residents if the Modification of Standard to Section 3.8.6(B) is approved. Proposed changes to the type of group home population being served or increasing the number of group home residents would constitute a change in character, requiring a major amendment and an additional public hearing.

4. Neighborhood Meetings:

A series of neighborhood meetings and an open house were held to share information and collect input about the project. A meeting in the fall of 2014 was designed to solicit input from neighbors and service providers on City options for the site, and whether to continue to lease the facility or pursue a sale. Feedbackat the meeting indicated some interest for the City to continue to use the property for a social service provider use.

An open house in the summer of 2015 was held for neighbors and service providers to tour the inside of the properties and identify potential conflicts or issues for the continued use of the properties for a service provider or other use.

A neighborhood meeting was held in early 2016 to discuss this specific proposal for a group home to house families transitioning out of homelessness. This meeting was structure other development review meetings to share details with neighbors and hear about concerns or ideas regarding the proposal.

Key topics and questions discussed at the neighborhood meetings or from neighbor communications are presented below. Summaries from the two neighborhood meetings are also attached to this staff report.

Questions and concerns raised about the number of residents proposed at the group home and the parking impacts generated by the number of resident in a neighborhood already experiencing parking issues.

The original proposal idea discussed at the 2016 neighborhood meeting by project applicants included up to 30 residents at the group home along with day-center activities, such as laundry service, to non group-home residents. The number of group home residents proposed has since been lowered to 21 and day-center activities are no longer an element of the project. The number of group home residents proposed still exceeds the maximum of 15 residents specified by the Land Use Code for the NCM zone district, and a Modification of Standard has been requested by project applicants..

Operating data shared by the project applicants indicate approximately 50% of the families taking part in their program do not own or operate a personal vehicle. Further, of the 21 residents proposed for the facility, many will be younger children unable to drive. Many of the families rely on walking, biking, public transportation, or volunteer services for personal mobility. Since the 2016 neighborhood meeting, a residential parking permit program has also implemented in the neighborhood. Similar to other residences on the block, the proposed group home could only obtain a limited number of permits for on-street parking, but any vehicles without a permit would be ticketed if parking in the permit zone encompassing the block.

Questions on whether the proposed facility should be processed as a group home or considered a different type of land-use.

Staff believes a group home (large group care facility) is the appropriate classification of the land use based on the proposed operating characteristics of as a facility with communal living quarters, on-site supervisory personnel, and supportive services for a specialized population. The facility differs from a hotel or lodging establishment by providing more than short-term lodging (an average of a 6-month stay for the typical family) and on-site support services. Similarly, it differs from a homeless shelter by providing longer-term residence and a small charge for the program may be collected in addition to program screening requirements.

Safety and process concerns about the a group home as a critical facility located in a floodplain.

City floodplain staff have reviewed the proposal for compliance with floodplain regulations as part of the City-administered 100-year Old Town Floodplain. The group home population being served is independent and physically capable of evacuation from the facility, unlike other potential group home populations with mental or physical disabilities that may need special assistance. If the proposal is approved, additional review and oversight will

take place as the project must apply for a floodplain use permit issued by the City prior to commencing construction activities.

5. Findings of Fact / Conclusion:

In evaluating the request for the Faith Family Hospitality Transitional House Project Development Plan, PDP160044, staff makes the following findings of fact:

A. The Modification of Standard to Section 4.8(D)(2)(4) proposed with this Project Development Plan meets the applicable requirements of Section 2.8.2(H)(2) of the Land Use Code, and the granting of the modification would not be detrimental to the public good.

The request satisfies Criteria 2.8.2(H)(2)

The proposed project results in a substantial benefit to the City by using an existing structure to provide housing options and supportive services to homeless families, a population identified in the Fort Collins Affordable Housing Strategic Plan with unmet housing needs and where development of additional developments providing housing options and services should be encouraged.

B. The Modification of Standard to Section 4.8(E)(4) proposed with this Project Development Plan meets the applicable requirements of Section 2.8.2(H)(2) of the Land Use Code, and the granting of the modification would not be detrimental to the public good.

The request satisfies Criteria 2.8.2(H)(2)

The proposed project results in a substantial benefit to the City by using an existing structure to provide housing options and supportive services to homeless families, a population identified in the Fort Collins Affordable Housing Strategic Plan with unmet housing needs and where development of additional developments providing housing options and services should be encouraged.

C. The Modification of Standard to Section 3.8.6(B) proposed with this Project Development Plan meets the applicable requirements of Section 2.8.2(H)(2) of the Land Use Code, and the granting of the modification would not be detrimental to the public good.

The request satisfies Criteria 2.8.2(H)(2)

The proposed project results in a substantial benefit to the City by using an existing structure to provide housing options and supportive services to homeless families, a population identified in the Fort Collins Affordable Housing Strategic Plan with unmet housing needs and where

development of additional developments providing housing options and services should be encouraged.

The building has served in the past as a home to the requested number of 21 group home residents and has been specifically enlarged and tailored to this style of operation. Based on the population being served, parking and traffic demands can be met on-site and the population is intended to be independent, similar to iother permitted residential land uses that could occupy this site in the NCM zone district. Further, the site has demonstrated the capability to safely and compatibly house a group home within less than required distance from another facility due to different populations being served, their location on separate streets, and each group home's on-site management and supervision without detrimental impact to the community due to their proximity.

- D. The Project Development Plan complies with the applicable procedural and administrative requirements of Article 2 of the Land Use Code.
- E. The Project Development Plan complies with relevant standards located in Article 3 General Development Standards, provided that the modification of standard to Section 3.8.6(B) is approved.
- F. The Project Development Plan complies with relevant standards located in Division 4.8 Neighborhood Conservation Medium Density District (N-C-M) of Article 4 Districts, provided that the modification of standards to Sections 4.8(D)(2)(4) and 4.8(E)(4) are approved.

RECOMMENDATION:

Staff recommends approval of the modification of standards to Sections 4.8(D)(2)(4), 4.8(E)(4), and 3.8.6(B), and approval of the Faith Family Hospitality Transitional House Project Development Plan, PDP160044.

ATTACHMENTS:

- 1. Applicant's Statement of Planning Objectives
- 2. Planning Document Set (Site Plan, Landscape Plan, Elevations)
- 3. Utility Plans & Drainage Report
- 4. Modification of Standard Requests
- 5. Land Use Code Changes Group Home Definition
- 6. Zoning Communication for Number of Residents at Crossroads Safehouse
- 7. 2014 Neighborhood Meeting Summary
- 8. 2016 Neighborhood Meeting Summary
- 9. Public Comments



December 14, 2016

Faith Family Hospitality

Statement of Planning Objectives

This request is for approval of a PDP for the proposed Faith Family Hospitality Transitional House for Homeless Families to be located at 317 and 321 S. Sherwood St. Major cross streets are Magnolia and Sherwood. The project proposes the renovation of two two-story, 8,974 square feet houses with an outdoor play area, and paved parking area along the alley located on the west side of the property. There will be six parking spaces located in the parking lot. The property will house 7 families (average 3 people per family) and one resident manager on site. The building will have suited bedrooms for each family as well as kitchens, bathrooms, laundry rooms, dining and living rooms which will be shared by all.

The property is in the Neighborhood Conservation Medium Density – NCM zoning district and is subject to a Type I hearing.

(i) Statement of City Plan and Principles and Policy achieved by the proposed plan:

This proposal meets the applicable City Plan Principles and Policies:

Affordable Housing Strategic Plan

Policy AHP 4.3 - Increase Housing and Associated Supportive Services for People with Special Needs

Continue to encourage the development of projects that meet the housing and associated supportive services needs of populations within the identified special needs categories. These categories include housing for people experiencing homelessness.

Housing will be offered at an affordable cost so residents have more resources for the rest of their needs and have a better chance of greater personal wellbeing. Supportive services will be provided and can be necessary for some households to achieve housing success.

The proposed group home will stabilize vulnerable homeless families through extensive case management, resource development and support services to provide them with the tools to obtain permanent housing and self-sufficiency. This project both increases housing and provided supportive services to a population with special needs and furthers the City's affordable housing plan.

<u>City Plan:</u> Identifies housing as a key issue and speaks to:

- Funding, supporting, and developing affordable housing.
- Serving the housing needs of many diverse groups and changing demographics.

Community and Neighborhood Livability

Policy LIV 7.5 – Address Special Needs Housing

Plan for and meet the housing needs of special populations within the community. Disperse residential care facilities, shelters, group homes, and senior housing throughout the Growth Management Area.

This proposal is for a group home to provide six months of transitional housing for homeless families. There is no other group homes of this kind in the Growth Management Area.

Policy LIV 8.4 – Retain Existing Affordable Housing

Retain affordable housing options in existing neighborhoods so that long-term residents can "age in place" and to meet the housing needs of various household types.

Transportation

Principle T10.1 – Transit Stops

There are bus routes within walking distance. The project supports active lifestyles by having on-street sidewalks.

Principle T12.1 – Connections

The location of the site will promote and support the idea of resident families utilizing alternative modes of transportation (biking/walking) or public transportation. 50% of the families served are without cars and will utilize public transportation.

(ii) Description of proposed open space, wetlands, natural habitats and features, landscaping, circulation, transition areas and associated buffering on site and in te general vicinity of the project.

There are no wetlands or significant natural habitats within the boundaries of the site.

(iii) Statement of proposed ownership and maintenance of public and private open space areas; applicant's intentions with regard to future ownership of all or portions of the project development plan.

There is no public or private open space within the project boundaries. The building is currently owned by the City of Fort Collins. The intention is to lease the property for a period of time after which the nonprofit will purchase the property from the City of Fort Collins for its continued use as a group home for families.

(iv) Estimate number of employees for business, commercial and industrial use.

n/a

(v) Description of rationale behind assumptions and choice made by applicant.

The rationale behind this project is to renovate unused existing property which was previously used as a group home for victims of domestic violence to be used to shelter vulnerable families experiencing homelessness. For the past five years, the applicant has provided emergency shelter to homeless families in area churches. The need for longer term, more intensive assistance has been required to assist families overcome homelessness. In cooperation with the existing emergency shelter program, this project will provide the most vulnerable families with children a short

term housing option (six months) to further stabilize them while they work on securing long term housing and employments.

(vi) The applicant shall submit as evidence of successful completion of the applicable criteria, the completed documents pursuant to these regulations for each proposed use. The planning Director may require, or the applicant, may choose to submit, evident that is beyond what is required in that section. Any variance from the criteria shall be described.

Applicable criteria is documented in the submittal.

(vii) Narrative description of how conflicts between land uses or disturbances to avoid wetlands, natural habitats and features an or wildlife are being avoided to the maximum extent feasible or are mitigated.

There are not existing wetlands, natural habitats or features currently located on site.

(viii) Written narrative addressing each concern/issue raised at the neighborhood meeting. If a meeting has been held.

There was a neighborhood meeting held on February 10, 2016.

(ix) Name of the project as well as any previous name the project may have had during the Conceptual Review.

The project is named the Faith Family Hospitality Transitional House.

FAITH FAMILY HOSPITALITY

321 South Sherwood Street FORT COLLINS, COLORADO

Fort Collins

GENERAL NOTES

- 1. BY EXECUTING THE CONTRACT, THE CONTRACTOR REPRESENTS THAT HE VISITED THE SITE, FAMILIARIZED HIMSELF WITH THE LOCAL CONDITIONS, CODES, AND OWNER REQUIREMENTS UNDER WHICH THE WORK IS TO BE PERFORMED, AND CORRELATED HIS OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. THIS SHALL BE DONE PRIOR TO SIGNING THE CONTRACT FOR CONSTRUCTION.
- 2. PROSPECTIVE SUB-CONTRACTORS SHALL SECURE ALL DATA AT THE SITE OF PROPOSED CONSTRUCTION SUCH AS CONVENIENCE OF RECEIVING AND SORTING MATERIALS, STAGING AREAS LOCATION OF PUBLIC SERVICES, AND OTHER INFORMATION WHICH WILL HAVE INFLUENCE ON MAKING THEIR PROPOSALS OR ON THE EXECUTION OF THE WORK. NO ALLOWANCES WILL BE MADE FOR FAILURE OF THE SUB-CONTRACTOR TO OBTAIN SUCH ON-SITE INFORMATION PRIOR TO SIGNING OF THE CONTRACT.
- 3. SHOULD EITHER THE DRAWINGS AND THE SPECIFICATIONS, OR ANY PARTICULAR SPECIFICATION, AND THE GENERAL CONDITIONS CONTRADICT EACH OTHER IN ANY POINT, OR REQUIRE CLARIFICATION, THE CONTRACTOR MUST CALL THE SAME TO THE ATTENTION OF THE ARCHITECT, AND HIS DECISION SHALL BE OBTAINED PRIOR TO SIGNING THE CONTRACT FOR CONSTRUCTION
- 4. THE CONTRACTOR AND EACH SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT AND IN THE PROPOSED CONSTRUCTION BUILIDING OR SITE OR SURROUNDINGS. NO CHARGE OR COMPENSATION SHALL BE ALLOWED DUE TO DIFFERENCES BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED ON THE DRAWINGS. ANY SUCH DISCREPANCY IN DIMENSIONS WHICH MAY BE FOUND SHALL BE SUBMITTED TO THE ARCHITECT FOR HIS CONSIDERATION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK IN THE AFFECTED
- 5. EACH CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONSTRUCTION DOCUMENT AND SHALL REPORT TO THE ARCHITECT ANY ERROR, INCONSISTENCIES OR OMISSION HE MAY DISCOVER, FURTHER, THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK WHICH HE BELIEVES TO BE CONTRARY TO HIS KNOWLEDGE OF GOOD CONSTRUCTION STANDARDS AND PRACTICES AND SHALL NOT USE ANY SUBSTANDARD MATERIAL
- 6. CONTRACTOR SHALL FOLLOW SIZES IN SPECIFICATIONS OR DIMENSIONED FIGURES ON DRAWINGS IN PREFERENCE TO SCALE MEASUREMENTS AND FOLLOW DETAIL DRAWINGS IN PREFERENCE TO GENERAL DRAWINGS.
- T. WHERE IT IS OBVIOUS THAT A DRAWING ILLUSTRATES ONLY A PART OF A GIVEN WORK, OR OF A NUMBER OF ITEMS, THE REMAINDER SHALL BE DEEMED REPETITIOUS AND SO CONSTRUCTED.
- 8. CONTRACTOR IS TO VERIFY THAT ALL EQUIPMENT AND FIXTURES ARE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS. THE CONTRACTOR IS TO REPORT IMMEDIATELY TO THE ARCHITECT ANY EQUIPMENT NOT IN ACCORDANCE WITH PLANS AND SPECIFICATIONS. THE CONTRACTOR IS TO ASSURE THAT THE PLACEMENT OF EQUIPMENT IS POSSIBLE BEFORE CONSTRUCTION OF ALL INTERIOR PARTITIONS ARE COMPLETED.
- 9. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE FULLY EXPLANATORY AND SUPPLEMENTARY. SHOULD ANYTHING BE SHOWN, INDICATED, OR SPECIFIED ON ONE AND NOT THE OTHER, IT SHALL BE DONE.
- 10. THE GENERAL CONTRACTOR SHALL MAKE NO CHANGES IN THE WORK WITHOUT A CHANGE ORDER SIGNED BY THE OWNER, OR A CONSTRUCTION CHANGE DIRECTIVE ISSUED BY THE ARCHITECT.
- 11. IT WILL BE ASSUMED THAT EACH TRADE HAS ACCEPTED THE QUALITY OF THE WORK OF OTHERS UPON WHICH HIS WORK MUST BE APPLIED, UNLESS THE ARCHITECT AND OWNERS INFORMED TO THE CONTRARY AT LEAST 24 HOURS BEFORE COMMENCING WORK.
- 12. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED BUT NECESSARY FOR THE PROPER INSTALLATION OR CONFORMANCE WITH CODES OR STANDARDS LISTED OR DEPICTED HEREIN SHALL BE INCLUDED IN THE WORK.

Kenney & Lee

architecture group, inc.

oveland • Colorado (970) 663-0548

CODE COMPLIANCE

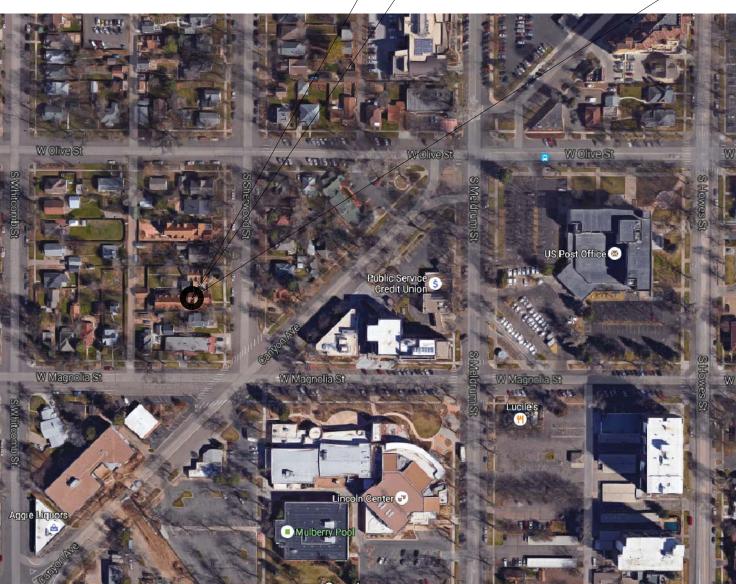
THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CODES AS REQUIRED BY FORT COLLINS, COLORADO:

2012 INTERNATIONAL BUILDING CODE (IBC) 2012 INTERNATIONAL MECHANICAL CODE (IMC) 2014 NATIONAL ELECTRICAL CODE (NEC) 2012 INTERNATIONAL PLUMBING CODE (IPC) 2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC.

ACCESSIBILITY REQUIREMENTS SHALL BE IN ACCORDANCE

- 2010 ADA STANDARDS
- STATE LAW CRS 9-5
- ICC / ANSI A117.1-2009

Project location: 321 South Sherwood St Fort Collins, CO 80525



responsibility for all consequences arising out of such changes.

VICINITY MAP



NOTICE: DUTY OF COOPERATION - Release of these plans contemplates further cooperation among the owner, his contractor, and the architect.

they cannot guarantee perfection. Communication is imperfect, and every contingency cannot be anticipated. Any ambiguity or discrepancy

discovered by the use of these plans shall be reported immediately to the architect. Failure to notify the architect compounds misunderstanding

Design and construction are complex. Although the architect and his consultants have performed their services with due care and diligence,

and increases construction costs. A failure to cooperate by a simple notice to the architect shall relieve the architect from responsibility for all consequences. Changes made from the plans without the consent of the architect are unauthorized, and shall relieve the architect of

SCOPE OF WORK

SCOPE OF WORK UNDER THIS PERMIT GENERALLY INCLUDES THE FOLLOWING:

- NEW PARKING LOT AT REAR ALLEY
- PARTIAL PAVE OF EXISTING ALLEY NEW TRASH ENCLOSURE
- MISC SITE IMPROVEMENTS
- REFINISHED EXTERIOR (REPLACE EXISTING FINISHES AS NEEDED) MINOR INTERIOR CHANGES (DOOR RELOCATION, ADDING CLOSETS) NEW BATHROOMS, MODIFIED KITCHENS)
- EXTERIOR DEMO WORK OF CONCRETE AND WOOD DECKS
- NEW EXTERIOR PATIOS AND COVERED PATIO ELECTRICAL DEMO AND NEW WORK

Colorado

SHEET INDEX

AI.O COVER SHEET

COVER SHEET GENERAL NOTES

GENERAL NOTES II HORIZONTAL CONTROL, UTILITY & DEMO

GRADING PLAN DRAINAGE & EROSION CONTROL PLAN ALLEY PLAN & PROFILE

SITE DETAILS EROSION CONTROL DETAILS

<u>ARCHITECTURAL</u>

COVER SHEET ARCHITECTURAL SITE PLAN ARCHITECTURAL LANDSCAPE PLAN

SITE PLAN DETAILS EXTERIOR SCOPE EXTERIOR SCOPE A5.3 EXTERIOR SCOPE

CONSULTANTS

(970) 416-7891

KENNEY LEE ARCHITECTURE GROUP, INC. 209 EAST FOURTH STREET LOVELAND, COLORADO 80537 (970)663-0548

CIVIL ENGINEER QUALITY ENGINEERING, LLC 4045 ST CLOUD DRIVE, SUITE 180

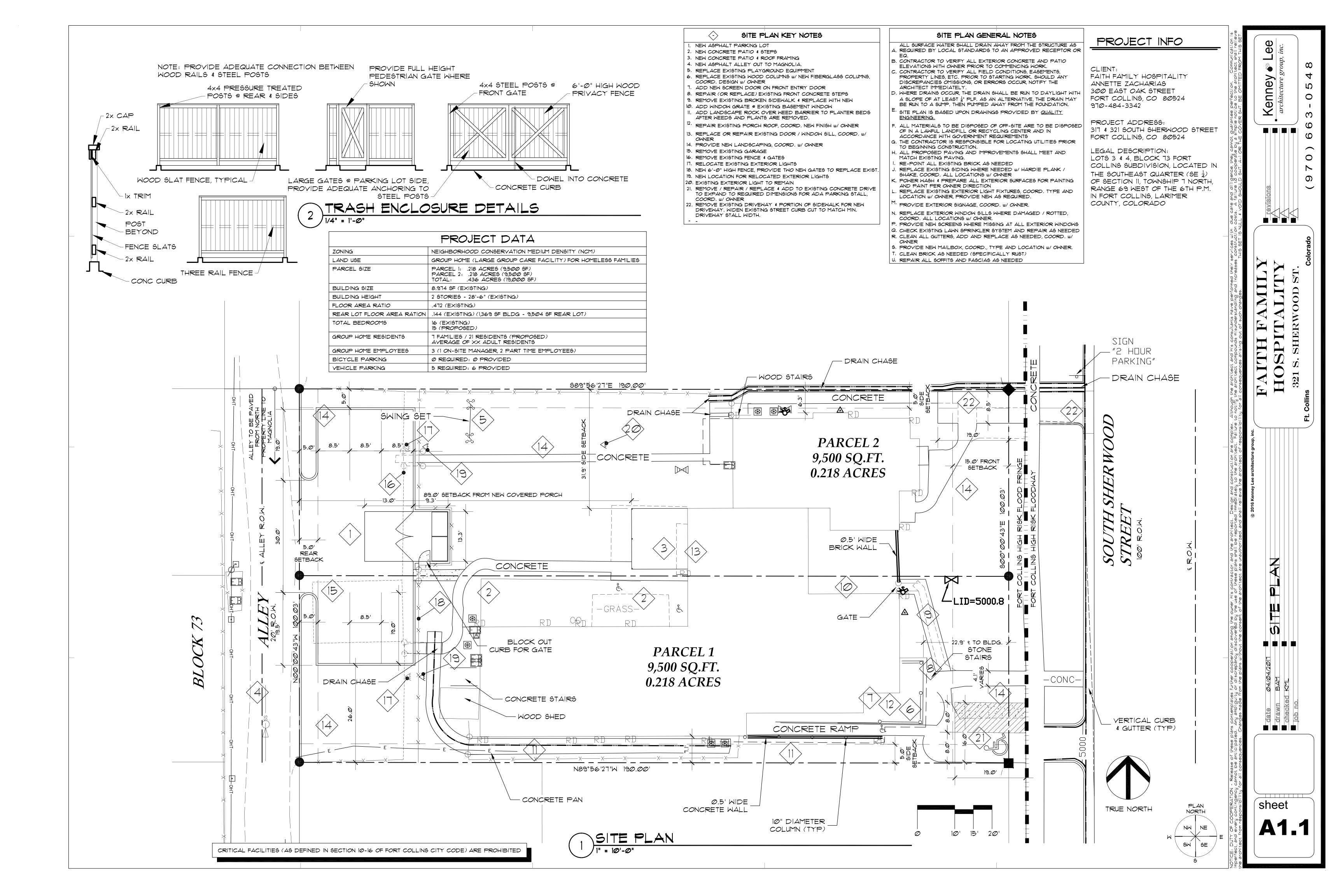
LOVELAND, COLORADO 80538

FAITH FAMILY

sheet







FLOODPLAIN & FLOODWAY NOTES

- 1. PORTIONS OF THIS PROPERTY ARE LOCATED IN THE FEMA REGULATORY 100-YEAR (INSERT NAME OF FLOODWAY) AND HIGH RISK FLOOD FRINGE.
- 2. ALL DEVELOPMENT WITHIN THE FLOODPLAIN MUST COMPLY WITH THE FLOODPLAIN REGULATIONS OF CHAPTER 10 OF CITY OF FORT COLLINS MUNICIPAL CODE.
- 3. CONSTRUCTION OF RESIDENTIAL STRUCTURES IS NOT ALLOWED IN THE 100 YEAR FLOODWAY.
- 4. RESIDENTIAL STRUCTURES ARE ALLOWED IN THE 100 YEAR HIGH RISK FLOOD FRINGE PROVIDED THEY MEET ALL ELEVATION REQUIREMENTS OF CHAPTER 10 OF CITY MUNICIPAL CODE.
- 5. NON-STRUCTURAL DEVELOPMENT
 (FENCES, DETENTION PONDS, HARD
 SURFACE PATHS, FILL, DRIVEWAYS,
 PARKING AREAS, VEGETATION, ETC.) IS
 ALLOWED WITHIN THE 100 YEAR
 FLOODWAY, PROVIDED THE
 DEVELOPMENT WILL NOT CAUSE A RISE IN
 THE BASE FLOOD ELEVATION OR A
 CHANGE TO THE FLOODWAY OR FLOOD
 FRINGE BOUNDARIES. NON-STRUCTURAL
 DEVELOPMENT IS NOT RESTRICTED IN THE
 FLOOD FRINGE.

GENERAL LANDSCAPE NOTES

- PLANT QUALITY: ALL PLANT MATERIAL SHALL BE A-GRADE OR NO. I GRADE FREE OF ANY DEFECTS, OF NORMAL HEALTH, HEIGHT, LEAF DENSITY AND SPREAD APPROPRIATE TO THE SPECIES AS DEFINED BY THE AMERICAN ASSOCIATION OF NURSERYMEN (AAN) STANDARDS. ALL TREES SHALL BE BALL AND BURLAP OR EQUIVALENT.
- 2. IRRIGATION: ALL LANDSCAPE AREAS WITHIN THE SITE INCLUDING TURF, SHRUB BEDS AND TREE AREAS SHALL BE IRRIGATED WITH AN AUTOMATIC IRRIGATION SYSTEM. THE IRRIGATION PLAN MUST BE REVIEWED AND APPROVED BY THE CITY OF FORT COLLING WATER UTILITIES DEPARTMENT PRIOR TO THE ISSUANCE OF A BUILDING PERMIT. ALL TURF AREAS SHALL BE IRRIGATED WITH AN AUTOMATIC POP-UP IRRIGATION SYSTEM. ALL SHRUB BEDS AND TREES, INCLUDING IN NATIVE SEED AREAS, SHALL BE IRRIGATED WITH AN AUTOMATIC DRIP (TRICKLE) IRRIGATION SYSTEM, OR WITH AN ACCEPTABLE ALTERNATIVE APPROVED BY THE CITY WITH THE IRRIGATION PLANS. THE IRRIGATION SYSTEM SHALL BE ADJUSTED TO MEET THE WATER REQUIREMENTS OF THE INDIVIDUAL PLANT MATERIAL.
- 3. TOPSOIL: TO THE MAXIMUM EXTENT FEASIBLE,
 TOPSOIL THAT IS REMOVED DURING CONSTRUCTION
 ACTIVITY SHALL BE CONSERVED FOR LATER USE
 ON AREAS REQUIRING REVEGETATION AND
 LANDSCAPING.
- 4. <u>SOIL AMENDMENTS</u>: SOIL AMENDMENTS SHALL BE PROVIDED AND DOCUMENTED IN ACCORDANCE WITH CITY CODE SECTION 12-132. THE SOIL IN ALL LANDSCAPE AREAS, INCLUDING PARKWAYS AND MEDIANS, SHALL BE THOROUGHLY LOOSENED TO A DEPTH OF NOT LESS THAN EIGHT(8) INCHES AND

- SOIL AMENDMENT SHALL BE THOROUGHLY INCORPORATED INTO THE SOIL OF ALL LANDSCAPE AREAS TO A DEPTH OF AT LEAST SIX(6) INCHES BY TILLING, DISCING OR OTHER SUITABLE METHOD, AT A RATE OF AT LEAST THREE (3) CUBIC YARDS OF SOIL AMENDMENT PER ONE THOUSAND (1,000) SQUARE FEET OF LANDSCAPE AREA. PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, A WRITTEN CERTIFICATION MUST BE SUBMITTED TO THE CITY THAT ALL PLANTED AREAS, OR AREAS TO BE PLANTED, HAVE BEEN THOROUGHLY LOOSENED AND THE SOIL AMENDED, CONSISTENT WITH THE REQUIREMENTS SET FORTH IN SECTION 12-132.
- 5. INSTALLATION AND GUARANTEE: ALL LANDSCAPING SHALL BE INSTALLED ACCORDING TO SOUND HORTICULTURAL PRACTICES IN A MANNER DESIGNED TO ENCOURAGE QUICK ESTABLISHMENT AND HEALTHY GROWTH. ALL LANDSCAPING FOR EACH PHASE MUST BE EITHER INSTALLED OR THE INSTALLATION MUST BE SECURED WITH AN IRREVOCABLE LETTER OF CREDIT, PERFORMANCE BOND, OR ESCROW ACCOUNT FOR 125% OF THE VALUATION OF THE MATERIALS AND LABOR PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY FOR ANY BUILDING IN SUCH PHASE.
- 6.MAINTENANCE: TREES AND VEGETATION, IRRIGATION SYSTEMS, FENCES, WALLS AND OTHER LANDSCAPE ELEMENTS WITH THESE FINAL PLANS SHALL BE CONSIDERED AS ELEMENTS OF THE PROJECT IN THE SAME MANNER AS PARKING, BUILDING MATERIALS AND OTHER SITE DETAILS. THE APPLICANT, LANDOWNER OR SUCCESSORS IN INTEREST SHALL BE JOINTLY AND SEVERALLY RESPONSIBLE FOR THE REGULAR MAINTENANCE OF ALL LANDSCAPING ELEMENTS IN GOOD CONDITION. ALL LANDSCAPING SHALL BE MAINTAINED FREE FROM DISEASE, PESTS, WEEDS AND LITTER, AND ALL LANDSCAPE

- STRUCTURES SUCH AS FENCES AND WALLS SHALL BE REPAIRED AND REPLACED PERIODICALLY TO MAINTAIN A STRUCTURALLY SOUND CONDITION.
- 1. <u>REPLACEMENT</u>: ANY LANDSCAPE ELEMENT THAT DIES, OR IS OTHERWISE REMOVED, SHALL BE PROMPTLY REPLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THESE PLANS.
- 8. THE FOLLOWING SEPARATIONS SHALL BE PROVIDED BETWEEN TREES/SHRUBS AND UTILITIES:
- LIGHTS
 15 FEET BETWEEN ORNAMENTAL TREES AND
 STREETLIGHTS
 10 FEET BETWEEN TREES AND PUBLIC WATER,
 SANITARY AND STORM SEWER MAIN LINES
 6 FEET BETWEEN TREES AND PUBLIC WATER,
 SANITARY AND STORM SEWER SERVICE LINES.
 4 FEET BETWEEN SHRUBS AND PUBLIC WATER AND
 SANITARY AND STORM SEWER LINES

40 FEET BETWEEN CANOPY TREES AND STREET

9. ALL STREET TREES SHALL BE PLACED A MINIMUM EIGHT (8) FEET AWAY FROM THE EDGES OF DRIVEWAYS AND ALLEYS PER LUC 3.2.1(DX2XA).

4 FEET BETWEEN TREES AND GAS LINES

10. PLACEMENT OF ALL LANDSCAPING SHALL BE IN ACCORDANCE WITH THE SIGHT DISTANCE CRITERIA AS SPECIFIED BY THE CITY OF FORT COLLINS. NO STRUCTURES OR LANDSCAPE ELEMENTS GREATER THAN 24" SHALL BE ALLOWED WITHIN THE SIGHT DISTANCE TRIANGLE OR EASEMENTS WITH THE EXCEPTION OF DECIDUOUS TREES PROVIDED THAT THE LOWEST BRANCH IS AT LEAST 6' FROM GRADE. ANY FENCES WITHIN THE SIGHT DISTANCE TRIANGLE OR EASEMENT MUST BE NOT MORE THAN 42" IN HEIGHT AND OF AN OPEN DESIGN.

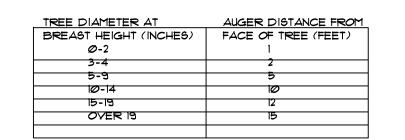
- 11. THE FINAL LANDSCAPE PLAN SHALL BE COORDINATED WITH ALL OTHER FINAL PLAN ELEMENTS SO THAT THE PROPOSED GRADING, STORM DRAINAGE, AND OTHER DEVELOPMENT IMPROVEMENTS DO NOT CONFLICT WITH NOR PRECLUDE INSTALLATION AND MAINTENANCE OF LANDSCAPE ELEMENTS ON THIS PLAN.
- 12. MINOR CHANGES IN SPECIES AND PLANT LOCATIONS MAY BE MADE DURING CONSTRUCTION -- AS REQUIRED BY SITE CONDITIONS OR PLANT AVAILABILITY. OVERALL QUANTITY, QUALITY, AND DESIGN CONCEPT MUST BE CONSISTENT WITH THE APPROVED PLANS. IN THE EVENT OF CONFLICT WITH THE QUANTITIES INCLUDED IN THE PLANT LIST, SPECIES AND QUANTITIES ILLUSTRATED SHALL BE PROVIDED. ALL CHANGES OF PLANT SPECIES AND LOCATION MUST HAVE WRITTEN APPROVAL BY THE CITY PRIOR TO INSTALLATION.
- 13.ALL PLANTING BEDS SHALL BE MULCHED TO A MINIMUM DEPTH OF THREE INCHES.

STREET TREE NOTES

- 1. A PERMIT MUST BE OBTAINED FROM THE CITY FORESTER BEFORE ANY TREES OR SHRUBS AS NOTED ON THIS PLAN ARE PLANTED, PRUNED OR REMOVED IN THE PUBLIC RIGHT-OF-WAY. THIS INCLUDES ZONES BETWEEN THE SIDEWALK AND CURB, MEDIANS AND OTHER CITY PROPERTY. THIS PERMIT SHALL APPROVE THE LOCATION AND SPECIES TO BE PLANTED. FAILURE TO OBTAIN THIS PERMIT IS A VIOLATION OF THE CITY OF FORT COLLINS CODE SUBJECT TO CITATION (SECTION 27-31) AND MAY ALSO RESULT IN REPLACING OR RELOCATING TREES AND A HOLD ON CERTIFICATE OF OCCUPANCY.
- 2. CONTACT THE CITY FORESTER TO INSPECT ALL STREET TREE PLANTINGS AT THE COMPLETION OF EACH PHASE OF THE DEVELOPMENT. ALL MUST BE INSTALLED AS SHOWN ON THE LANDSCAPE PLAN. APPROVAL OF STREET TREE PLANTING IS REQUIRED BEFORE FINAL APPROVAL OF EACH PHASE.
- 3. STREET LANDSCAPING, INCLUDING STREET TREES, SHALL BE SELECTED IN ACCORDANCE WITH ALL CITY CODES AND POLICIES. ALL TREE PRUNING AND REMOVAL WORKS SHALL BE PERFORMED BY A CITY OF FORT COLLING LICENSED ARBORS WHERE REQUIRED BY CODE.STREET TREES SHALL BE SUPPLIED AND PLANTED BY THE DEVELOPER USING A QUALIFIED LANDSCAPE CONTRACTOR.
- 4. THE DEVELOPER SHALL REPLACE DEAD OR DYING STREET TREES AFTER PLANTING UNTIL FINAL MAINTENANCE INSPECTION AND ACCEPTANCE BY THE CITY OF FORT COLLING FORESTRY DIVISION. ALL STREET TREES IN THE PROJECT MUST BE ESTABLISHED, WITH AN APPROVED SPECIES AND OF ACCEPTABLE CONDITION PRIOR TO ACCEPTANCE.
- 5. SUBJECT TO APPROVAL BY THE CITY FORESTER -- STREET TREE LOCATIONS MAY BE ADJUSTED TO ACCOMMODATE DRIVEWAY LOCATIONS, UTILITY SEPARATIONS BETWEEN TREES, STREET SIGNS AND STREET LIGHTS. STREET TREES TO BE CENTERED IN THE MIDDLE OF THE LOT TO THE EXTENT FEASIBLE. QUANTITIES SHOWN ON PLAN MUST BE INSTALLED UNLESS A REDUCTION IS APPROVED BY THE CITY TO MEET SEPARATION STANDARDS.

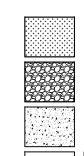
TREE PROTECTION NOTES

- 1. ALL EXISTING TREES WITHIN THE LIMITS OF THE DEVELOPMENT AND WITHIN ANY NATURAL AREA BUFFER ZONES SHALL REMAIN AND BE PROTECTED UNLESS NOTED ON THESE PLANS FOR REMOVAL.
- 2. WITHIN THE DRIP LINE OF ANY PROTECTED EXISTING TREE, THERE SHALL BE NO CUT OR FILL OVER A FOUR-INCH DEPTH UNLESS A QUALIFIED ARBORIST OR FORESTER HAS EVALUATED AND APPROVED THE DISTURBANCE.
- 3. ALL PROTECTED EXISTING TREES SHALL BE PRUNED TO THE CITY OF FORT COLLINS FORESTRY STANDARDS. TREE PRUNING AND REMOVAL SHALL BE PERFORMED BY A BUSINESS THAT HOLDS A CURRENT CITY OF FORT COLLING ARBORIST LICENSE WHERE REQUIRED BY CODE.
- 4. PRIOR TO AND DURING CONSTRUCTION, BARRIERS SHALL BE ERECTED AROUND ALL PROTECTED EXISTING TREES WITH SUCH BARRIERS TO BE OF ORANGE FENCING A MINIMUM OF FOUR (4) FEET IN HEIGHT, SECURED WITH METAL T-POSTS, NO CLOSER THAN-SIX (6) FEET FROM THE TRUNK OR ONE-HALF (½) OF THE DRIP LINE, WHICHEVER IS GREATER. THERE SHALL BE NO STORAGE OR MOVEMENT OF EQUIPMENT, MATERIAL, DEBRIS OR FILL WITHIN THE FENCED TREE PROTECTION ZONE.
- 5. DURING THE CONSTRUCTION STAGE OF DEVELOPMENT, THE APPLICANT SHALL PREVENT THE CLEANING OF EQUIPMENT OR MATERIAL OR THE STORAGE AND DISPOSAL OF WASTE MATERIAL SUCH AS PAINTS, OILS, SOLVENTS, ASPHALT, CONCRETE, MOTOR OIL OR ANY OTHER MATERIAL HARMFUL TO THE LIFE OF A TREE WITHIN THE DRIP LINE OF ANY PROTECTED TREE OR GROUP OF
- 6.NO DAMAGING ATTACHMENT, WIRES, SIGNS OR PERMITS MAY BE FASTENED TO ANY PROTECTED TREE.
- 1. LARGE PROPERTY AREAS CONTAINING PROTECTED TREES AND SEPARATED FROM CONSTRUCTION OR LAND CLEARING AREAS, ROAD RIGHTS-OF-WAY AND UTILITY EASEMENTS MAY BE "RIBBONED OFF," RATHER THAN ERECTING PROTECTIVE FENCING AROUND EACH TREE AS REQUIRED IN SUBSECTION (G.X.3) ABOVE. THIS MAY BE ACCOMPLISHED BY PLACING METAL T-POST STAKES A MAXIMUM OF FIFTY (50) FEET APART AND TYING RIBBON OR ROPE FROM STAKE-TO-STAKE ALONG THE OUTSIDE PERIMETERS OF SUCH AREAS BEING CLEARED.
- 8. THE INSTALLATION OF UTILITIES, IRRIGATION LINES OR ANY UNDERGROUND FIXTURE REQUIRING EXCAVATION DEEPER THAN SIX (6) INCHES SHALL BE ACCOMPLISHED BY BORING UNDER THE ROOT SYSTEM OF PROTECTED EXISTING TREES AT A MINIMUM DEPTH OF TWENTY-FOUR (24) INCHES. THE AUGER DISTANCE IS ESTABLISHED FROM THE FACE OF THE TREE (OUTER BARK) AND IS SCALED FROM TREE DIAMETER AT BREAST HEIGHT AS DESCRIBED IN THE CHART BELOW:



9. ALL TREE REMOVAL SHOWN SHALL BE COMPLETED OUTSIDE OF THE SONGBIRD NESTING SEASON (FEB 1 - JULY 31) OR CONDUCT A SURVEY OF TREES ENSURING NO ACTIVE NESTS IN THE AREA.

LANDSCAPE LEGEND

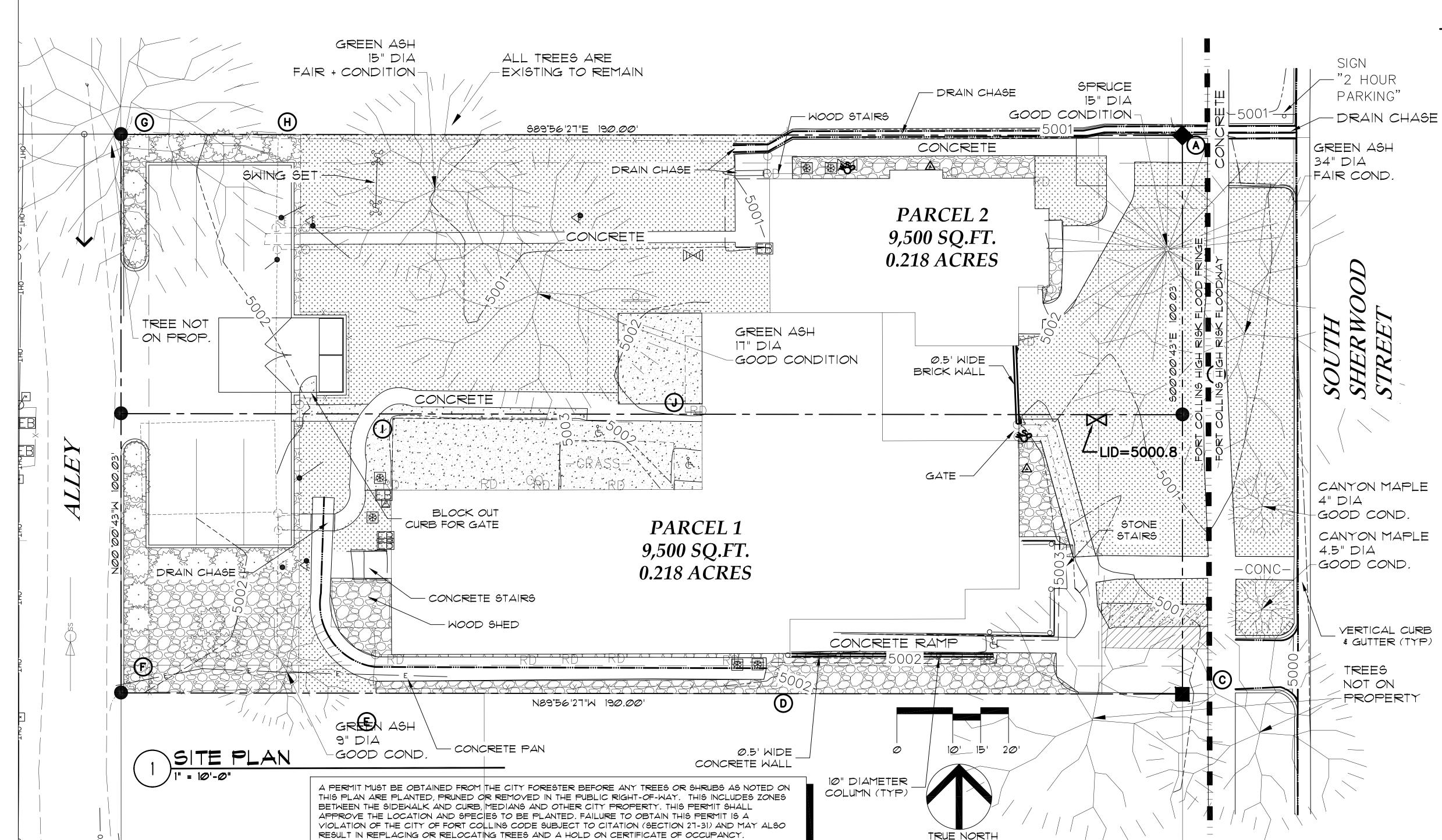


EXISTING TURF (w/ SPRINKLER SYSTEM)

3"-5" RIVER ROCK MULCH

NEW CONCRETE FLAT WORK

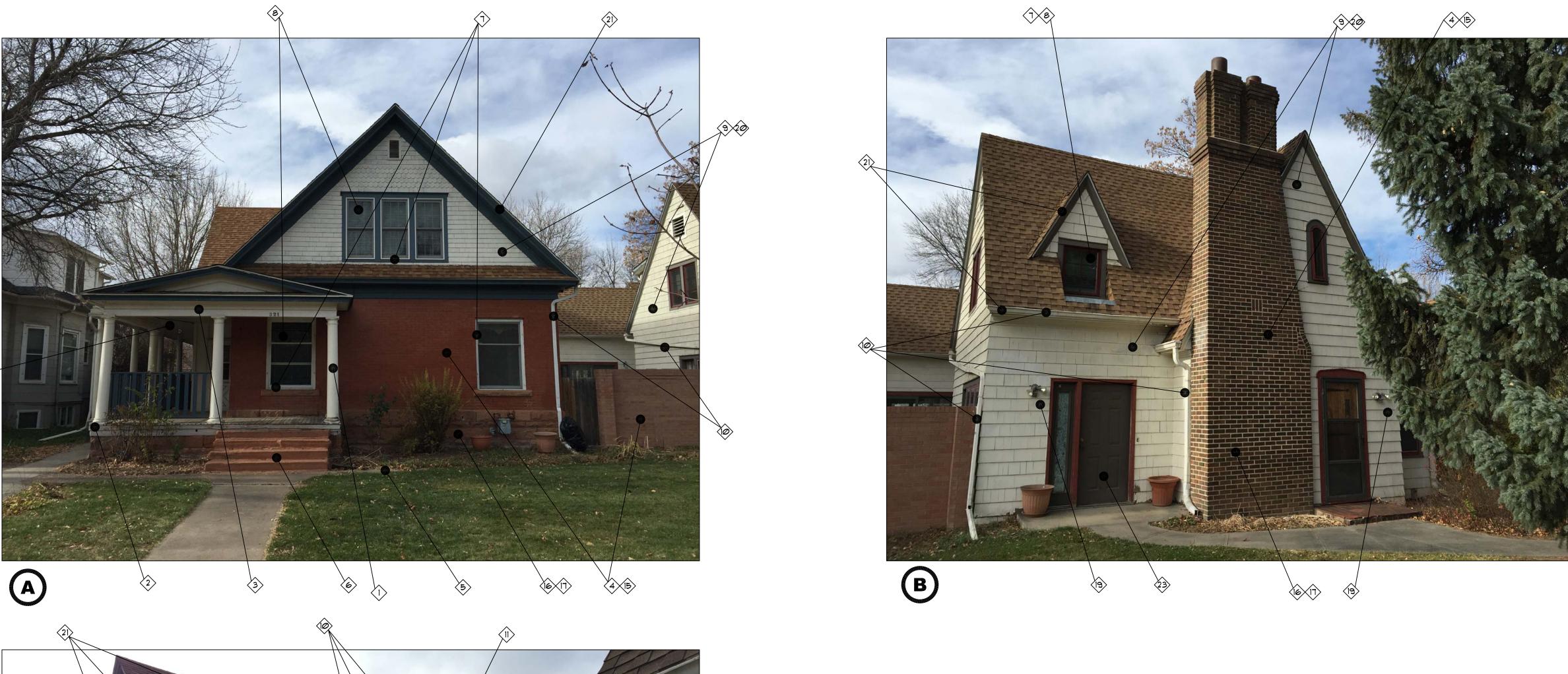
Little Leaf Mountain Mahogany Cercocarpus intricatus 5 gal. cont.



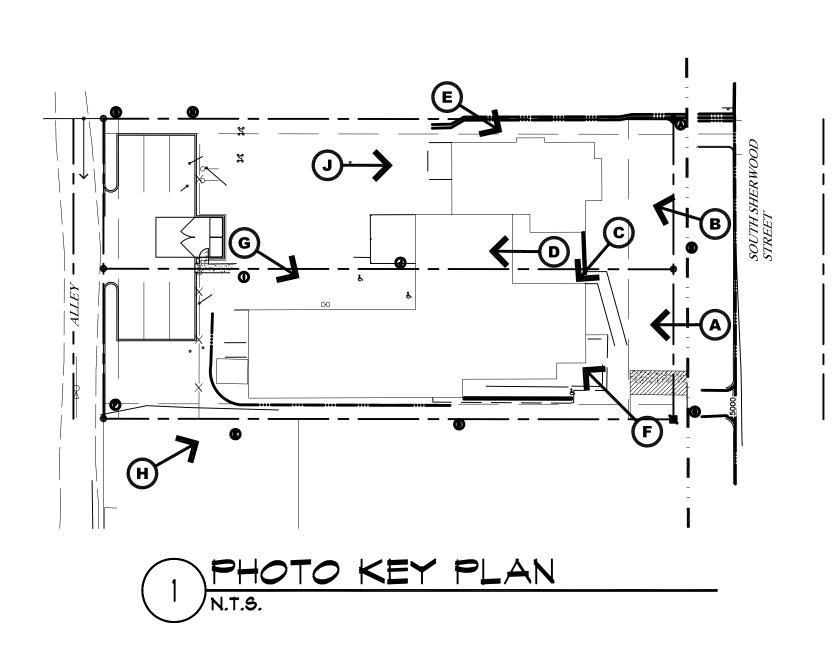
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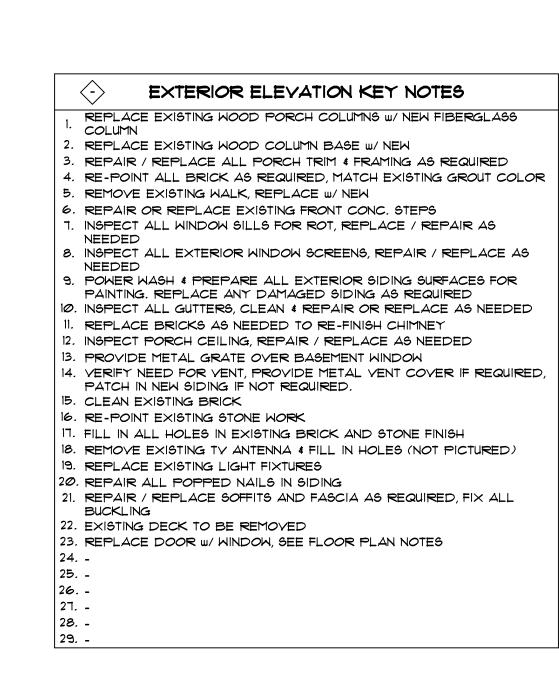
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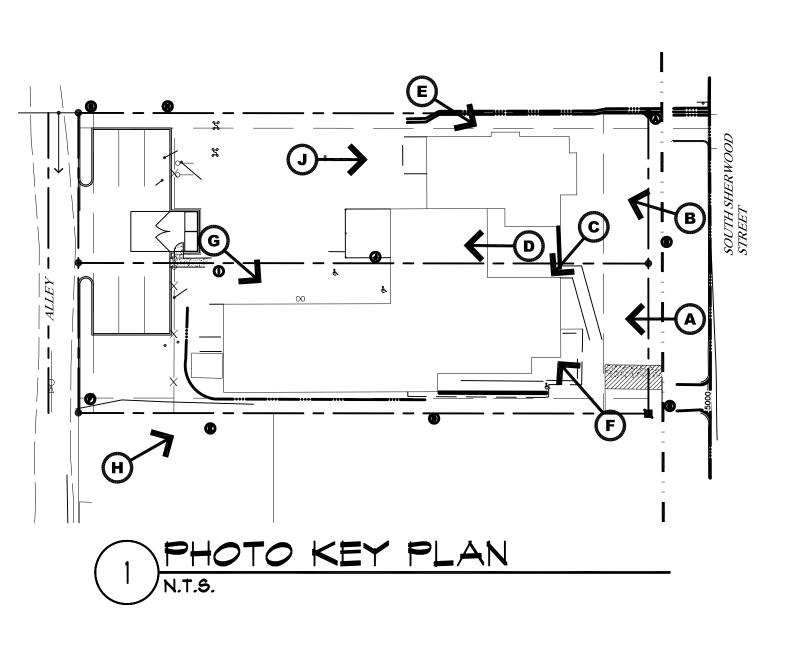










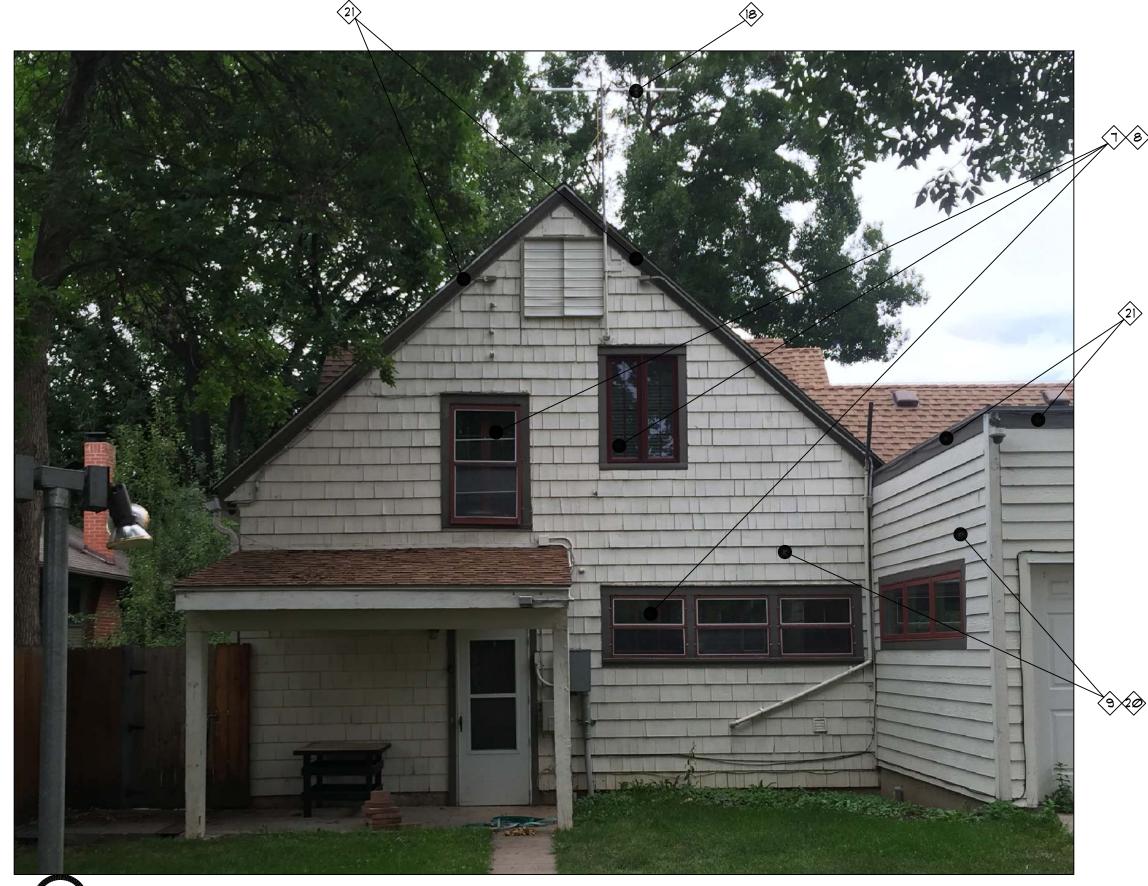


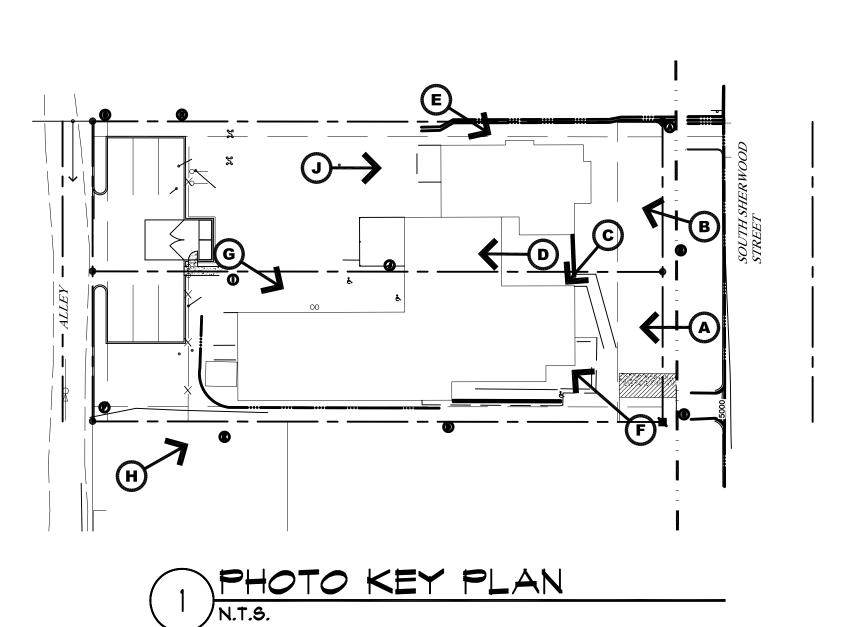
EXTERIOR ELEVATION KEY NOTES REPLACE EXISTING WOOD PORCH COLUMNS W/ NEW FIBERGLASS REPLACE EXISTING WOOD COLUMN BASE W/ NEW 3. REPAIR / REPLACE ALL PORCH TRIM & FRAMING AS REQUIRED 4. RE-POINT ALL BRICK AS REQUIRED, MATCH EXISTING GROUT COLOR 5. REMOVE EXISTING WALK, REPLACE W/ NEW 6. REPAIR OR REPLACE EXISTING FRONT CONC. STEPS 1. INSPECT ALL WINDOW SILLS FOR ROT, REPLACE / REPAIR AS 8. INSPECT ALL EXTERIOR WINDOW SCREENS, REPAIR / REPLACE AS NEEDED 9. POWER WASH & PREPARE ALL EXTERIOR SIDING SURFACES FOR PAINTING. REPLACE ANY DAMAGED SIDING AS REQUIRED 10. INSPECT ALL GUTTERS, CLEAN & REPAIR OR REPLACE AS NEEDED 11. REPLACE BRICKS AS NEEDED TO RE-FINISH CHIMNEY 12. INSPECT PORCH CEILING, REPAIR / REPLACE AS NEEDED 13. PROVIDE METAL GRATE OVER BASEMENT WINDOW 14. VERIFY NEED FOR VENT, PROVIDE METAL VENT COVER IF REQUIRED, PATCH IN NEW SIDING IF NOT REQUIRED. 15. CLEAN EXISTING BRICK 16. RE-POINT EXISTING STONE WORK 17. FILL IN ALL HOLES IN EXISTING BRICK AND STONE FINISH 18. REMOVE EXISTING TV ANTENNA & FILL IN HOLES (NOT PICTURED) 19. REPLACE EXISTING LIGHT FIXTURES 20. REPAIR ALL POPPED NAILS IN SIDING 21. REPAIR / REPLACE SOFFITS AND FASCIA AS REQUIRED, FIX ALL BUCKLING 22. EXISTING DECK TO BE REMOVED

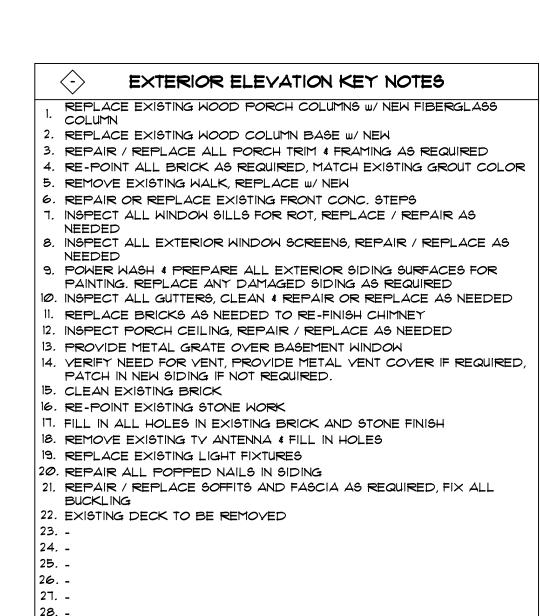
Kenney









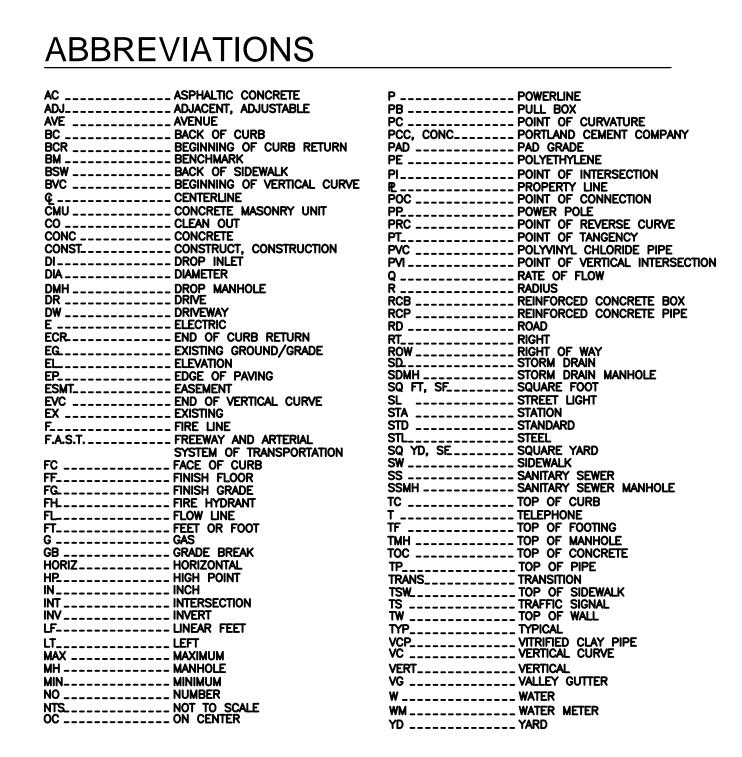


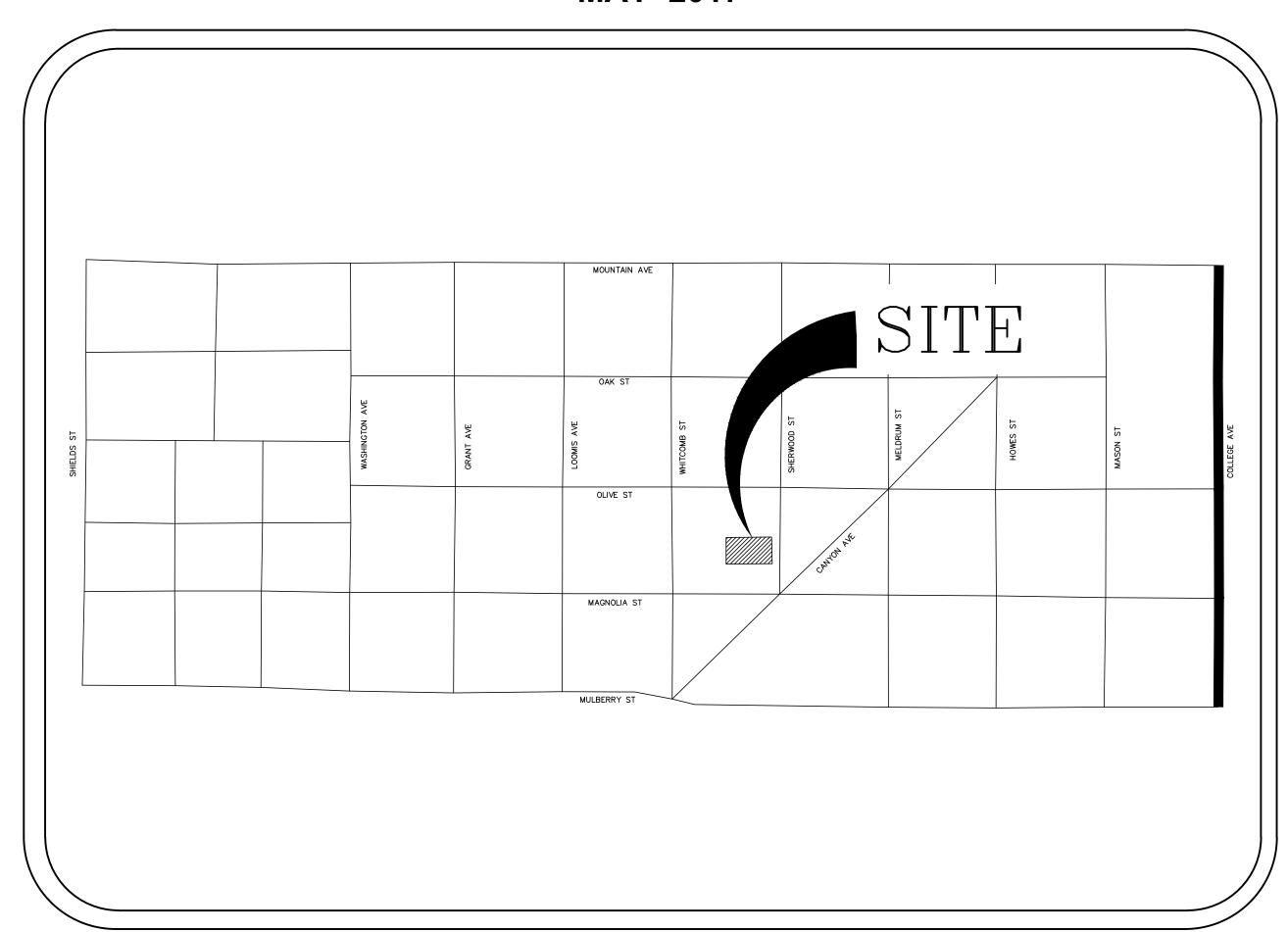
UTILITY PLANS FOR FAITH FAMILY HOSPITALITY

LOTS 3 AND 4, BLOCK 73 CITY OF FORT COLLINS, LOCATED IN THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 11, TOWNSHIP 7 NORTH, RANGE 69 WEST OF THE 6TH P.M. IN FORT COLLINS, LARIMER COUNTY, COLORADO.

> 317-321 SHERWOOD STREET FORT COLLINS, CO 80521

MAY 2017





SHEET INDEX

- C1.0.... COVER SHEET
- C1.1.... GENERAL NOTES I C1.2.... GENERAL NOTES II
- C2.0.... HORIZONTAL CONTROL, UTILITY, & DEMO PLAN
- C3.0.... GRADING PLAN
- C4.0.... DRAINAGE AND EROSION CONTROL PLAN
- C5.0.... ALLEY PLAN AND PROFILE
- C6.0.... SITE DETAILS
- C6.1.... EROSION CONTROL DETAILS

BENCHMARK

BENCHMARK NUMBER: CITY OF FORT COLLINS 6-00 ELEVATION = 4993.85' BENCHMARK DESCRIPTION:ON A CATCH BASIN AT THE NORTHWEST CORNER OF MULBERRY ST. AND COLLEGE AVE.

BENCHMARK DESCRIPTION: IN THE TOWN OF FT. COLLINS, IN THE EAST FACE OF THE NORTHEAST CORNER OF THE U.S. POST OFFICE BUILDING, BRONZE TABLET SET VERTICALLY 3 FEET ABOVE THE GROUND.

PLEASE NOTE: THIS PLAN SET IS USING NAVD88 FOR A VERTICAL DATUM. SURROUNDING DEVELOPMENTS HAVE USED NGVD29 UNADJUSTED FOR THEIR

IF NGVD29 UNADJUSTED DATUM IS REQUIRED FOR ANY PURPOSE, THE

LEGAL DESCRIPTION

SOUTHEAST QUARTER (SE 1/4) OF SECTION 11, TOWNSHIP 7 NORTH, RANGE 69 WEST OF THE 6TH P.M. IN FORT COLLINS, LARIMER COUNTY,

OWNER

FAITH FAMILY 317-321 SOUTH SHERWOOD STREET FORT COLLINS, CO 80521

CIVIL ENGINEER

QUALITY ENGINEERING, LLC 2637 MIDPOINT DRIVE, SUITE E FORT COLLINS, CO 80524 (970) 416-7891

WINDSOR, CO 80550

(970) 686-5821

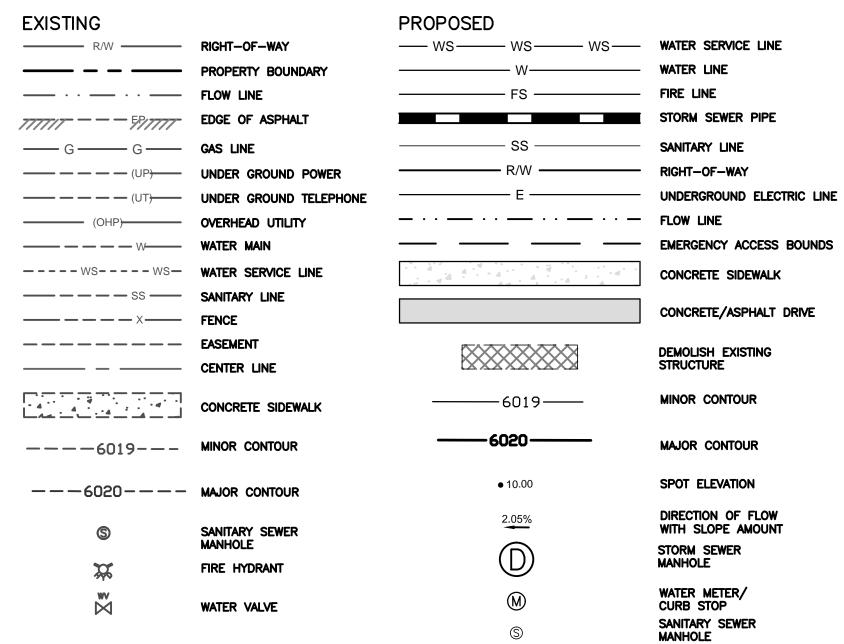
SURVEYOR KING SURVEYORS 650 E. GARDEN DRIVE

ARCHITECT

(970) 663-0548

KENNEY LEE ARCHITECTURE GROUP INC. 209 E. 4TH STREET LOVELAND, CO 80537

SYMBOL LEGEND





SUPPLEMENTAL GENERAL NOTES:

- 1. ALL WATER DISTRIBUTION SYSTEM CONSTRUCTION SHALL CONFORM TO THE MOST CURRENT CITY OF
- FORT COLLINS WATER/WASTEWATER UTILITY CONSTRUCTION SPECIFICATIONS AND REQUIREMENTS. 2. LIMITS OF STREET CUTS SHOWN ARE APPROXIMATE. FINAL LIMITS ARE TO BE DETERMINED IN THE FIELD BY THE TOWN ENGINEERING INSPECTOR. ALL REPAIRS ARE TO BE BY CITY IN ACCORDANCE WITH CITY STREET REPAIR STANDARDS.
- 3. THE CITY OF FORT COLLINS SHALL NOT BE RESPONSIBLE FOR THE MAINTENANCE OF STORM DRAINAGE FACILITIES LOCATED ON PRIVATE PROPERTY. THE ASSOCIATION WILL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL ONSITE AND OFFSITE DRAINAGE FACILITIES ASSOCIATED WITH THIS PROJECT THAT ARE OUTSIDE THE PUBLIC RIGHT OF WAY. THIS INCLUDES ALL TRACTS AND PRIVATE
- 4. ALL SITE WORK CONSTRUCTION MUST CONFORM TO ADA (AMERICAN DISABILITIES ACT) REQUIREMENTS FOR HANDICAP ACCESS IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE. CONTRACTOR AND ALL SUBCONTRACTORS TO THOROUGHLY FAMILIARIZE THEMSELVES WITH THESE DOCUMENTS.
- ALL CONCRETE IN PUBLIC RIGHT-OF-WAY TO BE CDOT CLASS D. CONTRACTOR TO OBTAIN ROW PERMIT FROM THE CITY OF FORT COLLINS FOR ALL WORK IN RIGHT-OF-WAY PRIOR TO CONSTRUCTION

UTILITY CONTACT LIST:

FOR BURIED UTILITY INFORMATION

THREE (3) BUSINESS DAYS

BEFORE YOU DIG

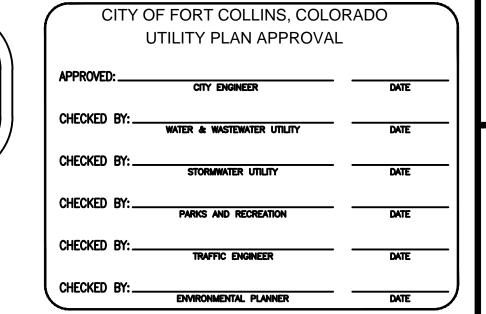
CALL 811

(OR 1-800-922-1987)

UTILITY NOTIFICATION

WWW.UNCC.ORG

ENTER OF COLORADO (UNCC)



ENGINEER AFFIRMATION STATEMENT I HEREBY AFFIRM THAT THESE FINAL CONSTRUCTION PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION, IN ACCORDANCE WITH ALL APPLICABLE CITY OF FORT COLLINS AND STATE OF COLORADO STANDARDS AND STATUTES, RESPECTIVELY; AND THAT I AM FULLY RESPONSIBLE FOR THE ACCURACY OF ALL DESIGN, REVISIONS, AND RECORD CONDITIONS THAT I HAVE NOTED ON THESE PLANS.

CODY GEISENDORFER, P.E. DATE

THESE PLANS HAVE BEEN REVIEWED BY THE CITY OF FORT COLLINS FOR CONCEPT ONLY. THE REVIEW DOES NOT IMPLY RESPONSIBILITY BY THE REVIEWING DEPARTMENT, THE CITY OF FORT COLLINS ENGINEER, OR THE CITY OF FORT COLLINS FOR ACCURACY AND CORRECTNESS OF THE CALCULATIONS. FUTHERMORE, THE REVIEW DOES NOT IMPLY THAT QUANTITIES OF ITEMS ON THE PLANS ARE THE FINAL QUANTITIES REQUIRED. THE REVIEW SHALL NOT BE CONSTRUED IN ANY REASON AS ACCEPTANCE OF FINANCIAL RESPONSIBILITY BY THE CITY OF FORT COLLINS FOR ADDITIONAL QUANTITIES OF ITEMS SHOWN THAT MAY BE REQUIRED DURING THE

DRAWN BY: SCALE:

CHECKED BY: RJP DESIGNED BY: PROJECT NO.: 7040-007

FOR REVIEW

ONLY

NOT FOR

CONSTRUCTION

SHEET 1 OF 9

CONSTRUCTION NOTES

THE EROSION CONTROL INSPECTOR MUST BE NOTIFIED AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO ANY CONSTRUCTION ON THIS SITE.

THERE SHALL BE NO EARTH DISTURBING ACTIVITY OUTSIDE THE LIMITS DESIGNATED ON THE ACCEPTED PLANS.

ALL REQUIRED PERIMETER SILT AND CONSTRUCTION FENCING SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES (STOCKPILING, STRIPPING, GRADING, ETC.). ALL OTHER REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED AT THE APPROPRIATE TIME IN THE CONSTRUCTION SEQUENCE AS INDICATED IN THE APPROVED PROJECT SCHEDULE, CONSTRUCTION PLANS, AND EROSION CONTROL REPORT.

AT ALL TIMES DURING CONSTRUCTION, THE DEVELOPER SHALL BE RESPONSIBLE FOR PREVENTING AND CONTROLLING ON-SITE EROSION INCLUDING KEEPING THE PROPERTY SUFFICIENTLY WATERED SO AS TO PATCH SHALL BLEND SMOOTHLY INTO THE EXISTING SURFACE. THE DETERMINATION OF NEED FOR A MINIMIZE WIND BLOWN SEDIMENT. THE DEVELOPER SHALL ALSO BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL EROSION CONTROL FACILITIES SHOWN THEM.

PRE-DISTURBANCE VEGETATION SHALL BE PROTECTED AND RETAINED WHEREVER POSSIBLE. REMOVAL OR DISTURBANCE OF EXISTING VEGETATION SHALL BE LIMITED TO THE AREA(S) REQUIRED FOR IMMEDIATE CONSTRUCTION OPERATION, AND FOR THE SHORTEST PRACTICAL PÉRIOD OF TIME.

ALL SOILS EXPOSED DURING LAND DISTURBING ACTIVITY (STRIPPING, GRADING, UTILITY INSTALLATIONS, STOCKPILING, FILLING, ETC.) SHALL BE KEPT IN A ROUGHENED CONDITION BY RIPPING OR DISKING ALONG LAND CONTOURS UNTIL MULCH, VEGETATION, OR OTHER PERMANENT EROSION CONTROL BMP'S ARE INSTALLED. NO SOILS IN AREAS OUTSIDE PROJECT STREET RIGHTS-OF-WAY SHALL REMAIN EXPOSED BY LAND DISTURBING ACTIVITIES FOR MORE THAN THIRTY (30) DAYS BEFORE REQUIRED TEMPORARY OR PERMANENT EROSION CONTROL (E.G. SEED/MULCH, LANDSCAPING, ETC.) IS INSTALLED, UNLESS OTHERWISE APPROVED BY THE CITY OF FORT COLLINS.

IN ORDER TO MINIMIZE EROSION POTENTIAL, ALL TEMPORARY (STRUCTURAL) EROSION CONTROL MEASURES SHALL:

A. BE INSPECTED AT A MINIMUM OF EVERY TWO (2) WEEKS AND AFTER EACH SIGNIFICANT STORM EVENT AND REPAIRED OR RECONSTRUCTED AS NECESSARY IN ORDER TO ENSURE THE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.

B. REMAIN IN PLACE UNTIL SUCH TIME AS ALL THE SURROUNDING DISTURBED AREAS ARE SUFFICIENTLY STABILIZED AS DETERMINED BY THE EROSION CONTROL INSPECTOR.

C. BE REMOVED AFTER THE SITE HAS BEEN SUFFICIENTLY STABILIZED AS DETERMINED BY THE EROSION CONTROL INSPECTOR.

WHEN TEMPORARY EROSION CONTROL MEASURES ARE REMOVED, THE DEVELOPER SHALL BE RESPONSIBLE FOR THE CLEAN UP AND REMOVAL OF ALL SEDIMENT AND DEBRIS FROM ALL DRAINAGE INFRASTRUCTURE AND OTHER PUBLIC FACILITIES.

THE CONTRACTOR SHALL CLEAN UP ANY INADVERTENT DEPOSITED MATERIAL IMMEDIATELY AND MAKE SURE STREETS ARE FREE OF ALL MATERIALS BY THE END OF EACH WORKING DAY.

ALL RETAINED SEDIMENTS, PARTICULARLY THOSE ON PAVED ROADWAY SURFACES, SHALL BE REMOVED 3. ALL SIGNAGE SHALL BE PER CITY OF FORT COLLINS STANDARDS AND THESE DRAWINGS, OR AS AND DISPOSED OF IN A MANNER AND LOCATION SO AS NOT TO CAUSE THEIR RELEASE INTO ANY WATERS OF THE UNITED STATES.

NO SOIL STOCKPILE SHALL EXCEED TEN (10 FEET IN HEIGHT. ALL SOIL STOCKPILES SHALL BE PROTECTED FROM SEDIMENT TRANSPORT BY SURFACE ROUGHENING, WATERING, AND PERIMETER SILT FENCING. ANY SOIL STOCKPILE REMAINING AFTER THIRTY (30) DAYS SHALL BE SEEDED AND MULCHED.

THE STORMWATER VOLUME CAPACITY OF DETENTION PONDS WILL BE RESTORED AND STORM SEWER LINES WILL BE CLEANED UPON COMPLETION OF THE PROJECT AND BEFORE TURNING THE MAINTENANCE OVER THE CITY OF FORT COLLINS OR HOMEOWNERS ASSOCIATION (HOA).

CITY ORDINANCE AND COLORADO DISCHARGE PERMIT SYSTEM (CDPS) REQUIREMENTS MAKE IT UNLAWFUL TO DISCHARGE OR ALLOW THE DISCHARGE OF ANY POLLUTANT OR CONTAMINATED WATER FROM CONSTRUCTION SITES. POLLUTANTS INCLUDE, BUT ARE NOT LIMITED TO DISCARDED BUILDINGS MATERIALS, CONCRETE TRUCK WASHOUT, CHEMICALS, OIL AND GAS PRODUCTS, LITTER, AND SANITARY ROAD AND BRIDGE CONSTRUCTION. WASTE. THE DEVELOPER SHALL AT ALL TIMES TAKE WHATEVER MEASURES ARE NECESSARY TO ASSURE THE PROPER CONTAINMENT AND DISPOSAL OF POLLUTANTS ON THE SITE IN ACCORDANCE WITH ANY AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

A DESIGNATED AREA SHALL BE PROVIDED ON SITE FOR CONCRETE TRUCK CHUTE WASHOUT. THE AREA SHALL BE CONSTRUCTED SO AS TO CONTAIN WASHOUT MATERIAL AND LOCATED AT LEAST FIFTY (50) FEET AWAY FROM ANY WATERWAY DURING CONSTRUCTION. UPON COMPLETION OF CONSTRUCTION ACTIVITIES THE CONCRETE WASHOUT MATERIAL WILL BE REMOVED AND PROPERTY DISPOSED OF PRIOR TO THE AREA BEING RESTORED.

CONDITIONS IN THE FIELD MAY WARRANT EROSION CONTROL MEASURES IN ADDITION TO WHAT IS SHOWN ON THESE PLANS. THE DEVELOPER SHALL IMPLEMENT WHATEVER MEASURES ARE DETERMINED 11. THE CONTRACTOR INSTALLING SIGNS SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING NECESSARY, AS DIRECTED BY THE CITY OF FORT COLLINS.

ALL VEHICLE TRACKING CONTROL PAD SHALL BE INSTALLED WHEN NEEDED FOR CONSTRUCTION EQUIPMENT, INCLUDING BUT NOT LIMITED TO PERSONAL VEHICLES EXITING EXISTING ROADWAYS. NO EARTHEN MATERIALS, I.E. STONE, DIRT, ETC. SHALL BE PLACED IN THE CURB AND GUTTER OR ROADWAY AS A RAMP TO ACCESS TEMPORARY STOCKPILES, STAGING AREAS, CONSTRUCTION MATERIALS, CONCRETE WASHOUT AREAS, AND/OR BUILDING SITES.

B. STREET IMPROVEMENTS NOTES:

1. ALL STREET CONSTRUCTION IS SUBJECT TO THE GENERAL NOTES OF THESE PLANS AS WELL AS THE STREET IMPROVEMENTS NOTES LISTED HERE.

2. A PAVING SECTION DESIGN, SIGNED AND STAMPED BY A COLORADO LICENSED TRAFFIC ENGINEER, MUST BE SUBMITTED TO THE CITY OF FORT COLLINS TRAFFIC ENGINEER FOR APPROVAL, PRIOR TO ANY STREET CONSTRUCTION ACTIVITY, (FULL DEPTH ASPHALT SECTIONS ARE NOT PERMITTED AT A DEPTH GREATER THAN 8 INCHES OF ASPHALT). THE JOB MIX SHALL BE SUBMITTED FOR APPROVAL PRIOR TO PLACEMENT OF ANY ASPHALT.

3. WHERE PROPOSED PAVING ADJOINS EXISTING ASPHALT, THE EXISTING ASPHALT SHALL BE SAW CUT. A MINIMUM DISTANCE OF 12 INCHES FROM THE EXISTING EDGE. TO CREATE A CLEAN A. STANDARD GRADING AND EROSION AND SEDIMENT CONTROL CONSTRUCTION PLAN NOTES CONSTRUCTION JOINT. THE DEVELOPER SHALL BE REQUIRED TO REMOVE EXISTING PAVEMENT TO A DISTANCE WHERE A CLEAN CONSTRUCTION JOINT CAN BE MADE. WHEEL CUTS SHALL NOT BE ALLOWED UNLESS APPROVED BY THE CITY OF FORT COLLINS ENGINEER.

> 4. STREET SUBGRADES SHALL BE SCARIFIED THE TOP 12 INCHES AND RE-COMPACTED PRIOR TO SUBBASE INSTALLATION. NO BASE MATERIAL SHALL BE LAID UNTIL THE SUBGRADE HAS BEEN INSPECTED AND APPROVED BY THE CITY OF FORT COLLINS TRAFFIC ENGINEER.

> 5. VALVE BOXES AND MANHOLES ARE TO BE BROUGHT UP TO GRADE AT THE TIME OF PAVEMENT PLACEMENT OR OVERLAY. VALVE BOX ADJUSTING RINGS ARE NOT ALLOWED.

6. WHEN AN EXISTING ASPHALT STREET MUST BE CUT, THE STREET MUST BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL CONDITION. THE EXISTING STREET CONDITION SHALL BE DOCUMENTED BY THE INSPECTOR BEFORE ANY CUTS ARE MADE. CUTTING AND PATCHING SHALL BE DONE IN CONFORMANCE WITH CHAPTER 25, RECONSTRUCTION AND REPAIR. THE FINISHED COMPLETE OVERLAY SHALL BE MADE BY THE CITY OF FORT COLLINS ENGINEER. ALL OVERLAY WORK SHALL BE COORDINATED WITH ADJACENT LANDOWNERS SUCH THAT FUTURE PROJECTS DO NOT CUT THE NEW ASPHALT OVERLAY WORK.

7. ALL TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE WITH THESE PLANS OR AS OTHERWISE UTILITY DEPARTMENT. SPECIFIED IN M.U.T.C.D. (INCLUDING COLORADO SUPPLEMENT) AND AS PER THE RIGHT-OF-WAY WORK PERMIT TRAFFIC CONTROL PLAN.

8. THE DEVELOPER IS REQUIRED TO PERFORM A GUTTER WATER FLOW TEST IN THE PRESENCE OF THE CITY OF FORT COLLINS INSPECTOR AND PRIOR TO INSTALLATION OF ASPHALT. GUTTERS THAT HOLD MORE THAN 1/4 INCH DEEP OR 5 FEET LONGITUDINALLY, OF WATER, SHALL BE COMPLETELY REMOVED AND RECONSTRUCTED TO DRAIN PROPERLY.

9. PRIOR TO PLACEMENT OF H.B.P. OR CONCRETE WITHIN THE STREET AND AFTER MOISTURE/DENSITY 2. SANITARY SEWER PIPE MATERIAL SPECIFICATIONS ARE AS FOLLOWS: TESTS HAVE BEEN TAKEN ON THE SUBGRADE MATERIAL (WHEN A FULL DEPTH SECTION IS PROPOSED) OR ON THE SUBGRADE AND BASE MATERIAL (WHEN A COMPOSITE SECTION IS PROPOSED), A MECHANICAL "PROOF ROLL" WILL BE REQUIRED. THE ENTIRE SUBGRADE AND OR BASE MATERIAL SHALL BE ROLLED WITH A HEAVILY LOADED VEHICLE HAVING A TOTAL GVW OF NOT LESS THAN 50,000 LBS. AND A SINGLE AXLE WEIGHT OF AT LEAST 18,000 LBS. WITH PNEUMATIC TIRES INFLATED TO NOT LESS THAT 90 P.S.I.G. "PROOF ROLL" VEHICLES SHALL NOT TRAVEL AT SPEEDS GREATER THAN 3 M.P.H. ANY PORTION OF THE SUBGRADE OR BASE MATERIAL WHICH EXHIBITS EXCESSIVE PUMPING OR DEFORMATION, AS DETERMINED BY THE CITY OF FORT COLLINS TRAFFIC ENGINEER, SHALL BE REWORKED, REPLACED OR OTHERWISE MODIFIED TO FORM A SMOOTH, NON-YIELDING SURFACE. THE CITY OF FORT COLLINS ENGINEER SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE "PROOF ROLL." ALL "PROOF ROLLS" SHALL BE PREFORMED IN THE PRESENCE OF AN INSPECTOR.

C. TRAFFIC SIGNS AND PAVEMENT MARKING CONSTRUCTION NOTES:

1. ALL SIGNAGE AND MARKINGS ARE SUBJECT TO THE GENERAL NOTES AS WELL AS THE TRAFFIC SIGNING AND PAVEMENT MARKING CONSTRUCTION NOTES.

2. ALL SYMBOLS, INCLUDING ARROWS, ONLYS, CROSSWALKS, STOP BARS, ETC. SHALL BE FLINT PREMARK (PRE-FORMED THERMO PLASTIC).

OTHERWISE SPECIFIED IN THE MUTCD.

4. ALL LANE LINES FOR ASPHALT PAVEMENT SHALL RECEIVE TWO COATS OF LATEX PAINT WITH GLASS BEADS.

5. ALL LANE LINES FOR CONCRETE PAVEMENT SHOULD BE EPOXY PAINT.

6. PRIOR TO PERMANENT INSTALLATION OF TRAFFIC STRIPING AND SYMBOLS. THE CONTRACTOR SHALL PLACE TEMPORARY TABS OR TAPE DEPICTING ALIGNMENT AND PLACEMENT OF THE SAME. THEIR PLACEMENT SHALL BE APPROVED BY THE CITY OF FORT COLLINS TRAFFIC ENGINEER PRIOR TO PERMANENT INSTALLATION OF STRIPING AND SYMBOLS.

7. EPOXY APPLICATIONS SHALL BE APPLIED AS SPECIFIED IN CDOT STANDARD SPECIFICATION FOR

8. ALL SURFACES SHALL BE THOROUGHLY CLEANED PRIOR TO INSTALLATION OF STRIPING AND MARKINGS.

9. ALL SIGN POST SHALL UTILIZE BREAK-AWAY ASSEMBLIES AND FASTENERS.

10. A FIELD INSPECTION OF LOCATION AND INSTALLATION OF ALL SIGNS SHALL BE PERFORMED BY THE CITY OF FORT COLLINS TRAFFIC ENGINEER. ALL DISCREPANCIES INDENTIFIED DURING THE FIELD INSPECTION MUST BE CORRECTED BEFORE THE 2-YEAR WARRANTY PERIOD BEGINS.

ALL UNDERGROUND UTILITIES.

12. SPECIAL CARE SHALL BE TAKEN IN SIGN LOCATION TO ENSURE AN UNOBSTRUCTED VIEW OF EACH SIGN.

13. SIGNAGE AND STRIPING HAS BEEN DETERMINED BY THE INFORMATION AVAILABLE AT THE TIME OF REVIEW. PRIOR TO INITIATION OF THE WARRANTY PERIOD, THE CITY OF FORT COLLINS TRAFFIC ENGINEER RESERVES THE RIGHT TO REQUIRE ADDITIONAL SIGNAGE AND OR STRIPING IF THE CITY OF FORT COLLINS TRAFFIC ENGINEEER DETERMINES THAT AN UNFORSEEN CONDITION WARRANTS SUCH SIGNAGE ACCORDING TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) OR CDOT M AND S STANDARDS. ALL SIGNAGE SHALL FALL UNDER THE REQUIREMENTS OF THE 2-YEAR WARRANTY PERIOD FOR NEW CONSTRUCTION

14. SLEEVES FOR SIGN POSTS SHALL BE REQUIRED FOR USE IN ISLANDS/MEDIANS. REFER TO LARIMER COUNTY URBAN AREA STREET STANDARDS CHAPTER 14. TRAFFIC CONTROL DEVICES, FOR ADDITIONAL INFORMATION.

D. STORM DRAINAGE NOTES:

1. THE CITY OF FORT COLLINS SHALL NOT BE RESPONSIBLE FOR THE MAINTENANCE OF STORM DRAINAGE FACILITIES LOCATED ON PRIVATE PROPERTY. MAINTENANCE OF ONSITE DRAINAGE FACILITIES SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER(S).

2. ALL RECOMMENDATIONS OF THE FINAL DRAINAGE AND EROSION CONTROL STUDY "PARKING AT 112" WEST MAGNOLIA STREET" BY QUALITY ENGINEERING, LLC, SHALL BE FOLLOWED AND IMPLEMENTED.

3. PRIOR TO FINAL INSPECTION AND ACCEPTANCE BY THE CITY OF FORT COLLINS, CERTIFICATION OF THE DRAINAGE FACILITIES, BY A REGISTERED ENGINEER, MUST BY SUBMITTED TO AND APPROVED BY THE STORMWATER UTILITY DEPARTMENT. CERTIFICATION SHALL BE SUBMITTED TO THE STORMWATER UTILITY DEPARTMENT AT LEAST TWO WEEKS PRIOR TO THE RELEASE OF A CERTIFICATE OF OCCUPANCY FOR SINGLE FAMILY UNITS. FOR COMMERCIAL PROPERTIES, CERTIFICATION SHALL BY SUBMITTED TO THE STORMWATER UTILITY DEPARTMENT AT LEAST TWO WEEKS PRIOR TO THE RELEASE OF ANY BUILDING PERMITS IN EXCESS OF THOSE ALLOWED PRIOR TO CERTIFICATION PER THE DEVELOPMENT AGREEMENT.

E. WATERLINE NOTES:

1. THE MINIMUM COVER OVER WATER LINES IS 4.5 FEET AND THE MAXIMUM COVER IS 5.5 FEET UNLESS OTHERWISE NOTED IN THE PLANS AND APPROVED BY THE CITY OF FORT COLLINS WATER

F. SEWER MAIN NOTES AND SPECIFICATIONS:

1. SANITARY SEWER MAIN CONSTRUCTION SHALL CONFORM TO THE CITY OF FORT COLLINS' MOST RECENT SANITARY SEWER SPECIFICATIONS. A COPY OF THE SPECIFICATIONS MAY BE OBTAINED FROM THE CITY OF FORT COLLINS WATER/WASTEWATER UTILITY DEPARTMENT AT 700 NORTH WOOD STREET IN FORT COLLINS.

A. POLYVINYL CHLORIDE PIPE (PVC) - ALL PVC SEWER PIPE SHALL BE UNPLASTICIZED POLYVINYL CHLORIDE PLASTIC GRAVITY SEWER PIPE "J-M RING-TITE PVC SEWER", "CERTAIN TEED FLUID-TITE PVC GRAVITY SEWER PIPE", OR APPROVED EQUAL WITH INTEGRAL WALL BELL AND SPIGOT JOINTS. PIPE SHALL BE MADE FROM MATERIALS CONFORMING TO ASTM D1784. THE PIPE SHALL BE SUITABLE FOR USE AS A GRAVITY SEWER CONDUIT WITH PROVISIONS MADE FOR CONTRACTION AND EXPANSION AT EACH JOINT WITH A RUBBER RING. ALL GRAVITY SEWER PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM D3034 AND HAVE A STANDARD DIMENSION RATIO (SDR) OF 35 OR LESS. THE MINIMUM PIPE STIFFNESS AT 5% DEFLECTION SHALL BE 46 PSI WHEN TESTED IN ACCORDANCE WITH ASTM D24212.

3. ALL SEWER LINES SHALL BE TESTED BY THE CONTRACTOR FOR WATER TIGHTNESS PRIOR TO BEING PLACED INTO SERVICE. ALL SERVICE CONNECTIONS SHALL BE COMPLETED PRIOR TO TESTING. TESTING SHALL BE DONE BY AIR PRESSURE TESTING IN ACCORDANCE WITH THE CITY'S SPECIFICATIONS. IF ANY LEAKS ARE DISCOVERED THEY SHALL BE LOCATED AND REPAIRED AT THE CONTRACTOR'S EXPENSE AND THE LINE RE-TESTED. ALL TESTING SHALL BE OBSERVED BY THE CITY OF FORT COLLINS INSPECTOR.

4. DISTANCES SHOWN FOR SANITARY SEWER ARE THE HORIZONTAL DISTANCES FROM CENTER OF MANHOLE TO CENTER OF MANHOLE. THEREFORE, DISTANCES SHOWN ON THE PLANS ARE APPROXIMATE AND COULD VARY DUE TO VERTICAL ALIGNMENT AND MANHOLE WIDTHS.

5. SANITARY SEWER SERVICE WYES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM ANY WATER

6. RIM ELEVATIONS SHOWN ARE APPROXIMATED ONLY AND ARE NOT TO BE TAKEN AS FINAL ELEVATIONS. THE CONTRACTOR SHALL USE PRE CAST CONCRETE ADJUSTMENT RINGS TO ADJUST THE MANHOLE FRAME TO MATCH THE FINISHED STREET SURFACE, SUCH THAT THERE ARE NO MORE THAN SIXTEEN (16) INCHES FROM FINISHED GRADE TO THE TOP OF THE CONE SECTION.

7. MANHOLE COVERS SHALL BE ALIGNED TO PROVIDE A MINIMUM OF THREE (3) FEET CLEARANCE BETWEEN THE MANHOLE RING AND THE LIP OF GUTTER.

8. ALL EXISTING AND PROPOSED MANHOLE COVERS SHALL BE ADJUSTED TO 1/4 INCH BELOW THE FINISHED STREET SURFACE.

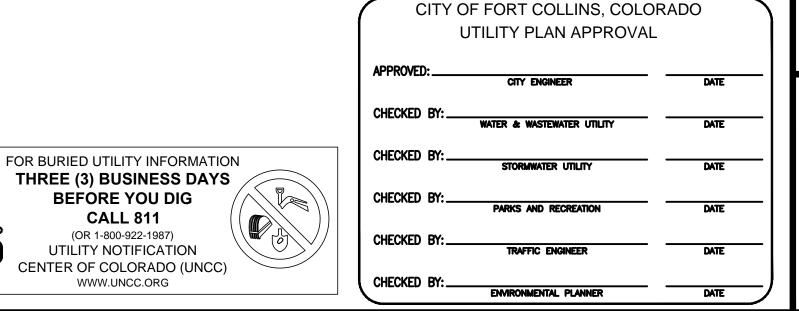
9. THE CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL ALIGNMENT OF ALL POINTS OF CONNECTION AND UTILITY CROSSINGS PRIOR TO INSTALLING ANY SEWER MAIN PIPE. IF A DESIGN MODIFICATION IS REQUIRED IT SHALL BE COORDINATED WITH THE ENGINEER AND APPROVED BY THE CITY OF FORT COLLINS.

10. THE CONTRACTOR SHALL CONSTRUCT THE SEWER SERVICES TO THE BACK OF THE UTILITY EASEMENT AND SHALL MARK THE LOCATION OF THE END OF THE SERVICE WITH A 4" X 4" WOOD POST EXTENDING FROM THE SANITARY SEWER SERVICE TO TWO (2) FOOT ABOVE FINISHED GRADE.

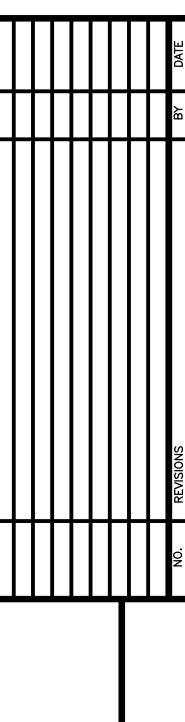
11. THE CONTRACTOR SHALL VACUUM TEST ALL SANITARY SEWER MANHOLES PRIOR TO ACCEPTANCE.

12. OUTSIDE DROP OF DROP MANHOLES SHALL BE ENCASED IN CONCRETE PER CITY'S REQUIREMENTS.

13. ALL FOUR INCH (4") SANITARY SEWER LATERALS SHALL BE INSTALLED AT A POSITIVE GRADE OF 2.0% (1/4" PER FOOT) FROM THEIR CONNECTION TO THE SANITARY SEWER MAIN TOWARDS THE PROPOSED STRUCTURE. THIS GRADE SHALL BE HELD TO ACHIEVE THE MAXIMUM DEPTH POSSIBLE FOR THE SANITARY SEWER LATERAL AT THE BUILDING FOUNDATION. A DECREASE OR FLATTENING OF THE GRADE SHALL NOT BE ALLOWED. AN INCREASE OR STEEPENING OF THE GRADE MAY BE ALLOWED IN CERTAIN SITUATIONS ONLY UPON APPROVAL OF THE ENGINEER.







FOR REVIEW ONLY

NOT FOR CONSTRUCTION

CHECKED BY: DESIGNED BY: RJP RJP DRAWN BY: DATE: MAY 2017 SCALE PROJECT NO.: 7040-007 C1.1

SHEET 2 OF 9

- AS ADOPTED FROM LARIMER COUNTY URBAN AREA STREET STANDARDS APPENDIX E
- 1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF PUBLIC IMPROVEMENTS SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE LARIMER COUNTY URBAN AREA STREET STANDARDS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE MOST RESTRICTIVE STANDARD SHALL APPLY. ALL WORK SHALL BE INSPECTED AND APPROVED BY THE CITY OF FORT COLLINS.
- 2. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
- 3. THESE PUBLIC IMPROVEMENT CONSTRUCTION PLANS SHALL BE VALID FOR A PERIOD OF THREE YEARS FROM THE DATE OF APPROVAL BY THE CITY OF FORT COLLINS ENGINEER. USE OF THESE PLANS AFTER THE EXPIRATION DATE WILL REQUIRE A NEW REVIEW AND APPROVAL PROCESS BY THE CITY OF FORT COLLINS PRIOR TO COMMENCEMENT OF ANY WORK SHOWN IN THESE PLANS.
- 4. THE ENGINEER WHO HAS PREPARED THESE PLANS, BY EXECUTION AND/OR SEAL HEREOF, DOES HEREBY AFFIRM RESPONSIBILITY TO THE CITY OF FORT COLLINS. AS BENEFICIARY OF SAID ENGINEER'S WORK, FOR ANY ERRORS AND OMISSIONS CONTAINED IN THESE PLANS, AND APPROVAL OF THESE PLANS BY THE CITY OF FORT COLLINS ENGINEER SHALL NOT RELIEVE THE ENGINEER WHO HAS PREPARED THESE PLANS OF ALL SUCH RESPONSIBILITY. FURTHER. TO THE 23. THE DEVELOPER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR ALL EXTENT PERMITTED BY LAW, THE ENGINEER HEREBY AGREES TO HOLD HARMLESS AND INDEMNIFY THE CITY OF FORT COLLINS, AND ITS OFFICERS AND EMPLOYEES, FROM AND AGAINST ALL LIABILITIES, CLAIMS, AND DEMANDS WHICH MAY ARISE FROM ANY ERRORS AND OMISSIONS CONTAINED IN THESE PLANS.
- 5. ALL SANITARY SEWER AND WATER LINE CONSTRUCTION AND ALL POWER AND OTHER "DRY" UTILITY INSTALLATIONS, SHALL CONFORM TO THE CITY OF FORT COLLINS STANDARDS AND SPECIFICATIONS CURRENT AT THE DATE OF APPROVAL OF THE PLANS BY THE CITY OF FORT COLLINS ENGINEER.
- 6. THE TYPE, SIZE, LOCATION AND NUMBER OF ALL KNOWN UNDERGROUND UTILITIES ARE APPROXIMATE WHEN SHOWN ON THE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF THE WORK BEFORE COMMENCING NEW CONSTRUCTION. THE DEVELOPER SHALL BE RESPONSIBLE FOR UNKNOWN UNDERGROUND UTILITIES.
- 7. THE ENGINEER SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) AT 1-800-922-1987, AT LEAST 2 WORKING DAYS PRIOR TO BEGINNING EXCAVATION OR GRADING, TO HAVE ALL REGISTERED UTILITY LOCATIONS MARKED. OTHER UNREGISTERED UTILITY ENTITIES (I.E. DITCH/IRRIGATION COMPANY) ARE TO BE LOCATED BY CONTACTING THE RESPECTIVE REPRESENTATIVE. UTILITY SERVICE LATERALS ARE ALSO TO BE LOCATED PRIOR TO BEGINNING EXCAVATION OR GRADING. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- 8. THE DEVELOPER SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES DURING CONSTRUCTION AND FOR COORDINATING WITH THE APPROPRIATE UTILITY COMPANY FOR ANY UTILITY CROSSINGS REQUIRED.
- 9. IF A CONFLICT EXISTS BETWEEN EXISTING AND PROPOSED UTILITIES AND/OR A DESIGN MODIFICATION IS REQUIRED, THE DEVELOPER SHALL COORDINATE WITH THE ENGINEER TO MODIFY THE DESIGN. DESIGN MODIFICATION(S) MUST BE APPROVED BY THE CITY OF FORT COLLINS PRIOR TO BEGINNING CONSTRUCTION.
- 10. THE DEVELOPER SHALL COORDINATE AND COOPERATE WITH THE CITY OF FORT COLLINS, AND ALL UTILITY COMPANIES INVOLVED. TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE DEVELOPER SHALL BE RESPONSIBLE FOR CONTACTING, IN ADVANCE, ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE AS WELL AS THE UTILITY COMPANIES.
- 11. NO WORK MAY COMMENCE WITHIN ANY PUBLIC STORM WATER, SANITARY SEWER OR POTABLE WATER SYSTEM UNTIL THE DEVELOPER NOTIFIES THE UTILITY PROVIDER. NOTIFICATION SHALL BE A MINIMUM OF 2 WORKING DAYS PRIOR TO COMMENCEMENT OF ANY WORK. AT THE DISCRETION OF THE WATER UTILITY PROVIDER. A PRE-CONSTRUCTION MEETING MAY BE REQUIRED PRIOR TO COMMENCEMENT OF ANY WORK.
- 12. THE DEVELOPER SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF THE WATER LINES AND DRY UTILITIES.
- 13. THE MINIMUM COVER OVER WATER LINES IS 4.5 FEET AND THE MAXIMUM COVER IS 5.5 FEET UNLESS OTHERWISE NOTED IN THE PLANS AND APPROVED BY THE WATER UTILITY.
- 14. A STATE CONSTRUCTION DEWATERING WASTEWATER DISCHARGE PERMIT IS REQUIRED IF DEWATERING IS REQUIRED IN ORDER TO INSTALL UTILITIES OR WATER IS DISCHARGED INTO A STORM SEWER. CHANNEL. IRRIGATION DITCH OR ANY WATERS OF THE UNITED STATES.
- 15. THE DEVELOPER SHALL COMPLY WITH ALL TERMS AND CONDITIONS OF THE COLORADO PERMIT FOR STORM WATER DISCHARGE (CONTACT COLORADO DEPARTMENT OF HEALTH, WATER QUALITY CONTROL DIVISION, (303) 692-3590), THE STORM WATER MANAGEMENT PLAN, AND THE EROSION CONTROL PLAN.
- 16. THE CITY OF FORT COLLINS SHALL NOT BE RESPONSIBLE FOR THE MAINTENANCE OF STORM DRAINAGE FACILITIES LOCATED ON PRIVATE PROPERTY. MAINTENANCE OF ONSITE DRAINAGE FACILITIES SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER(S).
- 17. PRIOR TO FINAL INSPECTION AND ACCEPTANCE BY THE CITY OF FORT COLLINS, CERTIFICATION OF THE DRAINAGE FACILITIES, BY A REGISTERED ENGINEER, MUST BE SUBMITTED TO AND APPROVED 33. THE DEVELOPER IS RESPONSIBLE FOR ALL COSTS FOR THE INITIAL INSTALLATION OF TRAFFIC BY THE STORMWATER UTILITY DEPARTMENT. CERTIFICATION SHALL BE SUBMITTED TO THE STORMWATER UTILITY DEPARTMENT AT LEAST TWO WEEKS PRIOR TO THE RELEASE OF A CERTIFICATE OF OCCUPANCY FOR SINGLE FAMILY UNITS. FOR COMMERCIAL PROPERTIES, CERTIFICATION SHALL BE SUBMITTED TO THE STORMWATER UTILITY DEPARTMENT AT LEAST TWO WEEKS PRIOR TO THE RELEASE OF ANY BUILDING PERMITS IN EXCESS OF THOSE ALLOWED PRIOR TO CERTIFICATION PER THE DEVELOPMENT AGREEMENT.
- 18. THE CITY OF FORT COLLINS SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES OR INJURIES SUSTAINED IN THIS DEVELOPMENT AS A RESULT OF GROUNDWATER SEEPAGE, WHETHER

- RESULTING FROM GROUNDWATER FLOODING, STRUCTURAL DAMAGE OR OTHER DAMAGE UNLESS SUCH DAMAGE OR INJURIES ARE SUSTAINED AS A RESULT OF THE CITY OF FORT COLLINS FAILURE TO PROPERLY MAINTAIN ITS WATER, WASTEWATER, AND OR STORM DRAINAGE FACILITIES IN THE DEVELOPMENT.
- 19. ALL RECOMMENDATIONS OF THE FINAL DRAINAGE AND SWMP, OF "PARKING AT 112 WEST MAGNOLIA STREET" BY QUALITY ENGINEERING., SHALL BE FOLLOWED AND IMPLEMENTED.
- 20. TEMPORARY EROSION CONTROL DURING CONSTRUCTION SHALL BE PROVIDED AS SHOWN ON THE EROSION CONTROL PLAN. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE DEVELOPER, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS IS STABILIZED WITH HARD SURFACE OR LANDSCAPING.
- 21. THE DEVELOPER SHALL BE RESPONSIBLE FOR INSURING THAT NO MUD OR DEBRIS SHALL BE TRACKED ONTO THE EXISTING PUBLIC STREET SYSTEM. MUD AND DEBRIS MUST BE REMOVED WITHIN 24 HOURS BY AN APPROPRIATE MECHANICAL METHOD (I.E. MACHINE BROOM SWEEP. LIGHT DUTY FRONT-END LOADER, ETC.) OR AS APPROVED BY THE CITY OF FORT COLLINS STREET INSPECTOR.
- 22. NO WORK MAY COMMENCE WITHIN ANY IMPROVED OR UNIMPROVED PUBLIC RIGHT-OF-WAY UNTIL A RIGHT-OF-WAY PERMIT OR DEVELOPMENT CONSTRUCTION PERMIT IS OBTAINED, IF APPLICABLE.
- APPLICABLE AGENCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE DEVELOPER SHALL NOTIFY THE CITY OF FORT COLLINS ENGINEERING INSPECTOR (FORT COLLINS - 221-6605) AND THE CITY OF FORT COLLINS EROSION CONTROL INSPECTOR (FORT COLLINS - 221-6700) AT LEAST 2 WORKING DAYS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY, OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS. IF THE CITY OF FORT COLLINS ENGINEER IS NOT AVAILABLE AFTER PROPER NOTICE OF CONSTRUCTION ACTIVITY HAS BEEN PROVIDED, THE DEVELOPER MAY COMMENCE WORK IN THE ENGINEERS ABSENCE. HOWEVER, THE CITY OF FORT COLLINS RESERVES THE RIGHT NOT TO ACCEPT THE IMPROVEMENT IF SUBSEQUENT TESTING REVEALS AN IMPROPER INSTALLATION.
- 24. THE DEVELOPER SHALL BE RESPONSIBLE FOR OBTAINING SOILS TESTS WITHIN THE PUBLIC RIGHT-OF-WAY AFTER RIGHT OF WAY GRADING AND ALL UTILITY TRENCH WORK IS COMPLETE AND PRIOR TO THE PLACEMENT OF CURB, GUTTER, SIDEWALK AND PAVEMENT. IF THE FINAL SOILS / PAVEMENT DESIGN REPORT DOES NOT CORRESPOND WITH THE RESULTS OF THE ORIGINAL GEOTECHNICAL REPORT, THE DEVELOPER SHALL BE RESPONSIBLE FOR A RE-DESIGN OF THE SUBJECT PAVEMENT SECTION OR, THE DEVELOPER MAY USE THE CITY OF FORT COLLINS'S DEFAULT PAVEMENT THICKNESS SECTION(S). REGARDLESS OF THE OPTION USED, ALL FINAL SOILS/PAVEMENT DESIGN REPORTS SHALL BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER. THE FINAL REPORT SHALL BE SUBMITTED TO THE INSPECTOR A MINIMUM OF 10 WORKING DAYS PRIOR TO PLACEMENT OF BASE AND ASPHALT. PLACEMENT OF CURB. GUTTER. SIDEWALK, BASE AND ASPHALT SHALL NOT OCCUR UNTIL THE CITY OF FORT COLLINS ENGINEER APPROVES THE FINAL REPORT.
- 25. THE CONTRACTOR SHALL HIRE A LICENSED ENGINEER OR LAND SURVEYOR TO SURVEY THE CONSTRUCTED ELEVATIONS OF THE STREET SUBGRADE AND THE GUTTER FLOWLINE AT ALL INTERSECTIONS, INLETS, AND OTHER LOCATIONS REQUESTED BY THE CITY OF FORT COLLINS INSPECTOR. THE ENGINEER OR SURVEYOR MUST CERTIFY IN A LETTER TO THE CITY OF FORT COLLINS THAT THESE ELEVATIONS CONFORM TO THE APPROVED PLANS AND SPECIFICATIONS. ANY DEVIATIONS SHALL BE NOTED IN THE LETTER AND THEN RESOLVED WITH THE CITY OF FORT COLLINS BEFORE INSTALLATION OF BASE COURSE OR ASPHALT WILL BE ALLOWED ON THE STREETS.
- 26. ALL UTILITY INSTALLATIONS WITHIN OR ACROSS THE ROADBED OF NEW RESIDENTIAL ROADS MUST BE COMPLETED PRIOR TO THE FINAL STAGES OF ROAD CONSTRUCTION. FOR THE PURPOSES OF THESE STANDARDS, ANY WORK EXCEPT C/G ABOVE THE SUBGRADE IS CONSIDERED FINAL STAGE WORK. ALL SERVICE LINES MUST BE STUBBED TO THE PROPERTY LINES AND MARKED SO AS TO REDUCE THE EXCAVATION NECESSARY FOR BUILDING CONNECTIONS.
- 27. PORTIONS OF LARIMER COUNTY ARE WITHIN OVERLAY DISTRICTS. THE LARIMER COUNTY FLOODPLAIN RESOLUTION SHOULD BE REFERRED TO FOR ADDITIONAL CRITERIA FOR ROADS WITHIN THESE DISTRICTS.
- 28. ALL ROAD CONSTRUCTION IN AREAS DESIGNATED AS WILD FIRE HAZARD AREAS SHALL BE DONE IN ACCORDANCE WITH THE CONSTRUCTION CRITERIA AS ESTABLISHED IN THE WILD FIRE HAZARD AREA MITIGATION REGULATIONS IN FORCE AT THE TIME OF FINAL PLAT APPROVAL.
- 29. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE CITY OF FORT COLLINS FORESTER TO SCHEDULE A SITE INSPECTION FOR ANY TREE REMOVAL REQUIRING A PERMIT.
- 30. THE DEVELOPER SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY, REFER TO OSHA PUBLICATION 2226, EXCAVATING AND TRENCHING.
- 31. THE DEVELOPER SHALL SUBMIT A CONSTRUCTION TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH MUTCD, TO THE APPROPRIATE RIGHT-OF-WAY AUTHORITY. (CITY OF FORT COLLINS, COUNTY OR STATE), FOR APPROVAL, PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN, OR AFFECTING, THE RIGHT-OF-WAY. THE DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CONSTRUCTION ACTIVITIES.
- 32. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION THAT WILL AFFECT TRAFFIC SIGNS OF ANY TYPE. THE CONTRACTOR SHALL CONTACT CITY OF FORT COLLINS TRAFFIC OPERATIONS DEPARTMENT, WHO WILL TEMPORARILY REMOVE OR RELOCATE THE SIGN AT NO COST TO THE CONTRACTOR: HOWEVER, IF THE CONTRACTOR MOVES THE TRAFFIC SIGN THEN THE CONTRACTOR WILL BE CHARGED FOR THE LABOR. MATERIALS AND EQUIPMENT TO REINSTALL THE SIGN AS NEEDED.
- SIGNING AND STRIPING FOR THE DEVELOPMENT RELATED TO THE DEVELOPMENT'S LOCAL STREET OPERATIONS. IN ADDITION. THE DEVELOPER IS RESPONSIBLE FOR ALL COSTS FOR TRAFFIC SIGNING AND STRIPING RELATED TO DIRECTING TRAFFIC ACCESS TO AND FROM THE DEVELOPMENT.
- 34. THERE SHALL BE NO SITE CONSTRUCTION ACTIVITIES ON SATURDAYS, UNLESS SPECIFICALLY APPROVED BY THE CITY OF FORT COLLINS ENGINEER, AND NO SITE CONSTRUCTION ACTIVITIES ON SUNDAYS OR HOLIDAYS. UNLESS THERE IS PRIOR WRITTEN APPROVAL BY THE CITY OF FORT COLLINS.

- 35. THE DEVELOPER IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS, SHOWN ON THESE DRAWINGS, OR DESIGNATED TO BE PROVIDED, INSTALLED, OR CONSTRUCTED, UNLESS SPECIFICALLY NOTED OTHERWISE.
- 36. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE DESIGNER FOR CLARIFICATION, AND ANNOTATE THE DIMENSION ON THE AS-BUILT RECORD DRAWINGS.
- 37. THE DEVELOPER SHALL HAVE, ONSITE AT ALL TIMES, ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB.
- 38. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE DEVELOPER SHALL CONTACT THE DESIGNER AND THE CITY OF FORT COLLINS ENGINEER IMMEDIATELY.
- 39. THE DEVELOPER SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT ON THE CONSTRUCTION SITE, AND AVAILABLE TO THE CITY OF FORT COLLINS'S INSPECTOR AT ALL TIMES. UPON COMPLETION OF THE WORK, THE CONTRACTOR(S) SHALL SUBMIT RECORD DRAWINGS TO THE CITY OF FORT COLLINS ENGINEER.
- 40. PROJECT DATUM: NAVD88

BENCHMARK #6-00 ON A CATCH BASIN AT THE NORTHWEST CORNER OF MULBERRY STREET AND COLLEGE AVENUE.

ELEVATION: 4993.85

BENCHMARK E 136 IN THE TOWN OF FT. COLLINS, IN THE EAST FACE OF THE NORTHEAST CORNER OF THE U.S. POST OFFICE BUILDING. BRONZE TABLET SET VERTICALLY 3 FEET ABOVE THE GROUND.

ELEVATION: 4995.38

PLEASE NOTE: THIS PLAN SET IS USING NAVD88 FOR A VERTICAL DATUM. SURROUNDING DEVELOPMENTS HAVE USED NGVD29 UNADJUSTED FOR THEIR VERTICAL DATUMS.

IF NGVD29 UNADJUSTED DATUM IS REQUIRED FOR ANY PURPOSE. THE FOLLOWING EQUATION SHOULD BE USED: NGVD29 UNADJUSTED = NAVD88 - 3.17'.

- 41. ALL STATIONING IS BASED ON CENTERLINE OF ROADWAYS EXCEPT AT FLOWLINE PROFILES OR UNLESS OTHERWISE NOTED.
- 42. DAMAGED CURB, GUTTER AND SIDEWALK EXISTING PRIOR TO CONSTRUCTION, AS WELL AS EXISTING FENCES, TREES, STREETS, SIDEWALKS, CURBS AND GUTTERS, LANDSCAPING, STRUCTURES, AND IMPROVEMENTS DESTROYED, DAMAGED OR REMOVED DUE TO CONSTRUCTION OF THIS PROJECT, SHALL BE REPLACED OR RESTORED IN LIKE KIND AT THE DEVELOPER'S EXPENSE, UNLESS OTHERWISE INDICATED ON THESE PLANS, PRIOR TO THE ACCEPTANCE OF COMPLETED IMPROVEMENTS AND/OR PRIOR TO THE ISSUANCE OF THE FIRST CERTIFICATE OF OCCUPANCY.
- 43. WHEN AN EXISTING ASPHALT STREET MUST BE CUT. THE STREET MUST BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL CONDITION. THE ORIGINAL STREET CONDITION SHALL BE DOCUMENTED BY THE CITY OF FORT COLLINS CONSTRUCTION INSPECTOR BEFORE ANY CUTS ARE MADE. PATCHING SHALL BE DONE IN ACCORDANCE WITH THE CITY OF FORT COLLINS STREET REPAIR STANDARDS. THE FINISHED PATCH SHALL BLEND IN SMOOTHLY INTO THE EXISTING SURFACE. ALL LARGE PATCHES SHALL BE PAVED WITH AN ASPHALT LAY-DOWN MACHINE. IN STREETS WHERE MORE THAN ONE CUT IS MADE, AN OVERLAY OF THE ENTIRE STREET WIDTH, INCLUDING THE PATCHED AREA, MAY BE REQUIRED. THE DETERMINATION OF NEED FOR A COMPLETE OVERLAY SHALL BE MADE BY THE CITY OF FORT COLLINS TRAFFIC ENGINEER AND OR THE CITY OF FORT COLLINS INSPECTOR AT THE TIME THE CUTS ARE MADE.
- 44. UPON COMPLETION OF CONSTRUCTION, THE SITE SHALL BE CLEANED AND RESTORED TO A CONDITION EQUAL TO, OR BETTER THAN, THAT WHICH EXISTED BEFORE CONSTRUCTION, OR TO THE GRADES AND CONDITION AS REQUIRED BY THESE PLANS.
- 45. STANDARD HANDICAP RAMPS ARE TO BE CONSTRUCTED AT ALL CURB RETURNS AND AT ALL "T" INTERSECTIONS.
- 46. AFTER ACCEPTANCE BY THE CITY OF FORT COLLINS, PUBLIC IMPROVEMENTS DEPICTED IN THESE PLANS SHALL BE GUARANTEED TO BE FREE FROM MATERIAL AND WORKMANSHIP DEFECTS FOR A MINIMUM PERIOD OF TWO YEARS FROM THE DATE OF ACCEPTANCE.
- 47. THE CITY OF FORT COLLINS SHALL NOT BE RESPONSIBLE FOR THE MAINTENANCE OF ROADWAY AND APPURTENANT IMPROVEMENTS, INCLUDING STORM DRAINAGE STRUCTURES AND PIPES, FOR THE FOLLOWING PRIVATE STREETS: N/A
- 48. APPROVED VARIANCES ARE LISTED AS FOLLOWS: VERTICAL CURVE VARIANCE

FOR BURIED UTILITY INFORMATION

THREE (3) BUSINESS DAYS

BEFORE YOU DIG

CALL 811

(OR 1-800-922-1987)

UTILITY NOTIFICATION

WWW.UNCC.ORG

ENTER OF COLORADO (UNCC)

CITY OF FORT COLLINS, COLORADO UTILITY PLAN APPROVAL CHECKED BY:. CHECKED BY: CHECKED BY: ____

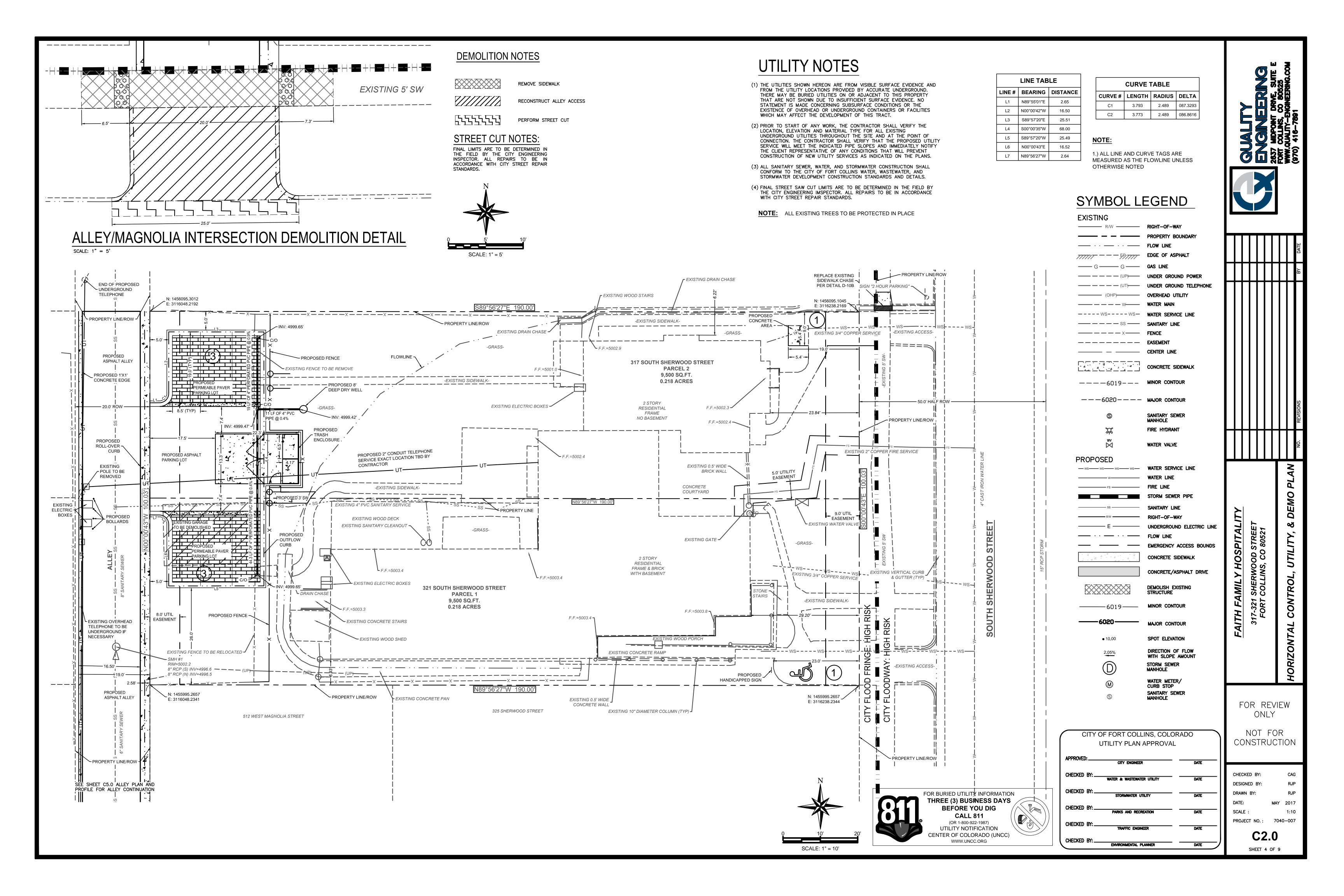
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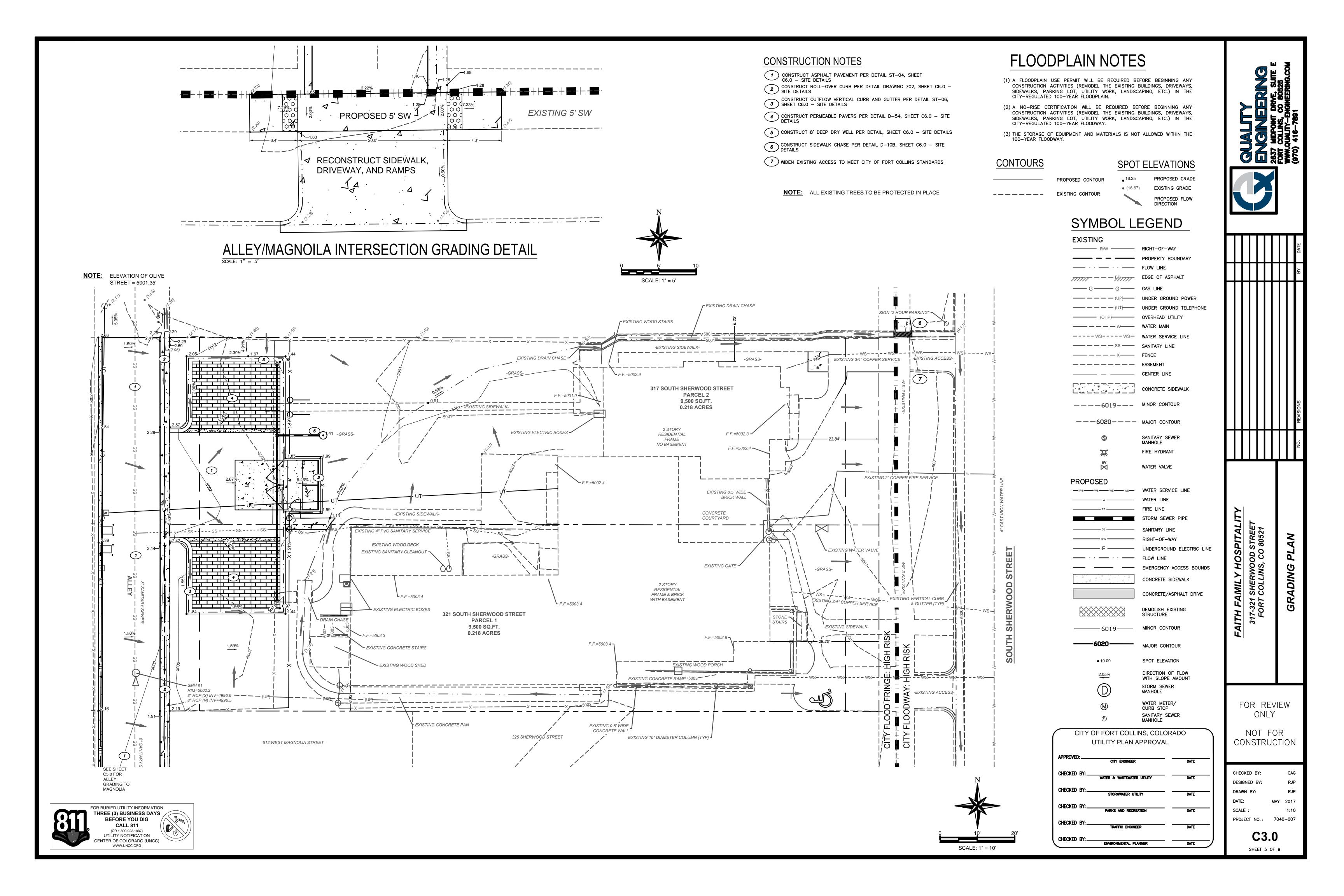
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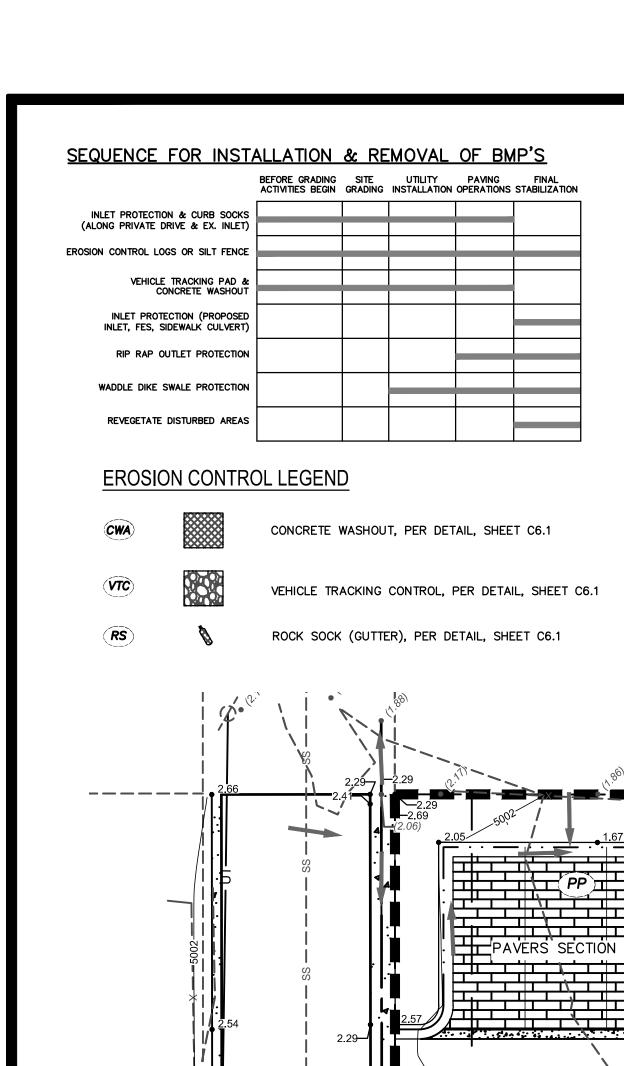
NOT FOR CONSTRUCTION

CHECKED BY: DESIGNED BY: RJP RJP DATE: MAY 2017 SCALE : PROJECT NO.: 7040-007

SHEET 3 OF 9







ROLL-OVER CURB

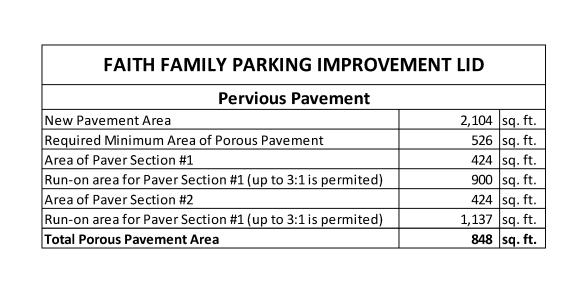
NOTE: VEHICLE TRACKING CONTROL TO BE INSTALLED AT THE ALLEY ACCESS AT

MAGNOLIA AND ROCK SOCKS ARE TO BE INSTALLED EVERY

50' EAST OF THE ALLEY ACCESS UNTIL EXISTING STORM 0.074 0.54

8" RCP (S) INV=4996.6 — — — (UP+

8" RCP (N) INV=4996.5



L.I.D. LEGEND

PERMEABLE PAVERS

DRY WELL

-EXISTING SIDEWALK-

L F.F.=5003.4

EXISTING ELECTRIC BOXES

► EXISTING CONCRETE STAIRS

➤ EXISTING WOOD SHED

EXISTING CONCRETE PAN

F.F.=5003.3

EXISTING WOOD DECK EXISTING SANITARY CLEANOUT

OUTFLOW CURB

512 WEST MAGNOLIA STREET

DRAINAGE LEGEND ✓ MINOR "C" COEFFICIENT DRAINAGE AREA ➤ MAJOR "C" COEFFICIENT DESIGN POINT

EXISTING DRAIN CHASE =

EXISTING ELECTRIC BOXES -

321 SOUTH SHERWOOD STREET PARCEL 1 9,500 SQ.FT. 0.218 ACRES





F.F.=5002.4

L F.F.=5003.4

325 SHERWOOD STREET

F.F.=5003.4

EXISTING 0.5' WIDE CONCRETE WALL

EXISTING WOOD STAIRS

-EXISTING SIDEWALK-

2 STORY

RESIDENTIAL NO BASEMENT

2 STORY RESIDENTIAL FRAME & BRICK

WITH BASEMENT

EXISTING 10" DIAMETER COLUMN (TYP)

317 SOUTH SHERWOOD STREET PARCEL 2 9,500 SQ.FT.

0.218 ACRES

FLOODPLAIN NOTES

- (1) A FLOODPLAIN USE PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES (REMODEL THE EXISTING BUILDINGS, DRIVEWAYS, SIDEWALKS, PARKING LOT, UTILITY WORK, LANDSCAPING, ETC.) IN THE CITY-REGULATED 100-YEAR FLOODPLAIN.
- (2) A NO-RISE CERTIFICATION WILL BE REQUIRED BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES (REMODEL THE EXISTING BUILDINGS, DRIVEWAYS, SIDEWALKS, PARKING LOT, UTILITY WORK, LANDSCAPING, ETC.) IN THE CITY-REGULATED 100-YEAR FLOODWAY.
- (3) THE STORAGE OF EQUIPMENT AND MATERIALS IS NOT ALLOWED WITHIN THE 100-YEAR FLOODWAY.

---ws----ws

NOTE: ALL EXISTING TREES TO BE PROTECTED IN PLACE

F EXISTING DRAIN CHASE

F.F.=5002.3

EXISTING 0.5' WIDE ~

CONCRETE

COURTYARD

EXISTING GATE

F.F.=5003.8 **¬**

EXISTING WOOD PORCH

F.F.=5002.4

HISTORIC BASIN FLOWS							
BASIN DESIGNATION		AREA	2 YEAR	100 YEAR	Q ₂	Q ₁₀₀	
DESIGN POINT	BASIN NUMBER	(AC)	"C"	"C"	(CFS)	(CFS)	
E1	E1	0.074	0.51	0.63	0.11	0.47	
E2	E2	0.362	0.58	0.72	0.45	2.19	
ALLEY	ALLEY	0.094	0.37	0.46	0.08	0.38	
PROPOSED BASIN FLOWS							
BASIN DESIGNATION		AREA	2 YEAR	100 YEAR	\mathbf{Q}_2	Q ₁₀₀	
DESIGN POINT	BASIN NUMBER	(AC)	"c"	"C"	(CFS)	(CFS)	
D1	B1	0.074	0.54	0.68	0.11	0.50	
D2	B2	0.362	0.58	0.72	0.45	2.19	
ALLEY	ALLEY	0.094	0.91	1.00	0.24	0.94	

etention Requested:	330 cu.ft.	
etention Provided:	343 cu.ft.	

EXISTING ACCESS-

COPPER FIRE SERVICE

& GUTTER (TYP)

-EXISTING ACCESS-

SCALE: 1" = 10'

STING 2/4" CORDER - - - WSF _ EXISTING VERTICAL CURB

FOR BURIED UTILITY INFORMATION

THREE (3) BUSINESS DAYS **BEFORE YOU DIG**

CALL 811

(OR 1-800-922-1987) UTILITY NOTIFICATION

CENTER OF COLORADO (UNCC) WWW.UNCC.ORG

SYMBOL LEGEND

EXISTING	
R/W	RIGHT-OF-WAY
	PROPERTY BOUNDARY
	FLOW LINE
777777	EDGE OF ASPHALT
— G — G —	GAS LINE
——————————————————————————————————————	
(OHP)	OVERHEAD UTILITY
	WATER MAIN
wsws-	WATER SERVICE LINE
——————————————————————————————————————	SANITARY LINE
x	FENCE
	EASEMENT
	CENTER LINE
	CONCRETE SIDEWALK
6019	MINOR CONTOUR
6020	MAJOR CONTOUR
S	SANITARY SEWER MANHOLE
×	FIRE HYDRANT
₩v	WATER VALVE
PROPOSED	
— ws — ws — ws —	WATER SERVICE LINE
	WATER LINE
FS	FIRE LINE
	STORM SEWER PIPE
ss	SANITARY LINE
RW —	RIGHT-OF-WAY
——— E ———	UNDERGROUND ELECTRIC LINE
	FLOW LINE
	EMERGENCY ACCESS BOUNDS
	CONCRETE SIDEWALK
	CONCRETE/ASPHALT DRIVE
	DEMOLISH EXISTING STRUCTURE
6019	MINOR CONTOUR
6020	MAJOR CONTOUR
● 10.00	SPOT ELEVATION
2.05%	DIRECTION OF FLOW WITH SLOPE AMOUNT
\bigcirc	STORM SEWER
	MANHOLE

CITY OF FORT COLLINS, COLORAL	00
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CURB STOP

MANHOLE

SANITARY SEWER





						REVISIONS
						NO.
FAITH FAMILY HOSPITALITY 317-321 SHERWOOD STREET FORT COLLINS, CO 80521				DRAINAGE AND EROSION CONTROL PLAN		

PROJECT NO.: 7040-007 C4.0 SHEET 6 OF 9

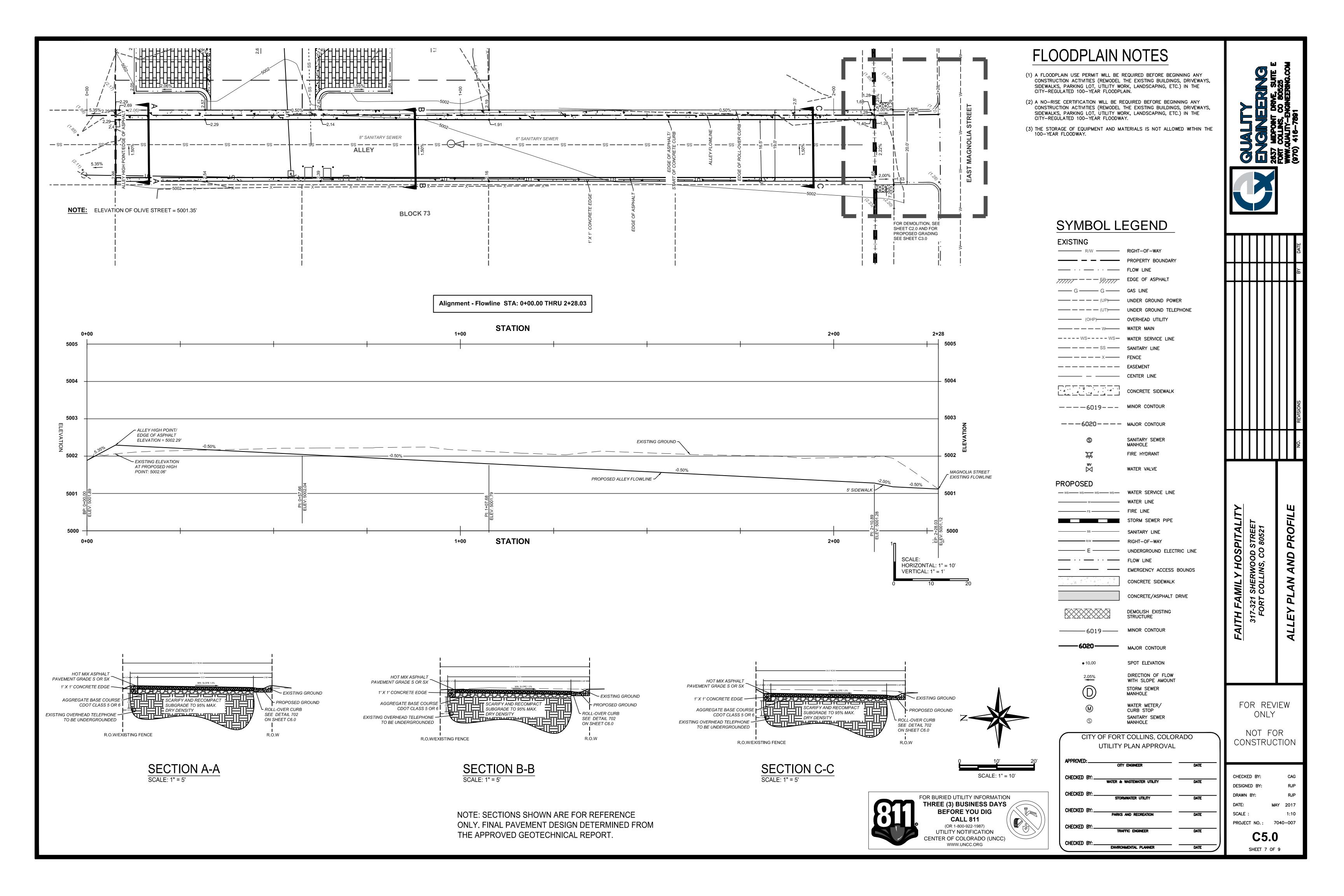
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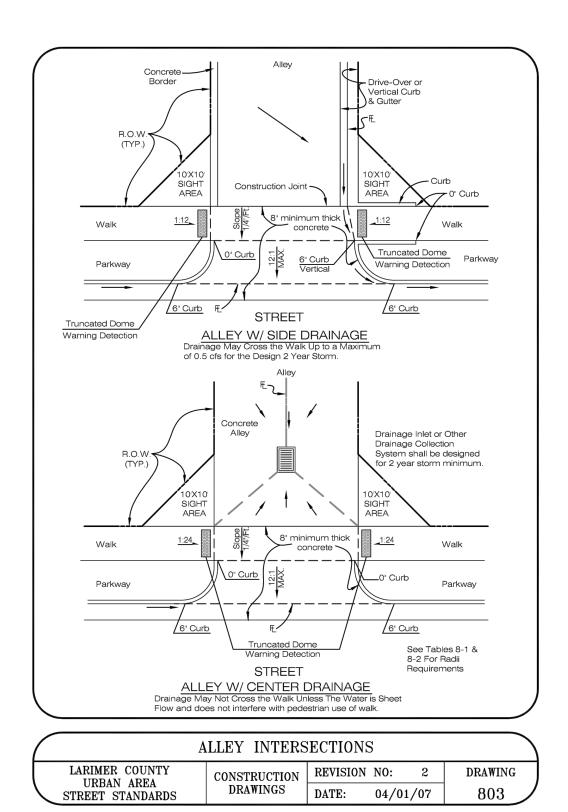
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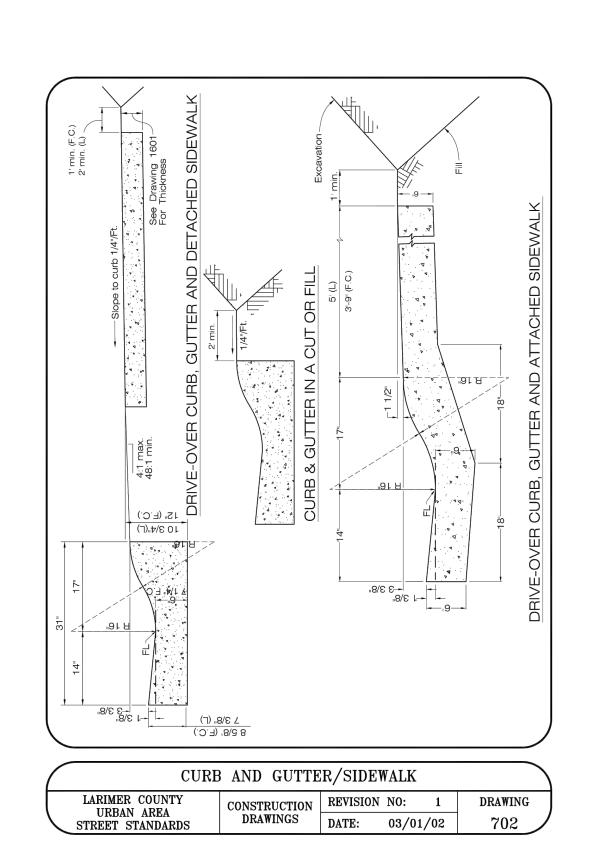
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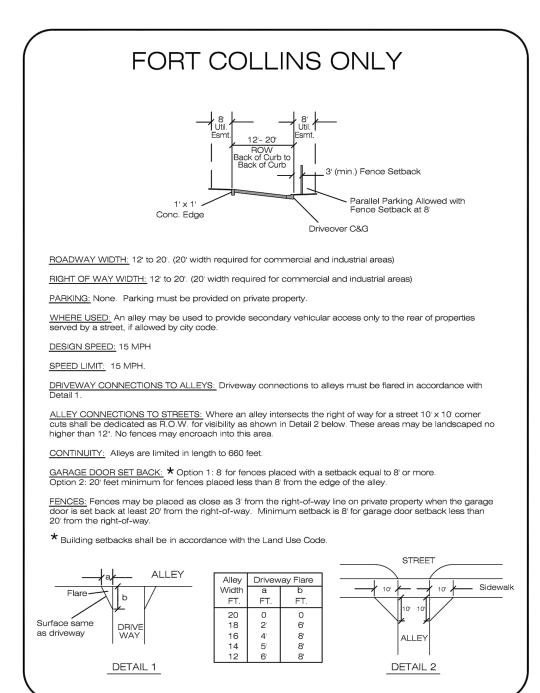
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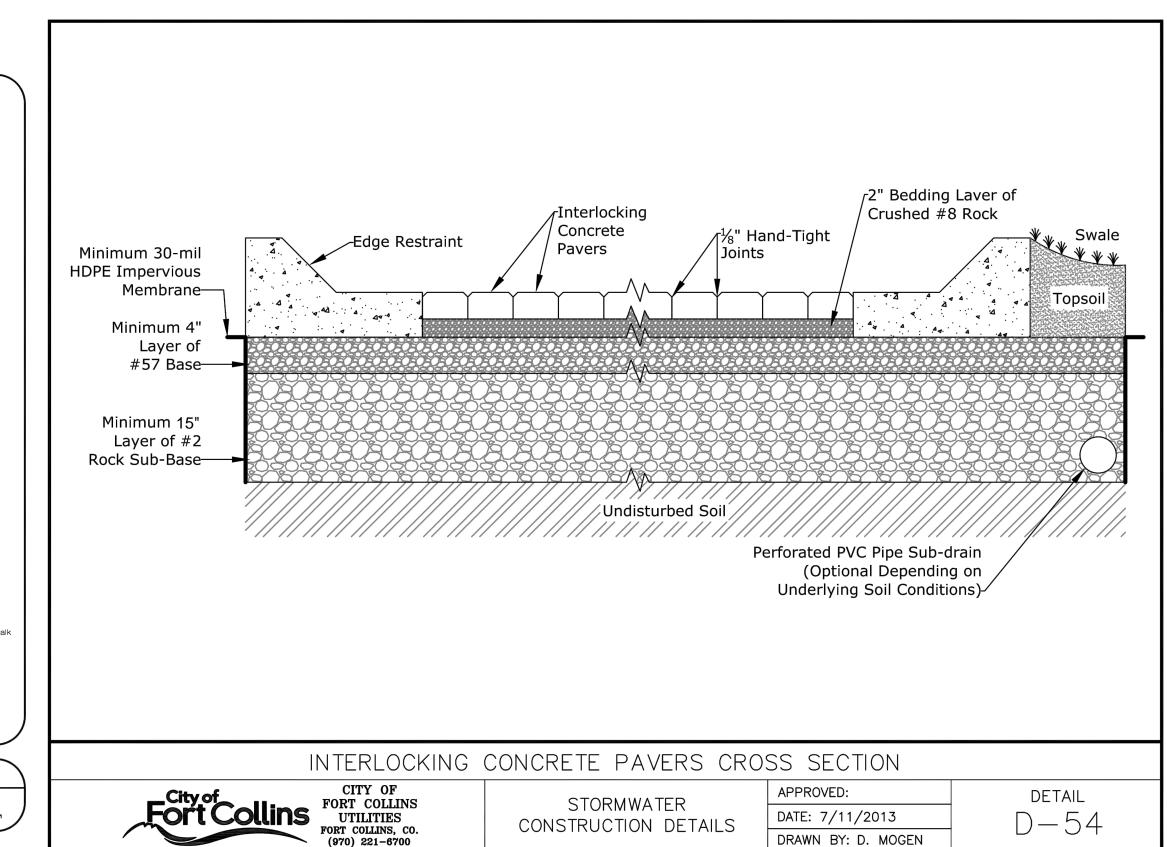


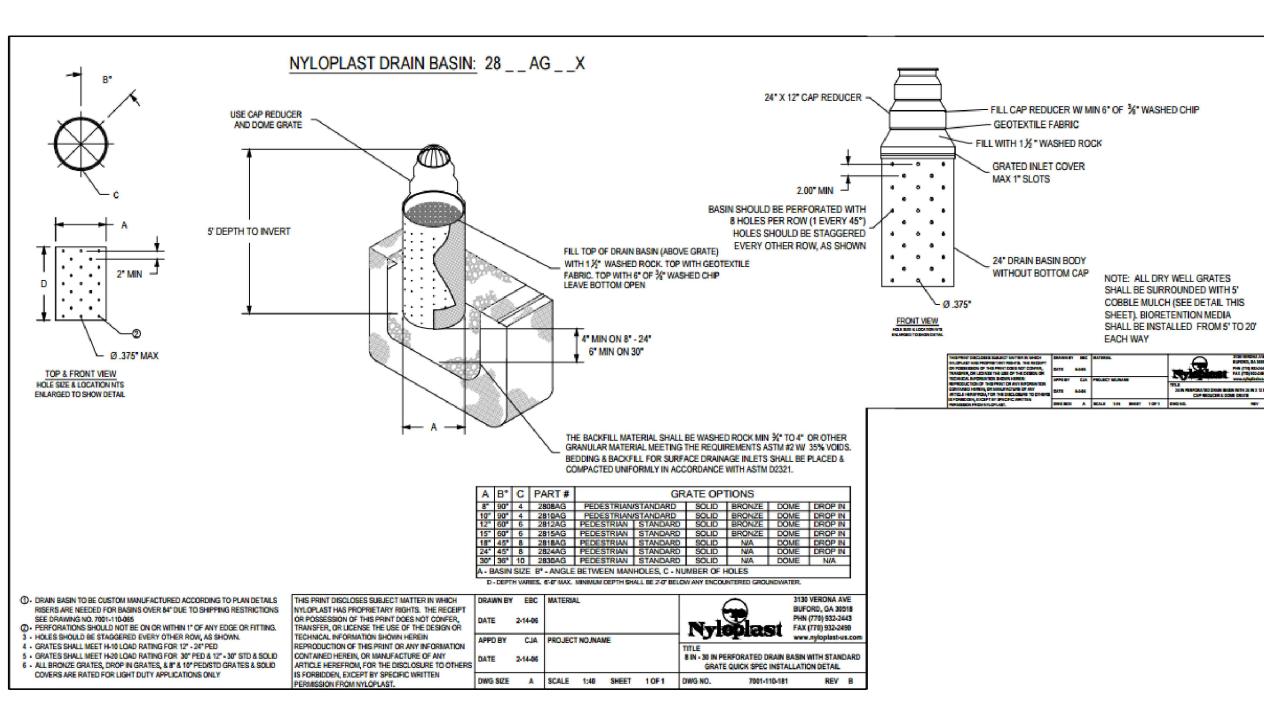






	ALLEY OPTI	ON (B) (Drai	nage to One Sid	e)
\Box	LARIMER COUNTY URBAN AREA	DESIGN	REVISION NO: 1	FIGURE
	STREET STANDARDS	FIGURE	DATE: 04/01/07	7-12F

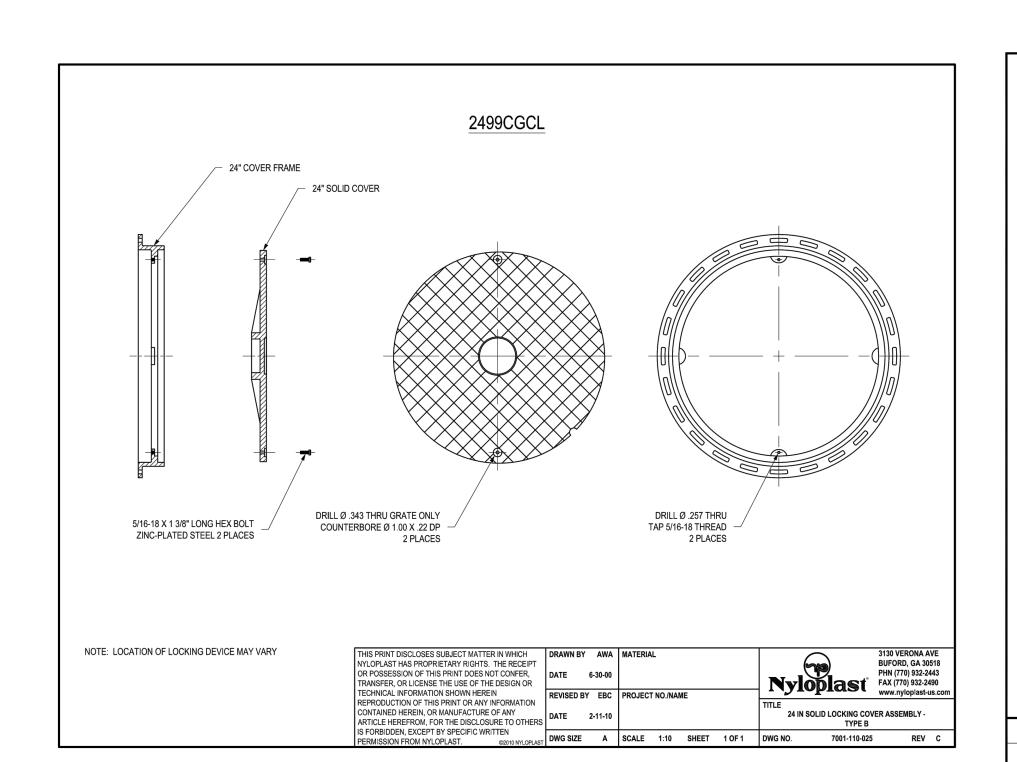


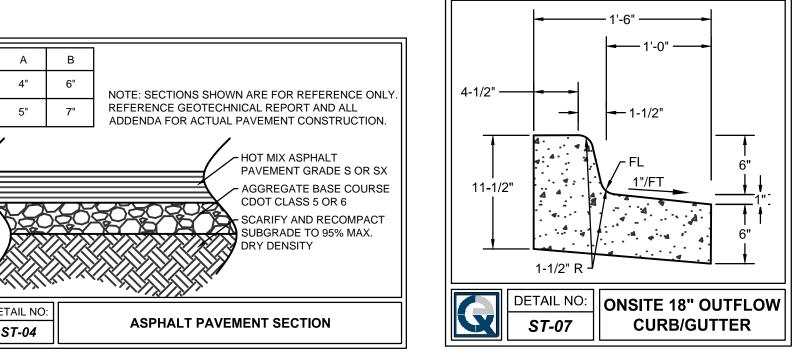


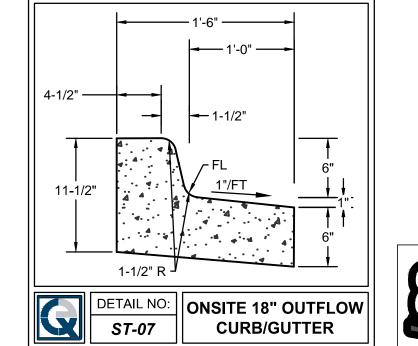


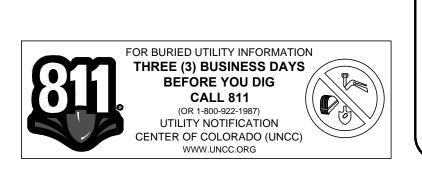
NOTE: 1) USE 24 IN SOLID LOCKING COVER ASSEMBLY -TYPE B DETAIL FOR DRY WELL COVER

2) DRY WELL TO BE CONSTRUCTED TO A DEPTH OF 8'









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3' (TYP.) A ---

SECTION A-A

VARIES, SEE PLANS—

SECTION B-B

METAL SIDEWALK CULVERT FOR VERT. CURB & GUTTER AND DETACHED SIDEWALK

FORT COLLINS UTILITIES FORT COLLINS, CO. (970) 221-6700 STORMWATER CONSTRUCTION DETAILS

STORMWATER

DATE: 1/28/09

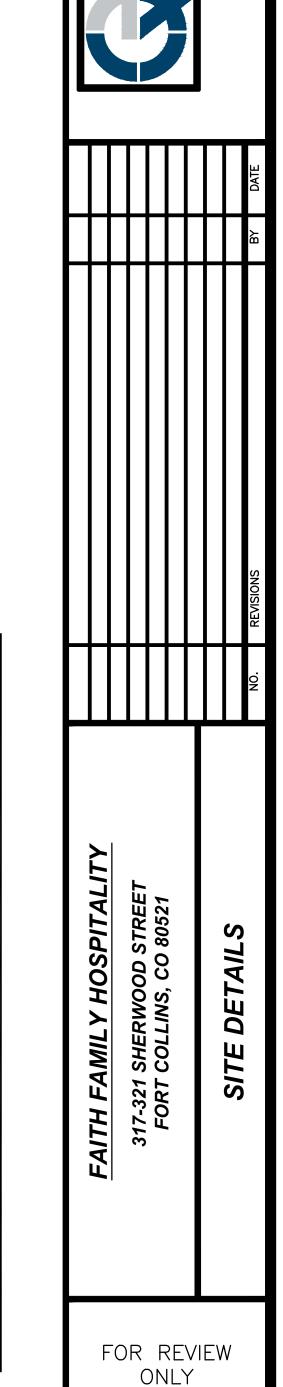
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EXPANSION MATERIAL

-3/8" BRASS SCREW 18"O.C. WITH COUNTERSUNK HEAD FLUSH WITH PLATE

VARIES - SLOPE PLATE TO WATCH SIDEWALK

-3/8" BRASS SCREW-18" O.C. WITH COUNTERSUNK HEAD FLU



NOT FOR CONSTRUCTION

CHECKED BY:

DESIGNED BY:

PROJECT NO.:

C6.0

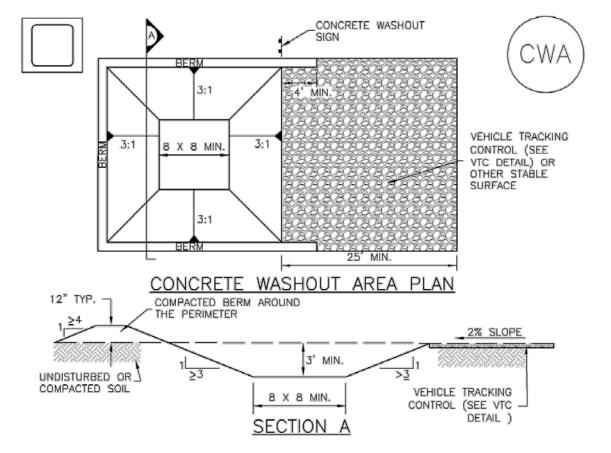
SHEET 8 OF 9

7040-007

SCALE :

SC-5

Rock Sock (RS)



CWA-1. CONCRETE WASHOUT AREA

CWA INSTALLATION NOTES

SEE PLAN VIEW FOR:
 -CWA INSTALLATION LOCATION.

2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (16 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE ARE SHOULD BE USED.

3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.

4. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP,

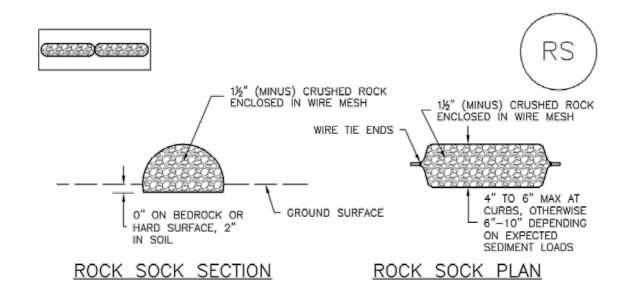
BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.
 VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.

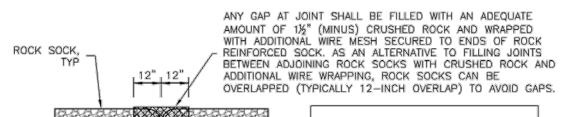
7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS

OF CONCRETE TRUCKS AND PUMP RIGS.

8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

November 2010 Urban Drainage and Flood Control District CWA
Urban Storm Drainage Criteria Manual Volume 3





ROCK SOCK INSTALLATION NOTES

-LOCATION(S) OF ROCK SOCKS.

1. SEE PLAN VIEW FOR:

GRADATION TABLE.

SIEVE SIZE MASS PERCENT PASSING SQUARE MESH SIEVES

NO. 4

2" 100
1½" 90 - 100
1" 20 - 55
34" 0 - 15
38" 0 - 5

MATCHES SPECIFICATIONS FOR NO. 4
COARSE AGGREGATE FOR CONCRETE PER AASHTO M43. ALL ROCK SHALL BE FRACTURED FACE, ALL SIDES.

2. CRUSHED ROCK SHALL BE 1½" (MINUS) IN SIZE WITH A FRACTURED FACE (ALL SIDES) AND SHALL COMPLY WITH GRADATION SHOWN ON THIS SHEET (1½" MINUS).

3. WIRE MESH SHALL BE FABRICATED OF 10 GAGE POULTRY MESH, OR EQUIVALENT, WITH A MAXIMUM OPENING OF ½", RECOMMENDED MINIMUM ROLL WIDTH OF 48"

4. WIRE MESH SHALL BE SECURED USING "HOG RINGS" OR WIRE TIES AT 6" CENTERS

along all joints and at 2" centers on ends of socks.

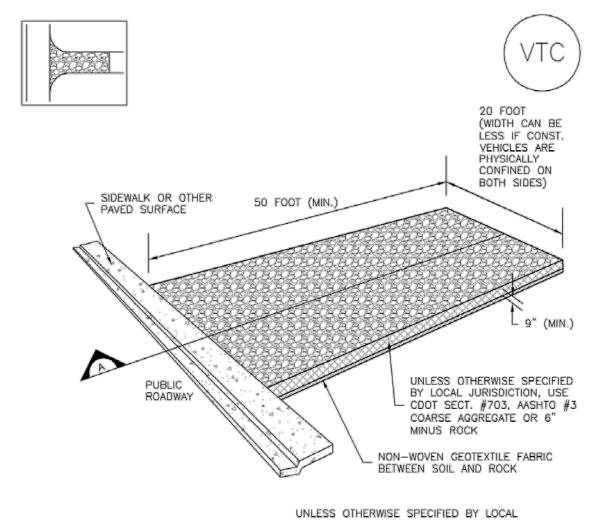
5. Some municipalities may allow the use of filter fabric as an alternative to wire mesh for the rock enclosure.

RS-1. ROCK SOCK PERIMETER CONTROL

RS-2 Urban Drainage and Flood Control District November 2010
Urban Storm Drainage Criteria Manual Volume 3

Vehicle Tracking Control (VTC)

SM-4



INSTALL ROCK FLUSH WITH OR BELOW TOP OF PAVEMENT

OR BELOW TOP OF PAVEMENT

JURISDICTION, USE CDOT SECT. #703, AASHTO

#3 COARSE AGGREGATE
OR 6" MINUS ROCK

9" (MIN.)

NON-WOVEN GEOTEXTILE
FABRIC

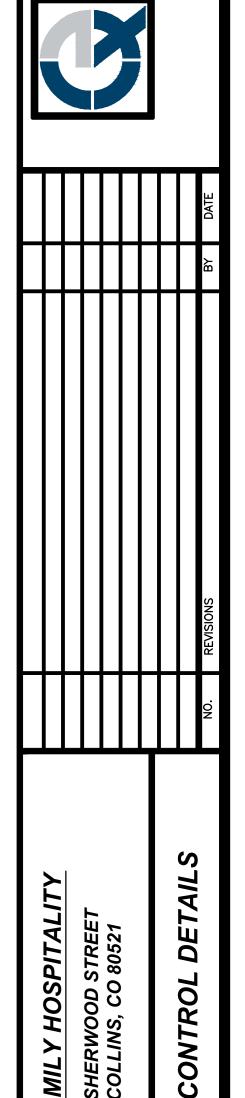
SECTION A

VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

November 2010 Urban Drainage and Flood Control District VTC-3
Urban Storm Drainage Criteria Manual Volume 3

FOR BURIED UTILITY INFORMATION
THREE (3) BUSINESS DAYS
BEFORE YOU DIG
CALL 811
(OR 1-800-922-1987)
UTILITY NOTIFICATION
CENTER OF COLORADO (UNCC)
WWW.UNCC.ORG

CITY C	OF FORT COLLINS, COLO	RADO
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APPROVED:	CITY ENGINEER	DATE
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	TRAFFIC ENGINEER	DATE
CHECKED BY:	ENVIRONMENTAL PLANNER	DATE



FOR REVIEW ONLY

NOT FOR CONSTRUCTION

CHECKED BY: CAG
DESIGNED BY: RJP
DRAWN BY: RJP
DATE: MAY 2017
SCALE: N/A
PROJECT NO.: 7040-007

C6.1SHEET 9 OF 9

DRAINAGE REPORT

FOR

Faith Family

317-321 Sherwood Street Fort Collins, CO 80521

Prepared for:

Kenny Lee Architecture Group Inc. 209 E 4th Street Loveland, CO 80537

Prepared by:



www.quality-engineering.com 2637 Midpoint Drive, Suite E Fort Collins, Colorado 80524 (970) 416-7891

QE Project No: 7040-007

Date: May 2017

Faith Family

FINAL DRAINAGE REPORT

ENGINEER'S CERTIFICATION

I hereby certify that this Final Drainage Report for the design of stormwater management facilities for the Faith Family Project was prepared by me, or under my direct supervision, in accordance with the provisions of the City of Fort Collins *Storm Drainage Design Criteria and Construction Standards* for the owners thereof.

Cody Geisendorfer, P.E. Registered Professional Engineer State of Colorado No. 41326

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VII. APPENDICES

A. <u>Hydrologic Computations</u>

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Fort Collins Flood Map
FEMA Firm Panel 08069C0979H
USGS Soil Map
Soilogic Soils Report
Fort Collins Rainfall Intensity Curve
Fort Collins Rainfall Intensity Table
Table RO-3 Recommended Percentage Imperviousness Values
Rational Method Calculated Composite C Tables
Rational Method Calculated Imperviousness
Rational Method Calculated Flows

B. Hydraulic Computations

Fort Collins Modified FFA Method Infiltration Calculation

C. Map Pocket

Drainage Plan

I. GENERAL LOCATION AND DESCRIPTION

A. Location

The proposed site is located in the southeast quarter (NE ¼) of Section 11, Township 7 North, Range 69 West of the 6th P.M. in Larimer County, Colorado. Specifically, the property is located on Sherwood Street between Magnolia Street and Olive Street. The property address is 317-321 Sherwood Street, Fort Collins, Colorado, 80521. (Please see the vicinity map located in the Appendix A).

B. Description of Property

The property's parcel number are 9711420904 and 9711420903. The site is located on Lots 3 and 4, Block 73 City of Fort Collins and is currently 0.436 acres of residential land surrounded by the residential lots to the north and south, an alley to the west, and Sherwood Street to the east. The site can be accessed from Sherwood Street and the existing alley. Two gravel patches provide on-site parking and the site can be accessed from the alley.

The existing property is a residential building with no occupants located in the central portion of the Old Town Basin. The site drains east to Sherwood Street through a drainage channel along the northern property line. Sherwood Street drains south to the existing inlet, where it is conveyed to the Poudre River. Runoff from the alley flows south to West Magnolia Street, where is flows east to an existing storm inlet. There are generally no offsite flows that drain toward the property. The site is within the city-regulated 100-year Old Town floodplain. More specifically, the entire site is located within the City of Fort Collins Flood Fringe. The City of Fort Collins Floodway encompasses all of Sherwood Street and West Magnolia Street and extends to the back of the sidewalk. The site is located with the FEMA Firm Panel 08069C0979H. (see City Flood Risk Map and the FEMA Firm Panel in Appendix A).

According to the NRCS soils map survey, the native soils consist of Fort Collins Loam, which is a Type "C" soils. These soils consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

There are no irrigation facilities located within the proposed site area.

The existing building will be remodeled to serve as temporary housing for homeless families. The proposed development will consist of the construction of an off-street permeable paver parking lot that will act as a parking for the residents and employees of Faith Family. The permeable paver parking lot will have an underdrain network of 4"

perforated that drains into an 8' dry well. The existing gravel alley will also be paved with asphalt from the northern property line to Magnolia Street.

II. DRAINAGE BASINS AND SUB-BASINS

A. Major Basin Description

The proposed site is located within the Old Town Basin. The Old Town Drainage Basin is located in north-central Fort Collins. The basin has a drainage area of approximately 2,120 acres, including approximately 400 acres of the Colorado State University campus. The entire basin is urbanized, with some development dating back to the late 1800s. Generally, the basin drains from west to east. The Old Town Basin receives some runoff water from the Canal Importation Basin directly west of Old Town. Most of the water from Old Town drains to the Poudre River, just to the east.

B. Sub-Basin Description

Historically, most of the site drains east to Sherwood Street.

The developed site is delineated into two sub-basins, with underground detention designed to provide the required water quality capture volume.

Sub-basin B1, (0.074 acres), consists of an existing shed to be removed and gravel parking lot. The existing gravel patch is to be constructed into an asphalt parking lot with permeable paver parking spots. Rainfall travels via overland flow from east to west, into a permeable paver system. Once the flow enters the paver system, it is conveyed to an 8' deep dry well. The flow from the site eventually infiltrates into the ground surface.

Sub-basin B2, (0.362 acres), consists of an existing building, landscaped area, and concrete walkways. The addition of the dry well and replacing the sidewalk chase are the only proposed changes to sub-basin B2. Rainfall travels via overland flow to a grass swale, where it will be conveyed to a concrete drainage channel. Once the flow is concentrated into the channel, it is conveyed to the flowline Sherwood Street. The flow from the site eventually drains into the Poudre River.

Currently, flows from the alley enter the site from the west. The proposed curb and gutter will prevent off-site flows from entering the site.

A. Regulations

Drainage design criteria specified in the City of Fort Collins Storm Drainage Design Criteria and Construction Standards manual (FCSDCM) and the Urban Storm Drainage Criteria Manual, Volume 3 by the Urban Drainage and Flood Control District (UDFCD) have been referenced in the preparation of this study. Low Impact Development (LID) requirements are required on all new or redeveloping property which includes sites required to be brought into compliance with the Land Use Code. These require a higher degree of water quality treatment with one of the two following options: a) 50% of the newly added or modified impervious area must be treated by LID techniques and 25% of new paved areas must be pervious or b) 75% of all newly added or modified impervious area must be treated by LID techniques. For this site, we are following option a). The site improvements propose a 2,100 ft² asphalt parking lot, 850 ft² of which will be permeable pavers. 100% percent of the flow from the impervious area will be directed toward the pavers sections, which make up 40% of the proposed parking lot.

B. Implementation of the "Four Step Process"

The overall stormwater management strategy employed with this parking lot and alley improvements utilizes the "Four Step Process" to minimize adverse impacts of urbanization on receiving waters. The following is a description of how the proposed development has incorporated each step.

Step 1 – Employ Runoff Reduction Practices. The first consideration taken in trying to reduce the stormwater impacts of this development is the site selection itself. By selecting a site with historically undetained runoff, the burden of development will be significantly less with underground detention. Also, permeable pavers are used to reduce the area of impervious surfaces, reducing the effects of imperviousness.

Step 2 – Implement BMPs That Provide a Water Quality Capture Volume (WQCV) with Slow Release. Demolishing the existing shed, adding landscaped areas, and constructing permeable pavers will cause stormwater runoff to increase from the site. The runoff will be released through the bottom of a dry well and paver sub-base. The primary water quality will occur in the permeable pavers and dry well. Refer to the map pocket for permeable paver details and cross-sections. The permeable pavers will increase water quality and promote infiltration. Water quality treatment for 50% of the site is provided for in the Udall Natural Area water treatment facility.

Step 3 – Stabilize Drainageways. The Poudre River is the governing drainageway for the proposed site. The proposed project indirectly helps achieve a better stabilized drainageway nonetheless. By improving the water quality and increasing infiltration, the likelihood of bed and bank erosion from this site is greatly reduced.

Step 4 – Implement Site Specific and Other Source Control BMPs.

The Family Faith site contains a plethora of source control BMPs.

Permeable Pavement Systems: Flow from the parking lot will directly flow into the void area of the pavers avoiding any extra pollutant-flow contact time. The sub-base of the pavers will work to filter out any pollutants.

Dry Well: Flow entering the dry well will slowly infiltrate into the soil, after filtering out any pollutants.

C. Development Criteria Reference and Constraints

The criteria used as the basis for analysis and design of stormwater management improvements for this site are those found in the references cited.

To the knowledge of the author, there are no other capital drainage improvements planned for this portion of the site; aside from those referred to above, that would constrain or otherwise influence the design of the stormwater improvements for this site.

D. Hydrological Criteria

Stormwater runoff from the respective sub-basins of the site is analyzed for storms with 2-year and 100-year return frequencies.

Due to the relatively small aggregate area of the tributary drainage sub-basins, the Rational Method was chosen for use in the design of the stormwater management improvements. The Rational Method provides that:

Q = CIA, where:

Q = Design flow in cubic feet per second (cfs)

C = Coefficient of runoff for the area under consideration

I = Rainfall intensity for the design storm duration (in/hr)

A = Area of the drainage sub-basin under consideration (ac)

Peak flows were calculated using the Rational Method for the 2-year and 100-year storm events. This software uses the local 1-hour rainfall depth and Fort Collins rainfall intensities developed calculate rainfall intensities as a function of the time of concentration. These values were obtained by the City of Fort Collins Rainfall Intensity-Duration-Frequency (IDF) curve/table; Figure 3-1 and Table 3-1a, and can be found in the Appendix. Additionally, per City of Fort Collins, the coefficients have been multiplied by the appropriate storm factors.

Percent imperviousness values were taken from Table RO-3, Recommended Percentage Imperviousness Values, UDCM (See Appendix). Soils of hydrologic soil type "C" dominate the site. Onsite runoff was calculated to determine the runoff differential between existing and developed conditions for use in sizing the WQCV as required by the FCSDM. The hydrologic basin parameters and runoff rates are included in the Appendices and include quantification of the allowable volume reduction.

On-site detention is not required, but permeable pavers have built in detention within the sub-base. The permeable paver sub-base is separated into two layers of subbase, a 4" layer of #57 base and a 15" layer of #2 base. The detention volume of the system can be found using the following equation: Volume = (area of pavers) X (depth of #2 sub-base) X (void space). The sub-base of the permeable pavers is assumed to have a void space of 30%. The total area of permeable pavers is 850 ft², therefore the detention volume of the sub-base is 318 ft³. The storage volume (V = π r²h) in the 8' dry well is 25 ft³. The total detention volume for the site is 343 ft³. Detention is being utilized in the sub-base of the pavers to prevent surface ponding.

The design worksheets included in the Appendices to this Final Drainage Report present documentation of the hydrologic calculations for the on-site storm drainage systems.

E. Hydraulic Criteria

Within this development, all runoff will be conveyed on the surface, initially as sheet flow and subsequently as concentrated flow in shallow pans and gutters. The assessment of required capacity and the sizing of the respective components of the drainage system are based on the anticipated runoff from the 100-year storm event.

F. Modifications of Criteria

There are no modifications or variances requested in connection with the design of the stormwater management for the Faith Family site development.

IV. DRAINAGE FACILITY DESIGN

A. General Concept

The storm drainage system is designed to safely convey developed storm flows by sheet flow, concentrated pan, and gutter flow to the street flowlines.

The design worksheets included in the Appendices to this Final Drainage Report present details of the hydrologic and hydraulic calculations pertinent to the design of the on-site

storm drainage system. A drainage plan, showing the proposed development of the site and developed drainage patterns is included in the map pocket following the Appendices.

B. Specific Details

There are a number of collection and conveyance scenarios within the drainage regime associated with this development. The respective scenarios are described below.

Sub-basin B1, (0.074 acres), consists of a permeable parking lot and landscaped areas. The runoff created by a 100-Year event is increased from 0.47 cfs to 0.50 cfs with the proposed improvements to the parking lot. Runoff will infiltrate through the permeable pavers to a network of 4" perforated PVC pipes and drains into a proposed 8' dry well. The well-draining soil was encountered 22' below ground surface. The water table was encountered 15.5' below ground surface. Because the well-draining soils are below the water table, it is impractical to construct the dry well to well-draining soils. The 8' of depth dry well and permeable pavers sub-base provides adequate infiltration rates for the small basin area. Flows in excess of the 100-year event will be conveyed east to the existing concrete drainage channel on the north side of the site. (See Appendix B for calculations.)

Sub-basin B2, (0.362 acres), consists of an existing building, landscaped area, and concrete walkways. Rainfall travels via overland flow to a grass swale, where it will be conveyed to a concrete drainage channel. Once the flow is concentrated into the channel, it is conveyed to the flowline Sherwood Street. The flow from the site eventually drains into the Poudre River. There is no change in sub-basin B2 from the existing condition.

Alley, (0.094 acres), consists of an existing gravel alley that is to be paved with asphalt. The alley design follows Fort Collins Alley Option B (drainage to one side), with a roll-over curb. The alley flows north to south, and has a slope of 0.5%. The high point is located at the northern property line of the site to prevent developed flows entering the neighbor's property to the north. The access to the alley will be reconstructed to match the proposed flowline of the alley. The undeveloped portion of the alley follows existing drainage patterns, flowing north to the flowline of Olive Street.

V. CONCLUSIONS

A. Compliance with Standards

The drainage design for the Faith Family site is in compliance with the requirements of the City of Fort Collins *Storm Drainage Design Criteria and Construction Standards Manual* as well as the City's floodplain regulations. The criteria and recommendations of the *Urban Storm Drainage Criteria Manual* are also reflected in the design of the drainage systems.

B. Drainage Concept

The drainage design for the Faith Family will be adequate to safely convey onsite flows through the development. Development of the site, as proposed, should have a beneficial impact on water quality in downstream drainage facilities and drainage ways by reducing and delaying the initial discharge of runoff from the site such that sediments and other potential pollutants typically carried by this first flush are removed from the flow. The proposed drainage improvements cause no adverse impact to the adjacent properties.

VI. REFERENCES

"City of Fort Collins Stormwater Criteria Manual", City of Fort Collins, Adopted December 2011

<u>"City of Fort Collins Municipal Code", Chapter 10 – Flood Protection and Prevention</u> City of Fort Collins, 1987

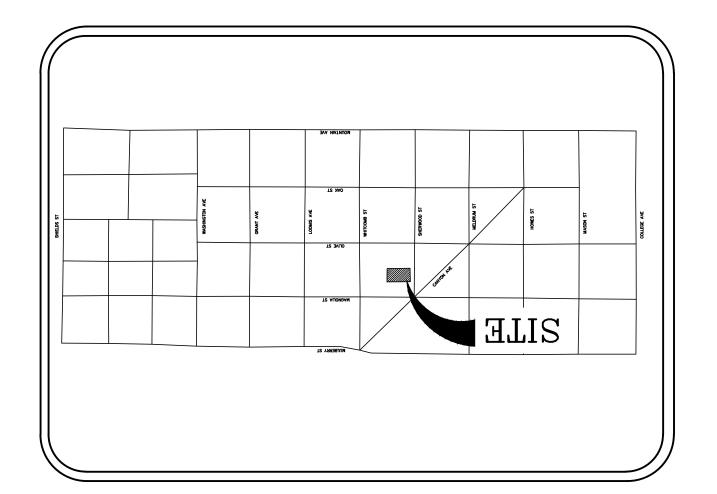
<u>Urban Storm Drainage Criteria Manual, Volumes 1, 2, and 3, Urban Drainage and Flood Control District, April 2008</u>

APPENDIX A: Hydrologic Computations

Vicinity Map

Fort Collins Flood Map
FEMA Firm Panel 08069C0979H
USGS Soil Map
Soilogic Soils Report
Fort Collins Rainfall Intensity Curve
Fort Collins Rainfall Intensity Table
Table RO-3 Recommended Percentage Imperviousness Values
Rational Method Calculated Runoff Coefficients
Rational Method Calculated Imperviousness
Rational Method Calculated Flows

Rational Method Calculated Composite C Tables Rational Method Calculated Imperviousness Rational Method Calculated Flows







EAITH FAMILY 317-321 SHERWOD STREET FORT COLLINS CO, 80524 VICINITY MAP





NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. I does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Colorado State Plane north zone (FIPSZONE 0501). The horizontal datum was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of the FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services NOAA, N/NGS12 National Geodetic Survey SSMC-3, #9202 1315 East–West Highway Silver Spring, MD 20910-3282

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at http://www.ngs.noaa.gov/.

Base map information on this FIRM was provided by the Larimer County GIS and Mapping Department. Additional input was provided by the City of Fort Collins Geographic Information Services Division. These data are current as of 2010.

This map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

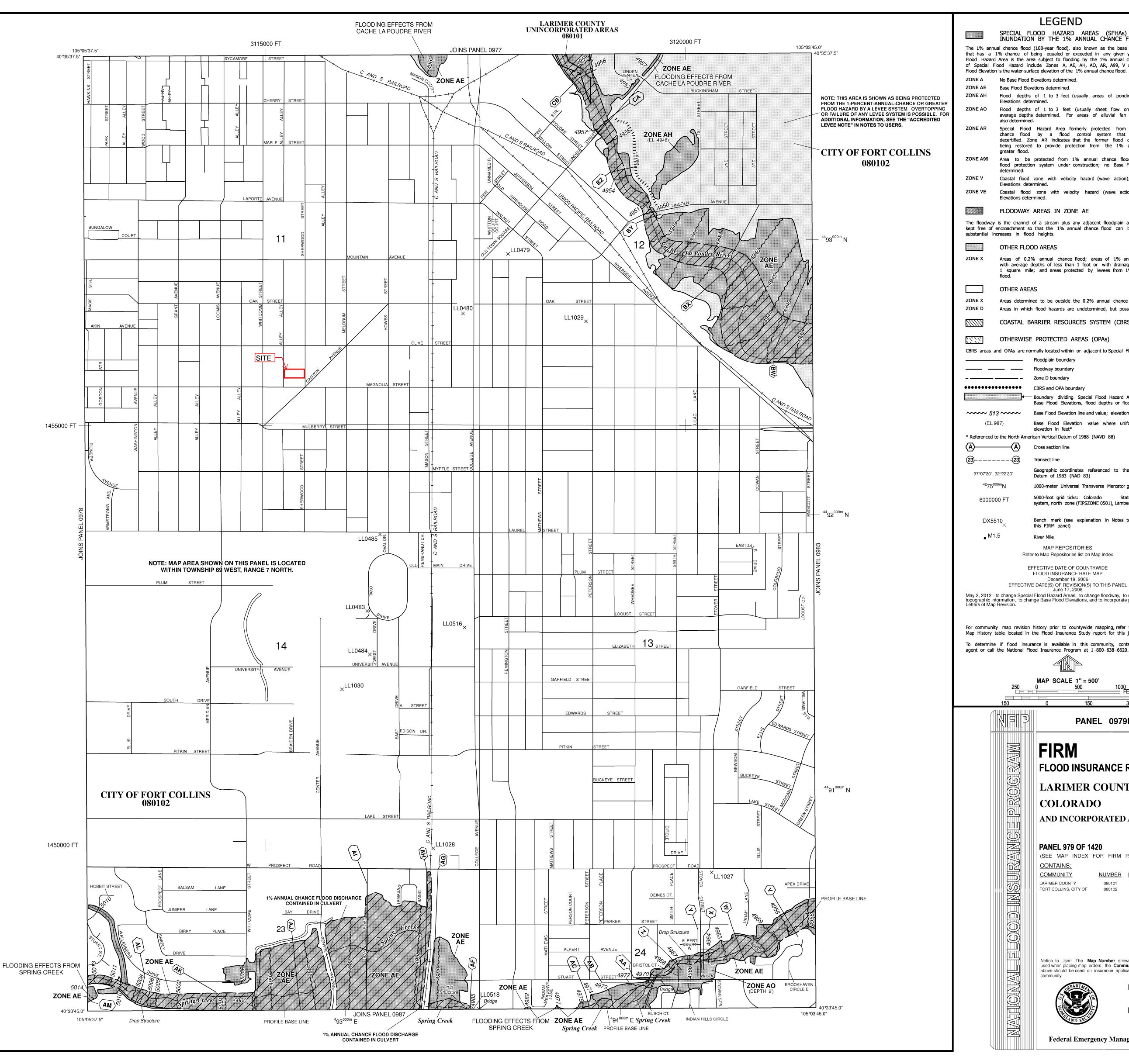
Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexation may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the **FEMA Map Service Center** website at http://msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website. Users may determine the current map date for each FIRM panel by visiting the FEMA Map

Accredited Levee Notes to Users: Check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection for areas on this panel. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at http://www.fema.gov/business/nfip/index.shtm.

Service Center website or by calling the FEMA Map Information eXchange.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base

No Base Flood Elevations determined. Base Flood Elevations determined.

Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain);

Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or

average depths determined. For areas of alluvial fan flooding, velocities

Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations

Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined. Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance

OTHER AREAS

Areas determined to be outside the 0.2% annual chance floodplain. Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain boundary - Zone D boundary ••••• - Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities. >>>> 513 >>>> Base Flood Elevation line and value; elevation in feet* Base Flood Elevation value where uniform within zone;

elevation in feet* * Referenced to the North American Vertical Datum of 1988 (NAVD 88)

(23)----(23)

Geographic coordinates referenced to the North American 97°07'30", 32°22'30" Datum of 1983 (NAD 83)

 $^{42}75^{000m}N$ 1000-meter Universal Transverse Mercator grid ticks, zone 13 5000-foot grid ticks: Colorado State Plane coordinate 6000000 FT system, north zone (FIPSZONE 0501), Lambert Conformal Conic

M1.5 MAP REPOSITORIES

this FIRM panel)

Refer to Map Repositories list on Map Index EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

December 19, 2006 EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL June 17, 2008

Bench mark (see explanation in Notes to Users section of

May 2, 2012 -to change Special Flood Hazard Areas, to change floodway, to reflect updated topographic information, to change Base Flood Elevations, and to incorporate previously issued

For community map revision history prior to countywide mapping, refer to the Community

Map History table located in the Flood Insurance Study report for this jurisdiction. To determine if flood insurance is available in this community, contact your insurance

agent or call the National Flood Insurance Program at 1-800-638-6620.

METERS PANEL 0979H

FIRM FLOOD INSURANCE RATE MAP LARIMER COUNTY, COLORADO AND INCORPORATED AREAS URANGE

PANEL 979 OF 1420 (SEE MAP INDEX FOR FIRM PANEL LAYOUT) CONTAINS:

COMMUNITY NUMBER PANEL SUFFIX LARIMER COUNTY 080101 0979 FORT COLLINS, CITY OF 080102 0979

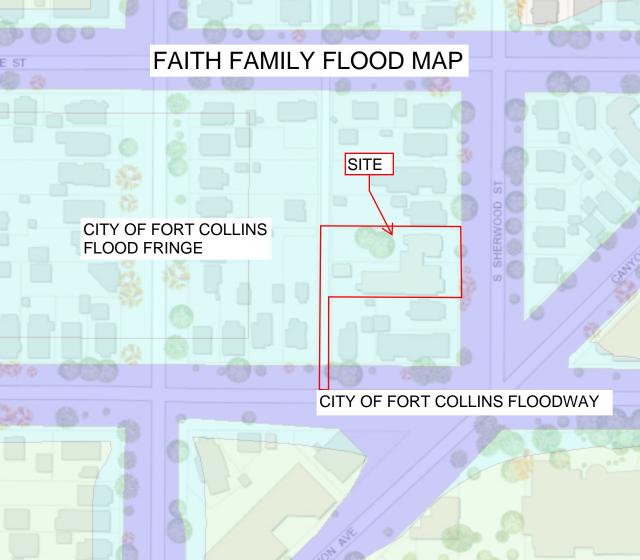
Notice to User: The **Map Number** shown below should be

used when placing map orders; the Community Number shown



MAP NUMBER 08069C0979H MAP REVISED MAY 2, 2012

Federal Emergency Management Agency



<u>So Logic</u>

March 23, 2017

Quality Engineering, LLC 2637 Midpoint Drive, Suite E Fort Collins, Colorado 80234

Attn: Ms. Lisa Denke, P.E.

Re: Geotechnical Subsurface Exploration

317-321 Sherwood Street Dry Well

Fort Collins, Colorado Soilogic Project # 17-1053

Ms. Denke:

Soilogic, Inc. (Soilogic) personnel have completed the geotechnical subsurface exploration you requested for the proposed dry well to be constructed at 317-321 Sherwood Street in Fort Collins, Colorado. Results of our subsurface exploration and estimated permeability rates are included with this report.

To develop subsurface information in the proposed dry well area, one (1) soil boring was extended to a depth of approximately 25 feet below present site grade. The boring location was established in the field by Soilogic personnel based on a provided site plan, the accessibility of the site and by pacing and estimating angles and distances from identifiable site references. The boring location should be considered accurate only to the degree implied by the methods used to make the field measurements. A diagram indicating the approximate boring location is included with this report. A graphic log of the auger boring is also included.

The test hole was advanced using 4-inch diameter continuous flight auger powered by a truck-mounted CME-45 drill rig. Samples of the subsurface materials were obtained at regular intervals using California barrel sampling procedures in general accordance with ASTM specification D-1586. As part of the D-1586 sampling procedure, the standard sampling barrel is driven into the substrata using a 140-pound hammer falling a distance of 30 inches. The number of blows required to advance the sampler a distance of 12 inches is recorded and helpful in estimating the consistency or relative density of the soils and//or bedrock encountered. In the California barrel sampling procedure, lesser

Geotechnical Subsurface Exploration Report Wells Fargo Parking Lot 112 West Magnolia Street, Fort Collins, Colorado Soilogic # 16-1181

2

disturbed samples are obtained in removable brass liners. Samples of the subsurface materials obtained in the field were sealed and returned to the laboratory for further evaluation, classification and testing.

The samples collected were visually and tactually evaluated in the laboratory to determine soil type classification and associated estimated permeability rates. Permeability rates are outlined below in Table 1 and on the attached boring log.

SUBSURFACE CONDITIONS

The subsurface materials encountered in the completed site boring can be summarized as follows. Approximately 6 inches of gravel surfacing was encountered at the surface at the boring location. The gravel surfacing was underlain by brown silty sand and gravel. The sand and gravel extended to a depth of approximately 18 inches below ground surface and was underlain by light brown, silty lean clay/sandy silt. The silty lean clay/sandy silt extended to a depth of approximately 9 feet below ground surface and was underlain by tan to light reddish brown sandy lean clay. The lean clay extended to a depth of approximately 18 feet below ground surface and was underlain by light reddish brown sandy lean to fat clay. The lean to fat clay extended to a depth of approximately 22 feet below ground surface and was underlain by reddish brown sand and gravel. The sand and gravel extended to the bottom of boring B-1 at a depth of approximately 25 feet below present site grade.

Groundwater was encountered in the completed site boring at a depth of approximately 15½ feet below ground surface at the time of drilling. When checked about 3 days after completion of drilling, groundwater levels remained unchanged. Groundwater levels will vary seasonally and over time based on weather conditions, site development, irrigation practices and other hydrologic conditions. Perched and/or trapped groundwater conditions may also be encountered at times throughout the year. Perched water is commonly encountered in soils overlying less permeable soil layers and/or bedrock. Trapped water is typically encountered within more permeable zones of layered soil and bedrock systems. The location and amount of perched/trapped water can also vary over time.

Geotechnical Subsurface Exploration Report Wells Fargo Parking Lot 112 West Magnolia Street, Fort Collins, Colorado Soilogic # 16-1181

TABLE 1: SUMMARY OF ESTIMATED PERMEABILITY RATES							
Depth	Soil Type	Estimated Permeability Rate					
(ft)		(cm/sec)					
1½-9	Silty Lean Clay/Sandy Silt	0.0006					
9-18	Sandy Lean Clay	0.0004					
18-22	Sandy Lean to Fat Clay	0.0002					
22-25	Sand and Gravel	0.008					

We appreciate the opportunity to be of service to you on this project. If we can be of further service to you in any way or if you have any questions concerning the enclosed information, please do not hesitate to contact us.

Very Truly Yours, Soilogic, Inc.

Wolf von Carlowitz, P.E. Principal Engineer

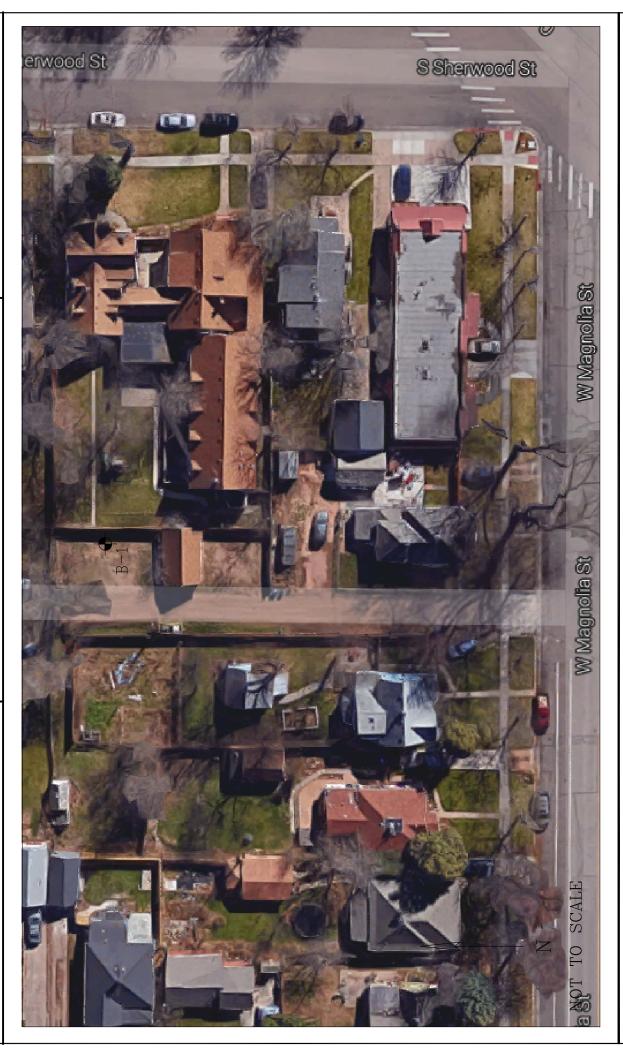
Reviewed by:

Darrel DiCarlo, P.E. Senior Project Engineer

MARCH 2017 PRDJECT # 17-1053

BORING LOCATION DIAGRAM





317-321 SHERWOOD STREET DRY WELL FORT COLLINS, COLORADO

317-321 SHERWOOD STREET DRY WELL

FORT COLLINS, COLORADO Project # 17-1053 March 2017





								ii .			
Sheet 1/1			Drilling	g Rig:	CME 45 Water Depth Information			on			
Start Date Finish Date			3/6/2017 3/6/2017		Auger	ı ype:	4" CFA	During Drilling		1	5.5'
	Surface Elev.	3/	-	17	Field	ner Type: Personnel	Automatic CP/ZG	After Drilling 3 Days After	Drilling		5.5' 5.5'
	Surface Liev.				i ieiu i	ersonner	i. CF/2G	3 Days Aite	Dilling		5.5
		T T	Τ.	1		1	Estimated	Swell			% Passing
nscs	COUL DESCRIPTION	Daniel	Sampler	"N"		DD			Attaulas		
Sn	SOIL DESCRIPTION	Depth	ja m	"N"	MC	DD	Permeability Rate	Pressure		rg Limits	# 200 Sieve
		(ft)	0)		(%)	(pcf)	(cm/s)	(psf)	LL	PI	(%)
	6" GRAVEL SURFACING	- -									
SM-GM	SILTY SAND AND GRAVEL	1									
	brown	 									
		2									
		3									
CL-ML	SILTY LEAN CLAY/SANDY SILT	-									
CL-IVIL	light brown	4									
	medium stiff	_	1								
	 	5	cs	9		i	0.0006				
		-				i i					
		6	1								
		-									
		7									
		-									
		8									
		-									
		9	-								
		-	_	45	-		0.0004				
		10	cs	15			0.0004				
		11									
CL	SANDY LEAN CLAY	'.'									
OL.	tan to light reddish brown	12									
	medium stiff to stiff	-									
		13									
		-									
		14									
		-									
		15	cs	7			0.0004				
		-	1								
		16									
		17									
		- ''									
		18	1								
		7 -									
		19]								
CL-CH	SANDY LEAN TO FAT CLAY	-									
	light reddish brown	20	cs	22			0.0002				
	very stiff	-									
		21									
		-									
1		22									
SP-GP	SAND AND GRAVEL	23									
G1 -G1	reddish brown	-									
	medium dense	24	1								
			1	l		1		1		1	Ī

0.008

CS 39

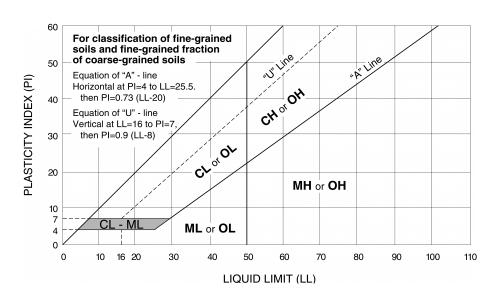
UNIFIED SOIL CLASSIFICATION SYSTEM

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests ^A					Soil Classification	
				Group Symbol	Group Name ⁸	
Coarse Grained Soils	Gravels	Clean Gravels	Cu ≥ 4 and 1 ≤ Cc ≤ 3 ^E	GW	Well graded gravel ^F	
More than 50% retained	More than 50% of coarse fraction retained on	Less than 5% fines ^c	Cu < 4 and/or 1 > Cc > 3 ^E	GP	Poorly graded gravel ^F	
on No. 200 sieve	No. 4 sieve		Fines classify as ML or MH	GM	Silty gravel ^{F,G, H}	
		than 12% fines ^c	Fines classify as CL or CH	GC	Clayey gravel ^{F,G,H}	
	Sands	Clean Sands	Cu ≥ 6 and 1 ≤ Cc ≤ 3 ^E	SW	Well graded sand	
	50% or more of coarse fraction passes	Less than 5% fines ^D	Cu < 6 and/or 1 > Cc > 3 ^E	SP	Poorly graded sand	
	No. 4 sieve	Sands with Fines	Fines classify as ML or MH	SM	Silty sand ^{G,H,I}	
		More than 12% fines ^D	Fines classify as CL or CH	SC	Clayey sand ^{G,H,I}	
Fine-Grained Soils	Silts and Clays	Inorganic	PI > 7 and plots on or above "A" lin	e ^J CL	Lean clay ^{K,L,M}	
50% or more passes the No. 200 sieve	Liquid limit less than 50		PI < 4 or plots below "A" line ^J	ML	Silt ^{K,L,M}	
		Organic	Liquid limit - oven dried < 0.	75 OL	Organic clay ^{K,L,M,N}	
			Liquid limit - not dried		Organic silt ^{K,L,M,O}	
	Silts and Clays	Inorganic	PI plots on or above "A" line	CH	Fat clay ^{K,L,M}	
	Liquid limit 50 or more		PI plots below "A" line	МН	Elastic silt ^{K,L,M}	
		Organic	Liquid limit - oven dried < 0.	75 OH	Organic clay ^{K,L,M,P}	
			Liquid limit - not dried	70 011	Organic silt ^{K,L,M,Q}	
Highly organic soils	Prima	rily organic matter, dark in co	olor, and organic odor	PT	Peat	

^ABased on the material passing the 3-in. (75-mm) sieve

^ECu =
$$D_{60}/D_{10}$$
 Cc = $\frac{(D_{30})^2}{D_{10} \times D_{60}}$

^QPI plots below "A" line.



^B If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

^c Gravels with 5 to 12% fines require dual symbols: GW-GM well graded gravel with silt, GW-GC well graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

^D Sands with 5 to 12% fines require dual symbols: SW-SM well graded sand with silt, SW-SC well graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay

 $^{^{\}text{F}}$ If soil contains \geq 15% sand, add "with sand" to group name.

^GIf fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

^HIf fines are organic, add "with organic fines" to group name.

¹ If soil contains ≥ 15% gravel, add "with gravel" to group name.

^J If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

K If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

^L If soil contains ≥ 30% plus No. 200 predominantly sand, add "sandy" to group name.

 $^{^{\}text{M}}$ If soil contains \geq 30% plus No. 200, predominantly gravel, add "gravelly" to group name.

^NPI ≥ 4 and plots on or above "A" line.

^oPI < 4 or plots below "A" line.

^PPI plots on or above "A" line.

GENERAL NOTES

DRILLING & SAMPLING SYMBOLS:

SS:	Split Spoon - 1%" I.D., 2" O.D., unless otherwise noted	HS:	Hollow Stem Auger
ST:	Thin-Walled Tube – 2.5" O.D., unless otherwise noted	PA:	Power Auger
RS:	Ring Sampler - 2.42" I.D., 3" O.D., unless otherwise noted	HA:	Hand Auger
CS:	California Barrel - 1.92" I.D., 2.5" O.D., unless otherwise noted	RB:	Rock Bit

BS: Bulk Sample or Auger Sample WB: Wash Boring or Mud Rotary

The number of blows required to advance a standard 2-inch O.D. split-spoon sampler (SS) the last 12 inches of the total 18-inch penetration with a 140-pound hammer falling 30 inches is considered the "Standard Penetration" or "N-value". For 2.5" O.D. California Barrel samplers (CB) the penetration value is reported as the number of blows required to advance the sampler 12 inches using a 140-pound hammer falling 30 inches, reported as "blows per inch," and is not considered equivalent to the "Standard Penetration" or "N-value".

WATER LEVEL MEASUREMENT SYMBOLS:

FINE CRAINED COILS

WL:	Water Level	WS:	While Sampling
WCI:	Wet Cave in	WD:	While Drilling
DCI:	Dry Cave in	BCR:	Before Casing Removal
AB:	After Boring	ACR:	After Casing Removal

Water levels indicated on the boring logs are the levels measured in the borings at the times indicated. Groundwater levels at other times and other locations across the site could vary. In pervious soils, the indicated levels may reflect the location of groundwater. In low permeability soils, the accurate determination of groundwater levels may not be possible with only short-term observations.

DESCRIPTIVE SOIL CLASSIFICATION: Soil classification is based on the Unified Classification System. Coarse Grained Soils have more than 50% of their dry weight retained on a #200 sieve; their principal descriptors are: boulders, cobbles, gravel or sand. Fine Grained Soils have less than 50% of their dry weight retained on a #200 sieve; they are principally described as clays if they are plastic, and silts if they are slightly plastic or non-plastic. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size. In addition to gradation, coarse-grained soils are defined on the basis of their in-place relative density and fine-grained soils on the basis of their consistency.

COARSE CRAINED COILS

FINE-GRAINED SUILS			COA	KSE-GRAIN	IED SOILS	BEDROCK		
(CB) Blows/Ft.	(SS) Blows/Ft.	Consistency	(CB) Blows/Ft.	(SS) Blows/Ft.	<u>Relative</u> <u>Density</u>	(CB) Blows/Ft.	(SS) Blows/Ft.	Consistency
< 3	0-2	Very Soft	0-5	< 3	Very Loose	< 24	< 20	Weathered
3-5	3-4	Soft	6-14	4-9	Loose	24-35	20-29	Firm
6-10	5-8	Medium Stiff	15-46	10-29	Medium Dense	36-60	30-49	Medium Hard
11-18	9-15	Stiff	47-79	30-50	Dense	61-96	50-79	Hard
19-36 > 36	16-30 > 30	Very Stiff	> 79	> 50	Very Dense	> 96	> 79	Very Hard

RELATIVE PROPORTIONS OF SAND AND GRAVEL

Descriptive Terms of Other Constituents	<u>Percent of</u> Dry Weight	Major Component of Sample	Particle Size
Trace	< 15	Boulders	Over 12 in. (300mm)
With	15 – 29	Cobbles	12 in. to 3 in. (300mm to 75 mm)
Modifier	> 30	Gravel	3 in. to #4 sieve (75mm to 4.75 mm)
		Sand	#4 to #200 sieve (4.75mm to 0.075mm)
		Silt or Clay	Passing #200 Sieve (0.075mm)

RELATIVE PROPORTIONS OF FINES

<u>Descriptive Terms of</u> Other Constituents	<u>Percent of</u> <u>Dry Weight</u>	<u>Term</u>	Plasticity Index
Trace	< 5	Non-plastic	0
With	5 – 12	Low	1-10
Modifiers	> 12	Medium	11-30
		Hiah	30+



GRAIN SIZE TERMINOLOGY

PLASTICITY DESCRIPTION

DEDDOCK

<u>So</u>LOGIC

March 28, 2017

Quality Engineering, LLC 2637 Midpoint Drive, Suite E Fort Collins, Colorado 80234

Attn: Ms. Lisa Denke, P.E.

Re: Geotechnical Subsurface Exploration and Pavement Design Report

317-321 Sherwood Street Alleyway Pavements

Fort Collins, Colorado Soilogic Project # 17-1053

Ms. Denke:

Soilogic, Inc. (Soilogic) personnel have completed the geotechnical subsurface exploration and pavement section design you requested for the alleyway paving to be completed as part of the off-site improvements associated with 317-321 Sherwood Street in Fort Collins, Colorado. The results of our subsurface exploration and pertinent geotechnical engineering recommendations are included with this report. A structural pavement section designs are also included.

The purpose of our exploration was to describe the subsurface conditions encountered in the completed site borings and develop the test data necessary to provide recommendations concerning development of the alleyway subgrade soils and a pavement section design options for the alleyway. The conclusions and recommendations outlined in this report are based on results of the completed field and laboratory testing and our experience with subsurface conditions in this area.

This project involves the paving of the alleyway located behind 317-321 Sherwood Street extending from West Magnolia Street north approximately 200 feet. At the time of our site exploration, the alleyway was in service and we expect the sewer utility had been inplace for an extended period. The alleyway was at approximate finish subgrade elevation at the time of drilling.

Geotechnical Subsurface Exploration and Pavement Design Report 317-321 Sherwood Street Alleyway Pavements

> Fort Collins, Colorado Soilogic # 17-1053

> > 2

FIELD EXPLORATION

To develop subsurface information for use in the pavement design, two (2) soil borings were advanced within the alleyway alignment to a depth of approximately ten (10) feet below alleyway subgrade level in accordance with the Larimer County Urban Area Street Standards (LCUASS). The boring locations were established in the field by Soilogic personnel by pacing and estimating angles and distances from identifiable site references. The boring locations should be considered accurate only to the degree implied by the methods used to make the field measurements. A diagram indicating the approximate boring locations is included with this report. Graphic logs of the auger borings are also included.

The test holes were advanced using 4-inch diameter continuous-flight auger powered by a truck-mounted CME-45 drill rig. Samples of the subsurface materials were obtained at regular intervals using California barrel sampling procedures in general accordance with ASTM specification D-1586. As part of the D-1586 sampling procedure, standard sampling barrels are driven into the substrata using a 140-pound hammer falling a distance of 30 inches. The number of blows required to advance the samplers a distance of 12 inches is recorded and helpful in estimating the consistency or relative density of the soils encountered. In the California barrel sampling procedure, lesser disturbed samples are obtained in removable brass liners. Samples of the subsurface materials obtained in the field were sealed and returned to the laboratory for further evaluation, classification and testing.

LABORATORY TESTING

The samples collected were tested in the laboratory to measure natural moisture content and visually and/or manually classified in accordance with the Unified Soil Classification System (USCS). The USCS group symbols are indicated on the attached boring logs. An outline of the USCS classification system is included with this report.

As part of the laboratory testing, a calibrated hand penetrometer (CHP) was used to estimate the unconfined compressive strength of essentially cohesive specimens. The CHP also provides a more reliable estimate of soil consistency than tactual observation

Geotechnical Subsurface Exploration and Pavement Design Report 317-321 Sherwood Street Alleyway Pavements Fort Collins, Colorado

Soilogic # 17-1053

3

alone. Dry density, Atterberg limits, -200 wash and swell/consolidation tests were completed on selected samples to help establish specific soil characteristics. Atterberg limits tests are used to determine soil plasticity. The percent passing the #200 size sieve (-200 wash test) is used to determine the percentage of fine grained materials (clay and silt) in a sample. Swell/consolidation tests are performed to evaluate soil volume change potential with variation in moisture content. Swell/consolidation tests completed on samples obtained at a depth of approximately 2 feet below ground surface were inundated with water at a 150 psf confining pressure. As part of the completed laboratory testing, one (1) resistance value (R-value) test was completed on a representative subgrade sample for use in pavement design. The results of the completed laboratory tests are outlined on the attached boring logs and swell/consolidation summary sheets.

SUBSURFACE CONDITIONS

The subsurface materials encountered in the completed site borings can be summarized as follows. Approximately 6 inches of recycled asphalt pavement (RAP) was encountered at the surface at the boring locations. At the location of boring B-2, the RAP was underlain by apparent fill/utility backfill consisting of brown clayey sand and gravel. The RAP encountered at the location of boring B-3 and apparent fill encountered at the location of boring B-2 was underlain by light reddish brown to brown silty lean clay. The silty lean clay varied from soft to stiff in terms of consistency, exhibited low swell potential at in-situ moisture and density conditions and extended to depths ranging from approximately 7 to 8 feet below ground surface where it transitioned to tan to light reddish brown sandy lean to fat clay. The lean to fat clay was stiff in consistency and extended to the bottom of both borings at a depth of approximately 10 feet below present site grades.

The stratigraphy indicated on the included boring logs represents the approximate location of changes in soil types. Actual changes may be more gradual than those indicated.

Groundwater was not encountered in either of the completed site borings at the time of drilling. Groundwater levels will vary seasonally and over time based on weather conditions, site development, irrigation practices and other hydrologic conditions.

Geotechnical Subsurface Exploration and Pavement Design Report 317-321 Sherwood Street Alleyway Pavements

> Fort Collins, Colorado Soilogic # 17-1053

> > 1

Perched and/or trapped groundwater conditions may also be encountered at times throughout the year. Perched water is commonly encountered in soils overlying less permeable soil layers and/or bedrock. Trapped water is typically encountered within more permeable zones of layered soil and bedrock systems. The location and amount of perched and/or trapped water can also vary over time.

ANALYSIS AND RECOMMENDATIONS

Roadway Subgrade Development

The lean clay subgrade soils encountered in the completed site borings exhibited low swell potential at in-situ moisture and density conditions. The clayey sand and gravel encountered near surface at boring location B-2 would be expected to be non-expansive or possess low swell potential based on the materials physical properties and engineering characteristics. Based on results of the completed field and laboratory testing, it is our opinion the clayey sand and gravel and silty lean clay could be used for direct support of the alleyway pavements. Immediately prior to paving, we recommend the exposed subgrade soils be scarified to a depth of 9 inches, adjusted in moisture content and compacted to at least 95% of the materials standard Proctor maximum dry density. The moisture content of the scarified subgrade soils should be adjusted to be within the range of $\pm 2\%$ of standard Proctor optimum moisture content at the time of compaction. If fly ash stabilization of the pavement subgrade soils will be completed, reconditioning of the subgrade soils prior to fly ash treatment would not be required.

Care should be taken to avoid disturbing the developed subgrade soils prior to paving. In addition, efforts to maintain the proper moisture content in the subgrade soils should be made. If subgrade soils are disturbed by the construction activities or allowed to dry out or become elevated in moisture content, those materials should be reworked in place or removed and replaced prior to surfacing.

Proof-rolling of the alleyway subgrade soils should be completed prior to paving to help identify any areas of soft/unstable soils. Those areas identified as unstable would need to be mended prior to paving. Isolated areas of instability can be mended on a case by case basis. If more extensive areas of subgrade instability are encountered and depending on

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Soilogic # 17-1053

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the time of year when construction occurs and other hydrologic conditions, stabilization of the subgrade soils may become necessary to develop a suitable paving platform. Based on the materials encountered in the completed site borings and results of laboratory testing, it is our opinion fly ash stabilization of the pavement subgrades could be completed to develop a suitable paving platform. With the increase in support strength developed by the stabilization procedures, it is our opinion the zone of stabilized subgrade could be included in the pavement section design, slightly reducing the required thickness of overlying aggregate base course. Pavement section design options incorporating some structural credit for the fly ash stabilized subgrade soils are outlined below in Table I. Fly ash stabilization can eliminate some of the uncertainty associated with attempting to pave during periods of inclement weather.

For half credit and if fly ash stabilization will be completed, we recommend the addition of 12% class 'C' fly ash based on component dry unit weights. A 12-inch thick stabilized zone should be constructed by thoroughly blending the fly ash with the in-place subgrade soils. Some "fluffing" of the finish subgrade level should be expected with the stabilization procedures. The blended materials should be adjusted to within $\pm 2\%$ of standard Proctor optimum moisture content and compacted to at least 95% of the material's standard Proctor maximum dry density within two (2) hours of fly ash addition.

Pavement Design

Site pavement could be supported directly on stable reconditioned subgrade soils or fly ash treated subgrade soils developed as outlined above. The pavement subgrade soils are expected to consist of reconditioned silty lean clay and clayey sand and gravel. The silty lean clay soils classify as A-6 soils in accordance with The American Association of State Highway and Transportation Officials (AASHTO) classification system and would be expected to exhibit low remolded shear strength. An R-value of less than 5 was determined on a representative subgrade sample obtained from the borings and used in pavement section design. Design ESAL's were provided by City of Fort Collins personnel. Serviceability loss and reliability were obtained from the current LCUASS.

Outlined below in Table I. are pavement section design options for the project alleyway.

Geotechnical Subsurface Exploration and Pavement Design Report 317-321 Sherwood Street Alleyway Pavements Fort Collins, Colorado Soilogic # 17-1053

TABLE 1 – PAVEMENT	SECTION DESIGN
Roadway	317-321 Sherwood Street Alleyway
Classification	Alley/Local Residential
ESAL's	73,000
Reliability	80%
% Loss	2.5%
Resilient Modulus (Mr)	3025
Design Structural Number	(2.83)
č	` ,
Option A – Composite	
Surface Asphalt (Grading S or SX)	5" (0.44/inch)
Aggregate Base (Class 5 or 6)	6" (0.11/inch)
(Structural Number)	(2.86)
	` ,
Option B – Composite on Fly Ash	4" (0.44/inch)
Asphalt (Grading S or SX)	5" (0.11/inch)
Aggregate Base (Class 5 or 6)	12" (10 @ .05/inch)
Fly Ash Treated Subgrade	(2.81)
(Structural Number)	, ,

Asphaltic concrete should consist of a bituminous plant mix composed of a mixture of aggregate, filler, binders and additives if required meeting the design requirements of the City of Fort Collins (LCUASS). Aggregate used in the asphaltic concrete for local residential roadways should meet specific gradation requirements for Colorado Department of Transportation (CDOT) grading S (3/4 inch minus) or SX (1/2 inch minus) mixes. Hot mix asphalt designed using "Superpave" criteria should be compacted to within 92 to 96% of the materials Maximum Theoretical Density. Aggregate base should be consistent with CDOT requirements for Class 5 or 6 aggregate base, placed in loose lifts not to exceed 9 inches thick and compacted to at least 95% of the materials standard Proctor maximum dry density.

The proposed pavement section design does not include an allowance for excessive loading conditions imposed by heavy construction vehicles or equipment. The recommended pavement sections are minimums and periodic maintenance efforts should be expected. A preventative maintenance program can help increase the service life of the roadway pavement.

Geotechnical Subsurface Exploration and Pavement Design Report 317-321 Sherwood Street Alleyway Pavements

Fort Collins, Colorado Soilogic # 17-1053

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Drainage

Positive drainage is imperative for long term performance of the alleyway pavements.

Water which is allowed to pond adjacent to alleyway pavements can result in a loss of

subgrade support and premature failure of the overlying pavement section.

LIMITATIONS

This report was prepared based upon the data obtained from the completed site

exploration, laboratory testing, engineering analysis and any other information discussed.

The completed borings provide an indication of subsurface conditions at the boring

locations only. Variations in subsurface conditions can occur in relatively short distances

away from the borings. This report does not reflect any variations which may occur

across the site or away from the borings. If variations in the subsurface conditions

anticipated become evident, the geotechnical engineer should be notified immediately so

that further evaluation and supplemental recommendations can be provided.

The scope of services for this project does not include either specifically or by

implication any biological or environmental assessment of the site or identification or

prevention of pollutants or hazardous materials or conditions. Other studies should be

completed if concerns over the potential of such contamination or pollution exist.

The geotechnical engineer should be retained to review the plans and specifications so

that comments can be made regarding the interpretation and implementation of our

geotechnical recommendations in the design and specifications. The geotechnical

engineer should also be retained to provide testing and observation services during

construction to help determine that the design requirements are fulfilled.

This report has been prepared for the exclusive use of our client for specific application

to the project discussed and has been prepared in accordance with the generally accepted

standard of care for the profession. No warranties express or implied, are made. The

conclusions and recommendations contained in this report should not be considered valid

in the event that any changes in the nature, design or location of the project as outlined in

Geotechnical Subsurface Exploration and Pavement Design Report 317-321 Sherwood Street Alleyway Pavements Fort Collins, Colorado Soilogic # 17-1053

this report are planned, unless those changes are reviewed and the conclusions of this report modified and verified in writing by the geotechnical engineer.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the enclosed information or if we can be of further assistance to you in any way, please do not hesitate to contact us.

Very Truly Yours, Soilogic, Inc.

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Wolf von Carlowitz, P.E. Principal Engineer

Reviewed by:

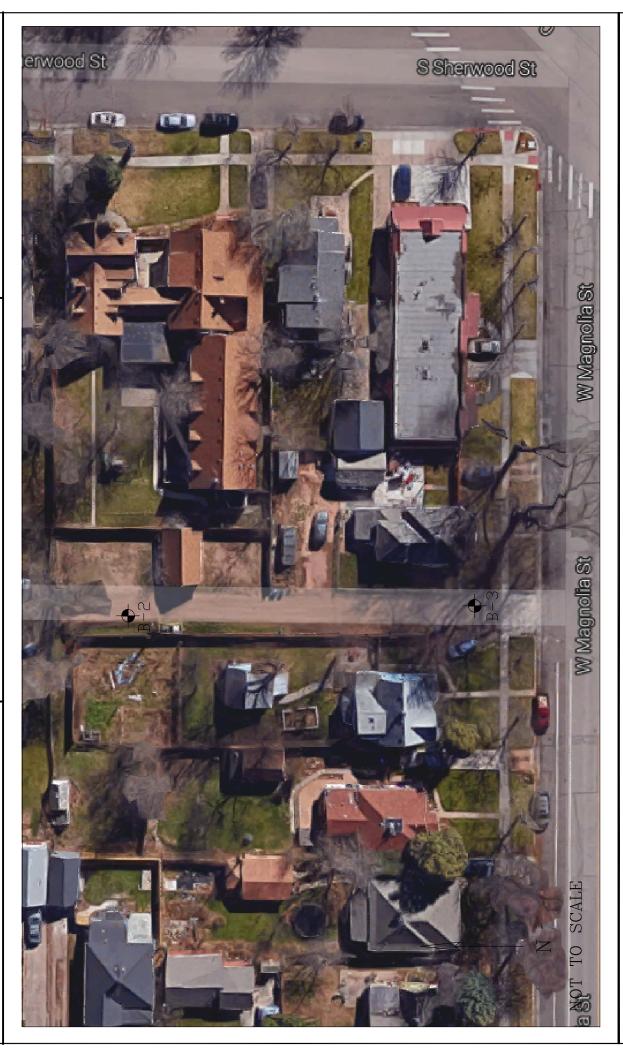
Darrel DiCarlo, P.E.

Darrel DiCarlo, P.E. Senior Project Engineer

MARCH 2017 PRDJECT # 17-1053

BORING LOCATION DIAGRAM





317-321 SHERWOOD STREET ALLEYWAY PAVEMENTS FORT COLLINS, COLORADO

317-321 SHERWOOD STREET ALLEYWAY PAVEMENTS

FORT COLLINS, COLORADO Project # 17-1053 March 2017

LOG OF BORING B-2



Sheet	1/1	Drilling Rig:	CME 45	Water Depth Information		
Start Date	3/6/2017	Auger Type:	4" CFA	During Drilling	None	
Finish Date	3/6/2017	Hammer Type:	Automatic	After Drilling	None	
Surface Elev.	-	Field Personnel:	CP/ZG	24 Hours After Drilling	-	

nscs	SOIL DESCRIPTION	Depth (ft)	pler	"N"	мс	DD	Estimated \mathbf{q}_u	% Swell @	Swell Pressure	Attorbo	g Limits	% Passing # 200 Sieve
ns	SOIL DESCRIPTION	(ft)	Sarr	14	(%)	(pcf)	(psf)	500 psf	(psf)	LL	PI	(%)
	6" RECYCLED ASPHALT PAVEMENT	-			(,,,	(1)	(1-5-7)	222 22	(1)			(15)
SC-GC	FILL - CLAYEY SAND AND GRAVEL	1										
	brown	-										
		2										
		3	cs	11	18.9	108.2	9000+	0.4%	_	_	_	_
CL	SILTY LEAN CLAY	-	-		10.0	100.2	55551	0.470				
	light reddish brown	4										
	soft to stiff	-										
		5	cs	5	19.6	96.3	6000	-	-	34	15	80.3%
		6										
		-										
		7										
		-										
		8										
CL-CH	SANDY LEAN TO FAT CLAY tan to light reddish brown	9										
	stiff	-										
	Still.	10	cs	14	19.7	107.3	7000	-	-	-	-	-
	BOTTOM OF BORING 10'	-										
		11										
		-										
		12										
		13										
		-										
		14										
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		15										
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		-										
		25										

317-321 SHERWOOD STREET ALLEYWAY PAVEMENTS

FORT COLLINS, COLORADO Project # 17-1053 March 2017

LOG OF BORING B-3



Sheet	1/1	Drilling Rig:	CME 45	Water Depth Information		
Start Date	3/6/2017	Auger Type:	4" CFA	During Drilling	None	
Finish Date	3/6/2017	Hammer Type:	Automatic	After Drilling	None	
Surface Elev.	-	Field Personnel:	CP/ZG	24 Hours After Drilling	=	

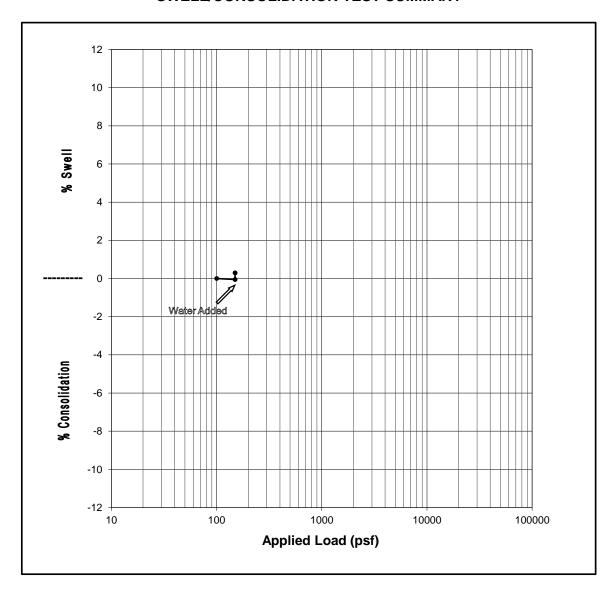
nscs	SOIL DESCRIPTION	Depth (ft)	pler	"N"	мс	DD	Estimated	% Swell @	Swell Pressure	Attorbo	g Limits	% Passing # 200 Sieve
ns	SOIL DESCRIPTION	(ft)	San	14	(%)	(pcf)	q _u (psf)	500 psf	(psf)	LL	PI	(%)
	6" RECYCLED ASPHALT PAVEMENT	-			(//	(/	(/		(1-2-7			(7-5)
		1										
CL	SILTY LEAN CLAY	2										
	brown	-										
	medium stiff	3	cs	8	17.6	110.8	9000+	0.6%	-	-	-	-
		- 4										
		-										
		5	cs	7	18.5	100.3	9000+	-	-	-	-	-
		6										
		-										
		7										
CL-CH	SANDY LEAN TO FAT CLAY	8										
	reddish brown	-										
	stiff	9										
		- 10	cs	16	18.6	111.3	9000+	_	-	-	-	_
	BOTTOM OF BORING 10'	-										
		11										
		- 12										
		-										
		13										
		- 14										
		-										
		15										
		- 16										
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		25										

317-321 SHERWOOD STREET ALLEYWAY PAVEMENTS

FORT COLLINS, COLORADO

Project # 17-1053 March 2017

SWELL/CONSOLIDATION TEST SUMMARY



Sample ID: B-2 @ 2 Sample Description: (Swell Only)

(Onesi Only)							
Initial Moisture	18.9%	Liquid Limit	-				
Final Moisture	19.5%	Plasticity Index	-				
% Swell @ 500 psf	0.4%	% Passing #200	-				
Swell Pressure (psf)	-	Dry Density (pcf)	108.2				

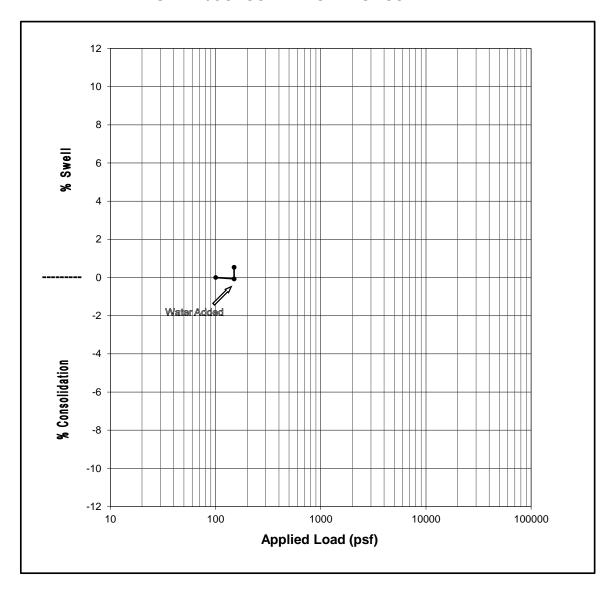


317-321 SHERWOOD STREET ALLEYWAY PAVEMENTS

FORT COLLINS, COLORADO

Project # 17-1053 March 2017

SWELL/CONSOLIDATION TEST SUMMARY



Sample ID: B-3 @ 2 Sample Description: (Swell Only)

(0)							
Initial Moisture	17.6%	Liquid Limit	-				
Final Moisture	19.1%	Plasticity Index	-				
% Swell @ 500 psf	0.6%	% Passing #200	-				
Swell Pressure (psf)	-	Dry Density (pcf)	110.8				



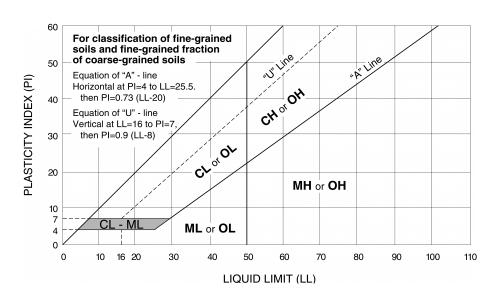
UNIFIED SOIL CLASSIFICATION SYSTEM

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests ^A					Soil Classification	
				Group Symbol	Group Name ⁸	
Coarse Grained Soils	Gravels	Clean Gravels	Cu ≥ 4 and 1 ≤ Cc ≤ 3 ^E	GW	Well graded gravel ^F	
More than 50% retained	More than 50% of coarse fraction retained on	Less than 5% fines ^c	Cu < 4 and/or 1 > Cc > 3 ^E	GP	Poorly graded gravel ^F	
on No. 200 sieve	No. 4 sieve		Fines classify as ML or MH	GM	Silty gravel ^{F,G, H}	
		than 12% fines ^c	Fines classify as CL or CH	GC	Clayey gravel ^{F,G,H}	
Sands		Clean Sands	Cu ≥ 6 and 1 ≤ Cc ≤ 3 ^E	SW	Well graded sand	
	50% or more of coarse fraction passes	Less than 5% fines ^D	Cu < 6 and/or 1 > Cc > 3 ^E	SP	Poorly graded sand	
	No. 4 sieve	Sands with Fines	Fines classify as ML or MH	SM	Silty sand ^{G,H,I}	
		More than 12% fines ^D	Fines classify as CL or CH	SC	Clayey sand ^{G,H,I}	
Fine-Grained Soils	Silts and Clays	Inorganic	PI > 7 and plots on or above "A" lin	e ^J CL	Lean clay ^{K,L,M}	
50% or more passes the No. 200 sieve	Liquid limit less than 50		PI < 4 or plots below "A" line ^J	ML	Silt ^{K,L,M}	
		Organic	Liquid limit - oven dried < 0.	75 OL	Organic clay ^{K,L,M,N}	
			Liquid limit - not dried		Organic silt ^{K,L,M,O}	
	Silts and Clays	Inorganic	PI plots on or above "A" line	CH	Fat clay ^{K,L,M}	
	Liquid limit 50 or more		PI plots below "A" line	МН	Elastic silt ^{K,L,M}	
		Organic	Liquid limit - oven dried < 0.	75 OH	Organic clay ^{K,L,M,P}	
			Liquid limit - not dried	70 011	Organic silt ^{K,L,M,Q}	
Highly organic soils	Prima	rily organic matter, dark in co	olor, and organic odor	PT	Peat	

^ABased on the material passing the 3-in. (75-mm) sieve

^ECu =
$$D_{60}/D_{10}$$
 Cc = $\frac{(D_{30})^2}{D_{10} \times D_{60}}$

^QPI plots below "A" line.



^B If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

^c Gravels with 5 to 12% fines require dual symbols: GW-GM well graded gravel with silt, GW-GC well graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

^D Sands with 5 to 12% fines require dual symbols: SW-SM well graded sand with silt, SW-SC well graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay

 $^{^{\}text{F}}$ If soil contains \geq 15% sand, add "with sand" to group name.

^GIf fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

^HIf fines are organic, add "with organic fines" to group name.

¹ If soil contains ≥ 15% gravel, add "with gravel" to group name.

^J If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

K If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

^L If soil contains ≥ 30% plus No. 200 predominantly sand, add "sandy" to group name.

 $^{^{\}text{M}}$ If soil contains \geq 30% plus No. 200, predominantly gravel, add "gravelly" to group name.

^NPI ≥ 4 and plots on or above "A" line.

^oPI < 4 or plots below "A" line.

PPI plots on or above "A" line.

GENERAL NOTES

DRILLING & SAMPLING SYMBOLS:

SS:	Split Spoon - 1%" I.D., 2" O.D., unless otherwise noted	HS:	Hollow Stem Auger
ST:	Thin-Walled Tube – 2.5" O.D., unless otherwise noted	PA:	Power Auger
RS:	Ring Sampler - 2.42" I.D., 3" O.D., unless otherwise noted	HA:	Hand Auger
CS:	California Barrel - 1.92" I.D., 2.5" O.D., unless otherwise noted	RB:	Rock Bit

BS: Bulk Sample or Auger Sample WB: Wash Boring or Mud Rotary

The number of blows required to advance a standard 2-inch O.D. split-spoon sampler (SS) the last 12 inches of the total 18-inch penetration with a 140-pound hammer falling 30 inches is considered the "Standard Penetration" or "N-value". For 2.5" O.D. California Barrel samplers (CB) the penetration value is reported as the number of blows required to advance the sampler 12 inches using a 140-pound hammer falling 30 inches, reported as "blows per inch," and is not considered equivalent to the "Standard Penetration" or "N-value".

WATER LEVEL MEASUREMENT SYMBOLS:

FINE CRAINED COILS

WL:	Water Level	WS:	While Sampling
WCI:	Wet Cave in	WD:	While Drilling
DCI:	Dry Cave in	BCR:	Before Casing Removal
AB:	After Boring	ACR:	After Casing Removal

Water levels indicated on the boring logs are the levels measured in the borings at the times indicated. Groundwater levels at other times and other locations across the site could vary. In pervious soils, the indicated levels may reflect the location of groundwater. In low permeability soils, the accurate determination of groundwater levels may not be possible with only short-term observations.

DESCRIPTIVE SOIL CLASSIFICATION: Soil classification is based on the Unified Classification System. Coarse Grained Soils have more than 50% of their dry weight retained on a #200 sieve; their principal descriptors are: boulders, cobbles, gravel or sand. Fine Grained Soils have less than 50% of their dry weight retained on a #200 sieve; they are principally described as clays if they are plastic, and silts if they are slightly plastic or non-plastic. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size. In addition to gradation, coarse-grained soils are defined on the basis of their in-place relative density and fine-grained soils on the basis of their consistency.

COARSE CRAINED SOILS

FIN	FINE-GRAINED SOILS COARSE-0				IED SOILS		BEDRUC	<u>·N</u>
(CB) Blows/Ft.	(SS) Blows/Ft.	Consistency	(CB) Blows/Ft.	(SS) Blows/Ft.	<u>Relative</u> <u>Density</u>	(CB) Blows/Ft.	(SS) Blows/Ft.	Consistency
< 3	0-2	Very Soft	0-5	< 3	Very Loose	< 24	< 20	Weathered
3-5	3-4	Soft	6-14	4-9	Loose	24-35	20-29	Firm
6-10	5-8	Medium Stiff	15-46	10-29	Medium Dense	36-60	30-49	Medium Hard
11-18	9-15	Stiff	47-79	30-50	Dense	61-96	50-79	Hard
19-36 > 36	16-30 > 30	Very Stiff	> 79	> 50	Very Dense	> 96	> 79	Very Hard

RELATIVE PROPORTIONS OF SAND AND GRAVEL

Descriptive Terms of Other Constituents	<u>Percent of</u> Dry Weight	Major Component of Sample	Particle Size
Trace	< 15	Boulders	Over 12 in. (300mm)
With	15 – 29	Cobbles	12 in. to 3 in. (300mm to 75 mm)
Modifier	> 30	Gravel	3 in. to #4 sieve (75mm to 4.75 mm)
		Sand	#4 to #200 sieve (4.75mm to 0.075mm)
		Silt or Clay	Passing #200 Sieve (0.075mm)

RELATIVE PROPORTIONS OF FINES

<u>Descriptive Terms of</u> Other Constituents	<u>Percent of</u> <u>Dry Weight</u>	<u>Term</u>	Plasticity Index
Trace	< 5	Non-plastic	0
With	5 – 12	Low	1-10
Modifiers	> 12	Medium	11-30
		Hiah	30+



GRAIN SIZE TERMINOLOGY

PLASTICITY DESCRIPTION

DEDDOCK



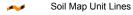
MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons



Soil Map Unit Points

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

A Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Saline Spot

** Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

ND

Stony Spot

Wery Stony Spot

Spoil Area

Wet Spot

△ Other

Special Line Features

Water Features

Streams and Canals

Transportation

+++ Rails

Interstate Highways

~

US Routes

Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Larimer County Area, Colorado Survey Area Data: Version 10, Sep 22, 2015

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2011—Apr 28, 2011

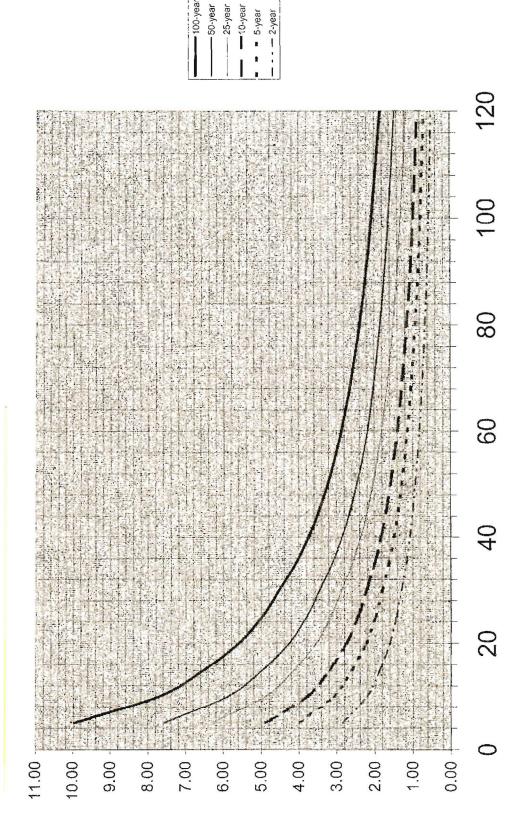
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Larimer County Area, Colorado (CO644)						
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI			
35	Fort Collins loam, 0 to 3 percent slopes	0.5	100.0%			
Totals for Area of Interest		0.5	100.0%			

Duration (minutes)

Rainfall Intensity-Duration-Frequency Curve City of Fort Collins Precipitation Frequency Analysis, 1999 (Regional Analysis) City of Fort Collins, Colorado Figure 3-1



25-year

Intensity (in/hr)

City of Fort Collins Rainfall Intensity-Duration-Frequency Table for using the Rational Method (5 minutes – 30 minutes) Figure 3-1a

Duration	2-year	10-year	100-year
(minutes)	Intensity	Intensity	Intensity
, ,	(in/hr)	(in/hr)	(in/hr)
5.00	2.85	4.87	9.95
6.00	2.67	4.56	9.31
7.00	2.52	4.31	8.80
8.00	2.40	4.10	8.38
9.00	2.30	3.93	8.03
10.00	2.21	3.78	7.72
11.00	2.13	3.63	7.42
12.00	2.05	3.50	7.16
13.00	1.98	3.39	6.92
14.00	1.92	3.29	6.71
15.00	1.87	3.19	6.52
16.00	1.81	3.08	6.30
17.00	1.75	2.99	6.10
18.00	1.70	2.90	5.92
19.00	1.65	2.82	5.75
20.00	1.61	2.74	5.60
21.00	1.56	2.67	5.46
22.00	1.53	2.61	5.32
23.00	1.49	2.55	5.20
24.00	1.46	2.49	5.09
25.00	1.43	2.44	4.98
26.00	1.40	2.39	4.87
27.00	1.37	2.34	4.78
28.00	1.34	2.29	4.69
29.00	1.32	2.25	4.60
30.00	1.30	2.21	4.52

Table RO-3—Recommended Percentage Imperviousness Values

Land Use or Surface Characteristics	Percentage Imperviousness
Business:	
Commercial areas	95
Neighborhood areas	85
Residential:	·
Single-family	*
Multi-unit (detached)	60
Multi-unit (attached)	75
Half-acre lot or larger	*
Apartments	80
Industrial:	
Light areas	80
Heavy areas	90
Parks, cemeteries	5
Playgrounds	10
Schools	50
Railroad yard areas	15
Undeveloped Areas:	
Historic flow analysis	2
Greenbelts, agricultural	2
Off-site flow analysis	45
(when land use not defined)	
Streets:	
Paved	100
Gravel (packed)	40
Drive and walks	90
Roofs	90
Lawns, sandy soil	0
Lawns, clayey soil	0

^{*} See <u>Figures RO-3</u> through <u>RO-5</u> for percentage imperviousness.

$$C_A = K_A + (1.31i^3 - 1.44i^2 + 1.135i - 0.12)$$
 for $C_A \ge 0$, otherwise $C_A = 0$ (RO-6)

$$C_{CD} = K_{CD} + (0.858i^3 - 0.786i^2 + 0.774i + 0.04)$$
 (RO-7)

$$C_B = (C_A + C_{CD})/2$$

Composite C Values

FAITH FAMILY

Design Point	Basin(s)	Asphalt Area (acres) (C = 0.95)	Concrete Area (acres) (C = 0.95)	Gravel (acres) (C = 0.50)	Roofs (acres) (<i>C</i> = 0.95)	Lawns (acres) (C = 0.15)	Total Area (acres)	Minor (2-YR) Composite "C"	Major (100-YR) Composite "C" (Cf x C)
	Existing								
E1	E1	0.000	0.000	0.055	0.009	0.010	0.074	0.51	0.63
E2	E2	0.000	0.051	0.000	0.143	0.168	0.362	0.58	0.72
ALLEY	ALLEY	0.000	0.000	0.058	0.000	0.036	0.094	0.37	0.46
				Develo	ped				
D1	B1	0.016	0.012	0.019	0.000	0.027	0.074	0.54	0.68
D2	B2	0.000	0.051	0.000	0.143	0.168	0.362	0.58	0.72
ALLEY	ALLEY	0.072	0.017	0.000	0.000	0.005	0.094	0.91	1.00

Notes:

Composite C values obtained from Table R0-11 Major Storm Runoff factored per Table R0-12

Imperviousness

FAITH FAMILY

Dosign Boint	Basin (s)	Asphalt Area (acres)	Concrete Area (acres)	Gravel (acres)	Roofs (acres)	Lawns (acres)	Total Area	Percent		
Design Point	Dasin (S)	(I = 100)	(I = 100)	(I = 40)	(I = 90)	(I = O)	(acres)	Imperviousness		
-	Existing									
E1	E1	0.000	0.000	0.055	0.009	0.010	0.0740	41%		
E2	E2	0.000	0.051	0.000	0.143	0.168	0.3620	50%		
ALLEY	ALLEY	0.000	0.000	0.058	0.000	0.036	0.0940	25%		
	•		De	veloped						
D1	B1	0.016	0.012	0.019	0.000	0.027	0.074	48%		
D2	B2	0.000	0.051	0.000	0.143	0.168	0.362	50%		
ALLEY	ALLEY	0.072	0.017	0.000	0.000	0.005	0.094	95%		

Notes:

Percent Impervious Values per Table RO-3, Urban Drainage Manual

Table RO-3—Recommended Percentage Imperviousness Values

Land Use or Surface Characteristics	Percentage Imperviousness			
Business:	,,			
Commercial areas	95			
Neighborhood areas	85			
Residential:	•			
Single-family	•			
Multi-unit (detached)	60			
Multi-unit (attached)	75			
Half-acre lot or larger	•			
Apartments	80			
Industrial:				
Light areas	80			
Heavy areas	90			
Parks, cemeteries	5			
Playgrounds	10			
Schools	50			
Railroad yard areas	15			
Undeveloped Areas:				
Historic flow analysis	2			
Greenbelts, agricultural	2			
Off-site flow analysis	45			
(when land use not defined)				
Streets:				
Paved	100			
Gravel (packed)	40			
Drive and walks	90			
Roofs	90			
Lawns, sandy soil	0			
Lawns, clayey soil	0			

Basin Flow Calculations

FAITH FAMILY

Design		Area	Minor	Major		Initial/	Overland Time				Travel Time			Fi	nal T _C	Int	ensity (in,	/hr)	Ва	sin Flows (cfs)
Point	Basin (s)	(acres)	Composite "C"	Composite "C"	Length (ft)	Slope (%)	Minor t _{ov} (min) ^a	Major t _{ov} (min) ^a	Length (ft)	Slope (%)	Channel Type	Velocity (fps) ^c	t _t (min)	Minor T _c (min)	Major T _c (min)	2-yr	10-yr	100-yr	2-yr	10-yr	100-yr
										Existin	g										
E1	E1	0.0740	0.51	0.63	17	0.84	4.84	3.81	0	0.40	PA	1.26	0.00	5.00	5.00	2.85	4.87	9.95	0.11	0.18	0.47
E2	E2	0.3620	0.58	0.72	110	1.20	9.62	6.95	86	0.75	PA	1.73	0.83	10.45	7.78	2.17	3.71	8.38	0.45	0.78	2.19
ALLEY	ALLEY	0.0940	0.37	0.46	15	1.20	5.00	4.38	200	0.40	PA	1.26	2.64	7.64	7.01	2.46	4.21	8.80	0.08	0.14	0.38
										Develop	ed										
D1	B1	0.0740	0.54	0.68	40	2.00	5.23	3.96	0	0.50	PA	1.41	0.0000	5.23	5.00	2.85	4.87	9.95	0.11	0.20	0.50
D2	B2	0.3620	0.58	0.72	110	1.20	9.62	6.95	86	0.75	PA	1.73	0.8275	10.45	7.78	2.17	3.71	8.38	0.45	0.78	2.19
ALLEY	ALLEY	0.0940	0.91	1.00	15	1.50	1.22	0.63	200	0.50	PA	1.41	2.3570	5.00	5.00	2.85	4.87	9.95	0.24	0.42	0.94

Notes:

a
$$t_{ov} = \frac{1.87(1.1 - CC_f)D^{1/2}}{S^{1/3}}$$

^b HM = Heavy Meadow, TF = Tillage/field, PL = Short pasture and lawns, BG = Nearly bare ground, GW = Grassed Waterway, PA = Paved Areas

^cVelocity alues from Figure 3-3/Table RO-2 Estimate of Average Flow Velocity for use with the Rational Method

APPENDIX B: Hydraulic Computations

Fort Collins Modified FFA Method Infiltration Calculation

DETENTION VOLUME BY THE MODIFIED FAA METHOD

Project:	Faith	Family
Basin ID:		

(For catchments less than 160 acres only. For larger catchments, use hydrograph routing method) (NOTE: for catchments larger than 90 acres, CUHP hydrograph and routing are recommended)

Determination of MINOR Detention Volume Using Modified FAA Method						Determination of MAJOR Detention Volume Using Modified FAA Method							
Design Infor	mation (Input	:):					Design Info	ormation (Ir	nput):				
	inage Impervious		I _a =	48.00	percent			rainage Imper		I _a =	48.00	percent	
Catchment Drai			A =	0.074	acres		Catchment D	rainage Area		A =		acres	
	nt NRCS Soil Gro	auc	Type =	С	A, B, C, or D			ent NRCS So	il Group	Type =	С	A, B, C, or	D
	or Detention Cor		T =	2	years (2, 5, 10,	25. 50. or 100)		d for Detention		T =			10, 25, 50, or 100)
	ntration of Water		Tc =	5	minutes			entration of W		Tc =	5	minutes	, , , , ,
Allowable Unit I			q =	0.01	cfs/acre			it Release Rat		q =		cfs/acre	
			• !		•					• 1		•	
Determination	on of Average	Outflow fro	m the Basir	ı (Calculat	<u>ed):</u>		Determina	tion of Ave	rage Outfl	ow from t	he Basin (Calculate	<u>d):</u>
Runoff Coefficie			C =				Runoff Coeff			C =	0.68		
Inflow Peak Ru			Qp-in =	0.11	cfs		Inflow Peak F			Qp-in =		cfs	
Allowable Peak			Qp-out =	0.01	cfs			ak Outflow Ra		Qp-out =	0.01	cfs	
_		A Minor Stora	-	98	cubic ft			Mod. FAA Ma	ijor Storage	Volume =	165	cubic ft	
5					e (e.g. 5 for 5-Mi		5 : (!!			l		I o .r.	0:
Rainfall	Rainfall Intensity	Inflow	Adjustment	Average	Outflow	Storage	Rainfall	Rainfall Intensity	Inflow	Adjustment	Average	Outflow	Storage
Duration minutes	inches / hr	Volume cubic feet	Factor "m"	Outflow	Volume cubic feet	Volume cubic feet	Duration minutes	inches / hr	Volume cubic feet	Factor "m"	Outflow	Volume cubic feet	Volume cubic feet
(input)	(output)	(output)	(output)	cfs (output)	(output)	(output)	(input)	(output)	(output)	(output)	cfs (output)	(output)	(output)
0	0.00	0.000	0.00	0.00	0.000	0.000	0	0.00	0.000	0.00	0.00	0.000	0.000
5	2.85	34.166	1.00	0.00	3.000	31.166	5	9.95	55.223	1.00	0.00	3.900	51.323
10	2.21	52.987	0.75	0.01	4.500	48.487	10	7.72	85.692	0.75	0.01	5.850	79.842
15	1.87	67.253	0.67	0.01	6.000	61.253	15	6.52	108.558	0.67	0.01	7.800	100.758
20	1.61	77.203	0.63	0.01	7.500	69.703	20	5.60	124.320	0.63	0.01	9.750	114.570
25	1.43	85.714	0.60	0.01	9.000	76.714	25	4.98	138.195	0.60	0.01	11.700	126.495
30	1.30	93.506	0.58	0.01	10.500	83.006	30	4.52	150.516	0.58	0.01	13.650	136.866
35	1.17	98.182	0.57	0.01	12.000	86.182	35	4.08	158.508	0.57	0.01	15.600	142.908
40	1.07	102.617	0.56	0.01	13.500	89.117	40	3.74	166.056	0.56	0.01	17.550	148.506
45	0.99	106.813	0.56	0.01	15.000	91.813	45	3.46	172.827	0.56	0.01	19.500	153.327
50	0.92	110.290	0.55	0.01	16.500	93.790	50	3.23	179.265	0.55	0.01	21.450	157.815
55	0.87	114.725	0.55	0.01	18.000	96.725	55	3.03	184.982	0.55	0.01	23.400	161.582
60	0.82	117.962	0.54	0.01	19.500	98.462	60	2.86	190.476	0.54	0.01	25.350	165.126
												-	



Project No: 7040-007 **Project Name:** Faith Family

Designer: RJP

Date: 4/18/2017 **Basin:** B2

Infiltration Calculator

Infiltration Rate f= 0.85 in/hr or 1.96759E-05 ft/sec

* Infiltation Rate taken from soils report

Surface Area 961 sq. ft.

Allowable Infiltrating Flow 0.019 cfs Safty Factor 1.5

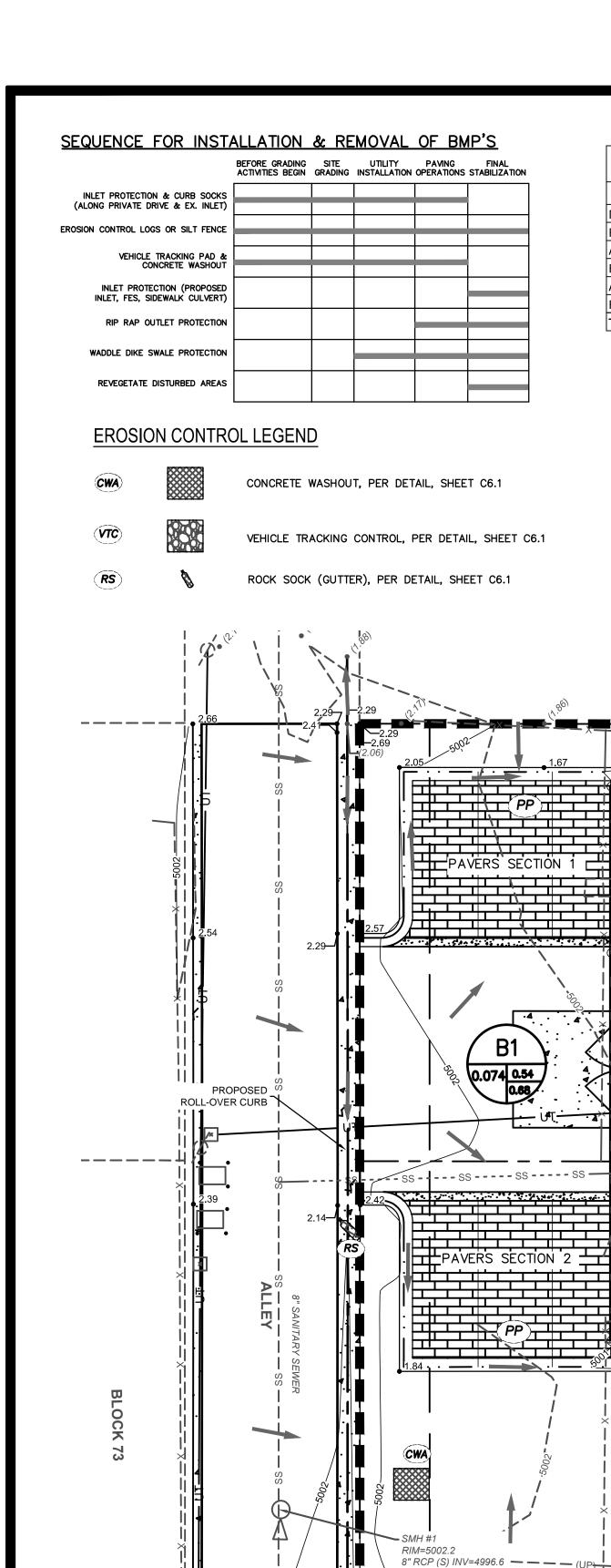
Final Allowable Infiltrating Flow 0.013 cfs

100-YR Event Volume 165 cubic ft

Time to Drain 13089 seconds or 3.6 hrs

APPENDIX C: Map Pocket

Drainage Plan



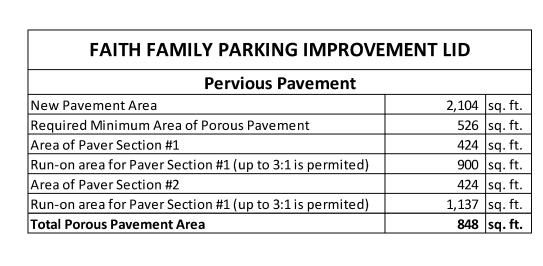
8" RCP (N) INV=4996.5

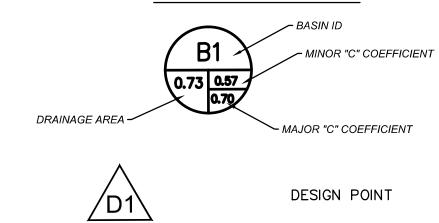
NOTE: VEHICLE TRACKING CONTROL TO BE INSTALLED AT

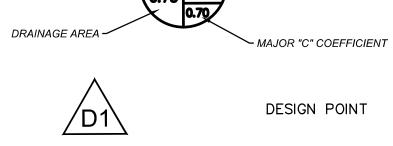
MAGNOLIA AND ROCK SOCKS ARE TO BE INSTALLED EVERY

THE ALLEY ACCESS AT

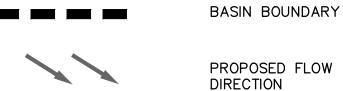
50' EAST OF THE ALLEY ACCESS UNTIL EXISTING STORM







DRAINAGE LEGEND



FLOODPLAIN NOTES

- (1) A FLOODPLAIN USE PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES (REMODEL THE EXISTING BUILDINGS, DRIVEWAYS, SIDEWALKS, PARKING LOT, UTILITY WORK, LANDSCAPING, ETC.) IN THE CITY-REGULATED 100-YEAR FLOODPLAIN.
- (2) A NO-RISE CERTIFICATION WILL BE REQUIRED BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES (REMODEL THE EXISTING BUILDINGS, DRIVEWAYS, SIDEWALKS, PARKING LOT, UTILITY WORK, LANDSCAPING, ETC.) IN THE CITY-REGULATED 100-YEAR FLOODWAY.
- (3) THE STORAGE OF EQUIPMENT AND MATERIALS IS NOT ALLOWED WITHIN THE 100-YEAR FLOODWAY.
- **NOTE:** ALL EXISTING TREES TO BE PROTECTED IN PLACE

F EXISTING DRAIN CHASE

F.F.=5002.3

EXISTING 0.5' WIDE ~

CONCRETE

COURTYARD

EXISTING GATE

F.F.=5003.8 **¬**

F.F.=5002.4

EXISTING WOOD STAIRS

F.F.=5002.9

F.F.=5002.4

F.F.=5003.4

325 SHERWOOD STREET

F.F.=5003.4

EXISTING 0.5' WIDE

CONCRETE WALL

-EXISTING SIDEWALK-

2 STORY

RESIDENTIAL NO BASEMENT

2 STORY RESIDENTIAL FRAME & BRICK

WITH BASEMENT

317 SOUTH SHERWOOD STREET PARCEL 2 9,500 SQ.FT.

0.218 ACRES

	ŀ	HISTORIC E	BASIN FLO	DWS		
BASIN DI DESIGN POINT	ESIGNATION BASIN NUMBER	AREA (AC)	2 YEAR "C"	100 YEAR "C"	Q ₂ (CFS)	Q ₁₀₀ (CFS)
E1	E1	0.074	0.51	0.63	0.11	0.47
E2	E2	0.362	0.58	0.72	0.45	2.19
ALLEY	ALLEY	0.094	0.37	0.46	0.08	0.38
	Р	ROPOSED	BASIN FL	.OWS		
BASIN DI	ESIGNATION	AREA	2 YEAR	100 YEAR	\mathbf{Q}_2	Q ₁₀₀
DESIGN POINT	BASIN NUMBER	(AC)	"C"	"C"	(CFS)	(CFS)
D1	B1	0.074	0.54	0.68	0.11	0.50
D2	B2	0.362	0.58	0.72	0.45	2.19
ALLEY	ALLEY	0.094	0.91	1.00	0.24	0.94

SYMBOL LEGEND

EXISTING	
	RIGHT-OF-WAY
	PROPERTY BOUNDARY
777777 — — 5977777	EDGE OF ASPHALT
— G — G —	GAS LINE
————— (UP)	
	UNDER GROUND TELEPHONE
(OHP)	
ss	
x	<u> </u>
	EASEMENT
	CENTER LINE
	CONCRETE SIDEWALK
6019	MINOR CONTOUR
6020	MAJOR CONTOUR
S	SANITARY SEWER MANHOLE
×	FIRE HYDRANT
₩V	WATER VALVE
PROPOSEDwswsws	WATER SERVICE LINE WATER LINE
FS	FIRE LINE
	STORM SEWER PIPE
ss	SANITARY LINE
R/W —	RIGHT-OF-WAY
——— E ———	UNDERGROUND ELECTRIC LIN
<u> </u>	FLOW LINE
	EMERGENCY ACCESS BOUND
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	CONCRETE SIDEWALK
	CONCRETE/ASPHALT DRIVE
	DEMOLISH EXISTING STRUCTURE
6019	MINOR CONTOUR
6020	MAJOR CONTOUR
• 10.00	SPOT ELEVATION
2.05%	DIRECTION OF FLOW WITH SLOPE AMOUNT
	STORM SEWER
	MANHOLE
M	WATER METER/ CURB STOP SANITARY SEWER

CITY OF FORT COLLINS, COLORAD UTILITY PLAN APPROVAL	0
UTILITI PLAN APPROVAL	
PPROVED:	
CITY ENGINEER	DATE
CHECKED BY:	DATE
	22
CHECKED BY:	DATE
CHECKED BY:	
PARKS AND RECREATION	DATE
CHECKED BY:	
TRAFFIC ENGINEER	DATE
CHECKED BY:	
ENVIRONMENTAL PLANNER	DATE

SANITARY SEWER

MANHOLE



								SINOISING
								S
FAITH FAMILY HOSPITALITY		317-321 SHERWOOD STREET	FORT COLLINS CO 80521				DRAINAGE AND EROSION CONTROL PLAN	
F	-0	R	F	RE'	VI	ΕV	V	

ONLY

NOT FOR CONSTRUCTION

PROJECT NO.: 7040-007

C4.0

SHEET 6 OF 9

CHECKED BY:

DESIGNED BY:

SCALE:

EXISTING DRAIN CHASE =

EXISTING ELECTRIC BOXES -

321 SOUTH SHERWOOD STREET PARCEL 1 9,500 SQ.FT. 0.218 ACRES

L.I.D. LEGEND

PERMEABLE PAVERS

DRY WELL

-EXISTING SIDEWALK-

L F.F.=5003.4

EXISTING ELECTRIC BOXES

► EXISTING CONCRETE STAIRS

➤ EXISTING WOOD SHED

EXISTING CONCRETE PAN

F.F.=5003.3

512 WEST MAGNOLIA STREET

EXISTING WOOD DECK EXISTING SANITARY CLEANOUT

EXISTING WOOD PORCH -EXISTING ACCESS-EXISTING 10" DIAMETER COLUMN (TYP) FOR BURIED UTILITY INFORMATION THREE (3) BUSINESS DAYS **BEFORE YOU DIG CALL 811**

(OR 1-800-922-1987) UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) WWW.UNCC.ORG

SCALE: 1" = 10'

EXISTING ACCESS-

STING 2/4" CORDER - WSF _ EXISTING VERTICAL CURB

& GUTTER (TYP)



March 28, 2017

Modification Request Narrative

Faith Family Hospitality 300 E. Oak St. Fort Collins, CO 80524

Modification Request for Floor Area Ratio – Section 4.8(D)(2)(3)

The current prescribed allowable floor area ratio permitted for this use is exceeded by the existing structure at 317 and 321 S. Sherwood Street, Fort Collins, Colorado 80521. The allowable floor area permitted is 7,600 sf on a 19,000 sf lot. The current structure is 8,974 sf. This is due to zoning regulations having changed around the established site/building over history.

The building with its current footprint has been established for over twenty years. Up until five years ago, the property was used as a domestic violence safehouse. The proposed renovation for this building does not increase the existing building footprint, only remodels existing interior areas and will pave the back alley and parking area.

Because of the existing conditions and established structures adjacent to the site, it would not be feasible to acquire adjacent property to satisfy contemporary floor area ratio requirements.

This project aligns with the City of Fort Collins Affordable Housing Strategic Plan, Policy AHP 4.3, Increase Housing and Associated Supportive Services for People with Special Needs. Which states that the City will "continue to encourage the development of projects that meet the housing and associated supportive services needs of populations within the identified special needs categories. These categories include housing for people experiencing homelessness.

Housing will be offered at an affordable cost so residents have more resources for the rest of their needs and have a better chance of greater personal wellbeing. Supportive services will be provided and can be necessary for some households to achieve housing success."

Faith Family Hospitality plans to use the existing property to provide short term transitional housing for up to seven vulnerable families as they overcome homelessness and become self-sufficient. Faith Family Hospitality has five years of experience using a national evidence based model of delivery. This model provides the following programs: emergency shelter in area faith community buildings with the support of volunteers, respite at a day center located at the Fort Collins Mennonite Fellowship and wraparound case management by professional staff. With the development of the property on Sherwood Street, Faith Family Hospitality will provide longer term shelter (up to six months) and continued case management to allow families requiring additional time to stabilize their foundation and secure permanent housing.



March 31, 2017

Modification Request Narrative

Faith Family Hospitality 300 E. Oak St. Fort Collins, CO 80524

Modification Request regarding Minimum Side Yard and Maximum Wall Height – Section 4.8 (E)(4)

The property at 317-321 S. Sherwood is out of compliance with Section 4.8 (E)(4). It was altered in 1993 to its current state, which is prior to current standards. It is out of compliance with current code by a slight amount therefore it is nominal and inconsequential. It will not be modified or altered to deviate any further from the standards.

This project aligns with the City of Fort Collins Affordable Housing Strategic Plan, Policy AHP 4.3, Increase Housing and Associated Supportive Services for People with Special Needs. Which states that the City will "continue to encourage the development of projects that meet the housing and associated supportive services needs of populations within the identified special needs categories. These categories include housing for people experiencing homelessness.

Housing will be offered at an affordable cost so residents have more resources for the rest of their needs and have a better chance of greater personal wellbeing. Supportive services will be provided and can be necessary for some households to achieve housing success."



March 28, 2017

Modification Request Narrative

Faith Family Hospitality 300 E. Oak St. Fort Collins, CO 80524

Modification Request for maximum residents of a large group care facility & minimum separation distance between group homes — Section 3.8.6(B)

The number of residents (parents and children) Faith Family Hospitality expects to house in the transitional house for homeless families at 317 and 321 S. Sherwood is anticipated to exceed the maximum number of residents of a large group care facility allowed in Section 3.8.6(B). The property has 16 bedrooms and can accommodate a shared, cohousing model of use. Faith Family Hospitality expects to house up to **seven** families at a time. Each family is expected to have an average of three members therefore, the maximum number of residents is expected to be **21** individuals.

The allocated parking area which is adjacent to the alley will be paved and provide six parking spaces. Historically, 50% of families served by Faith Family Hospitality have cars. Therefore with seven families in residence with four of the seven having a car and one car for a resident manager, six parking spaces will be adequate for their needs. The families without a car rely on public transportation. There is no anticipated parking impact for the neighbors.

This project aligns with the City of Fort Collins Affordable Housing Strategic Plan, Policy AHP 4.3, Increase Housing and Associated Supportive Services for People with Special Needs. Which states that the City will "continue to encourage the development of projects that meet the housing and associated supportive services needs of populations within the identified special needs categories. These categories include housing for people experiencing homelessness.

Housing will be offered at an affordable cost so residents have more resources for the rest of their needs and have a better chance of greater personal wellbeing. Supportive services will be provided and can be necessary for some households to achieve housing success."

The proposed group home will stabilize vulnerable homeless families through extensive case management, resource development and support services to provide them with the tools to obtain permanent housing and self-sufficiency. This project both increases housing and provided supportive services to a population with special needs and furthers the City's affordable housing plan.

The proposed group home will exceed the minimum separation distance between group home. There is currently another group home called Choice House is located at 214 S. Whitcomb Street. It is nonprofit residential treatment facility with eight beds for people with a primary diagnosis of mental illness. Choice House works with adults with a mental illness disability while Faith Family Hospitality works with families who experiencing homelessness. These are two very different populations and do not duplicate any services. The location of Choice House is .22 miles (approximately 390 yards) away from 317-321 S. Sherwood Street.

The City Plan identifies housing as a key issue and speaks to funding, supporting, and developing affordable housing and serving the housing needs of many diverse groups and changing demographics.

In the Community and Neighborhood Livability section, Policy LIV 7.5 – Address Special Needs Housing:

Plan for and meet the housing needs of special populations within the community. Disperse residential care facilities, shelters, group homes, and senior housing throughout the Growth Management Area.

This proposal is for a group home to provide six months of transitional housing for homeless families. There are no other group homes of this kind in the Growth Management Area.

The overall impact of this project on the surrounding neighbors is expected to be negligible. The property will be well maintained and managed with ample support staff available. A playground and play area in the backyard will allow children living on the property access to a safe play space.

ORDINANCE NO. 059, 2017 OF THE COUNCIL OF THE CITY OF FORT COLLINS MAKING VARIOUS AMENDMENTS TO THE CITY OF FORT COLLINS LAND USE CODE

WHEREAS, on December 2, 1997, by its adoption of Ordinance No. 190, 1997, the City Council enacted the Fort Collins Land Use Code (the "Land Use Code"); and

WHEREAS, at the time of the adoption of the Land Use Code, it was the understanding of staff and the City Council that the Land Use Code would most likely be subject to future amendments, not only for the purpose of clarification and correction of errors, but also for the purpose of ensuring that the Land Use Code remains a dynamic document capable of responding to issues identified by staff, other land use professionals and citizens of the City; and

WHEREAS, City staff and the Planning and Zoning Board have reviewed the Land Use Code and identified and explored various issues related to the Land Use Code and have made recommendations to the Council regarding such issues; and

WHEREAS, the City Council has determined that the recommended Land Use Code amendments are in the best interests of the City and its citizens.

NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF FORT COLLINS as follows:

Section 1. That the City Council hereby makes and adopts the determinations and findings contained in the recitals set forth above.

Section 2. That Section 1.5.3 of the Land Use Code is hereby amended to read as follows:

1.5.3 - Abandonment of Use

If active operations are not carried on in a nonconforming use during a period of twenty-four (24) consecutive months, the building, other structure or tract of land where such nonconforming use previously existed shall thereafter be occupied and used only for a conforming use. Intent to resume active operations shall not affect the foregoing. A nonconforming home occupation business activity shall be considered to be abandoned if the occupants of the dwelling who were conducting such nonconforming home occupation business discontinue either their occupancy of the dwelling or the nonconforming home occupation.

Section 3. That Section 1.6.7 of the Land Use Code is hereby amended to read as follows:

1.6.7 - Abandonment of Use

If active operations are not carried on in an existing limited permitted use during a period of twenty-four (24) consecutive months, the building, other structure or tract of land where such existing limited permitted use previously existed shall thereafter be occupied and used only for a permitted use. Intent to resume active operations shall not affect the foregoing.

Section 4. That Section 2.2.10(A) of the Land Use Code is hereby amended to read as follows:

2.2.10 - Step 10: Amendments and Changes of Use

- (A) Minor Amendments and Changes of Use. (1) Minor amendments to any approved development plan, including any Overall Development Plan or Project Development Plan, any site specific development plan, or the existing condition of a platted property; and (2) Changes of use, either of which meet the applicable criteria of below subsections 2.2.10(A)(1) or 2.2.10(A)(2), may be approved, approved with conditions, or denied administratively by the Director and may be authorized without additional public hearings. Such minor amendments and changes of use may be authorized by the Director as long as the development plan, as so amended, continues to comply with the standards of this Code to the extent reasonably feasible. Minor amendments and changes of use shall only consist of any or all of the following:
 - (1) Any change to any approved development plan or any site specific development plan which was originally subject only to administrative review and was approved by the Director, or any change of use of any property that was developed pursuant to a basic development review or a use-by-right review under prior law; provided that such change would not have disqualified the original plan from administrative review had it been requested at that time; and provided that the change or change of use complies with all of the following criteria applicable to the particular request for change or change of use:
 - (g) In the case of a change of the change of use results in the site being brought into compliance, to the extent reasonably feasible as such extent may be modified pursuant to below subsection 2.2.10(A)(3), with the applicable general development standards contained in Article 3 and the applicable district standards contained in Article 4 of this Code.
 - (3) Waiver of Development Standards for Changes of Use.
 - (a) Applicability. The procedure and standards contained in this Section shall apply only to changes of use reviewed pursuant to Section 2.2.10(A) of this Code.

- (b) **Purpose.** In order for a change of use to be granted pursuant to Section 2.2.10(A), the change of use must result in the site being brought into compliance with all applicable general development and zone district standards to the extent reasonably feasible. The purpose of this Section is to allow certain changes of use that do not comply with all general development standards to the extent reasonably feasible to be granted pursuant to Section 2.2.10(A) in order to:
 - 1. Foster the economic feasibility for the use, maintenance and improvement of certain legally constructed buildings and sites which do not comply with certain Land Use Code General Development Standards provided that:
 - a. Existing blight conditions have been ameliorated; and
 - b. Public and private improvements are made that address essential health and life safety issues that are present onsite.
 - 2. Encourage the eventual upgrading of nonconforming buildings, uses and sites.
- (c) Review by Director. As part of the review conducted pursuant to Section 2.2.10(A) for a proposed change of use, the Director may waive, or waive with conditions, any of the development standards set forth in subsection (d) below. In order for the Director to waive, or waive with conditions, any such development standard, the Director must find that such waiver or waiver with conditions would not be detrimental to the public good and that each of the following is satisfied:
 - 1. The site for which the waiver or waiver with conditions is granted satisfies the policies of the applicable Council adopted subarea, corridor or neighborhood plan within which the site is located;
 - 2. The proposed use will function without significant adverse impact upon adjacent properties and the district within which it is located in consideration of the waiver or waiver with conditions;
 - 3. Existing blight conditions on the site are addressed through site clean-up, maintenance, screening, landscaping or some combination thereof; and
 - 4. The site design addresses essential health and public safety concerns found on the site.

- (d) Eligible Development Standards. The Director may grant a waiver or waiver with conditions for the following general development standards:
 - 1. Sections 3.2.1(4), (5) and (6) related to Parking Lot Perimeter and Interior Landscaping, and connecting walkways.
 - 2. Section 3.2.2 (M) Landscaping Coverage.
 - 3. Section 3.2.4 Site Lighting, except compliance with minimum footcandle levels described in 3.2.4(C).
 - 4. Section 3.2.5 Trash and Recycling Enclosure design.
 - 5. Section 3.3.5 Engineering Design standards related to water quality standard, including Low Impact Development.
- (4) Referral. In either subsection (1) or (2) above, the Director may refer the amendment or change of use to the Administrative Hearing Officer or Planning and Zoning Board. The referral of minor amendments to development plans or changes of use allowed or approved under the laws of the City for the development of land prior to the adoption of this Code shall be processed as required for the land use or uses proposed for the amendment or change of use as set forth in Article 4 (i.e., Type 1 review or Type 2 review) for the zone district in which the land is located. The referral of minor amendments or changes of use to project development plans or final plans approved under this Code shall be reviewed and processed in the same manner as required for the original development plan for which the amendment or change of use is sought, and, if so referred, the decision of the Hearing Officer or Planning and Zoning Board shall constitute a final decision, subject only to appeal as provided for development plans under Division 2.3, 2.4 or 2.5, as applicable, for the minor amendment or change of use.
- (5) Appeals. Appeals of the decision of the Director regarding the approval, approval with conditions or denial of, a change of use, or a minor amendment of any approved development plan, site specific development plan, or the existing condition of a platted property, shall be to the Planning and Zoning Board. Any such appeal shall be taken by filing a notice of appeal of the final decision with the Director within fourteen (14) days after the action that is the subject of the appeal. The decision of the Planning and Zoning Board on such appeals shall constitute a final decision appealable pursuant to Section 2.2.12 (Step 12).
- Section 5. That Section 2.1.2 (D) and (E) of the Land Use Code are hereby amended to read as follows:
 - (D) Who reviews the development application? Once an applicant has determined the type of development application to be submitted, he or she must determine the

appropriate level of development review required for the development application. To make this determination, the applicant must refer to the provisions of the applicable zone district in Article 4 and the provisions pertaining to the appropriate development application. These provisions will determine whether the permitted uses and the development application are subject to basic development review, administrative review ("Type 1 review") or Planning and Zoning Board review ("Type 2 review"). Identification of the required level of development review will, in turn, determine which decision maker, the Director in the case of administrative review ("Type 1 review"), or the Planning and Zoning Board in the case of Planning and Zoning Board review ("Type 2 review"), will review and make the final decision on the development application. When a development application contains both Type 1 and Type 2 uses, it will be processed as a Type 2 review.

(E) How will the development application be processed? The review of overall development plans, project development plans and final plans will each generally follow the same procedural "steps" regardless of the level of review (administrative review or Planning and Zoning Board review). The common development review procedures contained in Division 2.2 establish a twelve-step process equally applicable to all overall development plans, project development plans and final plans.

The twelve (12) steps of the common development review procedures are the same for each type of development application, whether subject to basic development review, administrative review or Planning and Zoning Board review, unless an exception to the common development review procedures is expressly called for in the particular development application requirements of this Land Use Code. In other words, each overall development plan, each project development plan and each final plan will be subject to the twelve-step common procedure. The twelve (12) steps include: (1) conceptual review; (2) neighborhood meeting; (3) development application submittal; (4) determination of sufficiency; (5) staff report; (6) notice; (7) public hearing; (8) standards; (9) conditions of approval; (10) amendments; (11) lapse; and (12) appeals.

However, Step 1, conceptual review, applies only to the initial development application submittal for a development project (i.e., overall development plan when required, or project development plan when an overall development plan is not required). Subsequent development applications for the same development project are not subject to Step 1, conceptual review.

Moreover, Step 2, neighborhood meeting, applies only to certain development applications subject to Planning and Zoning Board review. Step 2, neighborhood meeting, does not apply to development applications subject to basic development review or administrative review. Step 3, application submittal requirements, applies to all development applications. Applicants shall submit items and documents in accordance with a master list of submittal requirements as

established by the City Manager. Overall development plans must comply with only certain identified items on the master list, while project development plans must include different items from the master list and final plans must include different items as well. This master list is intended to assure consistency among submittals by using a "building block" approach, with each successive development application building upon the previous one for that project. City staff is available to discuss the common procedures with the applicant.

Section 6. That Section 3.2.2(C)(6) and (7) of the Land Use Code is hereby amended to read as follows:

- (6) Direct On-Site Access to Pedestrian and Bicycle Destinations. The on-site pedestrian and bicycle circulation system must be designed to provide, or allow for, direct connections to major pedestrian and bicycle destinations including, but not limited to, trails, parks, schools, Neighborhood Centers, Neighborhood Commercial Districts and transit stops that are located either within the development or adjacent to the development as required, to the maximum extent feasible. The on-site pedestrian and bicycle circulation system must also provide, or allow for, on-site connections to existing or planned off-site pedestrian and bicycle facilities at points necessary to provide direct and convenient pedestrian and bicycle travel from the development to major pedestrian destinations located within the neighborhood. In order to provide direct pedestrian connections to these destinations, additional sidewalks or walkways not associated with a street, or the extension of street sidewalks, such as from the end of a culde-sac, or other walkways within the development, to another street or walkway, may be required as necessary to provide for safety, efficiency and convenience for bicycles and pedestrians both within the development and to and from surrounding areas.
- (7) Off-Site Access to Pedestrian and Bicycle Destinations. Off-site pedestrian or bicycle facility improvements may be required in order to comply with the requirements of Section 3.2.2(E)(1) (Parking Lot Layout), Section 3.6.4 (Transportation Level of Service Requirements), or as necessary to provide for safety, efficiency and convenience for bicycles and pedestrians both within the development and to and from surrounding areas.
- Section 7. That the table contained in Section 3.2.2(K)(1)(a)1.a is hereby amended to read as follows:
 - a. Multi-family dwellings and mixed-use dwellings within the Transit-Oriented Development (TOD) Overlay Zone may reduce the required minimum number of parking spaces by providing demand mitigation elements as shown in the following table:

Demand Mitigation Strategy**	Parking Requirement Reduction***
Participation in the City's Bike Share Program	Based on Approved Alternative Compliance

Section 8. That Section 3.4.8(C) of the Land Use Code is hereby amended to read as follows:

3.4.8 Parks and Trails

(C) General Standard. All development plans shall provide for, accommodate or otherwise connect to, either on-site or off-site, the parks and trails identified in the Parks and Recreation Policy Plan Master Plan that are associated with the development plan.

Section 9. That Section 3.5.2(G)(1)(a) of the Land Use Code is hereby amended to read as follows:

- (G) Rear Walls of Multi-Family Garages. To add visual interest and avoid the effect of a long blank wall with no relation to human size, accessibility needs or internal divisions within the building, the following standards for minimum wall articulation shall apply:
 - (1) Perimeter Garages.
 - (a) Length. Any garage located with its rear wall along the perimeter of a development and within sixty-five (65) feet of a public right-of-way or the property line of the development site shall not exceed sixty (60) feet in length. A minimum of seven (7) feet of landscaping must be provided between any two (2) such perimeter garages.

Section 10. That Section 3.8.1 of the Land Use Code is hereby amended to read as follows:

3.8.1 - Accessory Buildings, Structures and Uses

Accessory buildings, structures and uses (when the facts, circumstances and context of such uses reasonably so indicate) may include but are not limited to the following:

- (14) garage sales, wherein property which was not originally purchased for the purpose of resale is sold, provided that such sales are limited to no more than five (5) weekend periods (as defined in Section 15-316 of the City Code) in one (1) calendar year;
- (15) hoop houses;
- (16) community based shelter services.

Section 11. That Section 3.8.25(A) of the Land Use Code is hereby amended to read as follows:

3.8.25 - Permitted Uses: Abandonment Period/Reconstruction of Permitted Uses

(A) If, after June 25, 1999 (the effective date of the ordinance adopting this Section), active operations are not carried on in a permitted use during a period of twenty-four (24) consecutive months, or with respect to seasonal overflow shelters sixty (60) consecutive months, the building, other structure or tract of land where such permitted use previously existed shall thereafter be re-occupied and used only after the building or other structure, as well as the tract of land upon which such building or other structure is located, have, to the extent reasonably feasible, been brought into compliance with the applicable general development standards contained in Article 3 and the applicable district standards contained Article 4 of this Code as determined by the Director. This requirement shall not apply to any permitted use conducted in a building that was less than ten (10) years old at the time that active operations ceased. Intent to resume active operations shall not affect the foregoing.

Section 12. That Section 3.8.30 of the Land Use Code is hereby amended to read as follows:

3.8.30 - Multi-Family Dwelling Development Standards

(A) **Purpose/Applicability**. The following standards apply to all multi-family development projects that contain at least four (4) dwelling units. These standards are intended to promote variety in building form and product, visual interest, access to parks, pedestrian-oriented streets and compatibility with surrounding neighborhoods.

- (C) Access to a Park, Central Feature or Gathering Place. At least ninety (90) percent of the dwellings in all development projects containing two (2) or more acres shall be located within one thousand three hundred twenty (1,320) feet (one-quarter [1/4] mile) of either a neighborhood park, a privately owned park or a central feature or gathering place that is located either within the project or within adjacent development, which distance shall be measured along street frontage without crossing an arterial street. Such parks, central features or gathering places shall contain one (1) or more of the following uses:
 - (1) Public parks, recreation areas or other open lands.
 - (2) Privately owned parks, meeting the following criteria:
 - (a) For projects between two (2) and five (5) acres, the development is required to provide sufficient outdoor gathering areas or site amenities, either public or private, to sustain the activities associated with multi-family residential development, to adequately serve the occupants of the development as set forth below. Such outdoor gathering areas may include, without limitation, small parks, playgrounds, pools, sports courts, picnic facilities, passive open space, recreational areas, plazas, courtyards, or naturalistic features.

For projects greater than five (5) acres and less than ten (10) acres, the private park must be a minimum of five thousand (5,000) square feet.

For projects greater than ten (10) acres, the private park must be a minimum of ten thousand (10,000) square feet.

(E) Buildings.

. . .

- (3) Minimum setback from the right-of-way along an arterial street shall be fifteen (15) feet and along a nonarterial street shall be nine (9) feet.
 - (a) Exceptions to the setback standards are permitted if one (1) of the following is met:
 - 5. A project is within an area in the Downtown that is designated in the Downtown Plan as allowing "main' street storefront" buildings with zero or minimal setback.

Section 13. That Section 4.5(B)(2)(a) of the Land Use Code is hereby amended to read as follows:

(2) The following uses are permitted in the L-M-N District, subject to administrative review:

(a) Residential Uses:

- 1. Single-family detached dwellings.
- 2. Two-family dwellings.
- 3. Single-family attached dwellings.
- 4. Two-family attached dwellings.
- 5. Any residential use consisting in whole or in part of multi-family dwellings (limited to eight [8] or less dwelling units per building) that contain fifty (50) dwelling units or less, and seventy-five (75) bedrooms or less.
- 6. Group homes for up to eight (8) developmentally disabled or elderly persons.
- 7. Mixed-use dwellings.
- 8. Extra occupancy rental houses with four (4) or more tenants.

Section 14. That Section 4.5(D)(1)(b) of the Land Use Code is hereby amended to read as follows:

(D) Land Use Standards.

- (1) Density.
 - (b) The maximum density of any development plan taken as a whole shall be nine (9) dwelling units per gross acre of residential land, except that affordable housing projects (whether approved pursuant to overall development plans or project development plans) containing ten (10) acres or less may attain a maximum density, taken as a whole, of twelve (12) dwelling units per gross acre of residential land.

Additionally, affordable housing projects containing more than ten (10) acres but no more than twenty (20) acres may attain a maximum density, taken as a whole, of twelve (12) dwelling units per gross acre of residential land so long as the term of lease or sale of all of the dwelling units associated with the acreage exceeding ten (10) acres, but no more than twenty (20) acres, are available on terms that would be affordable to households earning sixty (60) percent or less, on average, of the area median income for the applicable household size in the Fort Collins-Loveland metropolitan statistical area, as published by the Department of Housing and Urban Development. The dwelling units associated with the acreage exceeding ten (10) acres, but no more than twenty (20) acres, shall not be counted as contributing to the required percentage of affordable housing units necessary to qualify as an affordable housing project. The number of dwelling units that must be available to those earning sixty (60) percent or less, on average, of the area median income shall be calculated as follows:

Number of Dwelling Units That Must Be Made Available to Households Earning Sixty (60) Percent Or Less of the Area Median Income, Rounded to the Nearest Whole Number = (Number of Total Dwelling Units Constructed ÷ Number of Total Gross Acres of Residential Land) X Number of Acres Over Ten (10) Acres, Up To A Limit of Twenty (20) Acres

Section 15. That Section 4.5(D)(2)(c) of the Land Use Code is hereby amended to read as follows:

(c) The following list of housing types shall be used to satisfy this requirement:

6. Two-family attached dwellings, the placement of which shall be limited to no more than two (2) dwellings per two (2) consecutive individual lots.

- 7. Mixed-use dwelling units.
- 8. Multi-family dwellings containing more than three (3) to four (4) units per building;
- 9. Multi-family dwellings containing five (5) to seven (7) units per building.

- 10. Multi-family dwellings containing more than seven (7) units per building (limited to twelve [12] dwelling units per building).
- 11. Mobile home parks.

Section 16. That Section 4.6(B)(2)(a) of the Land Use Code is hereby amended to read as follows:

- (2) The following uses are permitted in the M-M-N District, subject to administrative review:
 - (a) Residential Uses:
 - 4. Two-family attached dwellings.
 - 5. Any residential use consisting in whole or in part of multi-family dwellings that contain fifty (50) dwelling units or less, and seventy-five (75) bedrooms or less.
 - 6. Mixed-use dwellings.
 - 7. Group homes for up to eight (8) developmentally disabled or elderly persons.
 - 8. Extra occupancy rental houses with more than five (5) tenants.

Section 17. That Section 4.10(D)(2) of the Land Use Code is hereby amended to read as follows:

- (2) Dimensional Standards.
 - (a) Maximum building height shall be five (5) stories.
 - (b) For all setback standards, building walls over thirty-five (35) feet in height shall be set back an additional one (1) foot beyond the minimum required, for each two (2) feet or fraction thereof of wall or building that exceeds thirty-five (35) feet in height. Terracing or stepping back the mass of large buildings is encouraged.
 - (c) Building setbacks shall be fifteen (15) feet from arterial streets and nine (9) feet from non-arterial streets, five (5) feet from the side property line and eight (8) feet from the rear property line.

Section 18. That Section 4.16(D)(5)(e) of the Land Use Code is hereby amended to read as follows:

(5) Building Character and Facades.

(e) Canyon Avenue and Civic Center: Exterior facade materials. All street-facing facades shall be constructed of high quality exterior materials for the full height of the building. Such materials, with the exception of glazing, shall include stone, brick, clay units, terra cotta, architectural pre-cast concrete, cast stone, prefabricated brick panels, architectural metals, architectural fiber cement siding or any combination thereof. Except for windows, material modules shall not exceed either five (5) feet horizontally or three (3) feet vertically without the clear expression of a joint. For the purposes of this provision, architectural metals shall mean metal panel systems that are either coated or anodized; metal sheets with expressed seams; metal framing systems; or cut, stamped or cast ornamental metal panels. Architectural metals shall not include ribbed or corrugated metal panel systems.

Section 19. That the table contained in Section 4.24(B)(2) of the Land Use Code is hereby amended to read as follows:

Land Use	Riverside Area	All Other Areas
• • •		
,	D. INDUSTRIAL	
Light industrial uses*	Type 1	Type 2
Research laboratories*	Type 1	Type 1

Section 20. That the definition of "Change of use" contained in Section 5.1.2 of the Land Use Code is hereby amended to read as follows:

Change of use shall mean the act of changing the occupancy of a building or land to a different use that is specifically listed as a "Permitted Use" in Article 4. A change of use occurs whenever:

- (1) the occupancy of a single-tenant building or of a parcel of land changes from the most recent previously existing use to a different use;
- (2) the occupancy of a tenant space in a multi-tenant building changes to a use that is not currently existing in another tenant space of the building or that did not previously exist in any tenant space of the building within the last twenty-four (24) months; or
- the most recent previously existing use of a building or land has been abandoned, by cessation of active and continuous operations during a period of twenty-four (24) consecutive months, and either the same type of use is proposed to be reestablished or a different use that did not exist on the property is proposed to be established.

Section 21. That Section 5.1.2 of the Land Use Code is hereby amended by the addition of a new definition "Community based shelter services" which reads in its entirety as follows:

Community based shelter services shall mean an accessory use to a facility owned and operated by a place of worship, public benefit corporation as defined by the Colorado Revised Statutes, or a tax exempt corporation as defined by Section 503 of the U.S. Internal Revenue Code, that provides overnight accommodations on a temporary basis for a maximum of 15 persons.

Section 22. That Section 5.1.2 of the Land Use Code is hereby amended by the addition of a new definition "Dwelling, two-family attached" which reads in its entirety as follows:

Dwelling, two-family attached shall mean a two-family dwelling attached to one other two-family dwelling with each such two-family dwelling located on its own separate lot.

Section 23. That the definition of "Group home" contained in Section 5.1.2 of the Land Use Code is hereby amended to read as follows:

Group home shall mean either of the following:

(1) Residential group home shall mean a residence operated as a single dwelling, licensed by or operated by a governmental agency, or by an organization that is as equally qualified as a government agency and having a demonstrated capacity for oversight as determined by the Director, for the purpose of providing special care or rehabilitation due to homelessness, physical condition or illness, mental condition or illness.

elderly age or social, behavioral or disciplinary problems, provided that authorized supervisory personnel are present on the premises.

(2) Large group care facility shall mean a residential facility that is planned, organized, operated and maintained to offer facilities and services to a specified population and is licensed by or operated by a governmental agency, or by an organization that is as equally qualified as a government agency and having a demonstrated capacity for oversight as determined by the Director, for the purpose of providing special care or rehabilitation due to homelessness, physical condition or illness, mental condition or illness, elderly age or social, behavioral or disciplinary problems, provided that authorized supervisory personnel are present on the premises.

Section 24. That the definition of "Homeless shelters" contained in Section 5.1.2 of the Land Use Code is hereby amended to read as follows:

Homeless shelters shall mean a fully enclosed building other than a hotel, motel, or lodging establishment that is suitable for habitation and that provides residency only for homeless persons at no charge at any time during the year. Community based shelter services are exempt from this definition.

Section 25. That the definition of "Seasonal overflow shelters" contained in Section 5.1.2 of the Land Use Code is hereby amended to read as follows:

Seasonal overflow shelters shall mean a homeless shelter that allows homeless persons to stay on its premises overnight from the beginning of November through the end of April, unless, because of inclement weather, specific and limited exceptions to such seasonal limitations are granted by the Director. Community based shelter services are exempt from this definition.

Mayor

Introduced, considered favorably on first reading, and ordered published this 18th day of April, A.D. 2017, and to be presented for final passage on the 2nd day of May, A.D. 2017.

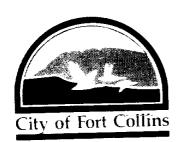
ATTEST:

City Clerk

Passed and adopted on final reading on this 2nd day of May, A.D. 2017.

ATTEST: COLORADO SEAL COLORADO City Clerk

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Community Planning and Environmental Services Building Permits and Inspection Division

May 12, 1993

Ginny Riley Executive Director Crossroads Safehouse P.O. Box 993 Fort Collins, CO 80522

Dear Ginny:

The Crossroads Safehouse at 317-321 S. Sherwood Street in Fort Collins is located in the NCM (Neighborhood Conservation Medium Density) zoning district. The use of the property is classified as a group home, which is a permitted use in the NCM zone.

As a permitted use, an addition to the existing facility may be constructed similar in nature to the one which we discussed and reviewed a few weeks ago. Specifically, any addition would be permitted as long as the following requirements are met:

- 1. The maximum floor area of the building, existing and proposed, may not exceed 9,500 square feet. (The existing floor area is approximately 4,883 sq. ft., meaning an addition can not exceed 4,617 sq. ft.).
- The minimum distance required from the rear lot line to the building is 5 feet.
- 3. The minimum distance required from an interior side lot line to the building is 8 feet, based on a maximum building height of 24 feet.
- 6 parking spaces are required.
- 5. Maximum number of residents, excluding supervisors, is 20.

Please feel free to contact me if you need additional information regarding this matter.

Cordially,

Peter Barnes
Zoning Administrator

NEIGHBORHOOD LISTENING SESSION

Project: City Owned Properties at 317 & 321 South Sherwood Street

Date: November 17, 2014

City Staff: Ken Mannon (Operation Services)

Helen Matson (Operation Services)
Ryan Mounce (Planning Services)
Beth Sowder (Social Sustainability)
Sue Beck-Ferkiss (Social Sustainability)
Delynn Coldiron (Neighborhood Services)
Sarah Burnett (Neighborhood Services)
Jeff Mihelich (City Manager's Office)

Presentation Summary

Property Background

- O The properties at 317 and 321 South Sherwood Street were originally single family homes and were purchased by the City in the 1980's.
- O The two buildings are on two separate parcels and are connected by an addition.
- O The properties were previously used by Crossroads Safe House, but have now been vacant for about four years.
- O Due to multiple factors, the buildings are not suitable for City use, and they are not optimal for service provider use.
- O The City had used federal Community Development Block Grant funds for this property, which placed certain restrictions on the use of the buildings. These restrictions expired in September 2014, which opens up options for the properties.

Zoning Information

The zoning is Neighborhood Conservation Medium Density (N-C-M) Neighborhood. Permitted uses in the zone district include:

- O Single family home, child care, respite center, church, domestic violence shelter. These uses would require a Basic Development Review (staff review with no public hearing).
- Carriage house, duplex/multifamily (with no structural additions or exterior alterations), group home. These uses would require a Type 1 Review (public hearing before a single hearing officer).

- O Duplex/multifamily (with structural additions or exterior alterations), bed & breakfast with maximum of 6 beds, schools. These uses would require a Type 2 Review (public hearing before the Planning and Zoning Board).
- O Other uses would require a rezoning or an Addition of Permitted Use process.

Relevant Development Standards

If the properties are sold or leased, they would be required to meet current requirements of the Land Use Code. Examples include:

- Floor Area Ratio limits on building size for any new additions
- O 2-story height limit
- Setback requirements
- Design criteria for larger buildings (provide articulation, preserve solar access
- O Other general development standards (parking, landscaping, stormwater, etc.)

Potential Options

- Option 1 Lease to service provider for transitional housing facility or other identified community need to be operated by a service provider
- Option 2 Sell 317 South Sherwood; retain 321 South Sherwood for lease to a service provider
- o Option 3 Sell both properties
- o Others that may be suggested

Considerations – Challenges and Opportunities

- o If site could be used by a service provider, it could help address identified community needs.
- Site improvements would be needed and may be expensive (drainage, parking, and others to be identified).
- Maintaining the properties, whether vacant or occupied (by the City and/or service provider) may be expensive.
- Selling one or more of the properties will result in the loss of a potential location for a City or service provider use.
- Tonight, we'd like to obtain neighborhood feedback regarding the options for the future of the buildings.

Questions, Comments & Responses

Question: How many could be housed if it was a transitional living facility? Would the back building addition at 321 S. Sherwood remain?

Response: The City could keep one building and lease it for use by a social service provider or we could keep both buildings. We have not made a determination, and wanted to get neighborhood feedback to help guide decision-making.

Question: Is there a maximum number of residents allowed by the zoning?

Response: For both group homes and domestic violence shelters the land use code limit is up to eight individuals. That's just for those staying at the facility and doesn't necessarily include employees. There are 14 total bedrooms.

Question/Comment: Are you counting the addition?

A social service provider who had toured the property explained that there are eight bedrooms, a play room, and a counseling room. She further explained there are some rooms that could be turned into bedrooms.

Question/comment: The maximum number of occupants must be a change from Crossroads then.

Response: That is correct. Previously Crossroads Safehouse was considered a non-conforming use, so it met City requirements at one point, but since then codes have changed.

Question: Is it eight persons per house or in that total joint structure? **Response:** Planning staff would need evaluate the requirements of the Land Use Code to determine that. At 317 S. Sherwood, which is the smaller of the two, there are six bedrooms, a play room, a bathroom, a laundry room, kitchen, living and dining room.

Question: Are all of those on the first floor or is that a combination? Response (citizen): That's a combination, the bedrooms are upstairs.

Question/comment: So there are six bedrooms, but eight people are allowed? **Response:** Currently, yes under the current regulations.

Staff explained that at 321 S. Sherwood, there are nine bedrooms, three counseling rooms, four offices, four bathrooms, two laundry rooms, a kitchen, two living rooms and a dining room. It is a fairly substantial size building. The house at 317 S. Sherwood is 2800 square feet; 321 S. Sherwood is 6400 square feet. Both include basements.

Comment (citizen): There are two other constraints. (1) It is in a 100-year City floodplain. Therefore, any kinds of building improvements require compliance with floodplain rules. (2) There are buffer zone requirements around group homes, and there is another group home nearby. So, that would need to be examined.

Question/comment: I'm curious about transitional housing. Are there any non-profit groups that have come forward to meet with the City or would it be city provided housing?

Response: The City does not provide direct social services, so is not contemplating using it for a city office or purpose. We could partner with a non-profit to bring in some kind of a housing program, since the house is so well suited for that - especially 321 S. Sherwood, which has so much practical application for that kind of a program. There are

some challenges that would have to be overcome. There have been several inquiries from non-profits that are already known in our community for providing housing.

Question: Can you say anything more about those groups?

Response: Serve 6.8 and Faith Family Hospitality have expressed interest recently. There have been different groups along the way. There were no takers through an earlier Request for Proposal (RFP). We think we would get interest if we did a new RFP.

Question: If the city were to sell off ultimately, could be proceeds be put toward an affordable housing in the community?

Response: It is an option we have considered. If we sold these two properties, we could take that money and build it back into the general fund. We could use it for any myriad of purposes or City Council could decide to earmark it for some other type of social sustainability programs like transitional housing someplace else in the city. There is a second mortgage on these two properties together. Obviously we would have to settle. The maximum we could clear if both of these properties were sold would be somewhere in the half of a million dollar category and that is probably being generous.

Question: The city is not going to use these properties anyways. None of these options suggested the city wants to continue to own them.

Response: If a non-profit was to use it the City would own them. We would still be the landlord and responsible. It would be a lease arrangement.

Question: What are the current costs for keeping it up each year? Part of the reason people haven't accepted it and part of the reason the safe house moved out was it is incredibly expensive with energy. There is not much efficiency.

Response: These numbers were not available at the meeting. Ken Mannon will check on this.

Question/Comment: Because of the flood plain regulations, there are some real restrictions. You have to abide by the City's own regulations, but also the definition of what constitutes a critical facility. How" critical facility" is defined by FEMA and the City may be an issue here as well as the spacing of the group homes.

Response: As a property owner, the City also has to follow City rules and regulations. If the properties are leased for some type of transitional housing, there will be totally different requirements than if they are sold.

Question/Comment: If you split them and sell them, the square footage at 321 S. Sherwood is over the floor area ratio limits (FAR) allowed by current code. A sixteen person family could live there as a private home. Is that the only use?

Response: Staff referred back to the uses described at the beginning of the meeting. If changes were made to the property, it would have to meet the same requirements as any other single family home. Staff further explained that if it is in the 100-year flood plain, basement living space is not allowed. Staff will gather more information from

Floodplain and Stormwater staff. There would be certain requirements if there were substantial remodeling or alterations, including potentially elevating it out of the floodplain or raising the HVAC above the flood level.

In terms of the question regarding 321 S. Sherwood, it likely does exceed the floor area ratio for the zone district, so it is considered a "non-conforming" use already. We wouldn't want to see any increase in inconsistency, so further additions would not be likely possible with current regulations. In terms of whether it is suitable for a family, there considerations under the general occupancy standards with the U+2, so it really could just be related individuals and couldn't be unrelated individuals.

Question: Would it be suitable for an extra occupancy permit?

Response: Extra occupancy rental homes are not a permitted use in the zone district.

Question/Comment: Each lot would be square feet. Under the new zoning, the floor area ratio (FAR) under NCM it's 3,325 square feet. The building on lot 3 is more than almost 2.5 times.

Response: Staff would need to do additional work to verify exact square footage to determine the FAR exactly. The square footage cited earlier included the basement, which is likely to be included in the FAR calculations in this case.

Question: What is the footprint on each of these buildings square footage? **Response:** Staff did not have this information available and will follow up.

Question/Comment: Could this housing be used for homeless people? There is a need. Response: Potentially it could. In the Land Use Code, the definition for a group home does refer to rehabilitation for homeless or homeless use. It could be limited in number. However, there are parking, drainage and alley paving constraints that make it difficult for a service provider to come in even though the buildings could be good for that. There are also the zoning and land use requirements that would need to be met.

Question/Comment (from a service provider): Faith Family Hospitality hopes to provide more shelter for homeless families. Currently we are able to shelter four families at a time through participating churches. They doubled the number of shelters in the city. Now there are eight rooms available. What we are seeing in the 54 families that have been served in an emergency, many from living in their cars. Faith Family Hospitality works with these families on setting goals, obtaining jobs, medical needs and work towards helping them be independent. We hope to double the number of families we serve. We would like to move those who are most successful in the program into a transitional space to open spaces up to new participants. By doing this, we wouldn't be pushing out the family that is close to independence but not yet solidly on the ground. We would continue providing services to that family in the transitional program and be able to pull in another family into the program. That could expand very quickly how many homeless families being served in the city. In Poudre School District, there are

1,000 kids per school year that can be identified as homeless at some time during the year. That doesn't mean 1,000 are homeless all year long, but just by that number one can see that between Catholic Charities and Faith Family Hospitality, only 8 families are being helped.

Question (from staff) Staff asked how many attendees lived in the neighborhood near these two properties. The majority (about eight) raised their hands.

Question (from staff) Staff asked if there was a sense by people if they preferred that the City sell the properties, or use at least one of the properties for transitional housing. **Response:** The city owns it. It is there ready for the public. Why aren't they using it?

Response: I am a neighbor also with an organization called L'arche, which is looking to provide housing for people with disabilities. We are much more in the beginning stages, but this is very interesting to me. Living a block away is also fabulous.

Staff asked if that is a settlement house. Citizen stated they are homes where people live in with and without disabilities and choose to live together.

Question/Comment: What are the historic preservation requirements?

Response: The building must be more than 50 years old and these are. In the 1980's the properties were reviewed and at that time were ineligible for local designation, in part due to the connecting structure. If that was removed and this went through a review process in the future, Historic Preservation would review again.

Question (from staff) Staff stated they are trying to get a little more feedback. The three options were reiterated.

Response: Three preferred Option 1 (attempting to lease both properties to a service provider). No one preferred Option 2 (leasing 321 S. Sherwood; selling 317 S. Sherwood); Option 3 (selling both properties) was also not preferred, but not all indicated a preference.

Question/Comment: There is a fourth option, which is to sell both properties and create a park. There is no green space in that area. It would take Otterbox or Blue Ocean to fund something like that. If you look at how many people are in that area, parking is going to be a horrible problem for transitional housing. I want there to be transitional housing, but I also want them to not be caught in a flood plain.

Question/Comment: We are currently competing for parking with Otterbox.

Question/Comment (citizen): 309 S Sherwood St was given to city to use as a park and they sold it. Why would we have another park on there if the City doesn't want one?

Question/Comment (citizen): That is why I am saying it would have to be privately funded, if you are talking about sustainability. I almost wish it could be torn down and build some good transitional housing to keep the sustainability going further.

Response (City): We can't say for the non-profits out there what they could or couldn't do with it. Instead, we would formulate a request for proposals (RFP) and see what ideas organizations have and how they could fund it and make it work. We may not get any responses or we could start the process and it turns out that it is not feasible. If we sell them now then we don't have that opportunity.

Question/Comment: I am concerned with flood damage of the buildings, especially 317 with six feet of water in it during '97. I am not sure what condition it is in.

Answer: It was used through 2010 or '11. Ken Mannon toured the properties and went into the basements. He didn't see any huge issues that could not be resolved. In order to put people in those buildings any mold or water would have needed to be mitigated before it could be used after the flood. Ken believed that it had gone through an extensive cleaning.

Question/Comment: I like a plan that would let it be used for transitional housing or such. I have a real concern if the city is the landlord. How responsible or considerate they would continue to be to the neighborhood about the parking issues. There is reason because of the situation we are in now with parking that the City has seemed indifferent to. We would want them to be a very responsible landlord, not just to the group that may rent, but conscious of what's around.

Question/Comment (citizen): Helen (from the City's Real Estate Services Area) has been and excellent, very responsive to any issues. There has been a contact when you see things going wrong, and cited an example of a problem trespasser.

Question (staff): Staff asked if the City decided to sell the properties and one of them was service provider, if the City didn't own the property anymore if that would be good or bad.

Response (citizen): You would still have the parking problem brought on by Otterbox not having adequate parking and all the other new buildings coming in. There is absolutely no parking. The on-street parking during the day is especially problematic.

Question (staff): Staff asked if the neighbors would be comfortable with pursuing another RFP to see if there was any interest from social service providers to use one or both of the buildings.

Response: An RFP process is costly to potential service providers. I think it would merit front end work by the City to clarify the flood plain issues and the group home separation issues so as to not to put potential respondents through a process only to learn that their proposal is not feasible due to the site constraints.

Response (staff): Staff stated they now know of a few items to follow up on and will provide updates as far as what would be considered a critical care facility and how that might affect use of the properties.

Question/Comment: Where can we find info on process? Is there a certain amount of mitigation the city does before it's made available to non-profits? Is that list different than if you were to sell?

Answer (staff): That is negotiable. We would have to sit down and see what a potential tenant would need and what the City needs and go from there. We plan to provide updates as we proceed.

Staff explained that the City has a conceptual review process. These are free meetings for anyone with a prospective development proposal. This is where all of the City departments who work on development review assess the site and proposed use and offer feedback and insight into if there are any challenges or issues up front before they make a formal application submittal.

Question/Comment: A nonprofit would present a paper describing what their hope is or how the property can be used?

Answer: Yes. It is a fairly simple process. We just ask for a drawing at that stage. We realize it is expensive to get professional drawings done. A lot of times people provide a narrative as well.

Question/Comment: Would it be possible once other expenses are taken care of if 317 S. Sherwood were sold, that the remaining funds were earmarked to help make the other property easier to bring up to code? Social service providers might be able to afford to pave alleys.

Question/Comment: What I am struggling with is being a good person and also just looking at the regulations. I appreciate what you are saying that there may not be enough equity in these properties that there may not be a large gain if the properties were sold. Having talked with several directors of Crossroads and with the City's Facilities staff, the maintenance of those existing structures has been costly to a provider. Certainly there is a need in this community for housing and this is a big building.

Comment (service provider): Parking is a big concern. The day time parking is solid. This property seemed like it made some sense to us because of the structures there. If we had four families each would be coming with a vehicle. Faith Family Hospitality would have an overnight person there every night with the families who would also have a car as well as other staff coming and going. Even if you sold these two houses separately, families these days frequently each have two vehicles; you would have two vehicles connected to with families equal to if you split the property.

Comments/Discussion:

- Are there requirements for a certain number of parking per staff member? You
 may have to have more parking that what you would think.
- Staff stated that there are minimum parking requirements for staff. Also, there is a standard in the zone district that no more than 40% of the front yard could be improved for parking (so parking in the front yard would be very limited.
- What about removing the garage to allow for more parking?

Question/Comment: What kind of timeline are you hoping for?

Response: There is no specific timeline. Based on the feedback tonight, we are leaning towards doing another RFP to see what proposals are submitted and will send updates those who have provided their email addresses tonight.

Question/Comment: The need is really great for homeless people. There are structures sitting empty. Isn't there a way to open them in an emergency?

Response (staff): Staff explained they are very concerned about our neighbors this year, but fortunately the shelters have not been full yet. Catholic Charities and Community of Christ Church are currently working towards being able to open an overflow shelter at the Church (at Oak and Mathews), which City Council just approved to use as shelter for single women. This will free up space at Catholic Charities if needed. In addition, hotel vouchers are available through Catholic Charities. The local service providers believe the overnight shelter options are adequate at this time.

Follow-Up Items

• Encourage Sharing of Information

Staff encouraged those in attendance at the listening session on November 17 to share the information discussed at the listening session with their neighbors so that more in the area can provide their feedback if they would like.

Additions to E-mail Communication List

Individuals who would like to be included to the email list for future messages may contact Sarah Burnett at sburnett@fcgov.com or 970-224-6076.

Preliminary Land Use, Zoning and Floodplain Responses

A number of questions related to land use, zoning, and floodplain requirements were raised at the meeting. Some of these questions, with additional information from City staff compiled since the meeting, include:

- Minimum Distances between Group Home Facilities
 - The minimum required separation distance for group homes or shelters for victims of domestic violence in the N-C-M District is 1,000 feet.

An existing group home operated by Touchstone Health Partners at 218 S. Whitcomb Street is located approximately 500 feet from the Sherwood properties, requiring approval of a modification of standard if a group home or shelter for victims of domestic violence is proposed.

City's Ongoing Maintenance Costs

A resident asked if the City could provide expenses related to the properties. While Crossroads Safehouse was the tenant, they were responsible for much of the maintenance, so the City has not had substantial maintenance expenses. Approximate total utility costs, including electric, natural gas, water, wastewater, and stormwater, for the highest use periods (2011-2012) were:

- 317 S. Sherwood \$3,000/year
- 321 S. Sherwood \$6,350/year

Square Footage Measurements

- 317 S. Sherwood
 - First Floor 1,258 square feet
 - Second Floor 1,047 square feet
- 321 S. Sherwood
 - First Floor 3,295 square feet
 - Second Floor -1034 square feet (original) + 1,047 square feet (addition) = 2,667 square feet

Floodplain Requirements

Fort Collins Utilities has published a "quick guide" outlining standards and requirements for new structures and additions or remodeling of existing building located in floodways, floodplains, and flood fringes. This guide can be viewed at: http://www.fcgov.com/utilities/img/site_specific/uploads/quickg-uide.pdf.

Critical Facility Determination

Group homes or shelters that may house vulnerable populations that require assistance evacuating during a flooding event are likely to be considered a critical facility, and would not be permitted at 317 & 321 S Sherwood Street. Specific information would be required to make that determination, but uses such as schools, child care centers, and housing for vulnerable populations would be unlikely.

o Off-Street Parking – Service Provider Needs and City Requirements

- Group homes and shelters for victims of domestic violence are a minimum of 2 spaces for every 3 employees, and one space for every 4 adult residents, unless those residents are prohibited from owning and operating a vehicle.
- Single family homes on lots greater than 40 feet in width require 1 parking space.

• Minimum multifamily project parking requirements are based on the number of bedrooms per dwelling unit, beginning at 1.5 spaces for each one-bedroom unit and increasing thereafter.

o Group Home Client Maximum

 Group homes in the N-C-M District are limited to a maximum of 8 residents, excluding supervisors. A large group care facility in the N-C-M District is limited to 15 residents, excluding supervisors.

Conceptual Review Scheduled for Early 2015

Staff has begun researching these questions, as noted above, but in order to gather all the information in one place, the City (as a property owner) plans to complete a Conceptual Review in January. This will allow staff from various City departments and other reviewing agencies to provide comments on considerations for development and potential uses of the properties, including considerations and requirements related to floodplain, stormwater, utilities, Poudre Fire Authority, planning, zoning, etc. The comment letter that summarizes the review should assist City staff in preparing the RFP for service providers, and should also provide the service providers with a clearer picture of the feasibility of their ideas given the allowed uses and development considerations for the buildings.

NEIGHBORHOOD INFORMATION MEETING

PROJECT: 317 / 321 S Sherwood St Group Home

DATE: February 10, 2016

APPLICANT: Annette Zacharias, Faith Family Hospitality

PROJECT PLANNER: Ryan Mounce

City Presentation: Site History & Development Review Process

City of Fort Collins has owned the buildings on Sherwood Street since the early 1980s.

- Central connector constructed to create 1 building out of two homes. Several additional expansions created a building with 19 bedrooms, multiple kitchen/bathrooms, and common open spaces.
- Buildings were occupied as a group home for over 25 years by Crossroads Safehouse
- Buildings have been vacant for the past 4 years. The former group home use was abandoned and the site must go through the full development review process to reestablish the use again.
- Site is located in the Neighborhood Conservation, Medium Density (NCM) zone district.
- Proposal under discussion tonight is for a group home to house families for transitional housing.
 Group homes and large group care facilities are subject to Type 1 (Administrative) review in the NCM zone district.
- The decision-maker for Type 1 reviews is an Administrative Hearing Officer at a public hearing
- In addition to land use approval, the project also needs approval by City Council for lease of the properties this would occur only after the development review process is completed.
- The proposal will likely need to submit three modification of standard requests to the following Land Use Code sections:
 - Floor Area (building size) Existing building exceeds current zone district maximum
 - Group Home Separation (distance between group homes) A group home operated by Summitstone is located less than the required 1,000 feet away near Whitcomb & Oak.
 - Group Home Size (# of residents) Maximum in the NCM district is 15 residents;
 proposal is up to 30 residents

Applicant Presentation:

- Proposal is to house up to 8 families transitioning out of homelessness at the Sherwood Properties. Many definitions of a family, but the adult(s) must be related to the children by marriage or blood.
- Faith Family Hospitality is an interfaith collaboration working with 30 local churches that currently provides housing for families transitioning out of homelessness.
 - Currently housing 4 families in the program. The families stay at and rotate between churches every week. Other churches help out by providing support services. Currently, families must move every week on Sunday and take all their belongings with them and make new transportation arrangements every week.

- o A day center is also provided at the Fort Collins Mennonite Fellowship for families not in the overnight program. The families can use showers, laundry, and kitchen during the day. Everyone who utilizes the day center is background checked.
- The Sherwood property would allow the families better case management, privacy, independence and other qualities to increase chances of success and finding permanent housing.
- Families would stay at the Sherwood location approximately 6 months in a co-housing or coliving environment. Each family will get several bedrooms, based on size. Would like to make 'suite' environment for each family at the property.
- No child-care provided on-site, all children must be supervised by parents utilizing a line of sight rule.
- Some day-center activities may come to the Sherwood site as part of the proposal.
- Case management includes financial literacy and debt programs, finding employment, childcare, and enrolling in housing lists.
- A resident manager will be living on-site to handle issues and provide mentor and support to families.

Comments, Questions & Responses:

Q - Question R - Response C - Comment

Q (Citizen): I have a couple clarifying questions – you said a family is determined as two parents and children?

R (Applicant): Parent or parents and children, some families only have one parent.

Q (Citizen): Can you also tell me a little more about your background check process?

R (Applicant): Every adult in the program and our volunteers go through a criminal background check, and it was just expanded to a full national check, rather than only a state background check. Some of the families are referred to us from outside the community and it was important to do the full national check. Families are also drug-screened, and they are not allowed to use drugs in the program or to be intoxicated. The residents of the program have to pay for their own drug-testing.

Q (Citizen): So they're not allowed to have criminal records?

R (Applicant): It depends on the criminal record and how long it's been. If someone shoplifted 5-years ago and has not since, that is different from someone who shows up as a convicted sex offender.

Q (Citizen): Where do you draw the line where you may be faced with someone who has a recent drug charge, but also needs help housing their six children?

R (Applicant): There's only one person who does the intake and screening procedures to ensure consistency in the process. What we look for is if there are crimes related to guns, bodily injury, or sex convictions. A drug-use conviction may not necessarily disqualify eligibility, but it may warrant additional testing, and if something shows up in the labs, we would have to see levels dropping as they enter and stay in the program to remain in place. Residents cannot be under the influence of marijuana unless they have a prescription.

Almost 60% of the families in the program either leave voluntarily or are asked to leave because they can't do the work. 43% of those in the program from the last 12-months were able to achieve permanent housing.

R (Applicant): Because the families are utilizing other services, emergency shelter, or are referred by partner agencies, they also have a track record. Families must show they are a good fit for the transitional housing program. Some families may need to stay in the emergency shelter program until

they are a good fit or leave. We've had families stay anywhere from only 11 days to over a year in the emergency shelter program.

Q (Citizen): You talk a lot about your programmatic elements of the program, but you haven't talked about the fit for the facility or with the neighborhood. Having read your application for conceptual review, it seems to suggest you were not familiar with the layout of the facility and were only needing a little bit of updating. I'm curious what other due diligence you've done since the conceptual review? I know Crossroads had a lot of difficulty with the cost of heating and cooling the facility and ongoing maintenance -- have you budgeted for all this, and explored building code compliance issues, and necessary investments in the property? Are you working with professionals on the project? **R (Applicant):** We have a team of people we're working with. In January, we were just looking to see if we could even get through the initial conceptual review and it was high-level. It's now time to do the heavy lifting of the due diligence.

Yesterday we just had an inspection done on the property and received the report today. We also have a general contractor and designer working for us. We're putting those pieces together right now. There are some identified issues that we will need to attend to. For instance, there are some floors that we will need to shore-up. We have inspections on heating and cooling and electrical still to be done.

We are also working with Crossroads to get some of their past bills for the property. It's said they were high, but it's also a large building, as it's over 9,000 square feet. I am the former director of Crossroads and was at the Sherwood facility for a short time as they transitioned to the new facility, I knew the utility bills for their new facility were 3 times higher than the Sherwood property, but that makes sense as the new facility is 3 times as large, which tells us the Sherwood property may not be that cost-prohibitive necessarily as utilizing any other building. We're working on the budget modeling right now.

Q (Citizen): Is your budget based on housing 30 residents at the facility at all times, which is double the maximum of 15 residents allowed by the zoning? Would your budget model work if there were only 8 or 15 residents at the location? A request for 30 seems like an extraordinary request in terms of what the Land Use Code section for group homes permits.

R (Applicant): No, 30 is the very highest level. We're exploring accommodating 8 families. Our average is 2.4 people per family, but we also do have some outlier families with many children, which could put us towards the 30 number for short periods of time.

R (City): The City's Land Use Code does have a procedure for what we call a modification of standard for projects that are not meeting the stated requirements. Those modification requests need to be approved by the decision-maker and must follow certain justifications and be supported by evidence and analysis.

In making a modification request to increase the maximum number of residents, the applicant must select a specific number. The City doesn't have the capability to be inspecting every approved development project on a regular basis; instead our zoning department operates on a compliant basis. If there were ever a complaint, the specific number of the modification resident of maximum residents is what the project would be evaluated against rather than a blanket modification to exceed the current 15-resident limit.

Q (Citizen): You mention in-state and out of state – how many of these families are actually from the community?

R (Applicant): 65% of our families come locally from the Front Range. We have lots of family that come to us because they are brought in to Crossroads from outlying areas and get integrated into the support network and want to stay with us. We get many referrals from Crossroads. If the families are a good fit for our program, then they can be referred to us.

R (Applicant): A lot of people who are looking for work will go to where family is, and often people are promised a job or place to stay by a family member and it doesn't work out, and those individuals are left without options in a new community. That could be another way we receive potential families. Others may wear out their welcome with family or friends and are asked to leave and end up sleeping in their cars or find Catholic Charities who refer them to us.

Q (Citizen): How many of the thirty locations you have located right in the middle of a single family neighborhood? You're talking about putting a high density use right in the middle of a neighborhood. What kind of problems can that create? Is there additional crime, a real estate impact, are there transient issues? You do a lot of studying on your population, but what are you doing to those around you?

Q (Citizen): Are the churches the families housed in bigger than the proposed facility?

R (Applicant): Well they're staying at churches, which overall are larger and on church grounds. We have not had families staying permanently at a facility like this before; they move every week to a new church in another part of the community.

R (Applicant): We have looked at other test sites. At the Greeley Transitional House, they are long established and they have a 12-unit facility in a residential neighborhood and it doesn't appear there is any impact from them.

R (Citizen): Having lived next door to the Crossroads Safehouse, and while they were there, we had more trick-or-treaters, we had less parking, and you were aware if there were issues or problems of people who were walking around or in the alleys, but otherwise it wasn't an issue.

R (Applicant): One of the things the City is requiring of us is that we establish a parking lot in the back with landscaping so the neighbors won't be bothered by headlights and to ensure we have spaces for our parking needs. We work with a lot of families that don't have vehicles, but for those that do, our plan is to have them park in the back parking lot and not on your street, because we are aware you don't have parking on your street.

C (Citizen): The thing is with the parking lot, I think you said you will provide 4 to 7 spaces, there's a wide range there. If there's someone living on site, that is probably 1 space, and if you have up to 8 families, and up to half have cars, that's another 4 or 5 spaces. If you only have 4-7 spaces, they will be on the street, and parking is a huge problem, and I don't see the parking will work. I wish the parking situation was a little more settled and I could feel better about this. There is so much pressure on the neighborhood right now and it increases all the time in terms of parking. I see this as adding to the problem.

R (Applicant): During the daytime, if the residents are at jobs or working with agencies, their cars won't be present. Only 50% of our families have vehicles, or the need for 4 spaces, in addition to spaces needed for the resident manager.

R (Citizen): But you may be bringing others in during the day for the day center.

Q (Citizen): You also mentioned you had volunteers? How many employees and volunteers would be there during the day?

R (Applicant): The day center has been included thus far in the proposal, but we're still determining what role the day center is at this site. Many of the families who utilize the day center don't have vehicles, they use public transit. Families using the center likely won't have vehicles, but there would be 2 spaces needed for employees of the day center. Any volunteers are in and out and dropping items off.

R (City): The Land Use Code requirement for group home parking is based off employees present and number of adult residents who can own or operate a vehicle. The ratio is 2 spaces for every 3 employees and 1 space for every 4 adult residents. What we need more information on in determining parking spaces beyond this are the characteristics of the day center, because that could have an impact as well.

R (Citizen): Can they add additional parking?

R (City): Yes, our parking requirements are just a minimum, they can add additional spaces.

Q (Citizen): How does the day center operate? Is it only families that use it or individuals? **R (Applicant):** Our program is only families, and they have to be invited and screened before they ever get to the day center.

Q (Citizen): The group home designation is very broad. Did you approach the City for a group home occupancy, or was it suggested that is what you are?

R (City): Based on the current characteristics of the proposal, that is what we're classifying the proposal. It most closely resembles the definition of a group home in the Land Use Code and is consistent in operation with the Crossroads Safehouse when that organization utilized the facility and it was also classified a group home at that point.

Q (Citizen): As a group home, there are certain definitions within, including one that has a certain amount of care provided. It seems here on one hand there is some amount of care provided, and on the other there is a push towards independence. Were other potential classifications looked at, such as a lodging establishment, or was it this is the only thing that fits, so we'll use it?

R (City): Based on the definitions in the Land Use and Municipal Codes, some of those other definitions don't match the proposal. There are distinctions with a lodging establishment as a short term rental for less than 30 days, while for this proposal families may be staying upwards of 6 months.

R (Citizen): Wasn't Crossroads a domestic violence shelter?

R (City): There is a separate land use for domestic violence shelter now in the Land Use Code, however it was created after Crossroads Safehouse had begun operations on Sherwood, and the requirements for a domestic shelter versus group home are nearly identical.

C (Applicant): It is a little strange to call this model a group home, but as we were exploring this one of the things that came up was stormwater and floodplain, which has restrictions on critical populations. In part because of this there won't be unsupervised child care. There won't be people with disabilities that won't be able to evacuate if there is a flood.

R (Citizen): Do you have a determination from stormwater?

R (Applicant): We went through the criteria with them of who would be staying at the site, that there wouldn't be child care or school classes provided to ensure vulnerable populations would not be present.

R (City): At the conceptual review meeting in January stormwater did not believe it was a critical facility based on the information they reviewed.

C (Applicant team): As president of the Faith Family Hospitality Board, it has been very helpful to hear the questions and comments raised tonight. Has there been any discussion with the neighborhood association for more input?

R (City): I do not believe there is a neighborhood association or HOA for this area.

R (Applicant team): It seems to me we need to be sure we're going to be a good neighbor and how that works and what these concerns are that are surfacing tonight. What's our timeframe for tonight? **R (Applicant):** We pushed to have the meeting tonight and early because we knew we had to discuss this. We would love to have families move in this summer, but we recognize we have a lot to do. That's

why some of this, like budget numbers, I can't provide yet. I just got the inspection report back this afternoon and now we can start working with our general contractor on what this all means, what concerns are, and extrapolate what our costs are. We wanted to come to you all first because we had heard from some of the previous meetings that you were interested in what was going on at these buildings. We're very interested in hearing what the struggles and successes were or other ideas you have from when Crossroads used to operate at this location.

R (City): From my review of the proposal, I'm also interested in learning about any concerns for the potential modification requests for that many residents and what experience was with Crossroads Safehouse. Crossroads also had more than 15 residents when they were operating, but the two group homes aren't necessarily the same, and it would be great to hear other thoughts on this. Tonight we've already had comments expressed about parking impacts in the neighborhood.

Q (Citizen): Is it fair to say most of your residents are children?

R (Applicant): Yes. If by chance every family had two parents, that's 16, and the remainder (14) would be children, however many families may only have one parent.

Q (Citizen): My question then is where do the kids play?

R (Applicant): In the backyard, there is an existing playground. It's an enclosed playground. That is our anticipation that they have their own playground.

Q (Citizen): What about teenagers?

R (Applicant): There is a computer room, a large center space, and we expect to have youth hangout spaces. In my experience at Crossroads, there is a teenage room where the little kids don't get to go. We expect to be able to do that as well.

R (Applicant): We also have very few teenagers. Most of the families we help have smaller children, less than 10 years old. The teens that we do help house also often have jobs, they are trying to help support their families.

Q (Citizen): Have you checked in with Dunn Elementary to see if there's room. They would be the local school the children would attend.

R (Applicant): Children in our program get to choose their school. What we would have is a bus stop at the front door where Poudre School District could work with us to pick up every day. Many of our children go to Odea Elementary because it is a school that is culturally accommodative to families in these situations. We haven't reached out to Dunn yet but I imagine we would do so.

Q (Citizen): This question is more for the City. I know parking is a big issue and there was talk in the past several years about a garage at the Mulberry Pool parking lot. Is there any news on that? **R (City):** There was talk of a public-private partnership at that site, or a separate garage by Blue Ocean who is linked with Otterbox on Meldrum, but there isn't any new information on either location at the present time.

Q (Citizen): You explained the drug policy, but for alcohol you mentioned no intoxication – does that mean no alcohol?

R (Applicant): Yes, no alcohol. Even if someone is taking prescription pain medication, they can't illustrate behavior that they are under the influence. We err on the side of care for the kids.

Q (Citizen): And then where do they go?

R (Applicant): They are asked to leave. They are warned, and are continually told from intake that this is the policy for the program.

Q (Citizen): In your other facilities, how do you address neighborhood concerns after you're up and running?

R (Applicant): There may be some confusion. Right now, the families we house move every week to a new church around the community, so there isn't a permanent location.

Q (Citizen): So this is the first time you will have a facility outside of the churches and also 6-months at a time? This is experimental?

R (Applicant): It is the first time for the families staying in a more permanent location outside of churches, but the model has been utilized elsewhere and we are looking at best practices and visiting other locations. We have had families staying with us for longer than 6-months, but they have to move every week from church to church. Our system is meant to be an emergency shelter, and because we don't have the option of transitional housing in the community, it is a bottleneck in the care and housing continuum.

Q (Citizen): You mention this is evidence-based, so you have been documenting this and its part of a record you have?

R (Applicant): When we say evidence-based that means other people have done benchmarking and identified critical elements to success.

Q (Citizen): The way evidence-based is mostly commonly used is that there is ongoing documentation to the case at hand. The information from the Interfaith Hospitality Network doesn't relate to the case at hand.

R (Applicant): What we're doing is not reinventing from what they have identified. There are models for this all over the country. Some in Colorado include the Greeley Transitional House and Family Homestead in Denver.

Q (Applicant team): As you've researched these other models, what have they said about their impacts on things such as property values?

R (Applicant): They said it hasn't had an impact. I've only asked that question to two of them. They aren't seeing this. This has been a vacant property for almost 5 years and it was a safehouse before, and we're hoping to not have any impact on property values.

Q / C (Citizen): Is that information you're going to provide? This should be a focus on the impact of your neighbors. You all have a great mission, but this is your first shot at this type of facility in the middle of a single family neighborhood. Having information on impacts would be helpful to your proposal. A curious question is how many of you all live in Old Town and will be impacted? Is anyone in the organization living the pain with us?

C (Citizen): I think part of it is also the Old Town Neighborhoods have been through so much recently, we all have big hearts I think, and we want to take care of people, but in these neighborhoods it's been one thing after another for years. I'm on a Whitcomb by connections, the substance and mental health center. One thing that has impacted us recently is their new no smoking on their property, so the residents have to go across the street to smoke. Now when my kids walk to school, they have to walk through the smoke.

R (Applicant): We'll have to look at that since it is a City property.

R (City): It will have to be a smoke free lease since it is from the City.

Q (Citizen): How long will your lease be with the City? I wonder if there is a way to reexamine these issues when it comes again. How long will this be here in the neighborhood? If things aren't working out in a year, what do we do?

R (Applicant): We want to purchase the property. The property is unwieldy and we thought we were a good fit. There's not an opportunity from the City to purchase right now, but we are interested in that. It would be a lease with a purchase option down the road if it works out.

R (City): It's not negotiated at all yet. What we're doing here is we offered it to all those that are interested for a long-term lease and they pay all the expenses. This is the only organization that had interest and could meet criteria such as not housing a vulnerable population in a floodplain. When you ask an organization to go through and make improvements to the building and take care of maintenance, you can't give a short-term lease because it has to work for them as well. There are always terms of default included in the lease, and if they don't do what they're asked to do, they will also be asked to leave.

Q (Citizen): If someone makes improvements to the property, there are amortization schedules, you can have operating covenants, and there are many options. If they're not working out, there's lots of ways to do it.

R (City): We've had meetings on the property before that some of you have come to. When we started looking at what the City could do with the facility, we were even looking at dividing the facility and it cost too much money. They will have to put in substantial improvements, including paving part of the alley. The City won't be paying them back for those improvements. We're trying to help the community and take care of the facility.

R (Citizen): There should be operating covenants, and you have the right to terminate the lease if they're not performing. If they become a problem for the community, the community should have the opportunity as owners of the facility to have them out.

R (City): If they are not performing to the lease and are in default they will be asked to leave.

R (Citizen): Not just financial default, but other aspects as well.

R (City): Yes, default on any terms of the lease. They are required to keep the premises in good and healthy condition

C (Citizen): We're concerned with unforeseen circumstances. With a long term lease, what are our options as a neighborhood if crime goes up or vandalism increases?

R (City): We have nuisance laws in place that are complaint drive, for any neighborhood that can be brought to the City's attention. For instance, if you thought there were 100 people in the house, you could file a complaint and it would be investigated.

R (City): If there are any complaints or zoning violations, the City (Real Estate) receives a copy of the ticket or warning as property owner. All of these issues would be at the forefront of the City's attention. Also, because it is a leased facility, the City does property management inspections to make sure they are taking care of the facility. For property management, we aren't complaint-based, there will always be quarterly inspections. You will have people to call if you are experiencing issues.

C (Citizen): It seems like it's the City's strategy to match a long-term lease to what amounts to an experiment for the organization.

R (City): We're trying to deploy a community asset. They asked for us to sell the building, but we weren't sure if we really wanted that and if that would make sense to them immediately. We can review after a lease term if it makes sense to sell the property. The family promise model the organization is based on does offer these types of services and has experience in other parts of the country and within Colorado.

Q (Citizen): This is a local non-profit that was started out of the need in the community? **R (Applicant):** Yes. We're not going into the building inexperienced either. David Everitt is championing our building team. We also have general contractors, designers, and many volunteers lined up to donate time.

Q (Citizen): Do you have a design professional? I assume you will need a building permit or change of occupancy?

R (Applicant): We are now going into full planning mode. We have a couple architects we have in minds that have offered to donate their services or for reduced price.

R (City): That is a requirement of our lease that all alterations have to go through the planning or building departments and they have to have licensed contractor. That is for all of our leases.

Q (Citizen): Is there any option to downsize or to start on a smaller scale as part of the lease? Then do a lease renewal with a larger scale?

R (Applicant): One of the things we're still exploring is not operating it as a day center, especially not right away. We have made improvements at the current day center, and it is centrally located. We may choose to keep that. I am more than willing to say that we aren't likely to vacate our lease at the Mennonite Fellowship. I would love to have 7 or 8 families here, and with 2.4 people per family, our average, we could be at 20 or 24 people. It's going to be costly for us to do this, and it would be nice to offer what we can in the configuration of the current building which has almost 20 bedrooms.

C (Citizen): I think it would also be in your best interests to start on a smaller scale, since it is somewhat new.

R (Applicant): I don't know what the means in terms of having to go through the review process.

R (City): There is a City process in place, either amendments to an approved plan, or a new development plan, where the number of residents could be changed over time. Going above the 15 resident maximum limit would always require a modification request, however.

Q (Citizen): Has the property been appraised?

R (City): It has been appraised in the past, and we have ordered a new appraisal.

Q (Citizen): In your view, what is a long-term lease?

R (City): We haven't gotten there yet. We don't approve the lease until they have their building permit. Council has to approve the lease but they can't hear about that project until after the development review process is completed.

C (Citizen): I have been listening to everyone's feedback and I think we have a great opportunity to do something really nice down here, instead of having those monstrosity-types of houses builtt or having Otterbox come in. Let's keep the houses the same way they are, just be Old Town houses, and be used for something really beneficial and be the good neighbors and welcome them instead of asking what are you going to do for me? We don't get to pick who buys the house next to us if it's for sale.

Q (Citizen): What happened to the loan money that was provided to the safehouse to move to their new facility?

R (City): It's still there. We may go through the budget process and just request the money to pay the loan off.

Q (Citizen): Knowing about the financial considerations, is that part of the public record?

R (City): The ordinance that made that transfer is in the public record.

Mr. Ryan Mounce City Planner City of Fort Collins rmounce@fcgov.com

re:

Development application for 317-321 S. Sherwood St.

Dear Mr. Mounce,

Clearly, a full range of affordable housing opportunities are important to the community of Fort Collins, and that range must span from the most supportive to that which is just less costly to those in need. Faith Family Hospitality (FFH) realizes this, and presents a compelling case for housing that provides a "transition" from emergency shelter to families, to more "permanent housing which mean they move to a fully independent life where they are required to manage all of the pieces of their lives without assistance." FFH goes on to provide their vision of transitional housing that includes "supervision of a resident manager" and have access to "support services including case management." The logic of this continuum is sound, but the question of implementation difficult. It is easy to comprehend why a large, empty, city-owned structure, with many bedrooms would look attractive to those concerned with the community's affordable housing dilemma. However, sometimes such seemingly "unbelievable" opportunities warrant particular scrutiny. The City and the affordable housing community owe it to themselves, and concerned citizens, that the transitional housing projects they take on can be implemented successfully and sustained over the long-run. As a long time neighbor to the property, residing at 315 S. Sherwood since 1997, I was always supportive of Crossroads domestic violence shelter. They were excellent neighbors, and the property was well managed. In the later years of their occupancy I know they faced greater challenges regarding both management and facility strategies. Now, having abandoned the N-C-M "use by right" of "shelters for victims of domestic violence," my understanding is that any new occupancy needs to go through development review, as the FFH proposal has begun. This is an excellent opportunity for officials, service providers, and community members to consider the myriad of challenges in realizing our collective policy goals, including those of assuring a continuum of affordable housing options.

This said, what may seem ideal at the outset may prove to not be such under closer scrutiny. FFH is proposing a facility where an "average of 30 people would live in the building at any time." [Emphasis added.] Additionally, they propose a resident manager and a day center where "four more families would be using the space in the center during the day." By FFH's own admission, in their conceptual review application, they made this proposal for the January conceptual review with little knowledge of the interior configuration of the building. They assumed that two kitchens and some bathrooms might need some "updating." I would like to know whether they have further explored the rehabilitation required to change occupancy and to address current building codes?

As it is best to raise concerns early in a collaborative process, I would like some clarification on issues related to the Land Use Code, Flood Plain standards, Building Code interpretation and enforcement, as well as disclosure of the City of Fort Collins' contractual and pecuniary interests in the properties under review. I address these in order.

• Land Use, Zoning and Occupancy Classification

Upon presentation of FFH's vision at the January 4th, 2016 Conceptual Review City staff characterized the request as one of permitting "buildings as a group home for up to 8 families" (as per Neighborhood Meeting Invitation dated January 27, 2016). In this characterization several important questions are introduced. Staff notes that a group home, including a large group facility is permitted in a NCM zone subject to Administrative (Type 1) review. In going on to itemize required modifications to City Code they note several significant changes that would be necessary. These provisions of Section 3.8.6 of the Land Use Code are: maximum permissible residents, minimum separation requirements from other group homes, and required floor area ratio. In fact, the applicant is asking for relief from every provision of Section 3.8.6, a law which we must assume reflected the policy intent of the City Council when enacted. While administrative review procedures afford wide discretion for modification of standards (Land Use Code 2.8.2) to the decision maker, it is hard to imagine circumstances which warrant an administrative act that completely upends and disregards a democratically enacted law. I would urge very careful and deliberate consideration, and meticulous public documentation of how such an extreme action would advance public policy.

Aside from the policy implications of number and magnitude of modifications to Section 3.8.6 requested, there are some some practical implications as well. FFH's suggestion that the average occupancy of the facility, 30, <u>doubles</u> what is identified as the "maximum permissible residents, excluding supervisors." The practical implications for this in a residential neighborhood on the edge of the downtown core should not be taken lightly. FFH makes a statement regarding parking that is largely unsubstantiated. In the absence of an empirical justification, they estimate the need for parking to be 6 spaces. The 300 block of South Sherwood is already impacted by OtterBox employee parking and any further demand for on-street parking will further exacerbate the problem.

Further, I would like to ask whether "group home" is even the right designation for this application? Could it as easily have been classified as a "lodging establishment", which is of course not a permitted use in the N-C-M District? What is the specific basis for the "large group care facility" designation?

• Building Code Issues

While I understand that the current review relates to land use, I would like to bring up a consideration that both the property's lessor (the City of Fort Collins) and the prospective tenant (FFH) investigate further. According to FFH Site/Roof Plan of 9/30/94 that the applicant submitted as a sketch plan, the Occupancy Classification was listed as R-1. Given the project's preliminary description, a classification of R-2 or R-4, (or even I-1 if the number of residents requested is permitted!) may be more appropriate under the Uniform Building Code 2012 (as amended) Section 310. Further Section 3408.1 states, "No change shall be made in the use or occupancy of any building that would place the building in a different division of the same group of occupancies or in a different group of occupancies, unless such building is made to comply with the requirements of this code for such division or group of occupancies."

Flood Plain Issues

In its conceptual review application FFH claims "The flood plain concern has been discussed with the City of Fort Collins Stormwater Department and they felt this would not be a concern for them." I question this. There are many nuances and ramifications of the flood plain regulations, but to so cavalierly dismiss the concern may be a mistake. For the sake of brevity, I will address only several linked definitions included in the Municipal Code. Municipal Code Section 10.108(8) states "Critical facilities. Critical facilities are prohibited." Critical facilities are defined in Sec. 10-16:

"Critical facilities shall mean structures or facilities, but not the land on which they are situated, that if flooded may result in significant hazards to public health and safety or interruption of essential services and operations for the community at any time before, during or after a flood. Critical facilities shall include essential services facilities, hazardous materials facilities, at-risk population facilities and government services facilities."

Note the inclusion of at-risk population facilities, which are also defined in Sec 10-16 as:

"At-risk population facilities shall mean facilities that house or provide shelter or services to children, the infirm or other persons requiring special assistance or care or life support. At-risk population facilities shall include, but not be limited to: hospitals; non-ambulatory surgery centers; elder care, nursing homes and assisted living facilities; congregate care facilities, residential care facilities and **group homes**; housing intended for occupants who may not be sufficiently mobile to avoid death or injury during a flood without special assistance; day care and child care facilities; public and private schools for all grade levels below high-school graduation; and before-school and after-school care facilities and summer day-camp facilities."

The chain of "critical facilities", as related to "at-risk populations", as related to "group homes" is clearly spelled out in these definitions.

• The City's Interest

Over the years the City of Fort Collins has been a generous partner and landlord with many non-profits. Clearly, the goal of working with FFH is no exception to this. I would continue to urge the City to remain transparent as to it's interests regarding 317 & 321 South Sherwood, as they have been in the past.

While, you might be reading this as if it is yet another NIMBY complaint, that is not my intent. If the goal is to help families transition into independent dwelling units, might not there be an investment in the 321 building to create four code compliant dwelling units as permitted by review. Might not a separation of 317 and sale in the market be used to subsidize this investment in 321? These are just quick ideas, but I would like to offer my experience and expertise to the City and its partners if you wanted to conduct a "charrette" or "brain-storming session" on how to achieve the important goals of a continuum of affordable housing options in Fort Collins.

Sincerely,

Christopher Koziol, Ph.D., AIA, past-AICP

Christopen Koziot

315 S. Sherwood Street Fort Collins, Co 80521 koziol@cityvisions.org

From: Karen Canino <clydecanino@comcast.net>

Sent: Friday, February 12, 2016 6:28 AM

To: Ryan Mounce

Subject: City owned properties on Sherwood Street

Hi Ryan,

Thank-you for a very informative meeting on Wednesday. I would just like to provide some input on my part.

I think the proposal would work well in the neighborhood if the parking problem was alleviated first. Currently, the thought of adding an additional 30 people to an already stressed situation is just not doable at this point. Even tho the Faith Hospitality group are required to add additional parking and have assured there will be no street parking, I would like to point out, we were told the same thing by Otterbox when they added their office building across from the Lincoln Center. Presently, there is now a restaurant in the Otterbox building that has further complicated the parking issue.

There was never an issue with Crossroads located there but the surrounding area has had drastic changes since the building was vacated. I would like to support the proposal because there is a need for transitional housing and I do believe the Faith Hospitality group would do a great job. I just cannot support the current proposal until the parking situation is addressed and in place. It appears the whole parking issue will not be taken care of anytime soon and it is unfortunate that it cannot be fast tracked (or maybe it can??).

One last observation- it was an interesting group of people at the meeting. The gentleman concerned about property values lives on Mountain and those property values will never go down. For that matter, neither will the ones on Sherwood Street. Property values really are not an issue for me. The couple that chastised the group for not welcoming the Faith Hospitality group lives on Whitcomb. They are a block removed and are not feeling the parking pressure on the Sherwood block. They can still park in front of their house. I am not implying my opinion should be given more validity, I would just like to point out that it is very easy to suggest what a neighborhood should do or needs if you do not actually live next door or across the street from it.

Thank you for your time and work on this. Best,

Karen Canino

From: jane@dbd-travel.com

Sent: Friday, February 12, 2016 1:04 PM

To: Ryan Mounce

Subject: RE: notes from neighborhood meeting

thank you Ryan...I really appreciate your email. Can you tell me anything more about the applicant? Do they have experience in this type of housing?

I'm worrying about the huge changes that are being considered for the Old Town West neighborhood from parking to safety and everything in between. Generally I'm in favor of the project-but want to make certain neighbors and potential residents of the project aren't being ripped off my some greedy developer.

Please include me in your email notes of the meeting...and I'll check in if I have specific questions.

You are the best-thank you, Jane Folsom 614 West Magnolia (I work from home)

From: ChrisTopher Kelly <chriskelly2013@icloud.com>

Sent: Tuesday, February 16, 2016 6:48 PM

To: Annette Zacharias
Cc: Ryan Mounce

Subject: Re: 317 &321 South Sherwood

Thank you both for getting back to me. As I said the other evening, I believe FFH are good people trying to make a difference. My concern is that Fort Collins and Old Town specifically are being asked to solve a regional problem. Old town has already absorbed the brunt of the homeless problem and this solution would expand the scope of the problem in Old Town by putting homeless poverty into a vibrant single family neighborhood with a high density homeless facility.

On Feb 16, 2016, at 2:33 PM, Annette Zacharias akzp65@yahoo.com> wrote:

Hello Chris.

I apologize for my tardiness in responding to your email. I work part time for Faith Family Hospitality and my time has been consumed by some very pressing matters that have demanded my attention.

I have cut and paste your questions to ensure that I answer all of them. Our website can be found at www.faithfamilyhospitality.org.

Your organization currently manages 30 homeless family shelters. Are they all in Fort Collins churches through out the city?

• No, we do not have 30 homeless shelters. We have 30 faith communities who help us provide shelter to 4 homeless families each night. 15 of them host our guests on a rotating week to week schedule and the other support the host sites with volunteers, food and time.

The subject property will be the first non-church location, will house up to 9 families and a permanent manager. (30 people)

• Yes, it will be FFH's first non-church location. We expect it to house up to 8 families and have a Resident Manager on-site. The 30 individuals number comes from 8 families having an average of 3.4 people per family who will be on-site primarily at night and the use of the day center during the day by 2-3 of the 4 families with an average fo 6 people being present during the day. We do not expect to exceed 30 individuals at any time.

Each family will be resident for 6 months, before being moved to permanent Housing. This is a completely new operating format for your organization (an experiment based on the data you have accumulated from operating your church based weekly operations) and you have visited two similar facilities in Denver and Nebraska.

• This is a new format for our LOCAL program. But this is an established method in programs which work with homeless families. The FFH model is based on the one established by Family Promise. (http://www.familypromise.org/programs/community-initiatives/) A similar model is used locally by Crossroads Safehouse, they have five units of 6 month transitional housing at the current shelter.

You do not believe this intensive high density use will have any negative impact on this single family neighborhood. Beyond a comment from the two facilities you visited you do not have any data to support this belief.

- I have visited sites in Greeley, Denver and Nebraska and we have another site visit planned for a different Denver site on February 25, 2016.
- That is true, we are making those inquiries at this time.

You plan to add 5 parking spaces, an employee apartment and a fenced in playground in the backyard.

We plan to add approximately 8 parking spaces, utilize current space in the existing structure for an employee apartment and use the current playground area in the back yard which already has a fence.

In your current program about 60% fail to live up to your rules and are asked to leave. Your organization does not provide transportation so they are currently left homeless if they fail out of your program. I would assume that they would be put out on the street as homeless in old town for your new operation.

Since the individuals who will be eligible for the new program will already have shown their ability to live up to expectations and are willing to continue to make progress, we do not expect to have many withdraw or be excused from the program. Another item to note is that those families who either excuse themselves or are excused do not linger around FFH. They move on very quickly. They are not expected to linger around Old Town.

You do back ground checks for violent crimes, but criminal records are permitted in the program. Applicants are not allowed to be using drugs or alcohol while in the program unless it is prescription, including marijuana. They can have drugs in their system when tested, but you expect it to be reduced over time.

- Yes, FFH conducts a national background check before they are eligible for the program. Those convicted of violent crimes or illustrate a history of criminal behavior are not invited into the program.
- Nonprescription drugs are not allowed nor are guests allowed to illustrate "under the influence" behavior". If someone tests positive for drugs, they can be asked to leave the program, but many times, they are given a second chance and the retested weekly to show continued and sustained improvement.

You can not tell how many of the homeless originated from Fort collins, but about 65% come from the Front Range and 35% are from out of state. The homeless are brought in to Fort Collins by your organization, or other referral organizations, from as far away as New Mexico and Arizona.

We do not bring anyone into Fort Collins for our program. Many arrive here, become homeless and end up in our programs through a referral process with community partners. We help move some families to other states where they may have a supportive family or greater economic opportunity.

There are no limitations to the number of participants can use the Day center.

Yes there are limitations. The Day Center is only made available to those who are in the overnight host program and occasionally someone who is on the wait list. In the past year, less than 20 individuals who were on the waitlist have utilized the Day Center.

None of your employees or board members live in Fort Collins Old Town.

This is true.

If you have any other questions, please don't hesitate to ask.

Annette Zacharias **Executive Director** Faith Family Hospitality

cell: 970-988-7799

From: ChrisTopher Kelly chrisTopher Kelly chrisTopher Kelly chrisKelly2013@icloud.com

To: Ryan Mounce < RMounce @fcgov.com>

Cc: akzp65@yahoo.com

Sent: Tuesday, February 16, 2016 1:03 PM **Subject:** Fwd: 317 &321 South Sherwood

Ryan,

I did not get a response from Annette. I called and get the correct E:mail from FFH. Could you take a look at the note below and verify that you heard the same information. I do not want to misquote Annette from the meeting. Since Annette is being unresponsive is there anyone else I could sent this note to in FFA?

Thank you for your help.

Begin forwarded message:

From: ChrisTopher Kelly < chriskelly 2013@icloud.com>

Subject: Fwd: 317 &321 South Sherwood Date: February 11, 2016 at 11:58:59 AM MST

To: akzp65@yahoo.com

Annette Zacharias, Executive Director, Faith Family Hospitality

Annette,

Thank you or your presentation last evening. Is there a website that I can learn more about your organization? Also, could you confirm the following I heard last evening:

- Your organization currently manages 30 homeless family shelters. Are they all in Fort Collins churches through out the city?
- The subject property will be the first non-church location, will house up to 9 families and a permanent manger (30 people).
- Each family will be resident for 6 months, before being moved to permanent Housing. This is a completely new operating format for your organization (an experiment based on the data you have accumulated from operating your church based weekly operations) and you have visited two similar facilities in Denver and Nebraska.
- You do not believe this intensive high density use will have any negative impact on this single family neighborhood. Beyond a comment from the two facilities you visited you do not have any data to support this belief.
- You plan to add 5 parking spaces, an employee apartment and a fenced in playground in the backyard.

- In your current program about 60% fail to live up to your rules and are asked to leave. Your organization does not provide transportation so they are currently left homeless if they fail out of your program. I would assume that they would be put out on the street as homeless in old town for your new operation.
- You do back ground checks for violent crimes, but criminal records are permitted in the program. Applicants are not allowed to be using drugs or alcohol while in the program unless it is prescription, including marijuana. They can have drugs in their system when tested, but you expect it to be reduced over time.
- You can not tell how many of the homeless originated from Fort collins, but about 65% come from the Front Range and 35% are from out of state. The homeless are brought in to For Collins by your organization, or other referral organizations, from as far away as New Mexico and Arizona.
- There are no limitations to the number of participants can use the Day center.
- None of your employees or board members live in Fort Collins Old Town.

From: bagshawbt@gmail.com on behalf of btbagshaw@hotmail.com

Sent: Wednesday, February 17, 2016 12:43 PM

To: Ryan Mounce **Subject:** 317 S Sherwood

Ryan;

Thanks for publishing the minutes of the last meeting. I live three houses from the proposal and share an alley. The land use code is for 15 people, not 30. I would like to see a variance closer to 15 than 30.

Thanks Bob Bagshaw Mr. Ryan Mounce City Planner City of Fort Collins rmounce@fcgov.com

re: Development application for 317-321 S. Sherwood St.

Dear Mr. Mounce,

Thank you for your e-mail of February 12. After carefully reading and attempting to understand the approach you present I am quite concerned. I believe that questions regarding land use and floodplain compliance are at the crux of whether 317-321 S. Sherwood St. is a safe and legally appropriate place for the proposed occupancy. Hence, in reading your e-mail I was struck as to how you chose to differentially characterize what is a "group home" in each.

You argue "staff is classifying the proposal as a group home, as the operational characteristics most closely resemble the definition for this land use." You then rightfully note (as per the definition in the Land Use Code) that the "key characteristics that support the group home designation are ..., on-site supervisory personnel, and access to case management and support services." However, later in your email, addressing the concern expressed in my letter of February 10, you state, "A proposal like that from FFH, however, meets the purpose and intent of restricting use in a floodplain by critical facilities or atrisk populations because the characteristic of the population being served is homelessness rather than specialized physical or mental care." [emphasis added]. Again, the LU Code definition of group home:

Large group care facility shall mean a residential facility that is planned, organized, operated and maintained to offer facilities and services to a specified population and is licensed by or operated by a governmental agency [Question: What is the licensing agency?], for the purpose of providing special care or rehabilitation due to homelessness, physical condition or illness, mental condition or illness, elderly age or social, behavioral or disciplinary problems, provided that authorized supervisory personnel are present on the premises.

In addressing the floodplain issue your response seems to be in contrast to the definition of a group home in the Land Use Code, and since you explicitly claim that the defining "characteristic of the population is homelessness" as opposed to those services that are more in keeping with a group home, it would seem that the Land Use determination of the use being a "group home" is in error. The "operational characteristics" are much more in line with that of the Land Use Code definition of a homeless shelter: "a fully enclosed building other than a hotel, motel, or lodging establishment that is suitable for habitation and that provides *residency only for homeless persons* at no charge at any time during the year." Homeless shelters are not a permitted use in an N-C-M district.

Regarding floodplain issues, you state, again in your e-mail of February 12, that internal discussions with Stormwater staff suggested that unlike other critical facility uses this proposed occupancy is somehow different. However, as I did in my letter of February 10, I would like to point out to you that the the Fort Collins Municipal Code (Sec. 10-16) explicitly states "At-risk population facilities *shall include*, but not be limited to: hospitals; non-ambulatory surgery centers; elder care, nursing homes and assisted living facilities; congregate care facilities, residential care facilities and *group homes*." "Shall" is not a permissive as is "may," but rather is an imperative, meaning "has a duty to". While there has been much litigation around the meaning, courts have largely endorsed the definition "has a duty to," especially when the word is explicitly used in statutory language. To idiosyncratically assume that certain kinds of group homes should not be included does not appear warranted. I am assuming that should the City

stick to its determination as a group home, and that this is upheld, the City Utilities Executive Director, and possibly the Water Board, will need to deal with this issue when FFH and the Owner (also the City of Fort Collins) apply for a floodplain use permit. Clearly, a floodplain use permit is required as 317-321 S. Sherwood are by definition *nonconforming structures* (Sec. 10-16) and according to Municipal Code this development (change of use) requires such review.

Regarding your response to Building Code issues, I would agree that earlier editions of the UBC (including those in effect in the 1990s) had a broad definition for for R-1 occupancies. However, should the authorities maintain that the occupancy is a group home, and that residential occupancy (at anytime) be more than 16 individuals, then I would suggest that the building code occupancy classification of I-1 (IBC Sec. 308.3) is in keeping with the operational characteristics of a group home (and indeed the use "group home" is explicitly listed in 308.3.) The move from R-1 to I-1 is achange in occupancy under the building code.

So, while your e-mail of February 12 cursorily addressed some of the issues I raised in my letter of February 10, many issues were not satisfactorily addressed and I expect that that original letter and this one will be included in the record for all future reviews. In addition to the concerns raised in that letter, I would like to draw your attention to another aspect of FFH's conceptual review application. In that application they also suggest use on the site for a "day center," which a review of the Land Use Code shows to be closest in definition to a "day shelter," again a use not permitted in District N-C-M.

As the City is both the review body for these various current and potential regulatory permissions, and a party with a financial interest (ownership) of the properties at 317-321 S. Sherwood, I realize that everyone will want to assure that decisions are reached in keeping with adopted city ordinances and definitions of the law. I thank you for your consideration.

Sincerely,

Christopher Koziol

Mustyler Koziól

315 S. Sherwood St.

From: ChrisTopher Kelly <chriskelly2013@icloud.com>

Sent: Thursday, December 22, 2016 10:11 AM

To: Ryan Mounce

Subject: Re: 317 & 321 S Sherwood St Group Home Update

Thank you for sending this out. Can you tell me if the limitation of 22 occupants, 100% on site parking and moratorium on day-center services will be memorialized in the lease. Also, at the meeting we discussed operating covenants in the lease that would allow the city to cancel the lease if the center breached operating covenants (broke the operating standards and became a burden to the neighborhood).

On Dec 21, 2016, at 4:14 PM, Ryan Mounce <RMounce@fcgov.com> wrote:

You are receiving this message because you attended a neighborhood meeting or provided comments for the Sherwood Group Home proposal.

Dear Neighbors,

I wanted to provide an update on the Sherwood Group Home proposal for the City-owned properties located at 317 & 321 S Sherwood Street. Earlier today, a formal development application was submitted proposing to utilize the existing structures as a group home for families transitioning out of homelessness. Within the next few days you should notice a yellow 'development proposal under review' sign at the front of the property indicating a submittal was received and that the City's review has begun.

Various City departments and some outside agencies will be reviewing project information/drawings over the coming weeks. For this type of proposal, a public hearing is required, and if the proposal is approved, separate City Council action is required for a long-term lease agreement to occupy the buildings. The timing of any future public hearing or Council meeting will depend on the review of the project --I plan to provide follow-up messages as the proposal continues through the development review process, including prior to any public hearing(s). If you own property within 800-feet of the site, you will also receive a mailed notice two weeks prior to a public hearing.

For those that attended the last neighborhood meeting in early 2016, the submitted proposal differs slightly by reducing the proposed number of group home residents from 30 to 22 and eliminating plans for day-center activities. Most other project aspects discussed at the meeting are similar, including several proposed modification of standards to Land Use Code requirements. Additional proposal details are included in the attached neighborhood meeting notes.

If you have questions or comments about the proposal, please feel free to contact me – my contact information is listed below. Comments received regarding the project as well as meeting summaries will be forwarded to the decision-maker for the project if/when a public hearing is scheduled.

Regards,

Ryan Mounce Planning Services City of Fort Collins 970.224.6186 | <u>rmounce@fcgov.com</u>

<Sherwood Group Home Meeting Notes.pdf>

From: chris koziol <koziol@cityvisions.org>
Sent: Tuesday, January 03, 2017 2:35 PM

To: Ryan Mounce

Cc: Jeff Mihelich; kwoods@cityvisions.org

Subject: Re: 317 & 321 S Sherwood St Group Home Update

Attachments: Koziol comments pdp 160044.pdf; Letters for pdp 160044 early 2016.pdf

Hi Ryan,

I hope your year is getting off to a good start. After reviewing the online documents for 317-321 S. Sherwood St., I have a few comments and questions. I am confident that these can be addressed. I've attached this letter as well as an assembly of previous correspondences. I look forward to hearing from you.

Bast wishes, Chris Koziol

From: Ryan Mounce < RMounce@fcgov.com > Date: Wednesday, December 21, 2016 at 4:14 PM Subject: 317 & 321 S Sherwood St Group Home Update

You are receiving this message because you attended a neighborhood meeting or provided comments for the Sherwood Group Home proposal.

Dear Neighbors,

I wanted to provide an update on the Sherwood Group Home proposal for the City-owned properties located at 317 & 321 S Sherwood Street. Earlier today, a formal development application was submitted proposing to utilize the existing structures as a group home for families transitioning out of homelessness. Within the next few days you should notice a yellow 'development proposal under review' sign at the front of the property indicating a submittal was received and that the City's review has begun.

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If you have questions or comments about the proposal, please feel free to contact me – my contact information is listed below. Comments received regarding the project as well as meeting summaries will be forwarded to the decision-maker for the project if/when a public hearing is scheduled.

Regards,

Ryan Mounce Planning Services Mr. Ryan Mounce City Planner City of Fort Collins rmounce@fcgov.com

re: Development application for 317-321 S. Sherwood St. (pdp160044)

Dear Mr. Mounce,

I am pleased to see that Faith Family Hospitality (FFH) is proceeding with its plans, and making an effort to anticipate and mitigate negative externalities from its worthwhile development proposal. As a long time and supportive neighbor of Crossroads Safehouse, I am confident that FFH will be an equally good neighbor. Housing for those in need is a community responsibility. I also appreciate the City of Fort Collins's desire to meet this objective and trust that issues related to language in the Land Use and Municipal Codes are being addressed. Last year, I provided input to the preliminary development proposal submitted by FFH (letters attached), and I believe that the applicant and City have been proactively addressing a variety of questions raised by neighbors. As the various departments and reviewing authorities are now reviewing the submitted Project Development Plan (PDP), I request that you share with those authorities and the decision-maker those earlier correspondences, as well as this one, in the expectation that they will want to address these in their commentaries. I anticipate that they may have differing interpretations of existing law than my own, and I would like to understand the bases for their decisions.

After reviewing the PDP documents now available online I am hopeful that the project is moving forward in a positive direction. My main concerns, which I am confident can be addressed, are:

- Number of residents in a large group home This request for a modification of standards is larger than the *absolute* maximum of 15 for an N-C-M District as listed in Table 3.8.6(B) of the City of Fort Collins Land Use Code. (While there is a provision for increased numbers in one of the table cells designated with ** [double asterisks] it is in a cell that specifically excludes N-C-M.) Additionally, I am in possession of a letter (dated May 12, 1993) from Peter Barnes to Ginny Riley of Crossroads stating that "5. Maximum number of residents, excluding supervisors, is 20." This was issued as a maximum, not an average. FFH's vague statement of "7 families (average of 3 persons per family)" can clearly result in a number of residents well above 20. (Also, although they are unclear about this, FFH is requesting an additional modification of standards regarding distance from an existing group home. The Touchstone group home is less than 700 ft. away. I do not object to this modification as I don't believe the proximity of the two facilities will have a negative impact on the neighborhood.)
- Physical site development impacts While I understand the City's desire to mandate alley paving from the property to Magnolia Street, I do question whether this investment in off-site infrastructure is actually warranted by the traffic of 6 infrequently "turned-over" residential parking spaces (which is the same as Crossroads, and never a problem then). My guess is, it is quite expensive and may not achieve a positive impact. I express this opinion partially because I think the current plan submittal for this intervention lacks historical insight and on-the-ground assessment of existing conditions. Stopping the paving at the north edge of the property will result in new and detrimental surface flows and the potential for increased ponding in the alley and nearby properties, specifically my own property at 315 S. Sherwood St.. Following the 1997 flood, I worked with City staff and consultants to help rectify what was an inadequate original

stormwater retention plan for the 1993 Crossroads addition. My wife and I granted an easement to the City (as property owner) to construct a drainage channel on our property and flowing east to Sherwood Street. (Fortunately this new design has never been empirically field tested since 1997!) My concern is that the utility, drainage and architectural landscape plans prepared for FFH do not demonstrate an understanding of the historical and topographic reality of this block as a whole. Hence, I would encourage the applicant, the City as owner, and the City as regulator to think more holistically about site design. Is alley paving the most important improvement, or can regrading contours, providing onsite detention, and enhanced landscaping (including playscapes) better serve FFH, its residents and the community as a whole? I have several plan documents that were prepared during the 1990s for Crossroads stormwater work and for 1997 post-flood gutter flowline improvements along Olive Street, and I would be willing to share these, if you no longer have your copies available. Also I would urge a field conference to see actual conditions at the alley and in the backyard. Specifically, the submitted plans by Quality Engineering LLC, seem to include inappropriate stock specifications and details, sloppy editing [e.g., the Drainage Report, Section I.B. states "The existing property is a residential building with no occupants that drains west (sic) to Sherwood Street through a drainage channel along the north property line"], and demonstrate little attention to actual flowlines and elevations on the property, in the alley right of way, and on adjacent properties.

• As an abutting neighbor, I would also like to discuss the possible removal of two "property line trees" and past problems with security lighting "spillage" into our windows.

Again, I look forward to a well thought-through and carefully designed addition to Fort Collins's variety and stock of affordable housing.

Sincerely,

Christopher Koziol, Ph.D., AIA, past-AICP

Mustyler Koziól

315 S. Sherwood Street Fort Collins, Co 80521 koziol@cityvisions.org

From: chris koziol <koziol@cityvisions.org>
Sent: Saturday, April 15, 2017 7:23 PM

To: Ryan Mounce

Cc: 'Katherine Woods (kwoods@cityvisions.org)'
Subject: Re: 317 & 321 Sherwood Group Home

Hi Ryan,

Thanks for the update. It is good to see that the engineer has redesigned the location of the crown of the alley and the permeability of the parking area. We think these are vast improvements. This said, the outcome is dependent upon careful attention to the implementation. Given that the slopes are as flat as they are the tolerances are tight, and ponding or reverse flows possible without attentive quality control in construction. We hope that there is an adequate plan for such controls and that verification is required prior to a CO. Specifically, we seek assurance that flow lines shown on the drawings match built reality. We draw your attention to the propose flow line at the far northwest corner of the site, by the head-in parking. The drawings show a 4.5% grading to the south. Please note that to achieve this, there may need to be a small retaining wall at or near the property line. Also, the drawings show a flow line that routes runoff from the south side of the southwestern most part of the 321 addition to the north and then into a swale to the northeast toward the existing drain chase that then discharges onto Sherwood St.. I question whether the shown grading actually exists. Please confirm that the flow line shown actually exists, or require that the applicant modify the grading so that it does.

We look forward to addressing and expanding the supply of much needed housing in Fort Collins and applaud Faith Family Housing and the City for your efforts.

Best.

Katherine Woods and Chris Koziol

From: Ryan Mounce < RMounce@fcgov.com>
Date: Tuesday, April 11, 2017 at 4:20 PM

To: chris koziol <koziol@cityvisions.org>, Katherine Woods <kwoods@cityvisions.org>

Subject: RE: 317 & 321 Sherwood Group Home

Chris & Katherine,

Attached are the latest drawings for the Faith Family Hospitality Group Home, including their civil set which shows an updated alley paving design. I have yet to complete an updated review yet, but I wanted to make sure you had the chance to look at the new drawings as soon as possible. In some of my last conversations with Annette, the applicant, she had indicated she wasn't interested in keeping the lighting fixtures in the backyard or along the side facing your property, and was still considering any changes to some of the trees you had mentioned as well.

If you have a chance to review these and have any additional questions or comments, or would like to talk further, please let me know. We're currently scheduled to hold another staff review meeting for the project next Wednesday and I can follow-up afterwards if there's further clarification on some of these issues and whether or not another round of review is likely before any potential public hearing.

Thanks,

Ryan Mounce
Planning Services
City of Fort Collins
970.224.6186 | rmounce@fcgov.com

From: Ryan Mounce

Sent: Thursday, April 06, 2017 8:59 AM

To: 'Chris Koziol'; Katherine Woods (kwoods@cityvisions.org)

Subject: 317 & 321Sherwood Group Home

Hi Chris & Katherine,

It's been fairly quiet recently on the group home project, but we're expecting the next submittal from the applicants this week. I should be able to share some updated information in the next week or so after engineering has had a chance to review updated alley information. I will also send an electronic copy of their updated drawings once I have access to those.

Regards,

Ryan Mounce
Planning Services
City of Fort Collins
970.224.6186 | rmounce@fcgov.com

From: Mark or Jane Bowen <mjbonthewater@yahoo.com>

Sent: Monday, May 15, 2017 1:45 PM

To: Ryan Mounce

Subject: Proposed use of 317 & 321 S. Sherwood St

As per our conversation today, we find the proposed use of 317 & 321 S. Sherwood for the Faith Family Hospitality Transitional House as acceptable.

Mark R & Jane E Bowen Property owners of 325 S. Sherwood St. Ft. Collins, CO 80521 720-270-6342

"If ever the time should come, when vain and aspiring men shall possess the highest seats in our Government, our Country will stand in need of its experienced Patriots to prevent its ruin."
Samuel Adams, *The Federalist Papers*