



DRAINAGE PERMIT

PUBLIC WORKS DEPARTMENT

3535 Somerset Drive

Prairie Village, KS 66208

Phone: (913)385-4647 – Fax: (913)642-0117

Email: publicworks@pvkansas.com

COMPANY _____ TELEPHONE # _____

***CONTACT** _____ E-MAIL _____

ADDRESS _____

PROPERTY OWNER _____ TELEPHONE # _____

PROPERTY ADDRESS _____

DESCRIPTION OF WORK _____

ATTACH ONE COPY OF PLAN SHOWING: (11" x 17" max plan size)

- | | |
|---|--|
| <input type="checkbox"/> House/building address with street name | <input type="checkbox"/> North Arrow |
| <input type="checkbox"/> Existing/proposed building outline | <input type="checkbox"/> Square footage of proposed building (_____ SQ FT) |
| <input type="checkbox"/> Right-of-Way Line/Sidewalk location | <input type="checkbox"/> Concrete spoils pit |
| <input type="checkbox"/> Outline and square footage of land disturbed | <input type="checkbox"/> Contour lines at 2 foot intervals (min) |
| <input type="checkbox"/> Existing and proposed drain inlets | <input type="checkbox"/> Existing and proposed drain outlets (inc. downspouts) |
| <input type="checkbox"/> Existing channel/stream and distance from work | <input type="checkbox"/> Erosion control measures |
| <input type="checkbox"/> Location of existing/proposed driveway | <input type="checkbox"/> Square footage of driveway (_____ SQ FT) |

TEAR DOWN / REBUILD ADDITIONAL REQUIREMENTS: (see attachment)

- | | |
|---|--|
| <input type="checkbox"/> Drainage Study | <input type="checkbox"/> Field Survey for Final Grading (PRIOR TO SOD) |
| <input type="checkbox"/> Grading Plan | |

I have read or have knowledge of the provisions of Chapter XIV and Public Works Standard Details as it pertains to stormwater.

Applicant

Date

- NOTE: 1. Changes may be made to the erosion control at any time during construction per City inspections. (City inspections occur every 2 weeks and after a rain event greater than 0.5 inches)**
- 2. Downspouts locations shall not negatively impact neighboring properties (during and post construction conditions).**

DRAINAGE PERMIT IS GRANTED FOR THE ABOVE LOCATION WITH THE FOLLOWING PROVISIONS:

PERMIT NO. _____

DATE WORK ACCEPTED _____

APPLICATION NO. _____

FINAL APPROVED COPY SENT TO BUILDING OFFICIAL _____

DATE ISSUED _____

FEE _____

Director of Public Works or Authorized Agent

***Contact will receive e-mails or calls with questions during permit review. Please plan accordingly.**

- Public Works Accounting Applicant Building Official



THE CITY OF PRAIRIE VILLAGE

STAR OF KANSAS

Drainage Permit Requirements for Tear Down / Rebuild

(Significantly sized additions may be fall under these guidelines.)

PERMIT SUBMITTAL

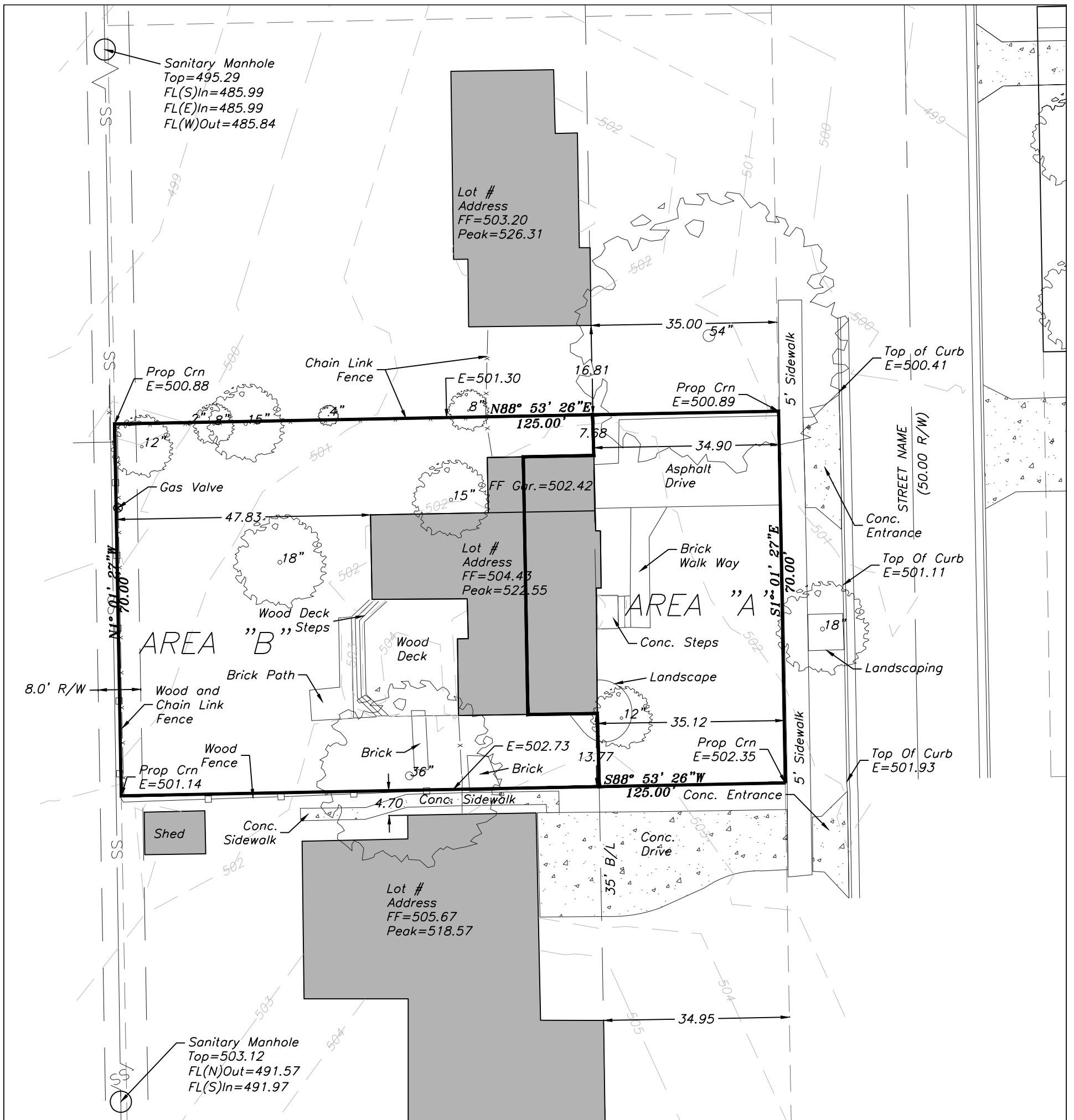
1. Drainage Study submitted for the subject property with drainage permit/plans:
 - a. A storm water study sealed by a Kansas licensed professional engineer addressing the increase of impervious area and the potential for drainage problems or flooding of adjacent properties. The storm water study should include solutions to contain water on the subject property or by some other means to eliminate water problems on adjacent properties. **The study shall also delineate drainage areas on the property pre- and post- development, see examples.**
 - b. Provide a grading plan (this can be incorporated into the plot plan) prepared by a Kansas licensed engineer or land surveyor depicting the grading on the subject lot. The existing contour lines must extend into adjacent lots at least 25 feet.
 - c. Downspouts (buried or directed) shall not negatively impact neighboring properties. Indicate downspout locations (including pop-up locations) on grading plans.
 - d. Grading plan shall show all structures impacting the plan (i.e. patios, sidewalk, **egress windows** and window wells).

DURING CONSTRUCTION

1. Erosion Control:
 - a. Shall be properly installed silt fence.
 - b. Shall be installed along the perimeter of the property (**do not impede sidewalk**).
 - c. Must be installed prior to any demolition activities.
 - d. Changes may be made to the erosion control at anytime during construction per City inspections (Inspections occur every 2 weeks and after a storm event equally 0.5 inches).
2. If the property has sidewalk:
 - a. Sidewalks are to remain in place and ADA compliant during construction.
 - b. Any damage to the sidewalk must be fixed by permit holder within 3 days notice.
 - c. Permit holder is responsible for removal of debris, snow and ice from sidewalk.
 - d. If the sidewalk needs to be closed for any reason during the construction, the permit holder is responsible for the sidewalk closure and providing the appropriate signage.
3. If changes are made to the driveway:
 - a. Existing driveway apron (in the right-of-way) shall remain in place until a separate right of way permit is secured (per #4 below).
 - b. If driveway (beyond right-of-way) is removed at any time during construction, the permit holder is responsible for the installation of an aggregate construction entrance.
4. Removal of any infrastructure within the City right-of-way (*driveways or sidewalks*) or City infrastructure in easement (*concrete channels*) requires:
 - a. Right-of-Way Permit,
 - b. Bond and Certificate of Insurance,
 - c. Replacement specifications (KCMMB concrete),
 - d. Inspections.

FINAL INSPECTIONS

1. Final grading shall be documented by field survey to match proposed grading plan and submitted prior to sod installation. Any changes to final grading plan shall be made by the surveyor and resubmitted.



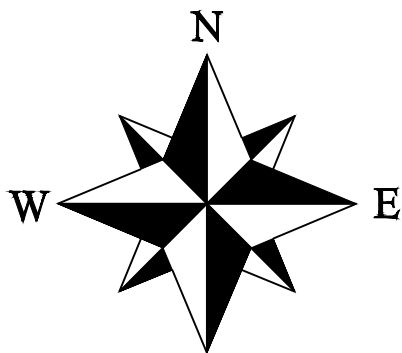
Lot Info

	Existing	Proposed
Lot Size	10,500 sq. ft.	10,500 sq. ft.
Impervious Area	38.9% of site	43.8% of site
Building	1,460 sq. ft. (13.9% of site)	2,199 sq. ft. (20.9% of site)
Hard Surface (including 1/2 of street)	2,622 sq. ft. (25.0% of site)	2,403 sq. ft. (22.9% of site)

* Do not include 1/2 of street in comps as street does not impact lot drainage

Storm Drainage Information

	A	B
Drainage Area ID		
Drainage Area Size	3,092 sq. ft.	5,657 sq. ft.
High Point	503.40	503.40
Low Point	500.89	500.88
Drainage Length	69	129
Runoff Coefficient	0.56	0.44
Impervious Area	1,330 sq. ft.	1,361 sq. ft.
Tc (min)	7.2	9.8
Receiving System	Road R/W	Adjacent Lot
Flow Rates (c.f.s.)		
1 Year	0.14	0.19
10 Year	0.26	0.35
25 Year	0.32	0.42
100 Year	0.40	0.53



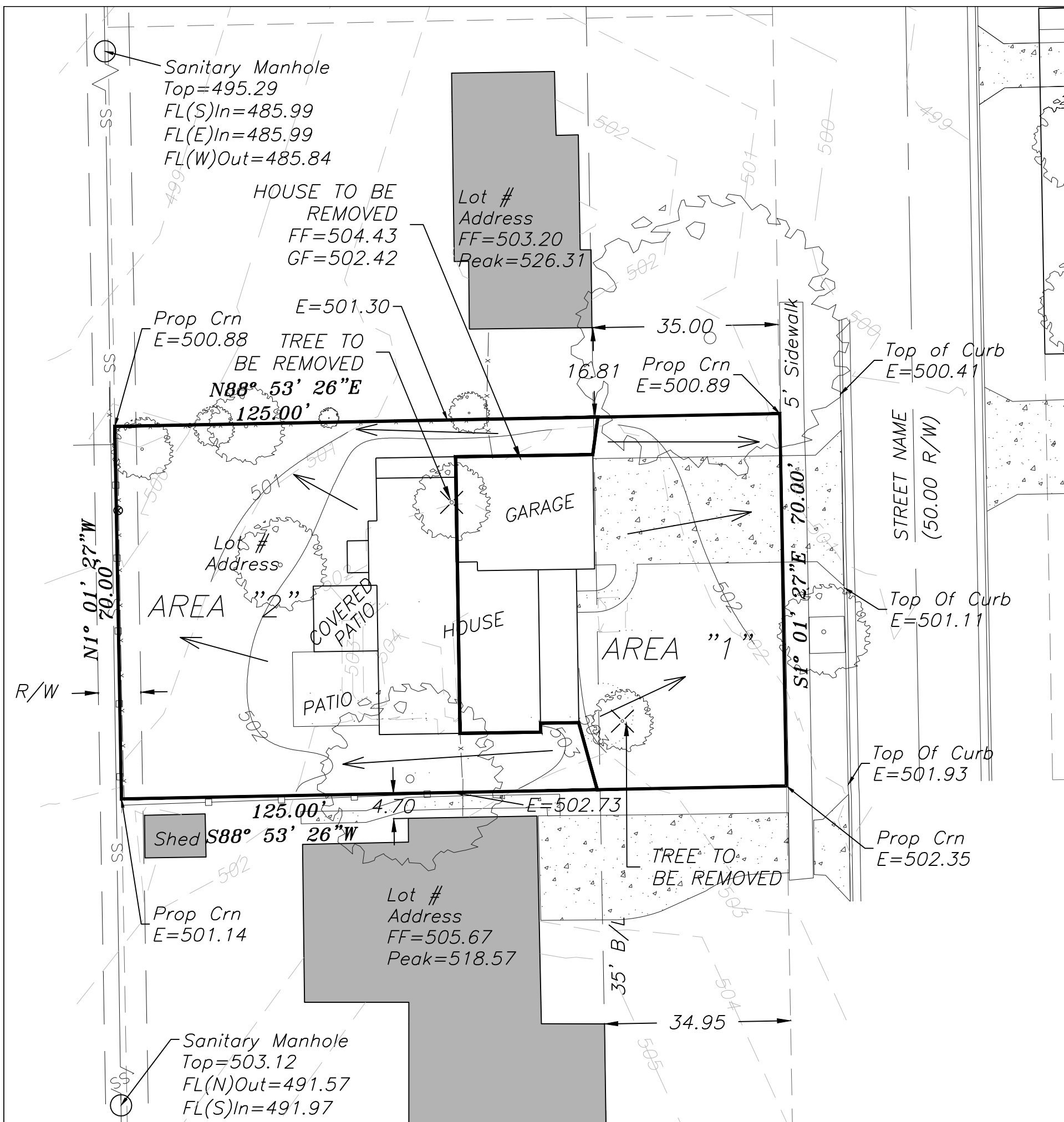
**DRAINAGE MAP
PRE DEVELOPMENT
ADDRESS
PRAIRIE VILLAGE, KS**

12-09-15

Date of Original Preparation

ENGINEERING SOLUTIONS
ENGINEERING & SURVEYING

50 SE 30TH STREET
LEE'S SUMMIT, MO 64082
P:(816) 623-9888 F:(816)623-9849



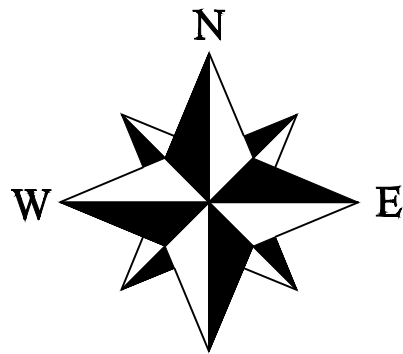
Lot Info

	Existing	Proposed
Lot Size	10,500 sq. ft.	10,500 sq. ft.
Impervious Area	38.9% of site	43.8% of site
Building	1,460 sq. ft. (13.9% of site)	2,199 sq. ft. (20.9% of site)
Hard Surface (including 1/2 of street)	2,622 sq. ft. (25.0% of site)	2,403 sq. ft. (22.9% of site)

*Do not include 1/2 of street in comps as street does not impact lot drainage

Storm Drainage Information

	1	2
Drainage Area ID	1	2
Drainage Area Size	3,814 sq. ft.	4,935 sq. ft.
High Point	503.40	503.40
Low Point	500.89	500.88
Drainage Length	69	129
Runoff Coefficient	0.61	0.45
Impervious Area	1,984 sq. ft.	1,202 sq. ft.
Tc (min)	6.5	9.7
Receiving System	Road R/W	Adjacent Lot
Flow Rates (c.f.s.)		
1 Year	0.21	0.16
10 Year	0.38	0.30
25 Year	0.46	0.36
100 Year	0.58	0.46



**DRAINAGE MAP
POST DEVELOPMENT
ADDRESS
PRAIRIE VILLAGE, KS**

12-09-15

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