

RAYMORE PLANNING AND ZONING COMMISSION AGENDA

Tuesday, April 6, 2021 - 7:00 p.m.

City Hall Council Chambers 100 Municipal Circle Raymore, Missouri 64083

- 1. Call to Order
- 2. Pledge of Allegiance
- 3. Roll Call
- 4. Personal Appearances None
- 5. Consent Agenda
 - a. Approval of Minutes from March 16, 2021 meeting
- 6. Unfinished Business None
- 7. New Business
 - a. Case # 21001: South Town Storage Site Plan
- 8. City Council Report
- 9. Staff Report
- 10. Public Comment
- 11. Commission Member Comment
- 12. Adjournment

MEETING PROCEDURES

The following rules of conduct apply:

- 1. Public can only speak during the meeting under the following circumstances:
 - a. The citizen has made a formal request to the Development Services Department to make a personal appearance before the Planning Commission; or,
 - b. A public hearing has been called by the Chairman and the Chairman has asked if anyone from the public has comments on the application being considered; or
 - c. A citizen may speak under Public Comment at the end of the meeting.
- 2. If you wish to speak to the Planning Commission, please proceed to the podium and state your name and address. Spelling of your last name would be appreciated.
- 3. Please turn off (or place on silent) any pagers or cellular phones.
- 4. Please no talking on phones or with another person in the audience during the meeting.
- 5. Please no public displays, such as clapping, cheering, or comments when another person is speaking.
- 6. While you may not agree with what an individual is saying to the Planning Commission, please treat everyone with courtesy and respect during the meeting.

Every application before the Planning Commission will be reviewed as follows:

- 1. Chairman will read the case number from the agenda that is to be considered, and open the public hearing, if applicable.
- 2. Applicant will present their request to the Planning Commission.
- 3. Staff will provide a staff report.
- 4. If the application requires a public hearing, Chairman will invite anyone to speak on the request.
- 5. Chairman will close the public hearing.
- 6. Planning Commission members can discuss the request amongst themselves, ask questions of the applicant or staff, and may respond to a question asked from the public.
- 7. Planning Commission members will vote on the request.

THE **PLANNING AND ZONING COMMISSION** OF THE CITY OF RAYMORE, MISSOURI, MET IN REGULAR SESSION **TUESDAY, MARCH 16, 2021**, IN THE COUNCIL ROOM AT RAYMORE CITY HALL, 100 MUNICIPAL CIRCLE, RAYMORE, MISSOURI WITH THE FOLLOWING COMMISSION MEMBERS PRESENT: CHAIRMAN MATTHEW WIGGINS, WILLIAM FAULKNER, KELLY FIZER, JEREMY MANSUR, TOM ENGERT, JIM PETERMANN, ERIC BOWIE (arrived at 7:08 p.m.) AND MAYOR KRIS TURNBOW. ABSENT WAS MARIO URQUILLA. ALSO PRESENT WERE CITY PLANNER KATIE JARDIEU, DEVELOPMENT SERVICES DIRECTOR JIM CADORET, AND ASSISTANT CITY MANAGER MIKE EKEY.

- 1. Call to Order Chairman Wiggins called the meeting to order at 7:00 p.m.
- 2. Pledge of Allegiance
- 3. Roll Call Roll was taken and Chairman Wiggins declared a quorum present to conduct business.
- 4. Personal Appearances None
- 5. Consent Agenda
 - a. Approval of the minutes of the February 16, 2021 meeting.

Motion by Commissioner Faulkner, Seconded by Commissioner Petermann, to approve the minutes.

Vote on Motion:

Chairman Wiggins Aye Commissioner Faulkner Aye Commissioner Bowie Absent Commissioner Fizer Aye Commissioner Engert Aye Commissioner Petermann Aye Commissioner Urquilla Absent Commissioner Mansur Aye Mayor Turnbow Aye

Motion passed 7-0-0.

- 6. Unfinished Business None
- 7. New Business
 - a. Presentation on proposed Local Use Tax

Assistant City Manager Mike Ekey reviewed the details of the proposed Local Use Tax, highlighting that the Local Use Tax is a 2.5% tax added to online businesses without a physical location in Raymore that do not charge sales tax, such as Amazon, and that it could allow nearly \$1 million in additional funds to employ police officers, public works employees, and Parks & Recreation workers. Mayor Turnbow added some information to Mr. Ekey's presentation about the Local Use Tax, and the need for it to pass.

Commissioner Engert questioned what the plan B is should this vote not pass?

Mr. Ekey responded that the focus is on the Use Tax passing. There will be several months during the summer should the tax not pass where the budget will be reviewed

and necessary changes can be made. Mayor Turnbow added that if the Use Tax does not pass, the City will have to look at what other infrastructure areas can be cut back on to be able to add necessary personnel, such as police officers and public works personnel.

Commissioner Bowie had a few questions.

Q - Why does the presentation include the need to grow an already satisfactory department?

Mr. Ekey responded that while we already have a high satisfaction level, the projected growth of Raymore will outpace the staff the City currently has. The Use Tax will ensure that the level of satisfaction of Raymore residents is maintained, and the added personnel employed from the Use Tax will help to get ahead of the downward satisfaction curve if the staff were not added soon enough. The Use Tax will also help to make sure that there will not be service cuts, and the city staff will be able to keep up with the growth of the city.

Q - What is the projected growth numbers that would spur the need for this to pass? City Planner Katie Jardieu stated that the growth has been conservatively projected at 1.8% per year.

b. Review of Completed Projects

City Planner Katie Jardieu presented an overview of the staff report submitted to the Commission.

- i. Raymore Activity Center Site plan approved on November 15, 2016
 - **Q** What aspects of the design do you like or dislike? Would you like to see design elements from this design, as well as Centerview, in other Parks projects as an element of continuity?
 - a. After discussion amongst the Commissioners, the general consensus is that the Raymore Activity Center (RAC) should have the sidewalks completed per the approved plan, and should have beautification measures completed once the next building phase is complete. The Commissioners like the wood elements of the building, as well as the continuity between the RAC and Centerview, and encourage the use of these design elements in future Parks projects.
- ii. Brightside Children's Center Expansion Site plan approved on May 15, 2018 **Q** Does this give the intended architectural relief? Do the different material

Q - Does this give the intended architectural relief? Do the different material types help achieve the design where there isn't relief?

- a. After discussion amongst the Commissioners, the general consensus is that the project expansion is architecturally the same as the plan drawings, and the different design elements and roof detailing give the impression of architectural relief. The Commissioners also agreed that the distance from the road was well planned for the facility, and that the building design maintains the architecture of the neighboring buildings nicely.
- iii. Discover Vision Center Site plan approved on July 18, 2017
 - Q Do you like the mix of materials to help achieve the 4-sided design?
 - a. The Commissioners discussed a few topics for this project. They agreed that the building has a modern exterior, and that it is appealing and fits in with the other buildings around it, especially the shopping strip at 58 Hwy and Dean Ave. The Commissioners also like how close the building is to 58 Hwy, and the trees planted around the trash dumpster area, as long as they continue to maintain the landscaping. Commissioner Bowie feels

that the entrance is somewhat odd, but overall agrees with the general consensus.

- iv. American Self Storage Site plan approved on August 15, 2017
 - **Q** Does the landscaping around the monument sign achieve the necessary result? Is landscaping at the monument base something the City of Raymore should continue to require?
 - a. The general consensus by the Commissioners for this project is that the main building is too close to 58 Hwy, and the monument sign is insignificant and will be overgrown by the landscaping that has been planted around it unless maintained appropriately. They feel that the building architecture is too industrial and that the homeowners on each side of the property have cause to be unhappy with the tree removal/replanting along the east and west sides.
- v. Schlotzsky's Site plan review by Commission not required
 - **Q** Should the City require plan review when commercial or industrial sites have a change of use and/or when exterior changes are made to the building? What should the threshold be for Site Plan review while still remaining flexible to encourage development?
 - a. Ms. Jardieu explained that Development Services staff maintain a right to approve designs with a less than 10% change to the building. After reviewing, a few Commissioners came to a conclusion that this building should have been brought to the Commission, as they feel that more than 10% of the building has been changed. The rest of the Commissioners did not feel that the building needed to have gone through Plan Review, although they questioned how much change is allowed within the 10% guideline. The commissioners agreed that the building is appealing looking, and that the transition was done well, but that in the future, the change in use of the building (ex., from a restaurant into a clothing retailer) should be taken into consideration when deciding to submit plans to Plan Review.
- vi. Compass Health Site plan approved on December 17, 2019
 - **Q** What aspects of the design are successful? Are there aspects to be improved?
 - a. After discussion, the Commissioners agreed that the building fulfilled the plan, although Commissioner Wiggins stated that he would have liked to see the original plan completed and the pond on the property.

8. City Council Report

Development Services Director Jim Cadoret stated that there have been two meetings of Council since the Commission last met. The February 22nd agenda was very short, with no development items included. The March 8th meeting had one item of new business. The Planning Commission had given a favorable recommendation for the Alexander Creek phase 4 preliminary plat, and on March 8th, Council accepted the recommendation and unanimously approved the preliminary plat. They have started sitework, and will be required to come back to the Commission and Council for the final plat.

9. Staff Report

Ms. Jardieu stated that the single family homes are keeping in stride with last year. Scooter's Coffee is beginning to train employees and should be opening in around a week or so. The April 6th meeting has gotten two applications: Parkside - first phase final plat, and South Town Storage site plan review. April 12th is when Parkside will go before the City Council. There has been a plan submitted for part of the Carroll property on the What's Happening app. The Venue at the Good Ranch is continuing to

be reviewed, a final plat is still needed, but they are moving forward. The Sunset Plaza townhouses should be coming soon, they have to wait until April, but should be moving forward fairly quickly.

10. Public Comment

No public comment.

11. Commission Member Comment

Commissioner Bowie appreciates the information, no other comments or questions.

Commissioner Engert thanked the city staff, and will be encouraging voters on the Use Tax.

Commissioner Petermann had no comments this evening.

Commissioner Fizer enjoyed the Community Conversation a few weeks ago, and it's a good opportunity for people to speak their opinions.

Commissioner Faulkner thanked everyone, and informed everyone that Judy Goff has passed away, and shared a bit of history of her time with the City Council.

Commissioner Mansur thanked Mr. Ekey for the presentation for the Use Tax, thanked Ms. Jardieu, and city staff.

Chairman Wiggins thanked city staff, and stated that he enjoys this type of exercise to talk about finished projects.

Mayor Turnbow had no comments this evening.

12. Adjournment

Motion by Commissioner Mansur, Seconded by Commissioner Petermann, to adjourn the March 16, 2021 Planning and Zoning Commission meeting.

Vote on Motion:

Chairman Wiggins Aye Commissioner Faulkner Ave Commissioner Bowie Aye Commissioner Fizer Aye Commissioner Petermann Aye Commissioner Engert Ave Commissioner Urquilla Absent Commissioner Mansur Aye Mayor Turnbow Aye

Motion passed 8-0-0.

The March 16, 2021 meeting adjourned at 8:19 p.m.

Respectfully submitted,

Emily Jordan



To: Planning and Zoning Commission

From: Katie Jardieu, City Planner

Date: April 6, 2021

Re: Case #21001 South Town Storage Site Plan

GENERAL INFORMATION

Applicant/ Bill Breit

Property Owner: South Town Storage, LLC

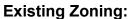
P.O Box 107

Raymore, MO 64083

Requested Action: Site Plan approval for South Town Storage

Property Location: South side of Hwy 58 adjacent to Brightside Day Care.





M-1 Light Industrial District



Existing Surrounding Uses: North: M-1, C-2

South: M-1 East: M-1 West: M-1

Total Tract Size: 4.50 Acres

Growth Management Plan: The Future Land Use Plan Map contained in the Growth Management Plan identifies this property as appropriate for Light Industrial development.

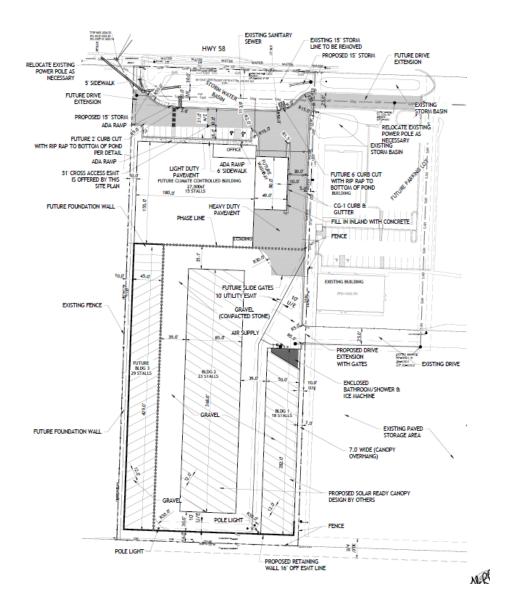
Major Street Plan: The Major Thoroughfare Plan Map contained in the Growth Management Plan identifies Hwy 58/E Walnut Street as a major arterial road.

Advertisement: City Ordinance does not require advertisement for Site Plans.

Public Hearing: City Ordinance does not require a public hearing for Site Plans.

PROPOSAL

<u>Outline of Requested Action:</u> The applicant seeks to obtain site plan approval for Phase 1 and Phase 2 of a site plan that includes 3 open air vehicle storage buildings. The buildings in Phase 1 include 70 stalls with an onsite enclosed bathroom, shower and ice machine.



SITE PLAN REQUIREMENTS AND STANDARDS

In order for the applicant to accomplish the aforementioned action, they must meet the provisions of the Unified Development Code. Chapter 470 of the Unified Development Code outlines the requirements and actions that need to be taken in order to site plan property, specifically Section 470.160.

Section 470.160 Site Plan Review

A. Purpose

The City of Raymore recognizes that the nature of land development creates the potential for traffic congestion, overcrowding, adverse visual and environmental impacts, and health problems. The City strives to promote growth in Raymore while stabilizing the established residential character of the area. Site plan review regulates the development of structures and sites in a manner that takes into consideration the following considerations:

- 1. the balancing of landowners' rights to use their land, with the corresponding rights of neighboring landowners, residents and the general public, to live without undue disturbances (e.g., noise, smoke, vibration, fumes, dust, odor, glare, stormwater runoff, etc.);
- 2. the convenience and safety of vehicular and pedestrian movement within the site and in relation to adjacent areas or roads;
- 3. the adequacy of waste disposal methods and protection from pollution of surface or groundwater;
- 4. the protection of historic and environmental features on the site under review and in adjacent areas;
- 5. the stability of the built environment, particularly residential neighborhoods, by promoting urban development which is compatible with clearly identified natural resources; and
- 6. the adequacy of provisions for resulting additional system demands which may be imposed by the development upon roads and streets, water supply and storage, storm sewerage, sanitary sewerage and wastewater treatment and the consistency of the development with the City's Growth Management Plan.

B. Applicability

- 1. All applications for building permits for developments in the multi-family, commercial and industrial zoning districts are subject to site plan review in accordance with this section. All nonresidential uses in residential districts require site plan review.
- 2. No building permit will be issued without being granted site plan approval when it is required by this subsection.

C. Application

Applications for site plan review may be obtained from the Community Development Director. The application must be completed in its entirety in accordance with Section 470.010C and filed with the Community Development Director. The applicant must submit copies in accordance with the submission schedule regularly adopted by the Planning and Zoning Commission.

D. Procedure

- 1. Community Development Director Action
 - a. All site plans will be reviewed by the Community Development Director.

- b. The Community Development Director has the authority to take final action (approve, conditionally approve or deny) on applications for:
 - (1) developments that have an approved site plan on file where the application proposes to expand the existing use by less than 10 percent or 5,000 square feet, whichever is less; or
 - developments that have an approved site plan on file where the application proposes to modify signage, parking, landscaping or other minor feature and the proposed modifications will be in compliance with all requirements of this Code.
- c. The Community Development Director must complete the review within 20 days of receiving a complete application.

2. Planning and Zoning Commission Action

With the exception of those cases identified in paragraph 1 above, all other applications for site plan review will be reviewed by the Community Development Director, and forwarded to the Planning and Zoning Commission for review and action. The Commission has the authority to take final action, and may approve, approve with conditions or disapprove the application.

3. Conditions of Approval

In approving a site plan, the Planning and Zoning Commission or, when applicable the Community Development Director may impose reasonable conditions, safeguards and restrictions upon the applicant and the premises.

E. Findings of Fact

- 1. In order to be approved, the Community Development Director or Planning and Zoning Commission must find that the following conditions are met:
 - a. the plan complies with all applicable standards of this code and all other applicable City ordinances and policies;
 - b. the plan does not conflict with the adopted plans of the City of Raymore or the purpose and intent of this code:
 - c. the proposed use is allowed in the district in which it is located:
 - vehicular ingress and egress to and from the site, and circulation within the site
 provides provides for safe, efficient, and convenient movement not only within the site
 but also on adjacent roadways;
 - e. the plan provides for safe, efficient, and convenient movement of pedestrians on and to the site:
 - f. the arrangement of structures and buildings on the site allows for efficient use of the land, is compatible with development on adjacent property, and minimizes potential adverse impacts on existing or planned municipal infrastructure and services;
 - open space and natural features on the site are arranged in such a way that unique natural resources are preserved and creates a desirable and functional environment for site users;
 - h. the plan avoids unnecessary or unreasonable alterations to existing topography, preserves existing healthy, mature trees and woodlands, and designs drainage facilities to promote the use and preservation of natural watercourses:
 - i. provides adequate parking for the use, including logical and safe parking and circulation;

- j. provides landscaping and screening as required by this code that creates logical transitions to adjoining uses, screens incompatible uses, minimizes the visual impact of the development on adjacent roads and properties, and utilizes native plant materials selected to withstand the local climate and individual site microclimates; and
- k. includes site illumination that has been designed and located to minimize adverse impacts on adjacent properties.

F. Effect of Approval

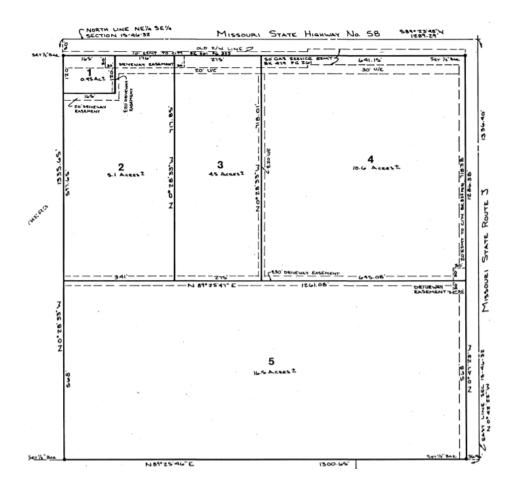
If the Planning and Zoning Commission or, when applicable, the Community Development Director approves a site plan, it will be considered permission to prepare and submit a building permit application that complies with the approved site plan and conditions of approval.

G. Appeals

- 1. The applicant may appeal the decision of the Community Development Director to the Planning and Zoning Commission.
 - a. The applicant must notify the Community Development Director of their intent to appeal within 10 days of the date of decision from the Community Development Director.
 - b. The Community Development Director will schedule the appeal for the next regularly scheduled Planning and Zoning Commission meeting which is no sooner than 15 days from the date the intent to appeal was filed.
 - c. The applicant must provide an additional 15 review copies of the drawings and the additional required fee along with the intent to appeal.
- 2. The applicant may appeal the decision of the Planning and Zoning Commission to the City Council.
 - a. The applicant must notify the Community Development Director of their intent to appeal, in writing, within 10 days of the date of the Planning and Zoning Commission meeting when the application was considered.
 - b. The Community Development Director will schedule the appeal for the next regularly scheduled City Council meeting provided it is at least 15 days from the date the intent to appeal was filed.
 - c. The applicant will provide an additional 15 review copies of the drawings along with the intent to appeal.

PREVIOUS ACTIONS ON THE PROPERTY

- 1. The property has been zoned M-1 "Light Industrial" district since 1990.
- A site plan for an expansion of Brightside Day Care, including an additional two buildings was approved in May 2018. As of April 2021, only one additional building has been constructed.
- 3. The proposed facility is to be located on Lot 3 of the Bush Industrial Complex, which was originally platted in 1992.



ENGINEERING DIVISION COMMENTS

The Engineering Division of Public Works has reviewed the application and determined that it complies with all of the applicable requirements of City Code.

STAFF COMMENTS

 Development Standards: The current bulk and dimensional standards for the "M-1" Light Industrial District zoning classification for the property is provided below.

	M-1
Minimum Lot Area	none
per lot	-
per dwelling unit	-
Minimum Lot Width (feet)	200
Minimum Lot Depth (feet)	200
Yards, Minimum (feet)	
front	30

rear	20
side	10
side, abutting residential district	20
Maximum Building Height (feet)	80
Maximum Building Coverage (%)	50

The property and proposed building comply with the M-1 district development standards.

2. Parking: The minimum parking standards for the use allowed within the proposed development is as follows:

Use	Minimum Parking Spaces Required
INDUSTRIAL USES	
Mini Warehouse	1 per 1000 square feet of non-office floor area
	plus 1 per 300 square feet of office area

Section 425.020 Off-Street Parking Requirements

B. 5. Uses Not Listed

In the case of buildings or uses not mentioned in this chapter, the Development Services Director must determine which standard is most appropriate. The Development Services Director may require the applicant to submit a parking study or other evidence to help determine the most appropriate parking standard for the proposed use.

The first phase of this site plan does not include an office building. Staff has determined that there is adequate space between buildings, which are open units to allow pull-through of vehicles, to allow for parking while items are unloaded and stored. Similar storage facilities, with no office space, have not been required to accommodate parking in their site plan. Therefore no parking is deemed necessary with this phase of the site plan.

3. Landscaping

Twenty percent (20%) of the site is required to be reserved for landscaped area. A landscaped area a minimum of six feet (6') in width shall be provided along each street frontage and along all perimeter property lines.

As part of Phase 1, the minimum six-foot (6') landscaped area is provided along Hwy 58 and the west property line as open space. There is also a 15-foot landscaped area along the rear property line. Future phases will keep the area along Hwy 58 as a stormwater basin allowing for grass and potential plantings as well. The west property line has a foundation wall along the property line in lieu of perimeter landscaping. Those areas and necessary landscaping improvements will be considered in the future phases.

Since no interior parking is required for Phase 1, no interior parking lot landscaping or trees are necessary.

The proposed landscape plan, as part of Phase 1 of the site plan complies with the landscaping requirements of the UDC. Future phases will need to be addressed as part of a site plan or site plan amendment.

4. Building Design:

The proposed development must comply with the building design standards contained in Section 440.010 of the UDC.

Section 440.010 Building Design Standards

- C. Building Materials
 - 1. Masonry Construction

A minimum of 50 percent of the front and side facades shall consist of materials described by this sub-section.

- a. Masonry construction shall include all masonry construction which is composed of solid, cavity, faced or veneered-wall construction, or similar materials approved by the Planning and Zoning Commission.
- Stone materials used for masonry construction may consist of granite, sandstone, slate, limestone, marble or other hard and durable all-weather stone.
 Ashlar, cut stone and dimensioned stone construction techniques are acceptable.
- c. Brick material used for masonry construction shall be composed of hard-fired (kiln-fired), all weather common brick or other all-weather common brick or all-weather-facing brick.
- d. Concrete finish or precast concrete panel (tilt wall) construction shall be exposed or aggregate, hammered, sandblasted or other finish as approved by the Planning and Zoning Commission.
- e. Stucco or approved gypsum concrete/plaster materials are also permitted.

2. Glass Walls

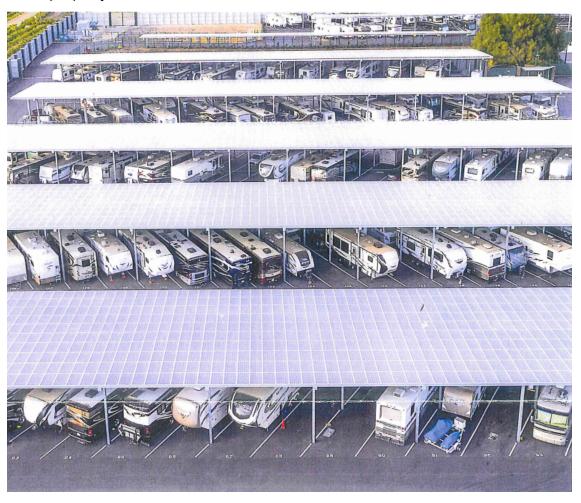
Glass walls shall include glass-curtain walls or glass-block construction. A glass-curtain wall shall be defined as an exterior wall which carries no floor or roof loads and which may consist of a combination of metal, glass and other surfacing materials supported in a metal frame.

3. Metal Walls

- a. The use of metal siding is permitted only in industrial districts and only for side and rear façades. The materials used on the front façade shall be incorporated into any façade visible from a public street to break up the monotony of those facades.
- b. The use of corrugated panels, with a depth of less than three-quarter inch or a thickness less than U.S. Standard 26 gauge is prohibited.
- c. The use of unpainted metal panels, excluding panels made from copper, weathering steel, or stainless steel, is prohibited. The color finish of metal panels and exposed fasteners shall have extended durability with high resistance to fade and chalk.

d. Corrugated metal facades shall be complemented with masonry, brick, stone, stucco or split-face block. Architectural metal panels may be an acceptable substitute for masonry. Appropriate landscaping shall be used to complement and enhance a building's design, color and material.

Phase 1 includes open air storage buildings, with minimal facade facing, in the rear of the property.



The Phase 2 climate controlled building will be required to meet the architectural design standards. A site plan amendment will be required with compliant building elevations for Planning Commission approval.

5. Pedestrian Access:

The first Phase of the site plan is at least 228.9 feet from Hwy 58. It is not feasible to construct a pedestrian path of this length. Phase 1 also does not contain an office and therefore a pedestrian path is not needed. Phase 2 does include a pedestrian connection to the existing sidewalk along 58 Highway.

6. Signage:

No signs are being proposed with this plan. Any sign approvals are done through a sign permit application as a separate submittal and application.

7. Fire District Review:

The site plan was reviewed by the South Metropolitan Fire Protection District.

The Fire District requires the issuance of a building permit separate from the building permit issued by the City of Raymore.

9. Stormwater Management:

Stormwater runoff is collected onsite in a dry pond, located within an existing sanitary sewer easement. Water is then treated and will be discharged to the existing Hwy 58 catch basin which is of adequate size to handle flow.

10. Site Lighting:

Lighting is proposed to aid in security onsite. A photometric plan was submitted with the site plan, and complies with UDC requirements.

11. Trash/Recycling Enclosure:

No trash enclosure is proposed for Phase 1.

12. Screening of Mechanical Equipment:

All electrical and mechanical equipment located on the property shall be screened from view from adjacent properties and any adjacent street. Accessory utility facilities that are in excess of 3 $\frac{1}{2}$ feet shall be screened. This requirement will be monitored when the equipment is installed to determine the applicability of the requirement.

13. Wetlands

No wetlands are on site.

14. Site Access:

Access to the site, for Phase 1, will be provided off of the private access drive that exists on the southern portion of the site, off of J Highway.

15. Off-site Improvements: None

16. Gasline Easement

There is an existing gas line that crosses through the northern portion of the site. While the dry detention pond overlays the utility easement, there is sufficient coverage to protect utility lines, which is permissible under the terms of the easement.

STAFF PROPOSED FINDINGS OF FACT

Section 470.160 of the Unified Development Code states that the Planning and Zoning Commission must make findings of fact taking into consideration the following:

a. the plan complies with all applicable standards of this code and all other applicable City ordinances and policies;

The site plan does comply with all applicable standards of the Unified Development Code and all other applicable City ordinances and policies.

b. the plan does not conflict with the adopted plans of the City of Raymore or the purpose and intent of this code;

The site plan does not conflict with any of the adopted master plans of the City or the purpose and intent of the Unified Development Code.

c. the proposed use is allowed in the district in which it is located;

The proposed use(s) are allowed within the existing "M-1" Light Industrial District.

 vehicular ingress and egress to and from the site, and circulation within the site provides for safe, efficient, and convenient movement not only within the site but also on adjacent roadways;

Vehicular ingress and egress to and from the site and circulation within the site provides for safe, efficient and convenient movement of vehicles.

e. the plan provides for safe, efficient, and convenient movement of pedestrians on and to the site;

The width of drive lanes allows for the safe movement of pedestrians as they load and unload. No sidewalk connection is necessary during Phase 1. Phase 2 includes a sidewalk connection with the existing sidewalk along 58 Highway.

f. the arrangement of structures and buildings on the site allows for efficient use of the land, is compatible with development on adjacent property, and

minimizes potential adverse impacts on existing or planned municipal infrastructure and services;

The placement of the building on the site does allow for efficient use of the land and minimizes potential adverse impacts on existing and planned municipal infrastructure and services.

g. open space and natural features on the site are arranged in such a way that unique natural resources are preserved and creates a desirable and functional environment for site users;

Open space is provided where the utility easement is located along the northern property line.

h. the plan avoids unnecessary or unreasonable alterations to existing topography, preserves existing healthy, mature trees and woodlands, and designs drainage facilities to promote the use and preservation of natural watercourses;

The site plan avoids unnecessary alterations to the site. There is minimal site grading necessary to develop the property.

i. provides adequate parking for the use, including logical and safe parking and circulation;

Parking for the vehicle storage area of the site is not necessary, however circulation through the site is well planned and allows for loading and unloading as needed. Adequate parking has been provided for the future Phase 2 indoor climate controlled storage area.

j. provides landscaping and screening as required by this code that creates logical transitions to adjoining uses, screens incompatible uses, minimizes the visual impact of the development on adjacent roads and properties, and utilizes native plant materials selected to withstand the local climate and individual site microclimates; and

Adequate landscaping is provided for the site. No street trees are required as part of Phase 1. The landscape plan does illustrate street trees as part of Phase 2.

k. includes site illumination that has been designed and located to minimize adverse impacts on adjacent properties.

Appropriate lighting that complies with requirements has been provided.

REVIEW OF INFORMATION AND SCHEDULE

Action Site Plan Review <u>Planning Commission</u> April 6, 2021

STAFF RECOMMENDATION

Staff recommends the Planning and Zoning Commision then accept the staff proposed findings of fact and approve Case #21001 South Town Storage Site Plan subject to the following conditions:

Prior to commencement of any land disturbance activities:

- State of Missouri and City of Raymore land disturbance permits shall be obtained prior to the commencement of any site grading or land disturbance activities.
- 2. All erosion control measures identified on the site disturbance plan and required by the land disturbance permit must be installed prior to grading and these measures must be maintained until the requirements of the SWPPP are satisfied.

Prior to issuance of a Building Permit

- 3. Building construction plans shall be approved by the Building Official.
- 4. Building elevations must be approved by the Planning and Zoning Commission as part of a site plan amendment prior to issuance of a building permit as part of Phase 2.

Prior to issuance of a Certificate of Occupancy:

- 5. A shared, east-west, drive connection must be completed prior to the Certificate of Occupancy of Phase 2. The connection is the responsibility of the land owner and starts where the drive connection ends on the adjacent property to the East and must continue to the West at the property line.
- 6. All accessible parking spaces must be identified by signs complying with the Manual of Uniform Traffic Control Devices and the Department of Justice, Code of Federal Regulation 28 CFR Part 36, ADA Standards for Accessible Design. The sign must be vertically mounted on a post or wall no more than five feet from the space and centered on the width of the space.
- 7. Van accessible parking spaces shall be served by an access aisle a minimum of ninety-six inches wide and shall be designated "lift van accessible only" with signs that meet the requirements of the federal Americans with Disabilities Act.
- 8. If the electrical transformer box and any other accessory utility facility is taller than three and one-half feet or covers more than twenty-five square feet in

- area then it must be screened in accordance with Section 420.040D of the Unified Development Code.
- 9. Exterior utility connections to the building shall be screened.
- 10. All work shall be completed in accordance with the site plan approved by the Planning and Zoning Commission.

Perpetual Conditions:

- 11. Prior to removing erosion control measures at the conclusion of the project, the contractor must obtain concurrence from the City.
- 12. A signed copy of the weekly and post rain event erosion control inspection reports shall be submitted to the City upon completion of each report.
- 13. Owner must immediately notify City staff of any illicit discharge that enters or has the potential to enter the storm sewer system.

ABBREVIATIONS

= ACRES = RIIII DING = BUILDING = BOTTOM OF BANK = BACK OF CURB = BOTTOM OF WALL CB C.F. CM CMP = CATCH BASIN = CUBIC FEET = CONCRETE MONUMENT

= CORRUGATED METAL PIPE CN CO DIA, Ø = CURVE NUMBER = CLEANOUT = DIAMETER = DLICTILE IRON PIPE = EXISTING GRADE = ELEVATION

= FASEMENT = FXISTING = FLARED END SECTION = FINISHED GRADE = FINISHED FLOOR

= FLOW LINE = FORCE MAIN = FACE OF CURB = HIGH DENSITY POLYETHYLENE = INVFRT IPF IPS LAT = IRON PIPE FOUND = IRON PIPE SET

= LATERAL = LINEAR FEET = MAXIMUM = MINIMUM MH NTS OC PL PR = MANHOLF = PROPERTY LINE = PROPERTY LINE
= PROPOSED
= POLY-VINYL CHLORIDE
= REINFORCED CONCRETE PIPE = RIGHT-OF-WAY SAN = SANITARY

= SQUARE FEET = SANITARY SEWER = SANTART SEW = STATION = SIDEWALK = TOP OF CURB = TOP ELEVATION = TOP OF BANK = TEST PIT = TYPICAL = TOP OF WALL

SOUTH TOWN STORAGE, LLC PHASE I & II

A PROPOSED SITE PLAN IN THE CITY OF RAYMORE, CASS COUNTY, MISSOURI

PLANS & SPECIFICATIONS



UTILITIES INVOLVED

AT&T	816-275-1640
Kansas City Power & Light	816-471-5275
KCPL Business Office	816-221-2323
Southern Star Central Gas	913-310-7615
Comcast	866-771-2281
Spire	816-537-4681
Raymore Engineering Department.	816-331-1852
Missouri One Call	1-800-Dig-Rit
Water/Sanitary City of Raymore	816-331-237

THE PURPOSE OF THESE PLANS IS TO DETAIL THE PROPOSED SITE IMPROVEMENTS NECESSARY TO CONSTRUCT 2 SOLAR READY CANOPY'S FOR RV STORAGE, ONE COVERED RV STORAGE BUILDING, A CLIMATE CONTROLLED STORAGE BUILDING AND A DRIVE THRU CAR WASH. THE ARCHITECTURAL DESIGN OF THESE IS BY OTHERS.

LEGAL DESCRIPTION: LOT 3, BUSH INDUSTRIAL PARK, A SUBDIVISION IN RAYMORE, CASS COUNTY, MISSOURI, ACCORDING TO THE RECORDED PLAT

THEREOF, OF RECORD IN PLAT BOOK 12 AT PAGE 193

= CROSS SECTION

A CROSS ACCESS DEDICATION IS OFFERED BY THIS SITE PLAN FOR ACCESS TO ADJACENT PROPERTIES

ACCESS WAYS WITHIN THIS SITE PLAN ARE TO BE PRIVATE AND ARE TO BE CONSTRUCTED IN ACCORDANCE WITH

CONTOUR ELEVATIONS BASED ON NORTH AMERICAN DATUM OF 1983 (NAD83)

LOCATION AND SIZE OF STORMWATER FACILITIES IS AS SHOWN

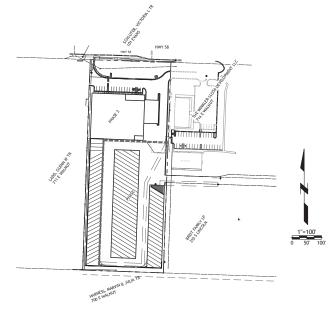
NOTES:

1. SANITARY SEWER LOCATION WITH RELATION TO THE WATER MAINS A. SANITARY SEWER SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAINS. THE

A SAMI MAY SEWEL SHALL BOUND AT DOES TO FEE THEMCORNICE. FROM ANY EXPLINED THE OF PROPOSED WATER MAINS. THE SAMITARY SEWER CROSSING WATER MAINS SHALL BE LIGHT OF PROVIDE A MINIMUM VERTICAL DISTANCE OF IS BIGHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SANITARY SEWER. THIS SHALL BE THE CASE WHERE THE WATER MAIN IS EITHER ADOVE OR BELOW THE SANITARY SEWER. THE CROSSING SHALL BE ARRANGED SO THAT THE SANITARY SEWER JOINTS WILL BE EQUIDISTANCE AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS. WHERE A WATER MAIN CROSSES UNDERS ASAMTARY SEWER, AREQUAITS TSTRUCTURAL SUPPORT SHALL BE REPORTED. SANITARY SEWER TO PREVENT DAMAGE TO THE WATER MAIN.

C. WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATION AS STIPULATED ABOVE. CONCRETE C. WHEN IT IS IMPOSSIBLE TO OBLIAIN PROPER HORIZONI AL AND VENTICAL SEPARATION AS STIPULATED ARE BENCASEMBRY SHALL BE REQUIRED TO BE INSTALLED ANNIMUM OF 5 FEET EACH. D. NO WATER PIPE SHALL PASS THROUGHT OR COME IN CONTACT WITH ANY PART OF A SEVER MANHOLE. D. NO WATER PIPE SHALL PASS THROUGHT OR COME IN CONTACT WITH ANY PART OF A SEVER MANHOLE.

2. CONTRACTOR TO FIFLD VERIFY ALL EXISTING FEATURES PRIOR TO CONSTRUCTION



1. THE PERIMETER SURVEY AND TOPOGRAPHIC SURVEY SHOWN ON THIS SITE PLAN WAS TAKEN FROM A PERIMETER SURVEY PREPARED BY MIKE HUFFMAN DATED FEBRUARY 19, 2020 AND SEALED BY MO PLS

2. ACCORDING TO FIRM PANEL 29037C0037F, DATED JANUARY 1, 2013, THE PROPERTY IS LOCATED

IN FLOOD ZONE X. "AREA OF MINIMAL FLOOD HAZARD"

FRONT 30', REAR 20', SIDE 10' MAXIMUM HEIGHT 80'

4. PUBLIC WATER TO BE PROVIDED BY CITY OF RAYMORE.

5. PUBLIC SANITARY SEWER TO BE PROVIDED BY THE CITY OF RAYMORE.

6. EXISTING UTILITIES SHOWN ARE BASED UPON THE BEST AVAILABLE CALL MO ONE CALL 800-DIG-RITE PRIOR TO ANY EARTH DISTURBING ACTIVITIES

7. TOTAL STORAGE SPACED PROPOSED: 77 BUS STALLS

8. ALL PROPOSED LIGHTING WILL BE IN ACCORDANCE WITH SITE LIGHTING PLAN

9. OUTDOOR TRASH STORAGE IS NOT PROPOSED. IF AN OUTDOOR TRASH CONTAINERS ARE ADDED IT WILL BE ENCLOSED ON THREE SIDES.

10. THERE ARE NO KNOWN ENVIRONMENTALLY SENSITIVE LANDS ON-SITE OR 10. HERE ARE NO NOWNE ENVIRONMENT ALLT SENSITIVE LANDS ON-SITE OR WITHIN FIVE HUNDRED (500) FEET OF THE SITE INCLUDING BUT NOT LIMITED TO WETLANDS, HABITAT AREAS, HILLSIDES, STEEP SLOPES, LAKES, TREED OR FORESTED AREAS, BROWNFIELD SITES AND STREAMS AND STREAM CORRIDORS WHICH COULD BE AFFECTED BY THIS DEVELOPMENT.

11. A TRAFFIC MEMO WAS PREPARED BY KELLER ENGINEERING DATED 3-8-21

I HEREBY CERTIFY THAT I AM THE LEGAL REPRESENTATIVE OWNER OF THE PROPERTY SHOWN ON THIS PLAN, THAT THE PLAN WAS MADE AT MY DIRECTION, THAT I ACKNOWLEDGE THE SAME TO BE MY ACT, AND DESIRE THE PLAN TO BE DEVELOPED IN ACCORDANCE WITH ALL APPLICABLE LAWS AND REGULATIONS.

ENGINEER'S CERTIFICATION

I, THOMAS R. BARTOSIEWICZ, P.E. HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF MISSOURI, AND THAT THE INFORMATION SHOWN HEREON HAS BEEN PREPARED UNDER MY SUPERVISION AND TO THE SEST OF MY KNOWLEDGE AND BELIFF REPRESENTS GOOD ENGINEERING PRACTICES AS REQUIRED BY THE APPLICABLE LAWS OF THE STATE OF MISSOURI.

THOMAS R BARTOSIFWICZ P.F.

BASIS OF BEARINGS:

MISSOURI COORDINATE SYSTEM OF 1983 WEST

CLIMATE CONTROLLED STORAGE

OFFICE 1,300sf LOADING AREA 450sf CLIMATE CONTROLLED STORAGE 26,850sf TOTAL = 27,900sf

FOXWOOD DR PROJECT LOCATION HWY 58 LUCY WEBB RD

SECTION MAP

SEC. 15 TW. 46 RNG. 32

INDEX OF SHEETS

- LITH ITY PLAN
- OVERALL GRADING PLAN PHASE 1 GRADING PLAN
- EROSION CONTROL PLAN EROSION DETAILS
- DETAILS
- DETAILS LANDSCAPE PLAN

DEVELOPER:

SOUTH TOWN STORAGE, LLC P.O. BOX 107 RAYMORE, MO 64083

SURVEYOR

HUFFMAN & ASSOCIATES 16112 SLATER AVE BELTON, MO 64012 (816) 322-4544

ENGINEER

SITE ENGINEERING CONSULTANTS, LLC 5251 W116th PL, SUITE 200, LEAWOOD KANSAS 66211 (913) 515-7209

ITE Cede	New Land Use	Size	Averag Tr	e Daily ps	AM Peak Hour Trips					PM Pe	ak Hour Tr	ips				
			Rate	Total	Rate	% In	In	% Out	Oκ	Total	Rate	% in	ln	% Out	Out	Total
151	Storage (canopy)	45.4 KSF	1.51	69	0.10	60%	э	40%	2	5	0.17	47%	4	53%	4	8
150	Storage (climate controlled)	27.9 KSF	1.74	49	0.17	77%	4	23%	1	5	0.19	27%	1	73%	4	5
948	Car Wash	3.2 K8F		230		50%	12	50%	15	24	14.20	50%	23	50%	23	46
	Subtotal			348			19		15	34			28		31	59
	20% Internal Capture			-70			4		-3	-7			-6		-6	-12
	Total			278			15		12	27			22		25	47

COVER SHEET (PHASE 1 & 2) PROJECT:

SOUTH TOWN STORAGE, LLC SOUTH TOWN STORAGE LLC

COUNTY PIN NO.: 04-05-15-400-000-001.004 SEC.15 TWP46, RNG32

COUNTY: CASS CO

OF SITE ENG	INEERING CO	GN SHOWN ARE THE EXCLUSI INSULTANTS, LLC; AND SHALL HOUT WRITTEN APPROVAL.		6		INEERING*SER	
						ENGINE	
				3	PROFESSIO	ONAL ENGINEERING	COMPANY
				5251 W1	16th PL, SUITE	200, LEAWOOD, * FAX (816) 76 LOGY*YESTERDAY'S	KANSAS 6621 0-2379
3-26-21		CITY COMMENTS	TB	"TÒ	DAÝ'S TECHNOI	LOGY*YESTERDAY'S	QUALITY"
DATE		REVISION	CHKD.				
DRAWN BY:	GO	CHECKED BY: TRB	DATE	3-1-21	SCALE: 1"=40"	PROJECT No.: 0059	SHEET No.: 1

IOTE:

THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR
CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN
COMPLANCE WITH THE OCCUPATIONAL SAFETY, AND HEALTH ACT OF
970 AND ALL RULES AND REGULATIONS THERETO APPURTENANT.

HIS PLAN AND THE DESIGN SHOWN ARE THE EXCLUSIVE PROPERTY OF TE ENGINEERING CONSULTANTS, LLC AND SHALL NOT BE ALTERED O OPIED WITHOUT WRITTEN APPROVAL.

EXCAVATION

1. EXCAVATION SHALL CONSIST OF THE REMOVAL AND FINAL DISPOSAL, AS FURTHER SPECIFIED, OF ALL MATERIALS SIXEPT THOSE SPECIFIED UNDER CLEARING AND GRUBBING AND TRENCH DECLAVATION TAXING THE PROBABILITY AND THE CONTINUE TO THE WORK OF CONTINUED TO THE AND RECEIVED THE SEPPRANTIAN AND REPORT OF THE SEPPRANTIAN AND THE CORNING AND SEPPRANTIAN OF THE CRAIMING AND COMPACTING OF THE EMBANMENT, AND CLEAR SUPERIOR SEPPRANTIAN OF REQUIRED LINES AND GRADES, EXCAVATION ASD SINCIPIOR THE REMANIMENT, AND CLEAR SUPERIOR SEPPRANTIAN ASD SINCIPIOR THE METABLE AND SEPPRANTIAN OF TOPSOIL OF THE SELECTION OF THE SEL

2. ELCANITIO SHALL EL BALE IN ACCIDIANCE WITH THESE STANDARDS AND DESCRIPTATION, AND IN
REGRORALEY CLOSE CONFORMITY WITH THE USES, GLOBES, AND TYPICAL GROSS GETTIONS GHOWN ON THE
PLANS OR ESTABLISHED BY THE BIGINEER, AND NO ALLOWANCE WILL EL BADE FOR MATERIAL ELCANITED
BEDWORD OR BELOW, DOUGLINES AND GROSS CHIESTS ITH AS RESTO GORDERED. ALL SYMME BATTERIAL BATTERIAL
REDIVED AS ELCANATION SHALL BE USED IN THE FORMATION OF DIBMONAUSTYS, SLOPES, TIC., SETOLE
REDIVED AS ELCANATION SHALL BE USED IN THE FORMATION OF THE MATERIAL STANDARD AND ALL SHALL BE USED.

WILLIAM SHALL SHALL OF ANY DESCRIPTION WILL BE ALLOWED THE TREDISTOR OF DEBRANMANTS. ALLOWED. NTS, DITCHES AND WATERWAYS SHALL BE CLEANED AND CLEARED OF OBSTRUCTION AND SHALL BE LEFT IN A NEAT AND TRIMMED CONDITION

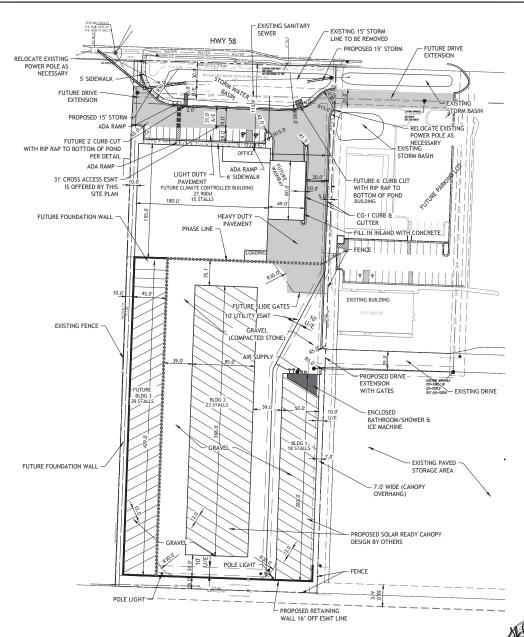
TOPSOIL IS SUITED FOR REUSE. SILT FENCE SHALL BE PLACED AROUND THE AREAS OF THE STOCKPILE

A THE SUBSEASE FOR PAYING AND STRUCTURES SHALL BE FORDERLY SHAPED AND DIFFORMLY AND THE PLACE AND OF THE PLA

5. WHEN DIRECTED, TEST ROLLING SHALL BE PERFORMED UPON THE PREPARED SUBGRADE FOR PAVING AND STRUCTURES FROM TO THE PALEMENT OF ANY BASE OR SUBBLISE MATERIAL. TEST ROLLING SHALL BE STRUCTURED FOR THE PALEMENT OF ANY BASE OR SUBBLISE MATERIAL. TEST ROLLING SHALL BE SHALL BY THE STRUCTURE OF THE SHALL BE SHALL BY THE S

6. THE SUBGRADE MUST BE MAINTAINED IN SUCH CONDITION THAT IT WILL DRAIN. ALL FACILITIES NECESSARY FOR COMPLETE DRAINAGE OF THE CONSTRUCTION AREAS SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR. IN NO CASE SHALL VEHICLES BE ALLOWED TO TRAVEL IN A SINGLE TRACK AND FORM RUTS IN THE SUBGRADE, AND IF ANY SHARP IRREGULARITES ARE FORMED, THE SUBGRADE SHALL BE

7. ALL SURPLUS MATERIALS EXCAVATED AND SUITABLE WASTE OF EVERY DESCRIPTION SHALL BE USED IN OR TO WIDEN DRAMMONENTS, FLATTEN SDE SURPCE, OR BE DEPOSITED IN SUICH PLACES AS MAY BE DIRECTED OR THIS MATERIAL MAY ALL OTHER MATERIALS NOT PERMITTED IN THE DRAMMONENTS, ETC., SHALL BHAULD FROM WITHIN THE LIMITS OF THE SITE AND DISPOSED OF AS PER STATE, FEDERAL AND LOCAL CRITERIA.



IOTE:

THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR
CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN
COMPLANCE WITH THE OCCUPATIONAL SAFETY, AND HEALTH ACT OF
970 AND ALL RULES AND REGULATIONS THERETO APPURTENANT.

HIS PLAN AND THE DESIGN SHOWN ARE THE EXCLUSIVE PROPERTY OF ITE ENGINEERING CONSULTANTS, LLC AND SHALL NOT BE ALTERED OF OPIED WITHOUT WRITTEN APPROVAL.

CLEARING AND GRUBBING

CLEARING AND GRUBBING SHALL CONSIST OF CLEARING, GRUBBING, REMOVING AND DISPOSING OF ALL VICETATION AND DEBRIS WITHIN THE LIMITS OF BISTURBED AREAS, EXCEPT SUCH OBJECTS AS ARE ENCINCATED TO REMOVED HA ACCORDANCE WITH OTHER SECTIONS OF THESE PLANS. THIS WORK SHALL ALSO. INCLUSE THE PRESERVATION FROM INJURY OR DEFACEMENT OF ALL VICETATION, TREES, AND OBJECTS DESIGNATED TO REMAIN.

2. THE CUSTALCTOR SHALL SEPTION THE WORK OF CLEANING AND CRUISINGS OF ACT TO BROAD'S CIN'S MANTHAIL RESENS RECEIPED AND, FIR CROSSEST TOO SICK HONGE WITH DECEMBEL REQUISION FOR SHAPE AND WASTES SUITABLE MATERIAL REQUISION OF THE PROJECT, ANY SUITABLE MATERIAL REGIVED WITH THE CLUERZON OR CRIBINED MATERIAL REGIVED OF THE CONTRACTOR. ALL MATERIALS OTHERWISE OFFICE OF THE CONTRACTOR OF THE CONTRACTOR OF THE STOPP CONTRACTOR OF THE RESPONSIBILITY OF THE CONTRACTOR OF THE OWNER OF THE CONTRACTOR OF THE OWNER OF THE CONTRACTOR OF THE

3. TREES DESIGNATED TO REMAIN T SUCH THEES, SHUBBERY AND PLANTS WHICH ARE NOT TO BE REMOVED.
"THE DEVILOPES ONLL DESIGNATE SUCH THEES, SHUBBERY AND PLANTS WHICH ARE NOT TO BE REMOVED.
"THE PROPERTY OF THE PROPERTY OF THE

4. DEPOSAL OF TREES, STUMPS, BRUSH, RUBBISH, ETC.

**ALL TREES, TRUMPS, BRUSH, RUBBISH OR OTHER MATERIAL TO BE EBROWED FROM THE SITE SHALL.

**ALL TREES, TRUMPS, BRUSH, RUBBISH OR OTHER MATERIAL TO BE EBROWED FROM THE SITE AND COMBANCE

WITH THESE REQUIREMENTS SHALL BE SOMEWOOD ROOMS OF OUT OF SHIFT FROM THE SITE. ANY

BURBING SHALL BE DONE WITHIN THE REQUIREMENTS OF STATE OR LOCAL LAWS OR REGULATIONS AND BE

UNDERS COMPARTE OFFORDS. AT ALL THESE

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S. PERPARATION OF GOULDO SUPPLY ALL TIMES.

PERPARATION OF GOULDO SUPPLY ALL TIMES THAT THE ALL OPERATIONS OF CLEARING AND CARRIES OF CLEARING AND CARRIES OF THE ALL TIMES OF THE ALL OPERATIONS OF CLEARING AND CARRIES OF THE CLEARING AND CARRIES OF THE CARRIES

6. UNLESS OTHERWISE DIRECTED, THE SITE SHALL BE CLEARED, FLUSH WITH THE GROUND, OF ALL TREES, BRUSH, SHRUBS, DOWN TIMER, ROTTEN WOOD, RUBBISH AND OTHER OBJECTIONABLE DEBRIS AND VEGETATION. IN ADDITION, SUCH LIVE TREES AS MAY INTERPREE WITH SIGHT DISTANCE, EITHER VERTICALLY OR HORIZONTALLY, SHALL BE CLEARED FROM THESE AREAS.

SITE DATA: TOTAL SITE TOTAL CANOPYS 4.53ac (197,430sf) 66,830sf TOTAL ENCLOSED BUILDINGS 27,900sf CAR WASH 3,200sf TOTAL 97.930 GRAVEL AREA ASPHALT 173 386cf 26,525sf TOTAL TOTAL IMPERVIOUS AREA 19.352sf = (9.8%) TOTAL OPEN SPACE PHASE 1 PARKING 41 BUS STALLS

PROPERTY IMPROVEMENTS WILL BE FENCED

TITLE: SITE PLAN PHASE 1 & 2

PROJECT:

SOUTH TOWN STORAGE, LLC

SOUTH TOWN STORAGE LLC

COUNTY PIN NO.: 04-05-15-400-000-001.004

SEC.15 TWP46, RNG32 COUNTY: CASS CO

-	OF SITE ENG	NEERING C	IGN SHOWN ARE THE EXCLUSI ONSULTANTS, LLC; AND SHALI THOUT WRITTEN APPROVAL.				3	
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	3-26-21 DATE		CITY COMMENTS REVISION	-	TB CHKD.		°10	D
	DRAWN BY:	GO	CHECKED BY: TRB		DATE	3-1-21		9

*ENGINEERING*SERVICES* SITE ENGINEERING CTANTE LDC -PROFESSIONAL ENGINEERING COMPANY

16th PL, Suite 200, LEAWOOD, KANSAS 662' 113) 515-7209 * FAX (816) 760-2379 DAY'S TECHNOLOGY*YESTERDAY'S QUALITY" SCALE: 1"=40" PROJECT No.: 0059 SHEET No.: 2

SANITARY SEWER MATERIALS

I. SANITARY SEWER PIPE SHALL BE PVC, SDR 26 WITH PUSH ON TYPE JOINTS USING FLEXIBLE ELASTOMERIC SEALS IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATION. FITTINGS SHALL BE OF THE SAME MATERIAL AS THE PIPE IN WHICH THEY ARE INSTALLED OR APPROVED

2. MANHOLES SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 WITH O-RING JOINTS Z. MANIOLES SMALL BE PRECAST CONCERTE CONFERENCE SMALL BUTLEZ ALOCK GASKETS OR CONFORMING TO ASTA C443 AND C351. THE MANIFOLES SMALL BUTLEZ A-LOCK GASKETS OR EQUAL, CAST INTEGRALLY INTHE WALL AND LOCATED AS REQUIRED FOR SEWER PIPE CONNECTIONS. MANHOLE STEPS SHALL BE PS-48 POLYPROPYLENE. COAT ALL EXTERIOR MANNOLE SURFACES IN ACCORDANCE WITH THEMES SYSTEM 46-61 OR EQUAL.

ENGINEER FOR REVIEW

. PIPE AND FITTINGS

B. MANHOLES, FRAMES AND COVERS (IF REQUIRED)
C. DETECTION TAPE
D. SEPTIC TANK

4. SELECT BORROW SHALL BE BORROW IN ACCORDANCE WITH

MISSOURI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

5. CONCRETE SHALL BE CLASS A PORTLAND CEMENT CONCRETE, CONFORMING TO THE MATERIALS, DESIGN AND CONTROL REQUIREMENTS OF THE MISSOURI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION

ALL SEWER MAINS AND APPURTENANCES SHALL BE INSTALLED AND PLACED INTO SERVICE IN CONFORMANCE WITH ASTM D.2.221. THE MANUFACTURES RECOMMENDATIONS AND THE RECOMMEND STANDARDS FOR SEWAGE WORK, 10 STATE STANDARDS: LATEST EDITION.

MAINTAIN MINIMUM 10 FOOT HORIZONTAL AND 18 INCH VERTICAL SEPARATION BETWEEN ALL CONCRETE ENCASEMENT 10 FEET EITHER SIDE OF WATER MAIN.

3. DETECTION AND WASHING THE SHALL BE PLACED BETWEEN 18 NOISES AND 24 INCHES ABOVE THE FORCE ABOW WHEN PEY FOR BE SERIOR INSTALLED, AND THE SHALL IT BE PLACED AT A DEFIT LESS THAN 6 INCHES, DETECTION AND WASHING THE SHALL BE COT THE METALL THE WITH HEAT AND RUBBRISHED THE LILL ENGIT AND WOTHER, FOLL SHALL BE COT THE METALL LICENTED AND WOTHER, FOLL SHALL BE DENTHICATION LECENDS CLEARLY IMPRINTED ON IT, FOR SEWER SYSTEMS THE COLOR SHALL BE "SAFETY PERCENTION GREET WITH THE LECEND FEARING." 'CAUTION BURIED SEWER LINE BELOW

4. TERRORE SHALL BE EXCANATION TO THE RECESSARY WITH AND EXPTH AND MUST BE DRY DURING PIPE PACKEDIST FIND SEE, EACHERING PAGE IS THE REMATRIAL EXCENT. THE BACKFILL IS TO BE HAND REVOKED. IT'S FREE OF GOCKANG MATTER, HEAVY CLAY, (REBKE, ETC., THE BACKFILL IS TO BE HAND TAXED TO AT LESS TE ANCHES ADON'T THE FOOR OF THE PER AND SHALL BE MACHANICALLY TAKED THE STEEL FOR THE PER AND SHALL BE COMPACTED TO 95% OF MORDITED PROCEDURE DESIGN.

5. IT IS INTENDED THAT EXCAVATED MATERIAL BE USED FOR BACKFILL. IN THE EVENT REQUIRED COMPACTING CANNOT BE ACHIEVED OR THE MATERIAL IS UNSUITABLE IN OTHER RESPECTS, SLUMPS, TRASH, ECT. THE BACKFILL MATERIAL WILL BE SUITABLY PROVIDED FROM OFF-SITE SOURCES, AT NO ADDITIONAL COST.

6. PAVED AREAS DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED EOUAL OR BETER THAN THAT DISTURBED.

7. REPLACE ALL SIGNS, MAIL BOXES, ECT. THAT ARE REMOVED DURING CONSTRUCTION.

ACCEPTANCE TESTING

GRAVITY SEWERS SHALL BE SUBJECT TO MIRROR-LIGHT TESTING TO DETERMINE THAT THE ALIGNMENT IS STRAIGHT AND TRUE. SEWERS NOT ALLOWING THE PASSAGE OF REFLECTED LIGHT SHALL NOT BE ACCEPTED.

2. ALL SEWERS ABOVE THE GROUNDWATER LINE SHALL BE TESTED BY THE EXPLITATION METHOD. DURING EXPLINATION TESTING THE MAXIMUM INTERNAL PIPE PRESSURE AT THE LOWEST DOS SHALL NOT BE OCCED. METHOD. THE MAXIMUM ALLOWAGE LEGACE THE LOW PRESSURE ARE TEST MAY BE USED AS AN ALTERNATIVE METHOD ACCEPTANCE TEST. THE DIGINEER SHALL DETERMINE ACCEPTANCE CRITERIA FOR ALL TESTS.

 MANHOLES SHALL BE FREE FROM FOREIGN MATERIALS AND INFILTRATION.
 THE CONTRACTOR SHALL REPAIR TO THE FULL SATISFACTION OF THE ENGINEER ANY OBSERVED LEAKAGE IN THE MANHOLES.

4. THE CONTRACTOR SHALL GUARANTEE THAT ALL WORKMANSHIP, MATERIALS, AND WORK PERFORMED 4. THE CONTRACTOR SHALL GUARANTEE THAT ALL WORKMANSHIP, MATERIALS, AND WORK PERFORMED UNDER THE CONTRACT SHALL BEH INSTEAL ACCORDANCE WITH THE RORMANIUS, SEPECIATION AND OTHER CONTRACT DOCUMENTS. THIS GUARANTEE SHALL BE FOR A PERIOD OF ONE YEAR FROM AND AFTER DATE OF COMPLETION AND ACCEPTANCE OF THE WORK, THE CONTRACTOR SHALL BEARD, ROSCORT OR REPLACE AS REQUIRED, PROMPTLY AND WITHOUT CHARGE, ALL WORK, EQUIPMENT AND MATERIAL, OR PARTS THEREOF, WITHOUT AND WITHOUT CHARGE, ALL WORK, EQUIPMENT AND MATERIAL, OR PARTS THEREOF, AND THE COMPLETE AND AND PROVISIONS AND REQUIREMENTS OF THE CONTRACT DURING SUCH ONE TEXT PRESENCE.

NOTE: A LOCK BOX CONTAINING KEYS FOR FIRE DEPARTMENT ACCESS SHALL BE PROVIDED. THE LOCK BOX SHALL BE LISTED OR APPROVED BY THE STATE OR CITY FIRE MARSHAL FOR THE INTENDED USE AND INSTALLED IN SUCH A MANNER THAT THE FIRE DEPARTMENT WILL HAVE ACCESS TO THE BOX. CONTACT THE LOCAL FIRE CHIEF FOR ORDERING INFORMATION AND LOCATION OF BOX ON BUILDING.

HWY 58 300' CIRCLE FROM EXISTING FIRE HYDRANT PROPOSED 57' OF 4" SANITARY STUB CONNECT TO EXISTING @ 8.36% SANITARY LINE F/L 1025.23 INSTALL CLEANOUT -F/L 1030.00 PROPOSED 3/4" WATER METER WATER SERVICE PROPOSED 3" WATER SERVICE EXISTING 8" WATERLINE 2" WATER METER FFE 1038.00 EXISTING FIRE TEMPORARY -HYDRANT FENCE PHASE 1 9 9 | | | | | | | 10. 6" WATERLINE - INSTALL 4' DIA MH F/L IN (S) 1034.87 RV DUMP STATION IS PROPOSED/ EXISTING SANITARY F/L OUT (F) 1034 62 CITY OF RAYMORE WILL PREPARE A SEWER WITH STUB & CAP SEWER AGREEMENT WITH DEVEL OPER 15' S/E PROPOSED 3/4" WATER SERVICE CONNECT TO EXISTING MH 1" WATER METER PROPOSED 191' of EXISTING F/L OUT (N) 1030.60 8" SANITARY SEWER WITH BACKFLOW EXISTING F/L IN (E) 1030.90 PREVENTOR EXTENSION @ 2% F/L IN (W) 1030,80 - PHASE 1 ACCESS 6" WATERLINE FXISTING PAVED STORAGE AREA 300' CIRCLE FROM EXISTING FIRE HYDRANT FIRE HYDRANT (LOCATION A) ALTERNATE FIRE HYDRANT PROVIDE BOLLARDS (LOCATION B) AS SHOWN

GENERAL NOTES:

1) ALL WATER MAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF RAYMORE UTILITIES CONSTRUCTION SPECIFICATIONS AND ALL AMENDMENTS THERETO.

2) INSTALL PIPE AROUND BENDS PER MANUFACTURERS RECOMMENDATIONS

3) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO OBTAIN THE APPROVAL AND THE ACCEPTANCE OF THE WATER MAINS BY CITY OF RAYMORE, AND THE DEPARTMENT OF PUBLIC HEALTH, OFFICE OF DRINKING WATER IF REQUIRED UPON COMPLETION OF CONSTRUCTION.

4) EXISTING UTILITIES ARE IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTRACT UTILITY ONE CALL. AT 1-800-DE-RITE (3) THIREE DAYS PRIOR TO CONSTRUCTION IN ORDER TO VERIFY AND ALLOW FOR THEIR LOCATION AND DEPTH IN THE FIELD.

5) CONTRACTOR SHALL DEPRESS WATER LINE AS REQUIRED WITH APPROVED FITTINGS TO AVOID CONFLICTS WITH STORM SEWERS, CULVERTS AND SANITARY PLANS .

6) THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING UTILITIES AND MAINTAIN UNINITERRUPTED SERVICE. ANY AND ALL DAMAGES DONE TO THEM DUE TO THEIR NEGLIGENCE SHALL BE IMMEDIATELY AND COMPETENTLY REPAIRED AT THEIR EXPENSE.

7) ALL NECESSARY PERMITS, LICENSES, INSURANCE, ETC. REQUIRED BY LOCAL, STATE, OR FEDERAL LAWS SHALL BE

8) PLAN LOCATION AND DIMENSIONS SHALL BE STRICTLY ADHERED TO LINLESS OTHERWISE DIRECTED BY THE ENGINEER

9) THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF DAMAGED OR DESTROYED LANDSCAPE.

10) ALL INSTALLATIONS SHALL IKE DRESSLIPE WATER DIDE CLASS 150 (SDR.18) C.000 AWAYA ADDROVED FURNISHED IN 20 FOOT LENGTHS WITH INTEGRAL BELLS OR AS INDICATED ON THE CONTRACT DRAWINGS. ALL PIPE MUST BE NSF-PW APPROVED. WHERE REQUIRED, HIGH DEFLECTION COUPLINGS SHALL BE USED.

11) ALL FIRE LANES, FIRE HYDRANTS, AND FIRE DEPARTMENT CONNECTIONS SHALL BE MARKED IN ACCORDANCE WITH THE MISSOURI STATE FIRE PREVENTION REGII LATIONS

12) CONTRACTOR TO FIELD VERIFY EXISTING HYDRANT LOCATION AND CORRECT SPACING OF PROPOSED FIRE HYDRANTS.

13) CITY OF RAYMORE SHALL BE RESPONSIBLE FOR PROVIDING FLOW TEST DATA TO THE STATE FIRE MARSHAL. FLOW TEST SHALL HAVE BEEN PERFORMED WITHIN THE PAST YEAR.

14) ALL FITTINGS TO BE MJ WITH RETAINER GLANDS.

16) IT SHALL BE THE CONCTRACTORS RESPONSIBILITY TO SUBMIT (UPON COMPLETION OF INSTALLATION OF THE WATER DISTRIBUTION SYSTEMS) AS BUILT DRAWINGS INCLIDING PROFILES TO THE DEPARTMENT OF PUBLIC HEALTH, OFFICE OF DRINKING WATER, IF REQUIRED.

17) ALL PROPOSED FIRE HYDRANTS TO BE B-62-B. UNLESS OTHERWISE SPECIFIED.

18) HYDRANT LOCATION SHOWN CAN BE MODIFIED AT THE DISCRETION OF THE CITY OF RAYMORE (TO LOCATION B) AT THE EXPENSE OF THE DEVELOPER.

FIRE MARSHAL NOTES:

OWNER/DEVELOPER: SOUTH TOWN STORAGE, LLC P.O. BOX 107 RAYMORE, MO 64083

CIVIL /SITE ENGINEER-SITE ENGINEERING CONSULTANTS, LLC

5251 W116TH PLACE, SUITE 200 LEAWOOD, KANSAS 66211 Phone: (913) 515-7209 Fax: (816) 760-2379 c/o FNGINFFR

3. APPLICANT: SOUTH TOWN STORAGE, LLC P.O. BOX 107 RAYMORE, MO 64083

4. TAX MAP NUMBER: 04-05-15-400-000-001.004

5. PROJECT NAME: SOUTH TOWN STORAGE

6. INTENDED USE: RV STORAGE 7. WATER SUPPLIER: CITY OF RAYMORE

8. MAX HEIGHT OF BUILDING: 9. BUILDING CONSTRUCTION TYPE: CONSTRUCTION

10. SPRINKLER SYSTEM: PER CODE

11 ALL FIRE LANES, FIRE HYDRANTS, AND FIRE DEPARTMENT CONNECTIONS SHALL BE MARKED IN ACCORDANCE WITH THE STATE FIRE PREVENTION REGULATIONS

UTILITY & FIRE ACCESS PLAN PHASE 1 & 2

PROJECT:

SOUTH TOWN STORAGE, LLC PREPARED FOR:

SOUTH TOWN STORAGE LLC

COUNTY PIN NO.: 04-05-15-400-000-001.004 SEC.15 TWP46, RNG32

COUNTY: CASS CO

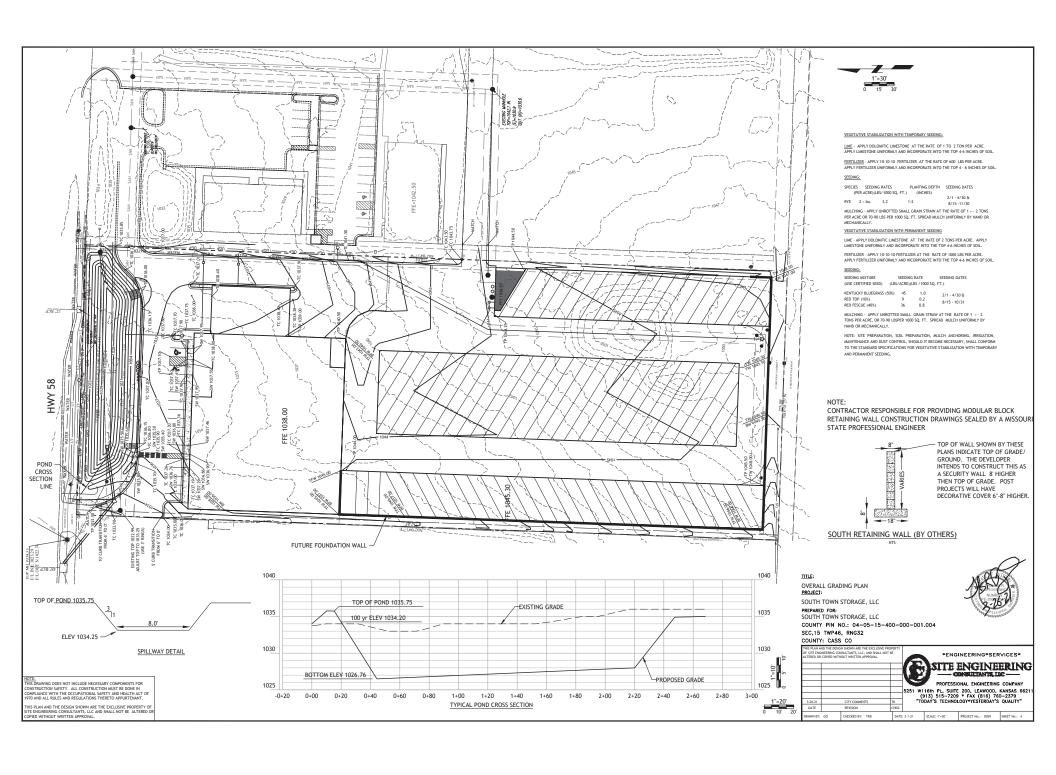
	RING CONSULTANTS, LLC; AND SHALL NOT ED WITHOUT WRITTEN APPROVAL.	BE	*ENGINEERING*SERVICES*
			SITE ENGINEERING ONBULTANTE LIC PROFESSIONAL ENGINEERING COMPANY
_			5251 W116th PL, SUITE 200, LEAWOOD, KANSAS 662 (913) 515-7209 * FAX (816) 760-2379 "TODAY'S TECHNOLOGY*YESTERDAY'S QUALITY"
6-21	CITY COMMENTS	TB	"TODAY'S TECHNOLOGY=YESTERDAY'S QUALITY"

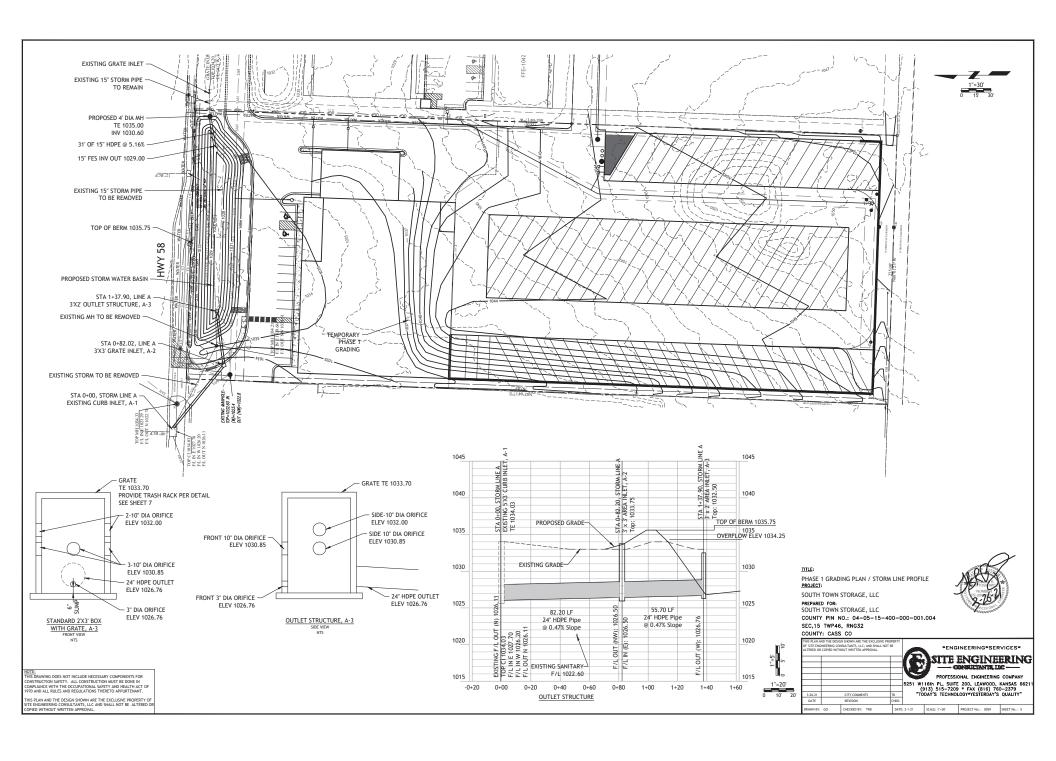
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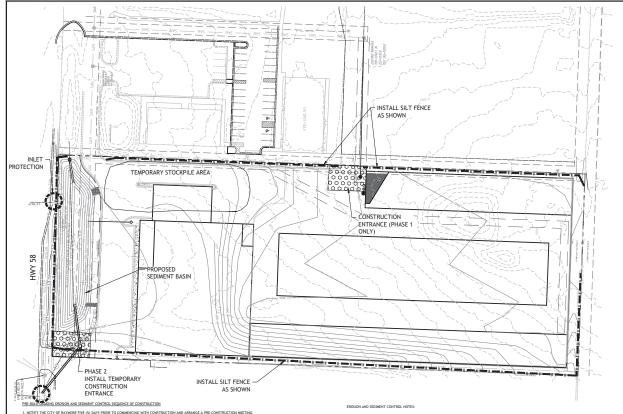
IOTE:

THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR
CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN
COMPLANCE WITH THE OCCUPATIONAL SAFETY, AND HEALTH ACT OF
970 AND ALL RULES AND REGULATIONS THERETO APPURTENANT.

HIS PLAN AND THE DESIGN SHOWN ARE THE EXCLUSIVE PROPERTY OF ITE ENGINEERING CONSULTANTS, LLC AND SHALL NOT BE ALTERED OF OPIED WITHOUT WRITTEN APPROVAL.







THE CITY OF RAYMORE MUST BE NOTIFIED IN WRITING FIVE (5) DAYS PRIOR TO COMMENCING WITH CONSTRUCTION TO SCHEDULE A PRE-CONSTRUCTION MEETING. FAILURE TO DO SO CONSTITUTES A VIOLATION OF THE APPROVED SEDIMENT AND STORMMATER MANAGEMENT FLAN.

2. REVIEW AND APPROVAL OF SEDIMENT AND STORMWATER MANAGEMENT PLAN SHALL NOT RELIEVE THE CONTRACTOR FROM HIS OR HER RESPONSIBILITIES FOR COMPLIANCE WITH THE REQUIREMENTS OF THE SEDIMENT AND STORMWATER REGULATIONS. NOR SHALL IT RELIEVE THE CONTRACTOR FROM ERRORS OR OMISSIONS ON THE

3. IF THE APPROVED PLAN NEEDS TO BE MODIFIED, ADDITIONAL SEDIMENT AND STORMWATER CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY BY THE APPROPRIATE REVIEW AUTHORITY.

4. THE CITY OF RAYMORE RESERVES THE RIGHT TO ENTER PRIVATE PROPERTY FOR PURPOSES OF PERIODIC SITE INSPECTION.

5. FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, TOPSOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROPOSED SITE.

6. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL COMPLY WITH THE STATE OF MISSOURI & CITY OF RAYMORE EROSION AND SEDIMENT CONTROL REGULATIONS.

7. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MAINTAIN AND REPAIR ALL STORMWATER AND SEDIMENT CONTROL PRACTICES DURING CONSTRUCTION AND UTILITY INSTALLATION.

8. IT SHALL BE THE OWNER'S RESPONSIBILITY TO MAINTAIN THE PROPERTY DURING THE PLAN REVIEW AND APPROVAL PROCESS. IT SHALL BE THE OWNERS RESPONSIBILITY TO MAINTAIN STORMWATER FACILITY.

9. AS-BUILT SURVEYS AND DRAWINGS ARE TO BE SUBMITTED TO THE CITY WITHIN 120-DAYS OF STORMWATER MANAGEMENT FACILITY COMPLETION

11. APPROVAL OF A SEDMENT AND STORMWATER PLAN DOES NOT GRANT NOR IMPLY A RIGHT TO DISCHARGE STORMWATER RUNOFF. THE OWNER/DEVELOPER IS RESPONSIBLE FOR ACQUIRING ANY AND ALL AGREEMENTS, EASEMENTS, ETC., NECESSARY TO COMPLY WITH STATE DRAINAGE AND OTHER APPLICABLE LAWS. 12. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED PERIODICALLY AND AFTER EACH RAINFALL, MAINTENANCE MUST BE PERFORMED AFTER EACH INSPECTION AS NECESSARY, ANY ERODED AREAS SHALL BE STABILIZED AND ANY ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF ACCORDING TO PLAY

13. THE EROSION AND SEDIMENT CONTROL OBJECTIVES WILL BE ACHIEVED BY MINIMIZING EXPOSURE TIME OF POTENTIALLY EROSIVE SOILS TO RUNOFF, AND INSTALLATION OF THE TEMPORARY AND PERMANENT CONSERVATION MEASURES IN PROPER SEQUENCE WITH CONSTRUCTION.

15. CONTRACTOR SHALL TAKE CARE NOT TO "TRACK" MUD OFF SITE WITH CONSTRUCTION VEHICLES AND FOLIPMENT

16. ALL AREAS NOT STABILIZED BY STONE BASE COARSE OR PAVING ARE TO BE STABILIZED ACCORDING TO THE STABILIZATION SCHEDULE IMMEDIATELY AFTER DESIGN GRADE IS ACHIEVED. HYDRO SEEDING IS RECOMMENDED WHERE SLOPES EXCEED 3:1.

17. IN THE EVENT EARTHWORK OPERATIONS ARE HALTED FOR THE WINTER MONTHS, BEFORE FINAL GRADING AND SEEDING OF ALL DISTURBED AREAS ARE COMPLETED, THOSE AREAS ARE TO BE STABILIZED FOR THE STABILIZATION GUIDELINES OR STABILIZED WITH A MULCH, OR TACKED WITH A CHEMICAL ADHESIVE.

18. EROSION CONTROL MATTING SHALL BE USED ON ALL SLOPES THAT ARE 3:1 (3 UNITS HORIZONTAL TO 1 UNIT VERTICAL) OR GREATER AND IN AREAS OF CONCENTRATES.
FLOW WHITE GRADES EXCEED 1:4 AND IN DISTURBED AREAS WHERE HIGHLY BROOMS FORS ARE PRESENT. EROSION CONTROL, BLANKET SHALL BE TYPE S-150
AS MANUFACTURED BY NORTH AMERICAN GREEN OR AN APPROVED EQUIVALENT.

19. IF DUST CONTROL BECOMES A PROBLEM, METHODS SUCH AS MULCHING, OR SPRINKLING WATER SHALL BE IMPLEMENTED

20. SILTSACK INLET PROTECTION IS TO BE USED FOR CATCH BASIN PROTECTION OR APPROVED EQUAL

21 ALL FILTER FARRIC TO BE USED LINDER RIP-RAP SHALL BE MIZZEL FORX OR APPROVED FOLLIVALENT

GENERAL SEDIMENT AND STORMWATER NOTES

ALL NECESSARY PERMITS, LICENSES, BONDS, INSURANCE POLICIES, ETC. REQUIRED BY LOCAL STATE AND/OR FEDERAL LAWS SHALL BE PROVIDED BY THE CONTRACTOR AT HIS OWN EXPENSE.

LIMITS OF DISTURBANCE MUST BE DELINEATED IN THE FIELD. TOTAL DISTURBED ACREAGE= 4.50±
ACRES. THE LIMITS OF DISTURBANCE SHALL BE CLEARLY DEFINED AT ALL TIMES DURING CONSTRUCTION.
(BREAK DOWN PER PHASE(S) IF APPLICABLE).

SHOULD QUESTIONS ARISE REGARDING THE MAINTENANCE OF EROSION AND SEDIMENT CONTROL
PRACTICES, THE SITE CONTRACTOR SHALL CONTACT THE CONSULTING ENGINEER EXPEDITIOUSLY FOR
TECHNICAL ASSISTANCE.

4. THE CONTRACTOR SHALL AT ALL TIMES PROTECT AGAINST SERMENT OF DEBRIS LADER RUNGFF OR WIND FROM LEAVING THE SITE. PERSINETER CONTROLS SHALL BE CRECKED DAILY AND ADJUSTED AND/OR REPAIRED TO FULLY CONTRAIN AND CONTROLS. SEMEMENT FROM LANGHOUS THE STEEL ACCURATION SHALL SHALL BE REMOVED WHITH HAS READED HALF OF THE EFFECTIVE CAPACITY OF THE CONTROL. IN ADDITION, THE CONTRACTION ANY NEED TO ADJUSTED OR LETTER MEASURES IN TIMES OF ADJONNERS WEATHER CONTROL. BY ADDITION, OR A SHREET OF THE THE CITY.

5. ALL PERIMETER CONTROLS FOR EROSION AND SEDIMENT SHALL BE IN PLACE PRIOR TO ANY OTHER LAND DISTURBING ACTIVITIES.

6. A CONCRETE WASHOUT STATION AND STAGING AREA INCLUDING DUMPSTER(S) SHALL BE PROVIDED NEAR THE CONSTRUCTION ENTRANCE IN A LOCATION ACCEPTABLE TO THE CONTRACTOR. THIS LOCATION SHALL BE APPROVED BY THE CITY DURING THE PRE CONSTRUCTION MEETING.

VEGETATIVE STABILIZATION WITH TEMPORARY SEEDING:

LIME - APPLY DOLOMITIC LIMESTONE AT THE RATE OF 1 TO 2 TON PER ACRE.

FERTILIZER - APPLY 10-10-10 FERTILIZER AT THE RATE OF 600 LBS PER ACRE. APPLY FERTILIZER UNIFORMLY AND INCORPORATE INTO THE TOP 4 - 6 INCHES OF SOIL.

SPECIES SEEDING RATES PLANTING DEPTH SEEDING DATES (PER ACRE)(LBS/1000 SQ. FT.) (INCHES) RYE 2 = bu. 3.2 1-2 8/15 -11/30

MULCHING - APPLY UNROTTED SMALL GRAIN STRAW AT THE RATE OF 1 = - 2 TONS PER ACRE OR 70-90 LBS PER 1000 SQ. FT. SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY.

VEGETATIVE STABILIZATION WITH PERMANENT SEEDING

LIME - APPLY DOLOMITIC LIMESTONE AT THE RATE OF 2 TONS PER ACRE. APPLY LIMESTONE UNIFORMLY AND INCORPORATE INTO THE TOP 4-6 INCHES OF SOIL.

FERTILIZER - APPLY 10-10-10 FERTILIZER AT THE RATE OF 1000 LBS PER ACRE. APPLY FERTILIZER UNIFORMLY AND INCORPORATE INTO THE TOP 4-6 INCHES OF SOIL.

SEEDING:

SEEDING MIXTURE SEEDING PATE SEEDING DATES (USE CERTIFIED SEED) (LBS/ACRE)(LBS /1000 SQ. FT.)

KENTUCKY BLUEGRASS (50%) 45 1.0 RED TOP (10%) 8/15 - 10/31 RED FESCUE (40%)

36 0.8 MULCHING - APPLY UNROTTED SMALL GRAIN STRAW AT THE RATE OF 1 = - 2 TONS PER ACRE, OR 70-90 LBSPER 1000 SQ. FT. SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY

NOTE: SITE PREPARATION, SOIL PREPARATION, MULCH ANCHORING, IRRIGATION MAINTENANCE AND DUST CONTROL, SHOULD IT BECOME NECESSARY, SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR VEGETATIVE STABILIZATION WITH TEMPORARY AND PERMANENT SEEDING

LEGEND



SILT FENCE



INLET PROTECTION

TOTAL DISTURBED AREA 4,50ac

EROSION CONTROL PLAN PHASE 1

PROJECT:

SOUTH TOWN STORAGE, LLC PREPARED FOR: SOUTH TOWN STORAGE LLC

COUNTY PIN NO.: 04-05-15-400-000-001.004

SEC.15 TWP46, RNG32

COUNTY: CASS CO

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					5251 W1	16th PL, SUITE	200, LEAWOOD, FAX (816) 76 LOGY*YESTERDAY'S	KANSAS 66 0-2379
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IGINEERING*SERVICES* ENGINEERING ANTE LIC

IOTE:

HIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 970 AND ALL RULES AND REGULATIONS THERETO APPURE

STORMWATER POND CONVERSION SEQUENCE OF CONSTRUCTION

2. INSTALL THE STABILIZED CONSTRUCTION ENTRANCE AT THE LOCATION SHOWN ON THE PLAN. REFER TO THE STANDARD DETAIL FOR MINIMUM SPECIFICATIONS.

6. TOPSOIL SHALL BE STOCKPILED AT THE LOCATION SHOWN ON THE PLAN. THE TOPSOIL STOCKPILE SHALL BE SURROUNDED BY SILT FENCE.

1. DEWATER & EXCAVATE THE STORMWATER MANAGEMENT BASINS IN ACCORDANCE WITH THE ELEVATIONS SHOWN ON THE LINES AND GRADES PLAN.

5. TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES CAN BE REMOVED ONLY AFTER APPROVAL BY THE ENGINEER & CITY OF RAYMORE JACKS INSPECTO

2. INSTALL THE OUTLET STRUCTURES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STORMWATER MANAGEMENT PLAN.

3 FINAL GRADE ALL DISTURBED AREAS AND STARILIZE IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STARILIZATION REQUIREMENTS

4. SEDIMENT CONTROL DEVICES ARE TO BE KEPT FREE FROM SEDIMENT AND PROPERLY MAINTAINED THROUGHOUT CONSTRUCTION

5. CONSTRUCT THE STORM WATER BASIN TO THE DIMENSIONS SHOWN ON THE PLAN REFER TO THE STANDARD DETAIL FOR MINIMUM SPECIFICATIONS. INSTALL DUTLET PIPES AND DEWATERING STRUCTURES.

1. AFTER INITIAL PERIMETER CONTROLS HAVE BEEN INSPECTED AND APPROVED, ROUGH GRADE SITE IN ACCORDANCE WITH ITEM 2 BELOW. ALL DISTURBED AREAS ARE TO RECEIVE TEMPORARY STABILIZATION IN ACCORDANCE WITH THE TEMPORARY VECETATIVE STABILIZATION REQUIREMENTS.

2. INSTALL ACCESSWAYS AS SHOWN TO ROUGH GRADE PER THE ROW SECTION DETAIL. A REGISTERED ENGINEER WITH A BACKGROUND IN GEOTECHNICAL ENGINEERING MUST APPROVE THE METHOD & SUITABILITY OF ALL MATERIALS WITH THE ROW.

3. INSTALL SITE UTILITIES INCLUDING; SANITARY SEWER, WATER DISTRIBUTION, STORM SEWER, ETC. CATCH BASINS SHALL BE FITTED WITH INLET PROTECTION FILTERS TO PREVENT SEDIMENT FROM ENTERING THE STORM SEWER.

4. INSTALL RIP-RAP APRONS IN STORM BASIN AND AT THE END OF PROPOSED CURB CUTS AS SHOWN ON THE PLAN IN ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS, ALL RIP-RAP SHALL BE INDICED AN WITH BY TO EARLY

6. AFTER SITE STABILIZATION HAS BEEN ACHIEVED AND UPON APPROVAL BY THE ENGINEER, REMOVE ACCUMULATED SEDIMENT FROM THE STORM WATER BASIN. REFER TO THE STORMWATER POND CONVERSION SEQUENCE FOR PERMANENT STORMWATER MANAGEMENT INSTALLATION REQUIREMENTS.

5. CONSTRUCT IMPERVIOUS AREAS, STABILIZE WITH BASE COURSE AND COMPLETE FINAL GRADING OF SITE. ALL FINAL GRADED AREAS ARE TO RECEIVE PERMANENT STABILIZATION IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION REPRIN

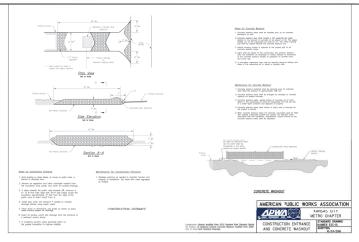
3. CLEAR AND GRUB AREAS DESIGNATED FOR PERIMETER EROSION AND SEDIMENT CONTROLS.

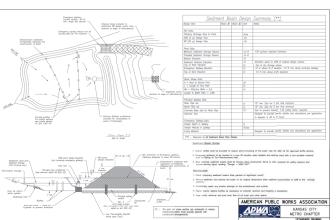
4. INSTALL SILT FENCE PER PLAN OR AS DIRECTED BY THE SITE SUPERINTENT.

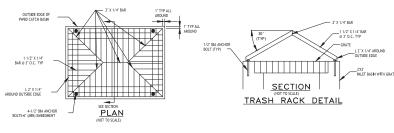
7. CONTACT THE ENGINEER AND ARRANGE FOR A PERIMETER CONTROL INSPECTION.

POST-BULK GRADING EROSION AND SEDIMENT CONTROL SEQUENCE OF CONSTRUCTION

HIS PLAN AND THE DESIGN SHOWN ARE THE EXCLUSIVE PROPERTY OF TE ENGINEERING CONSULTANTS, LLC AND SHALL NOT BE ALTERED OF PIED WITHOUT WRITTEN APPROVAL.

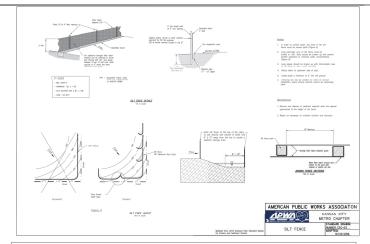


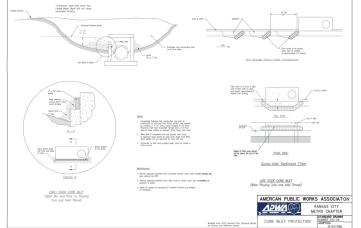


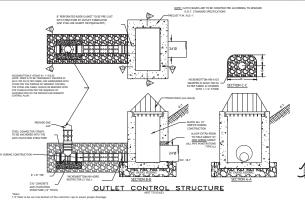


NOTE:

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THE BAR GUARD INTAKE IS AN EXCELLENT CHOICE IN ANY SITUATION WHERE A LOW PROFILE, HIGH CAPACITY INTAKE IS REQ.

ITS UNIQUE DESIGN HELPS KEEP INTAKES FROM PLUGGING W/ CROP RESIDUE OR ANY OTHER TYPE OF TRASH.

THE BAR GUARD MAY ALSO PROTECT A POND FROM RODENT ENTRY.

CONSTRUCTED OF 1/4" STEEL (5/16" STEEL ON 15" AND LARGER SIZES) FOR DURABILITY.

YELLOW POWDER COATED FINISH RESISTS CORROSION AND IS BRIGHTER FOR BETTER

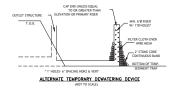
Size	Price	Size	Price	Size	Price
4"	\$16	10"	\$22	18"	\$44
5"	\$17	10"-H*	\$22	21"	\$52
6"	\$18	12"	\$28	24"	\$60
8"	\$19	12"-H*	\$32	30"**	\$95
8"-H*	\$19	15"	\$36	36"**	\$125

*SPECIAL SIZED BAR GUARDS TO FIT HICKENBOTTOM INTAKES.

**SPECIAL SIZED BAR GUARDS IN 2 PIECES. TWO HALVES BOLT TOGETHER (BOLTS, WASHERS, & & NUTS ARE INCLUDED).

1462 340th Street*P.O.Box 458*Adair, lowa 50002 Ph-1-800-232-4742 Fax- 1-800-282-3353

CHOOSE (5) 10' SIZE FOR ORIFICE TRASH RACKS IN OUTLET STRUCTURE



ITLE:

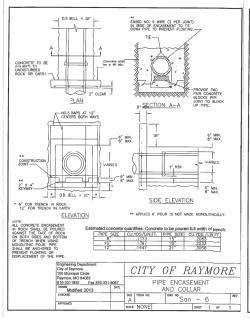
EROSION CONTROL DETAILS

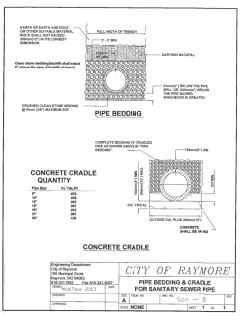
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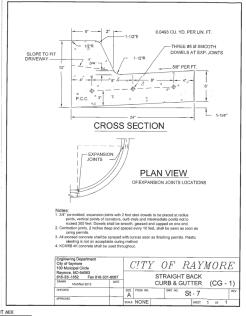
SOUTH TOWN STORAGE, LLC
PREPARED FOR:
SOUTH TOWN STORAGE, LLC
COUNTY PIN NO.: 04-05-15-400-000-001.004

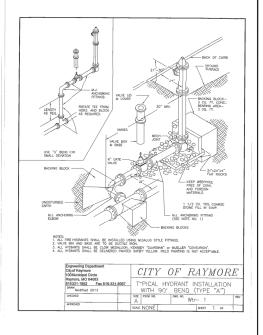
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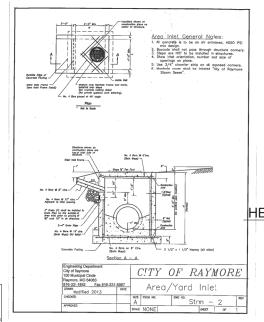
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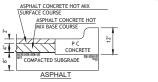




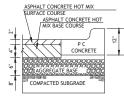


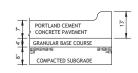






REGULAR DUTY PAVING





PORTLAND CEMENT CONCRETE PAVEMENT

шэнэнэн

GRANULAR BASE COURSE

COMPACTED SUBGRADE

CONCRETE ALTERNATE

HEAVY DUTY ASPHALT HEAVY DUTY CONCRETE

1. FLEXIBLE PAVEMENT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MISSOURI DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

ASPHALT SURFACE COURSE - APWA TYPE 3-01 ASPHALT BASE COURSE - APWA TYPE 1-01 AGG BASE-MODOT TYPE 5

2. PORTLAND CEMENT CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS WITH 68 ENTRAINED AM ±2% AND SHALL MEET OR EXCEED THE SPECIFICATIONS SET FORTH IN THE LATEST EDITION OF THE KAMSAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

3. HEAVY DUTY CONCRETE IS AN OPTIONAL PAVEMENT FOR DETAIL 041 HEAVY DUTY ASPHALT. WHEN PLANS SPECIFY DETAIL 042 NO ALTERNATES ARE ALLOWED.

TITLE:

SITE CONSTRUCTION DETAILS

PROJECT:

SOUTH TOWN STORAGE, LLC

PREPARED FOR: SOUTH TOWN STORAGE, LLC

COUNTY PIN NO.: 04-05-15-400-000-001.004 SEC.15 TWP46. RNG32

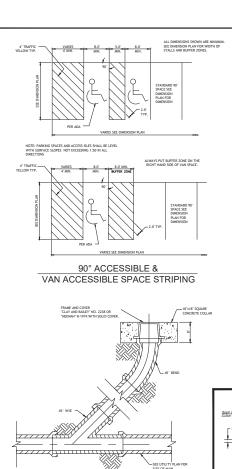
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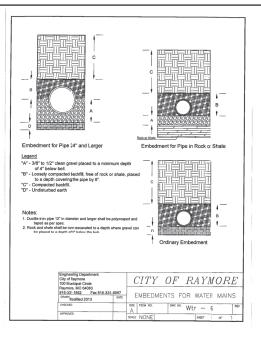
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THIS PLAN AND THE DESIGN SHOWN ARE THE EXCLUSIVE PROPERTY OF SITE ENGINEERING CONSULTANTS, LLC; AND SHALL NOT BE ALTERED OR COPIED WITHOUT WRITTEN APPROVAL.					*ENGINEERING*SERVICES*			
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			†				200, LEAWOOD, * FAX (816) 76: .OGY*YESTERDAY'S	
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DATE		REVISION	-	HKD.				
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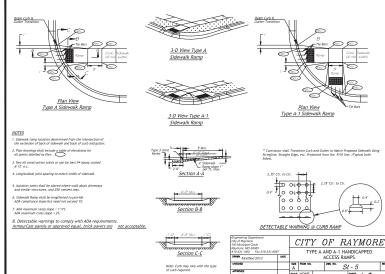
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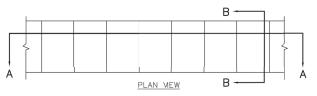
HES BRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 970 AND ALL RULES AND REGLATIONS THERETO APPURTEMANT.

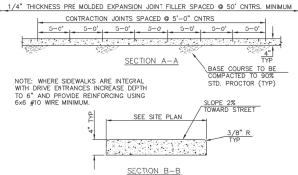
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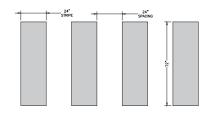






CONCRETE SIDEWALK

NOTE: CONCRETE SHALL BE CLASS A WITH f'c = 3000 PSI.



STRIPING OF CROSSWALK SHALL BE THERMO
MAXIMUM CROSS SLOPE IS NOT TO EXCEED 2% NOR MAXIMUM LONGITUDINAL SLOPE EXCEED 1:12

PEDESTRIAN
CROSSWALK DETAIL
(NO SCALE)

TITLE:

SITE CONSTRUCTION DETAILS (PHASE 1)

PROJECT:

SOUTH TOWN STORAGE, LLC

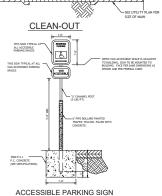
PREPARED FOR: SOUTH TOWN STORAGE, LLC

COUNTY PIN NO.: 04-05-15-400-000-001.004 SEC.15 TWP46, RNG32

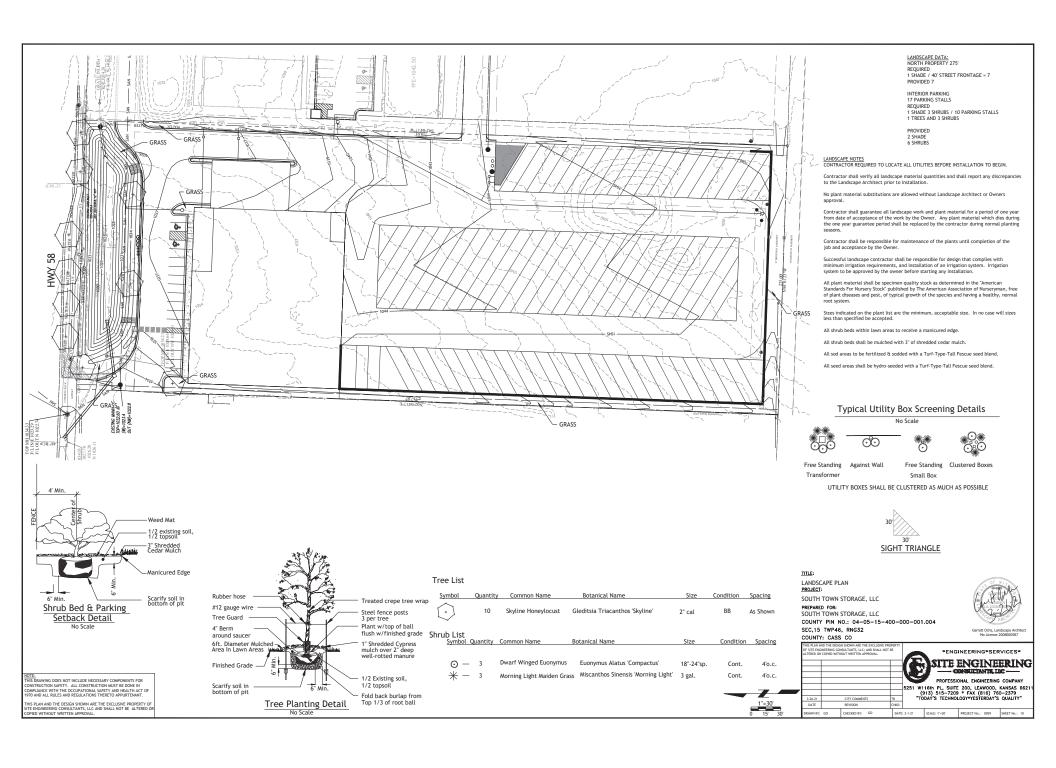
SEC,15 TWP46, RNG3 COUNTY: CASS CO

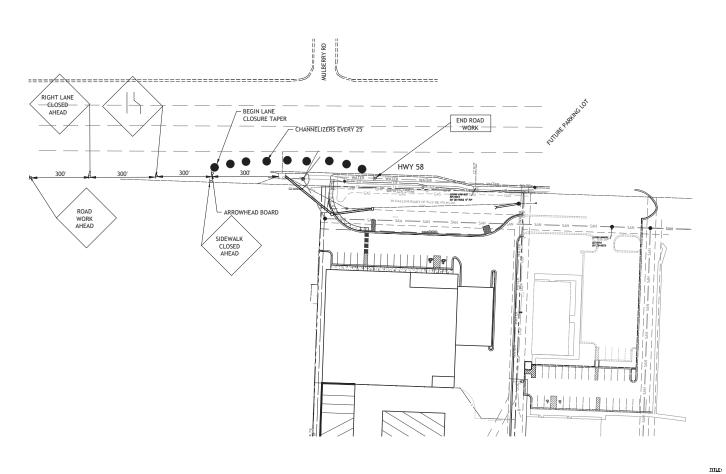


OF SITE ENG	INEERING CO	IN SHOWN ARE THE EXCLUSI NSULTANTS, LLC; AND SHALL HOUT WRITTEN APPROVAL.		6		INEERING*SEF	
				E	<i>—</i> o	ENGINE DINBULTANTE LI DINAL ENGINEERING	IC
				5251 W	16th PL. SUITE	200, LEAWOOD, * FAX (816) 76 LOGY*YESTERDAY'S	KANSAS 66211
3-26-21		CITY COMMENTS	TB	1	DAY'S TECHNOL	OGY#YESTERDAY'S	QUALITY"
DATE		REVISION	CHKD.				
DRAWN BY:	GO	CHECKED BY: TRB	DATE	3-1-21	SCALE: 1"=30"	PROJECT No.: 0059	SHEET No.: 9



MOTE:
THIS DRAWING DOES NOT INCLUDE NEETSARY COMPONENTS FOR
CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN
COMMISSARE WITH THE COLUMNIANCE METER AND PELLIT ACT OF
1970 AND ALL RULES AND REGULATIONS THERETO APPURTEMENT.
HITH SAFA AND THE DESIGN SHAWN, ARE THE CILLUSIVE REPORPETY OF
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TRAFFIC CONTROL

PROJECT:

SOUTH TOWN STORAGE, LLC

PREPARED FOR:
SOUTH TOWN STORAGE, LLC
COUNTY PIN NO.: 04-05-15-400-000-001.004
SEC,15 TMP46, RNG32
COUNTY: CASS CO



OF SITE ENG	INEERING	SIGN SHOWN ARE THE EXCLUSIV CONSULTANTS, LLC; AND SHALL ITHOUT WRITTEN APPROVAL.				INEERING*SER	
						ENGINE	
				9		DNAL ENGINEERING	
				5251 W1	16th PL, SUITE 113) 515–7209	200, LEAWOOD, * FAX (816) 76 .OGY*YESTERDAY'S	KANSAS 66211 0-2379
3-26-21		CITY COMMENTS	TB	_ "то	DAY'S TECHNOL	.OGY*YESTERDAY'S	QUALITY"
DATE		REVISION	CHKD.				
DRAWN BY:	GO	CHECKED BY: TRB	DATI	E: 3-1-21	SCALE: 1"=40"	PROJECT No.: 0059	SHEET No.: 11

NOTE:
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