

NORTH BASIN CALCULATION SUMMARY:

AREA = 1.8 AC
 C VALUE FOR CALCULATING RELEASE RATE ALLOWED = 0.25
 TIME OF CONCENTRATION = 5 MIN
 5-YR INTENSITY = 5.4 IN/HR
 Q ALLOWABLE = C x I x A = 0.25 x 5.4 x 1.8 = 2.4 CFS

PROPOSED C = 0.7
 50-YR STORAGE VOLUME REQUIRED = 0.134 AC-FT = 5837 CU FT

STORAGE PROVIDED:

Elevation	Area (sf)	Δ Elevation	Δ Volume (cf)	Total Volume (cf)	Total Volume (ac-ft)
713	0	0	0	0	0.000
714	205	1	68	68	0.002
715	3580	1	1547	1615	0.017
715.75	8000	0.75	4233	5848	0.134
716	10655	0.25	2324	8172	0.188

SOUTH BASIN CALCULATION SUMMARY:

AREA = 2.8 AC
 C VALUE FOR CALCULATING RELEASE RATE ALLOWED = 0.25
 TIME OF CONCENTRATION = 10 MIN
 5-YR INTENSITY = 5.0 IN/HR
 Q ALLOWABLE = C x I x A = 0.25 x 5.0 x 2.8 = 3.5 CFS

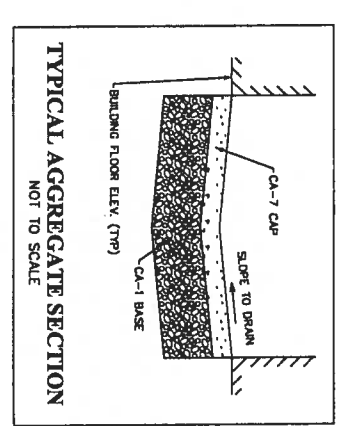
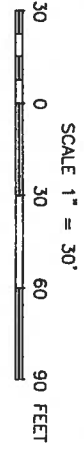
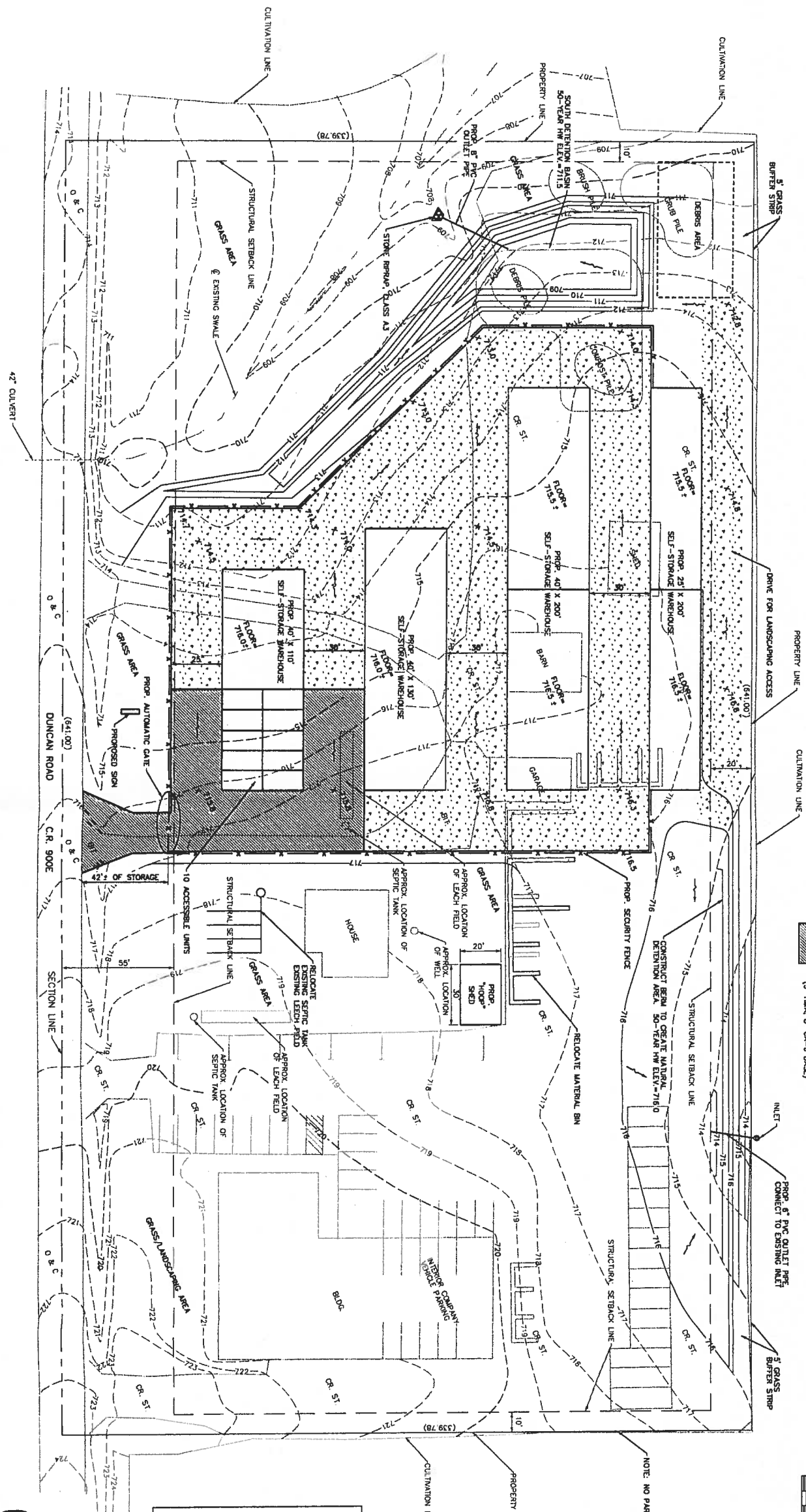
PROPOSED C = 0.65
 50-YR STORAGE VOLUME REQUIRED = 0.195 AC-FT = 8494 CU FT

STORAGE PROVIDED:

Elevation	Area (sf)	Δ Elevation	Δ Volume (cf)	Total Volume (cf)	Total Volume (ac-ft)
708	0	0	0	0	0.000
709	2885	1	695	695	0.015
710	2870	1	2467	3162	0.073
711	3915	1	3331	6493	0.148
711.5	4315	0.5	2031	8525	0.196
712	4835	0.5	2296	10811	0.248

NOTES:

- SUBJECT SITE CONTAINS 5.00 ACRES, MORE OR LESS
- SUBJECT SITE IS CURRENTLY ZONED AG-1 (AGRICULTURAL) BY CHAMPAIGN COUNTY.
- PROPOSED ZONING FOR SUBJECT SITE IS B-1 (RURAL TRADE CENTER DISTRICT). STRUCTURAL SETBACK LINES SHOWN ARE THE REQUIREMENT PER THE CHAMPAIGN COUNTY ZONING ORDINANCE FOR THIS PROPOSED ZONING CLASSIFICATION.
- FULL CUT OFF MOTION DETECTED LIGHTING WILL BE USED ON ALL BUILDINGS.
- TOPOGRAPHIC SURVEY PERFORMED BY FEHR-GRAHAM BASED ON VERTICAL DATUM NAVD 88.
- TOTAL NUMBER OF STORAGE UNITS = 108 MIN. TO 150 MAX.
- SEE SHEETS 2 AND 3 FOR PHASING PLANS.
- OWNER SHALL BE RESPONSIBLE FOR MAINTAINING AGGREGATE DRIVES IN GOOD CONDITION.
- A MINIMUM OF 20' SEPARATION WILL BE REQUIRED BETWEEN BUILDINGS ON THE CONTRACTOR'S FACILITY AND THE STORAGE FACILITY.
- A 6' TALL CHAIN LINK FENCE MAY BE PLACED ALONG THE WEST AND NORTH PROPERTY LINES, SUBJECT TO CASE SPECIFIC SPECIAL CONDITIONS.
- 5% OF STORAGE UNITS ARE REQUIRED TO BE ACCESSIBLE.
- TOTAL PROVIDED = 10 UNITS
- ACCESSIBLE UNITS SHOWN WILL HAVE AUTOMATIC DOOR OPENERS AND PAVED SURFACE ADJACENT TO THE UNITS. SLOPES ALONG PAVED SURFACE SHALL NOT EXCEED 1:50 IN ANY DIRECTION.



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FEHR GRAHAM
 ENGINEERING & ENVIRONMENTAL
 ILLINOIS IOWA WISCONSIN

OWNER/DEVELOPER:
PRAIRIEVIEW LANDSCAPING COMPANY
 1069 COUNTY ROAD 900 EAST
 CHAMPAIGN, IL 61822

PROJECT AND LOCATION:
PRAIRIEVIEW LANDSCAPING COMPANY
 REZONING

DESIGN BY: JDC
 APPROVED BY: CKO
 DATE: 5/06/14
 SCALE: 1"=30'




REVISIONS:

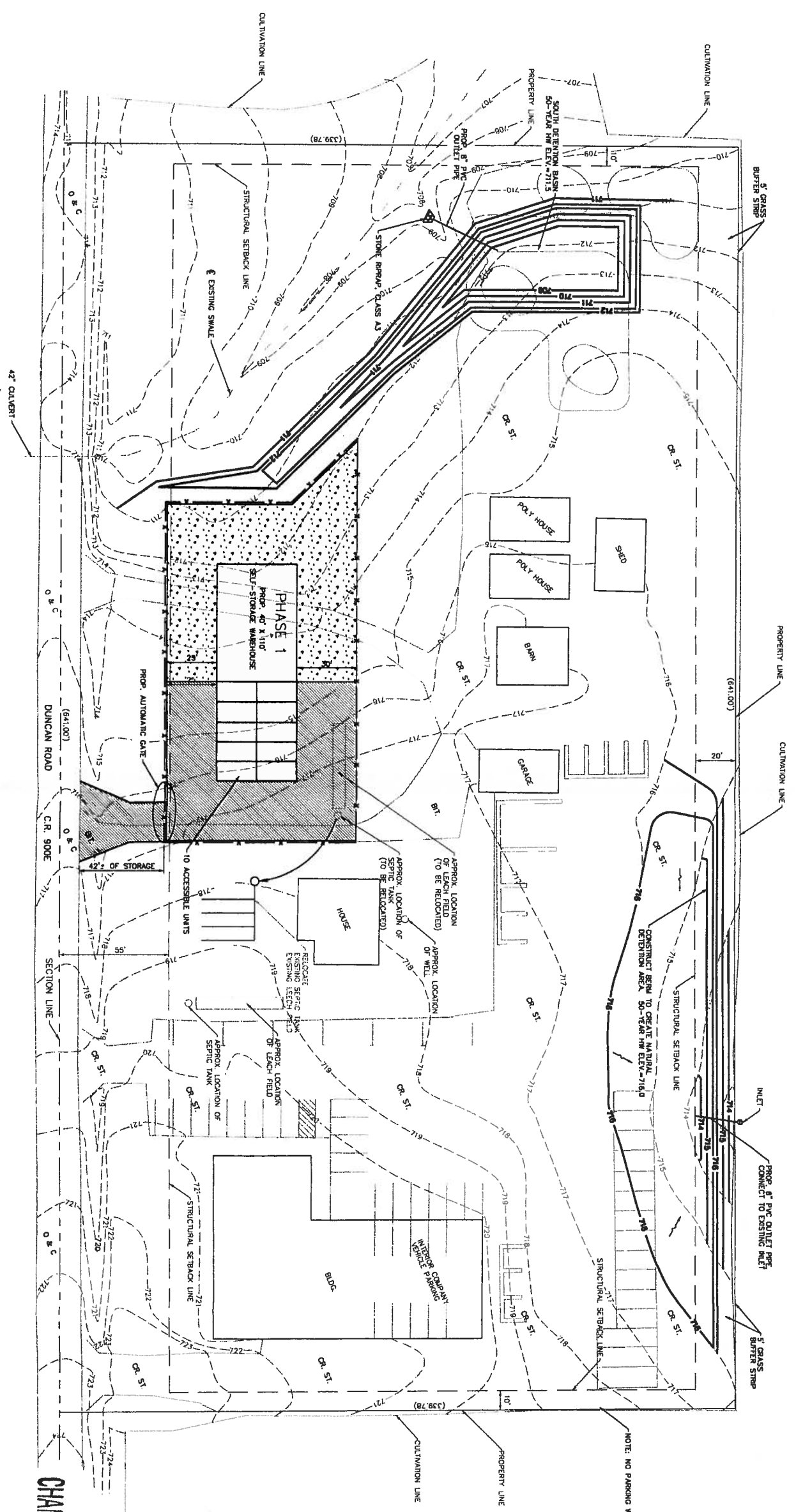
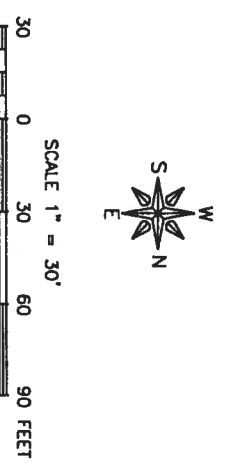
NO.	DESCRIPTION	DATE
1	FOR PLANNING AND ZONING MEETING	7/21/14
2	ACCESSIBILITY	9/2/14

DESIGNED BY:
PRELIMINARY SITE PLAN
ROCK SOLID STORAGE

JOB NUMBER:
14-317

SHEET NUMBER:
1 of 3

 PROPOSED AGGREGATE SURFACE
 PROPOSED ASPHALT PAVEDMENT
 (3" MIN. @ CURB BASE)



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NOTE: NO PARKING WITHIN 5' OF THE PROPERTY LINE

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OWNER/DEVELOPER:
 PRAIRIEVIEW LANDSCAPING COMPANY
 1069 COUNTY ROAD 900 EAST
 CHAMPAIGN, IL 61822

PROJECT AND LOCATION:
 PRAIRIEVIEW LANDSCAPING COMPANY
 REZONING PLAN

DRAWN BY: JAB
 APPROVED BY: CMU
 DATE: 07/09/14
 SCALE: 1"=30'

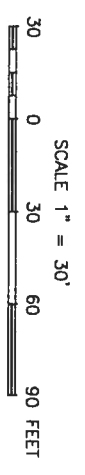
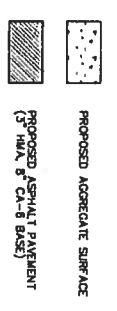
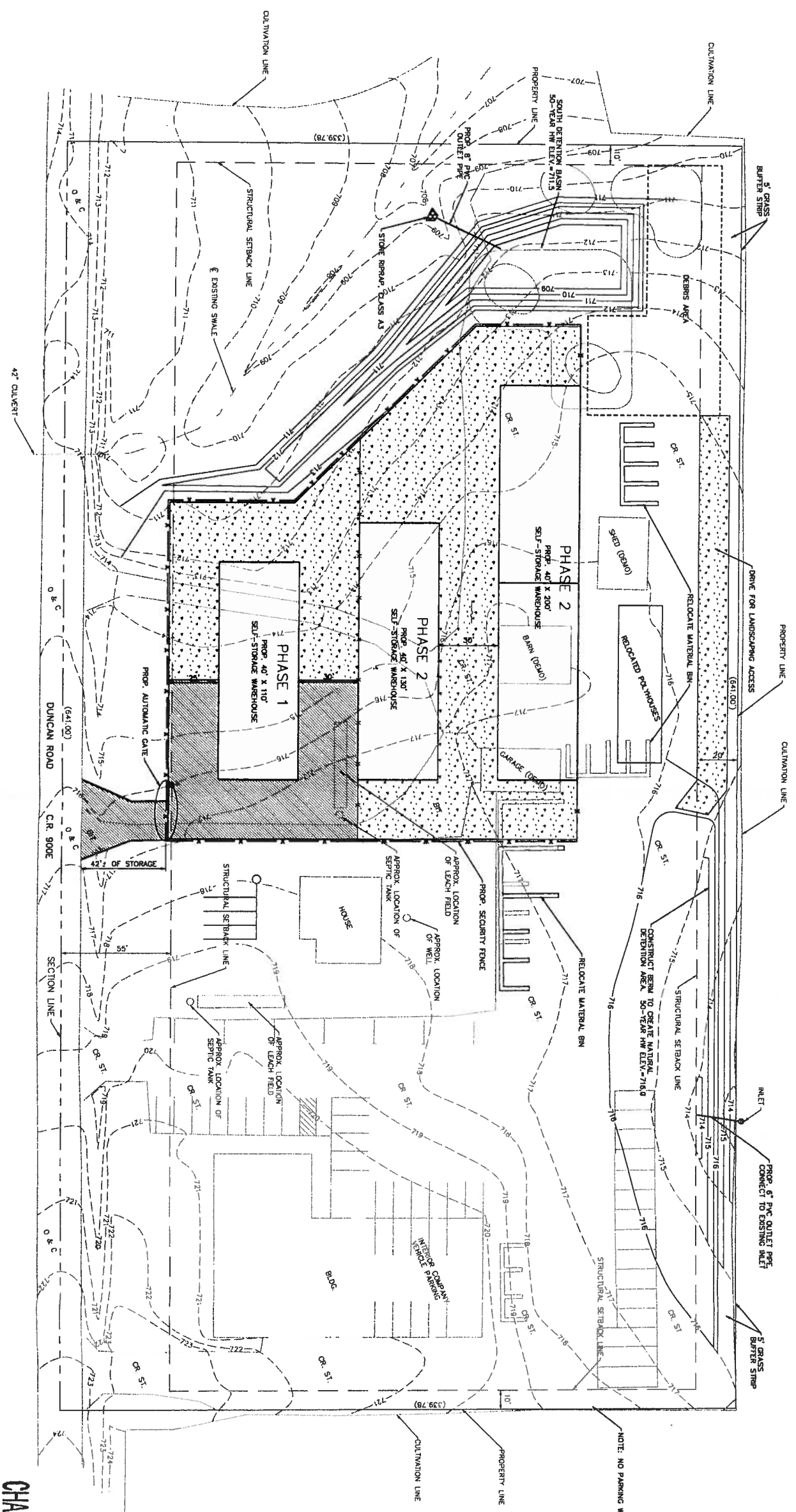
REVISIONS		
NO.	DESCRIPTION	DATE
1	PER PLANNING AND ZONING MEETING	7/10/14
2	ACCESSIBILITY	9/2/14

DRAWING:
 PHASE 1 CONSTRUCTION

JOB NUMBER:
 14-317

SHEET NUMBER:
 2 of 3

REVISIONS		
NO.	DESCRIPTION	DATE
1	PER PLANNING AND ZONING MEETING ACCESSIBILITY	7/10/14
2		9/2/14



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