Lincoln-Lancaster County Health Department
Environmental Public Health Division (402) 441-8027
3140 N Street Lincoln, NE 68510-1514

ON-SITE WASTE WATER SYSTEM
CONSTRUCTION - INSTALLATION PERMIT

No. HS000477

System Type: STANDARD

Situs: 6600 WILDFLOWER LN

Legal Description: T08N-R07E-S16-1-Lot 3

Owner: RECTOR, JERRY & PATRIA
7110 S 40 ST
LINCOLN NE
68516

Permit Fee:	$335.00
Variance Fee:	$0.00
Extension Fee:	$0.00
Total Fees:	$335.00
Issued:	04/07/2011
Expires:	04/06/2012

Judith A Halstead

Judith A. Halstead, MS, Health Director

On-site Waste System Permit Holder:

The above document is your permit to construct a new On-site Waste Water System at the location listed. Please contact this office once the sytem is complete in order to schedule a final inspection before use.

Judith A Halstead

Judith A. Halstead, MS
Health Director

MK BUILDERS INC
3945 S 47TH
LINCOLN NE 68506

LLCHD HS000477

MATT KARL 560-7951

Lincoln-Lancaster County Health Department
Environmental Public Health Division
3140 N Street • Lincoln NE 68510-1514
Phone: 402-441-8643

A

Permit Number HS000477

Onsite Wastewater Treatment System Request for Site Clearance and Permit

Include Form B and C. Submit correct fee with this Application

3 acres or more required for: ☒ Septic System ☐ Lagoon ☐ Other (Refer to Form C)

The undersigned hereby requests site clearance and permit to construct a Wastewater Treatment System in conformance with appropriate regulations.

PLEASE PRINT OR TYPE

A. Onsite System Location

Address 6600 Prairie Flower Ln. (no rural route) City ROCA, NE Zip 68430

Legal Description ~~Wildflower In.~~ 16, 8, 7, The Preserve at CrossCreek Original 1, 3

1/4 1/4 Section Township Range Subdivison Addition Block Lot

Geographical Location (if known): Lat/Long: PID

B. Owner

Name Jerry & Patria Rector Signature

Address 7110 S. 40th City/State/Zip Lincoln, NE 68516

Home Phone Work Phone 402-326-0765

C. Certified Installer

Name: Paul Weber Well Signature Paul Weber

Address 10133 Willow Cove Lane City/State/Zip Firth 68358

Work Phone (402) 580-8310

D. Engineer

☐ **Check and complete if engineer designed system** P.E. License Number:

Designer Name Firm Work Phone

E. This system will serve a

☒ Residential Dwelling Number of Bedrooms 5 Is there a Whirlpool Bathtub? ☒ Yes ☐ No Total Acres 5.35

☐ Commercial Establishment/Other Facility Specify Design flow in gallons per day

Type of Wastewater ☒ Domestic ☐ Non-Domestic Well Permit Applied for ☐ Yes ☒ No ☐ Not Applicable

DO NOT WRITE BELOW THIS LINE

Approval Process ☐ Municipal Code 24.38 ☒ County Resolution No. 02-30

1. Health Department
Site visits
Date rec'd 4/6/11
Date frwd 4/6/11
ACTION ☒ Approved ☐ Disapproved
Signature

2. Supt. Bldg. Insp. or Village Clerk
Comments
Date rec'd 4-6-11
Date frwd 4-6-11
ACTION ☒ Approved ☐ Disapproved
Signature

3. City or County Engineer
Comments
Date rec'd 4-6-11
Date frwd 4-6-11
ACTION ☒ Approved ☐ Disapproved
Signature Jim Pluym

Installation Final Written Approval
By
Date

Business Office Use Only
Date Received 4-7-11 Amount Paid 335.-
Received By JH Cash/Check No. 1166

White - Health Department Yellow - Engineer Pink - Building & Safety

Form A Updated: 5/10

4-7-2011 13:53:48

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

B

Permit Number:

Sewage Disposal System
Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

THE MEADOWS AT SALT CREEK 5TH ADD LOT 3 Block 1

System Location (indicate correct number and street)

Address 6600 PRAIRIEflower LANE City ROCA NE, Zip 68430
(no rural route)

Owner Jerry + Patria Rector Address 7110 S. 40th Lincoln, NE 68516

Soil Type (SCS): _____ Percolation Rate: _____ min./inch

Date of Tests 11-26-07 to 11-27-07 Weather: Precipitation 0 Temperature 58

Percolation Test Data Table

A.	B.	C. D. E. F. Pre-Saturation Period				G. H. I. J. K. Percolation Readings					L. M. N. Results		
		Start		End		Start			End				
Hole No.	Hole Depth (in)	Date (Mo/Da)	Time (Hr/Min)	Date (Mo/Da)	Time (Hr/Min)	Date (Mo/Da)	Time (Hr/Min)	Water Lev (in.)	Date (Mo/Da)	Time (Hr/Min)	Elapsed Time (min)	Water Level Drop (in)	Percolation Rates (Min/in)
1	60	11-26	10:45	11-27	10:45	11-27	10:45	6	11-27	11:15	30	1/2	60
2	61	"	"	"	"	"	"	"	"	"	"	5/8	48
3	59	"	"	"	"	"	"	"	"	"	"	7/8	34
4	62	"	"	"	"	"	"	"	"	"	"	5/8	48
5	61	"	"	"	"	"	"	"	"	"	"	1/2	60
6	61	"	"	"	"	"	"	"	"	"	"	1	30

Person Conducting Percolation Tests

Name: BENJAMIN ERICKSEN

Phone: [illegible]

Address 4810 "O" CIRCLE
LINCOLN NE 68510

Sum of Percolation Rates: 280
Average of Rates: 46.6
Rate Used for Calculation: 60

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

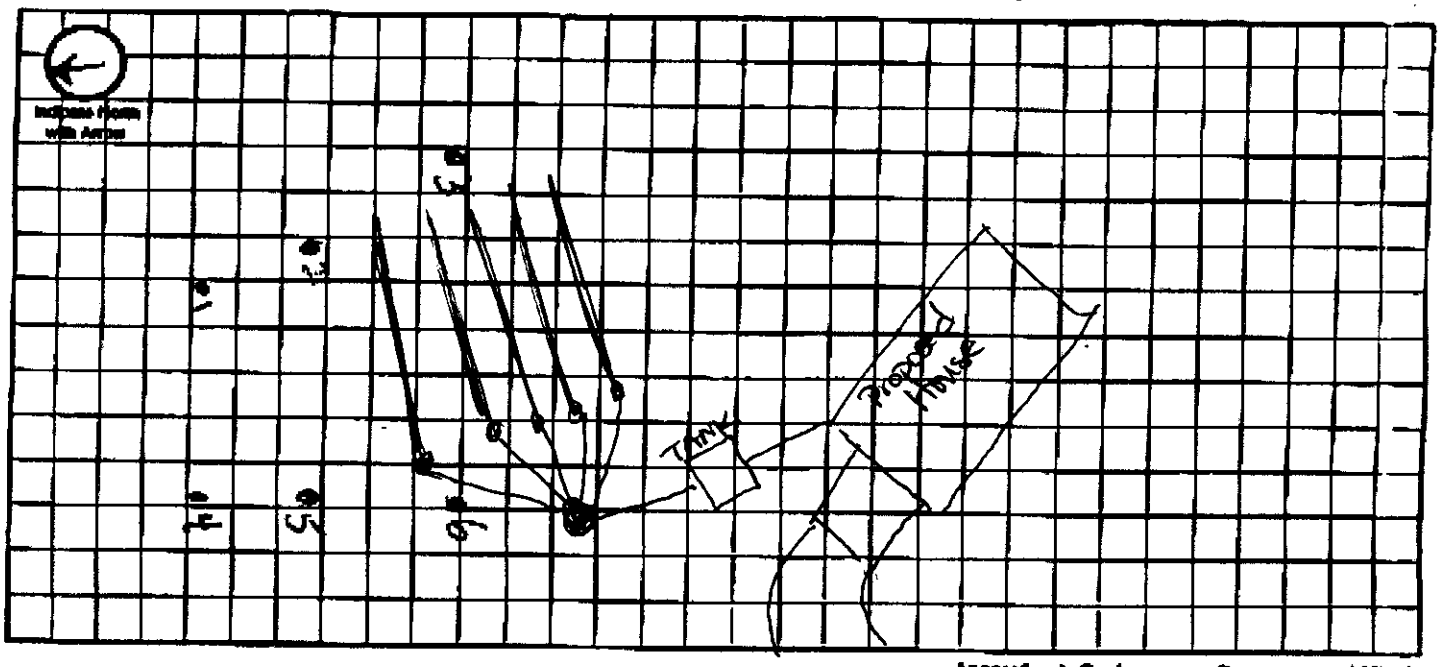
Permit Number:

Sewage Disposal System

Preliminary Plan Specifications

THE PRESERVE AT CROSS CREEK LOT 3 Block 1 PRAIRIE FLOWER LA.

Draw a plot plan showing system location, lines, distribution box, tank and laterals, percolation test hole locations, well, residence, compass direction and property lines. Indicate on drawing if residence and well are existing or proposed.



Approximate Scale: _____ ft. = _____ grid blocks

A. System Location (Indicate correct number and street)

Address (no rural route) 6000 Prairie Flower LA. City ROCA NE, Zip 68430

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

C. Proposed Absorption System (See Form B for Percolation Information)

Percolation Rate 46 (min. per inch) Soil Type: Clay Land Slope: < 10 %

Type of Absorption System: ☒ Trench ☐ Bed ☐ Other laterals

Total Square Feet of Field Required: 1750 sq. ft.

Type of Lateral: ☒ Half-Moon ☐ Perforated Pipe ☐ Other Lateral Material: _____

Capacity of Septic Tank: 1750 gals Number of Absorption Beds: 3 Number of Distribution Laterals per Bed _____

Total Length of Laterals 440 ft. Number of Trenches 5 Trench Width 4'

D. Setbacks Check the Boxes Below if the Required Setback has been Satisfied

Distance From	Private Well	Public Well	Surface Water	Ground Water	Pressure Water Lines	Property Lines	Foundations Yours	Foundations Neighbors	All Other Setbacks
Tank (ft)	50 ☑	500 ☑	50 ☑	NA ☑	25 ☑	20 ☑	15 ☑	25 ☑	☑
Field (ft)	100 ☑	500 ☑	50 ☑	4 ☑	20 ☑	20 ☑	30 ☑	40 ☑	☑
Lagoon (ft)	100 ☐	500 ☐	50 ☐	N/A ☐	20 ☐	50 ☐	100 ☐	200 ☐	☐

E. Required Signatures

Home Building Contractor _____ Date 3-31-11

Installer Paul Weber Well #C1547 Date 3-31-11

LLCHD HS000477

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

D

Permit Number:

Sewage Disposal System
As Built Plans & Specifications

Date _____

System Location (Indicate correct number and street)

Address _____ City _____ NE, Zip _____
(no rural route)

A. Building Sewer

1. Material: # Sch 40 PVC
   Diameter: 4" in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 24 in.
3. Distance between dwelling and septic tank: > 50 ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line > 100 ft.
   stream > 50 ft.
   pressure line > 30 ft.
   property line > 20 ft.

B. Septic Tank

1. Material: Cement
   Number of compartments: 1
2. Capacity: 1750 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 6" in.
   Over outlet, diameter 6" in.
   Riser: ☐ above ☒ below grade < 12 in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: < 12 in.
8. Distances to: Well or suction line > 100 ft.
   Stream > 50 ft.
   Pressure line > 30 ft.
   Property line > 20 ft.

C. Distribution Box

1. Material: Cement
   Number available outlets: 6
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 15 ft.

D. Absorption Field

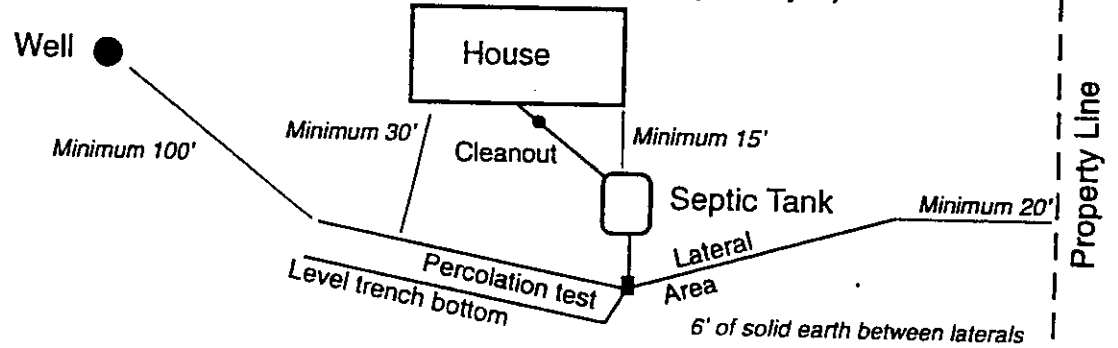
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 4"
   or perforated pipe: _____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 4 40'
   Length of each line: 82 ft. 88 ft.
   82 ft. 88 ft., 88 ft.
3. Trench dimensions: Width 4' ft.
   Slope < 2" in/100 ft.
   Average depth 30" in
4. Filter material: no gravel - dirt
   Depth of material _____ in.
5. Distances to: Well or suction line > 100 ft.
   Stream > 50 ft.
   Pressure line > 30 ft.
   Property line > 20 ft.

Indicate North with Arrow

Complete "As Built" drawing on back of this form.

Individual Sewage System Design (Example)

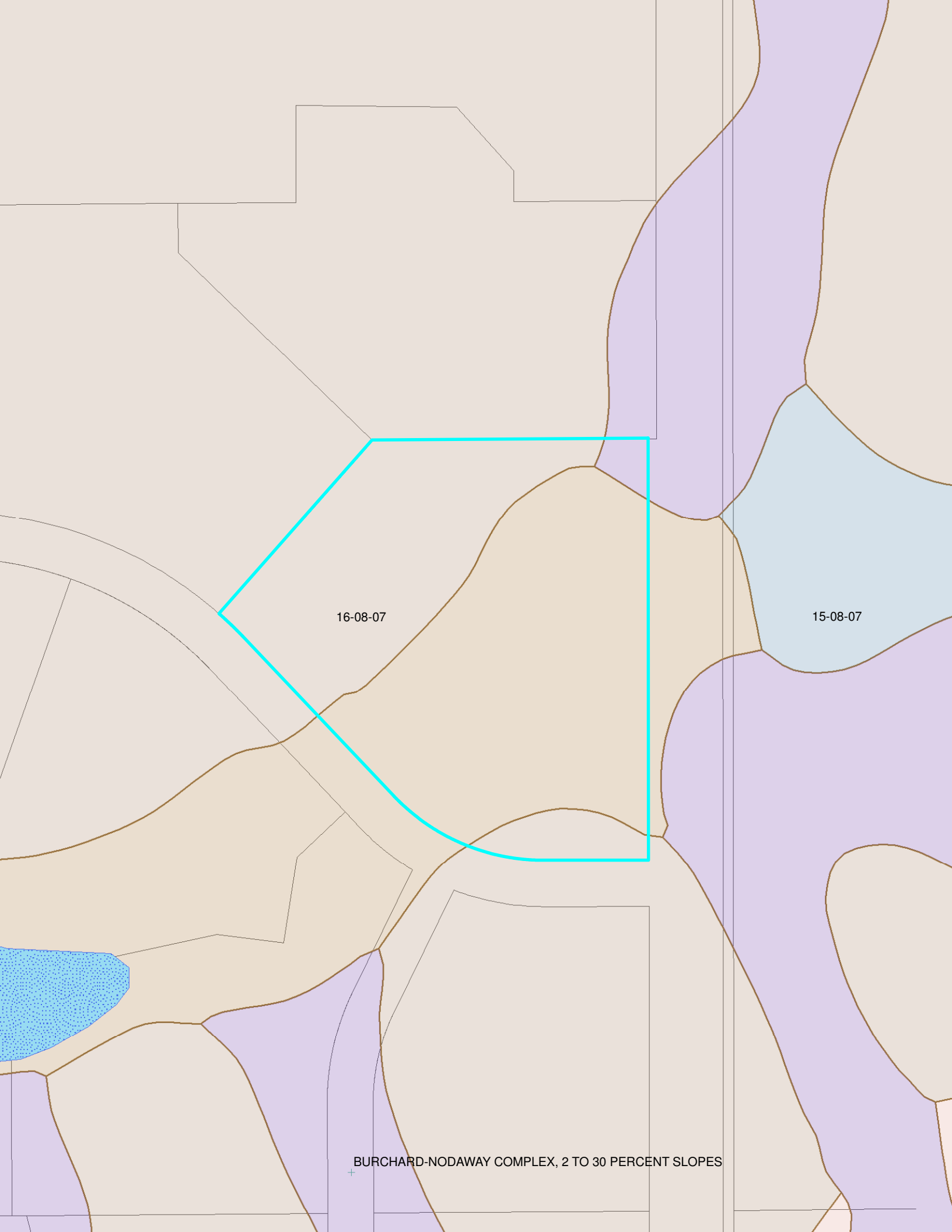


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4-7-2011 13:53:52

LLCHD HS000477

RESIDENTIAL DRAFTING SERVICES, INC.
HOME DESIGN - CONSTRUCTION PLANS - ADDITIONS - REMODELING
(402)420.2532 LINCOLN NE

BUILDER'S NOTES:


16-08-07
15-08-07
BURCHARD-NODAWAY COMPLEX, 2 TO 30 PERCENT SLOPES

011406

Lincoln-Lancaster County Health Department
Environmental Public Health Division (402) 441-8027
3140 N Street Lincoln, NE 68510-1514

ON-SITE WASTE WATER SYSTEM
CONSTRUCTION - INSTALLATION PERMIT

No. HS000477

System Type: STANDARD

Situs: 6600 WILDFLOWER LN

Legal Description: T08N-R07E-S16-1-Lot 3

Owner: RECTOR, JERRY & PATRIA
7110 S 40 ST
LINCOLN NE
68516

Permit Fee:	$335.00
Variance Fee:	$0.00
Extension Fee:	$0.00
Total Fees:	$335.00
Issued:	04/07/2011
Expires:	04/06/2012

Judith A Halstead

Judith A. Halstead, MS, Health Director

On-site Waste System Permit Holder:

The above document is your permit to construct a new On-site Waste Water System at the location listed. Please contact this office once the sytem is complete in order to schedule a final inspection before use.

Judith A Halstead

Judith A. Halstead, MS
Health Director

MK BUILDERS INC
3945 S 47TH
LINCOLN NE 68506

SCANNED

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

B

Permit Number:

Sewage Disposal System
Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

The PRESSURE AT CROSS GREEN LOT 3 Block 1

System Location (Indicate correct number and street)

Address 6600 PRAIRIEflower LANE City ROCA NE, Zip 68430
(no rural route)

Owner Jerry + Patria Rector Address 7110 S. 40th Lincoln, NE 68516

Soil Type (SCS): _____ Percolation Rate: _____ min./inch

Date of Tests 11-26-07 to 11-27-07 Weather: Precipitation 0 Temperature 58

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6	61	"	"	"	"	"	"	"	"	"	"	1	30

Person Conducting Percolation Tests

Name: Melvin Ekoner
Phone: 432-5200
Address 4810 "O" (Clark Dr.
Lincoln NE 68523

Sum of Percolation Rates: 280
Average of Rates: 46.6
Rate Used for Calculation: 60

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of

SCANNED

C

Permit Number:

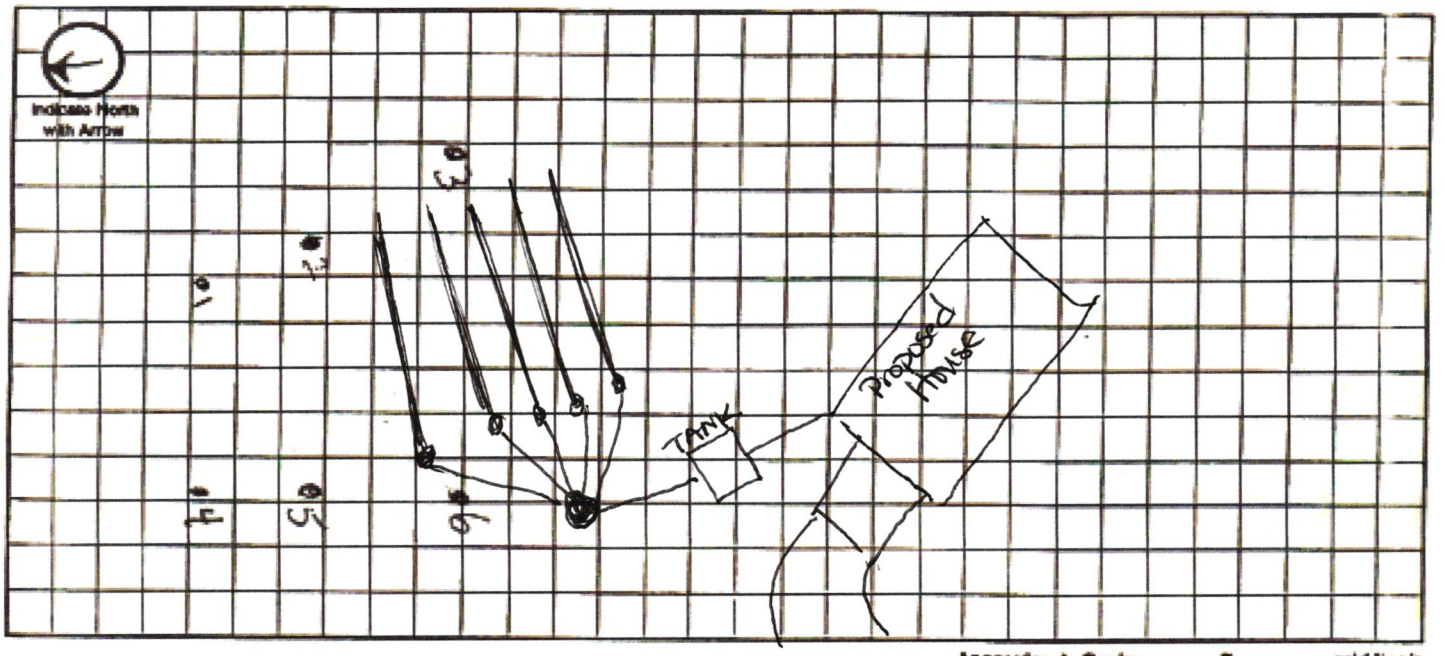
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

Sewage Disposal System

Preliminary Plan Specifications

THE PRESERVE AT CROSS CREEK LOT 3 Block 1 PRAIRIE FLOWER LA.

Draw a plot plan showing system location, lines, distribution box, tank and laterals, percolation test hole locations, well, residence, compass direction and property lines. Indicate on drawing if residence and well are existing or proposed.



Approximate Scale: _____ ft. = _____ grid line's

A. System Location (Indicate correct number and street)

Address (no rural route) 6000 PRAIRIE FLOWER LA. City ROCA NE, Zip 68430

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

C. Proposed Absorption System (See Form B for Percolation Information)

Percolation Rate 46 b (min. per inch) Soil Type: Clay Land Slope: < 10 %

Type of Absorption System: ☒ Trench ☐ Bed ☐ Other laterals

Total Square Feet of Field Required: 1750 sq. ft.

Type of Lateral: ☒ Half-Moon ☐ Perforated Pipe ☐ Other Lateral Material: _____

Capacity of Septic Tank 1750 gals Number of Absorption Beds: 3 Number of Distribution Laterals per Bed _____

Total Length of Laterals 440 ft. Number of Trenches 5 Trench Width 4'

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E. Required Signatures

Home Building Contractor _____ Date 3-31-11

Installer Paul Weber Well #C1847 Date 3-31-11

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

SCANNED

D

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date _____

System Location (Indicate correct number and street)

Address _____ City _____ NE, Zip _____
(no rural route)

A. Building Sewer

1. Material: # Sch 40 PVC
   Diameter: 4" in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 24 in.
3. Distance between dwelling and septic tank: > 50 ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line > 100 ft.
   stream > 50 ft.
   pressure line > 30 ft.
   property line > 20 ft.

B. Septic Tank

1. Material: Cement
   Number of compartments: 1
2. Capacity: 1750 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 6" in.
   Over outlet, diameter 6" in.
   Riser: ☐ above ☒ below grade 0 < 12 in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: < 12 in.
8. Distances to: Well or suction line > 100 ft.
   Stream > 50 ft.
   Pressure line > 30 ft.
   Property line > 20 ft.

C. Distribution Box

1. Material: Cement
   Number available outlets: 6
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 15 ft.

D. Absorption Field

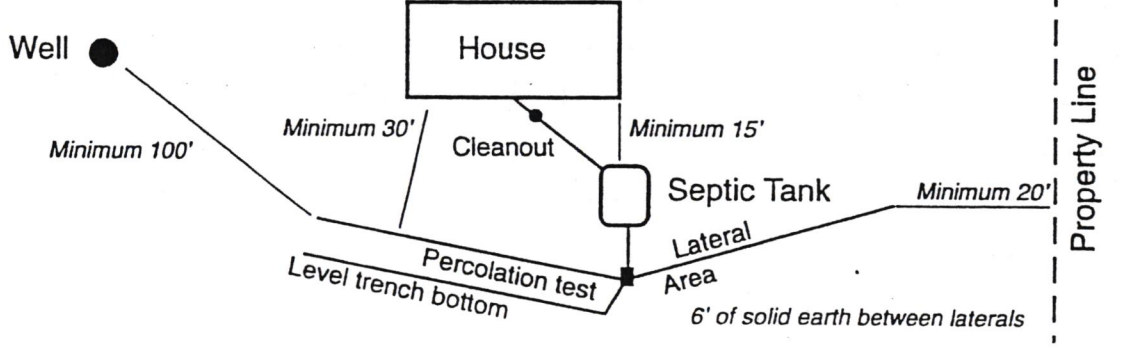
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 4"
   or perforated pipe: _____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 4 40'
   Length of each line: 88 ft. 88 ft.
   88 ft. 88 ft., 88 ft.
3. Trench dimensions: Width 4' ft.
   Slope < 2" in/100 ft.
   Average depth 30" in
4. Filter material: no gravel - dirt
   Depth of material _____ in.
5. Distances to: Well or suction line > 100 ft.
   Stream > 50 ft.
   Pressure line > 30 ft.
   Property line > 20 ft.

Complete "As Built" drawing on back of this form.

Indicate North with Arrow

Individual Sewage System Design (Example)



RESIDENTIAL DRAFTING SERVICES, INC.

HOME DESIGN - CONSTRUCTION PLANS - ADDITIONS - RENDERINGS

(402)420.2332 LINCOLN NE

- MIN. 1/2" THERMAL BREAK BETWEEN BASEMENT SLAB AND WALKOUT FOUNDATION
- ADD AN ELECTRICAL GROUNDING METEOR FOR STEEL REINFORCEMENT
- USE AC2 TREATED OR EQUAL FOR FRAMING PLATE
- MINIMUM OF 2500 LBS COMPRESSIVE STRENGTH FOR FOUNDATION WALLS
- STEEL REINFORCEMENT PER IRC 2006 (403.1)

FRAMING CONSTRUCTION NOTES:

- DESIGN LOADS FOR FLOOR ARE 40 PSF LIVE LOAD - 10 PSF DEAD
- DESIGN LOADS FOR ROOF ARE 30 PSF LIVE LOAD - 10 PSF DEAD
- DESIGN LOADS FOR CEILINGS ARE 10 PSF LIVE LOAD - 5 PSF DEAD
- ENGINEERED TRUSSES (MANUFACTURER) WILL PROVIDE SUPPLEMENTAL PLANS FOR ROOF AND/OR FLOOR
- FLOOR DEFLECTION WILL BE L/360 UNDER 16'-6" & L/480 OVER 16'-6"
- INTERIOR WALLS & PARTITIONS @ 1/2 OR IRC 2006
- HALLS OVER 12'-0" SHALL BE 2X6 CONSTRUCTION OR NOTED
- ALL WALL CAVITIES OVER 10'-0" SHALL HAVE FIRE/DRAFT BLOCKING
- MINIMUM GARAGE CEILING HEIGHT OF 8'-1" WHERE APPLICABLE
- ALL FRAMING MEMBERS TO STACK, WITH 3" MIN. BEARING FOR ALL POINT LOADS
- ADJUST FLOOR SYSTEM (JOISTS) TO ACCOMMODATE STOOLS AND FLUES
- USE LUMBER GRADE TO MEET BUILDING CODES
- FASTENING FLOOR FRAMING SHALL BE NAILED AND GLUED IN ACCORDANCE TABLE R602.3(1) IRC 2006
- TYPICAL ROOF SHEATHING 7/16" OSB APA RATED 24/16 EXPOSURE
- USE 3/4" T&G OSB SUBFLOOR GLUED AND NAILED APA 48/24 RATED
- FLOOR CANTILEVER SHALL USE STRUCTURAL RIM JOISTS WHERE LOADS APPLY
- CANTILEVER FLOOR JOIST OVER GARAGE DOOR SHALL HAVE MIN. 5/8" TYPE-X SHEETROCK
- ALL FLOOR, ROOF & WALL WOOD MATERIALS MUST BE TREATED WHEN FASTENED TO FOUNDATION WALLS
- ANY WOOD BELOW GRADE, OR WITHIN 8" OF GRADE SHALL BE TREATED
- ALL LOAD BEARING DIMENSION LUMBER TOP JOISTS, BEAM OR GIRDERS SHALL BE IDENTIFIED
- MANUFACTURER SHALL PROVIDE SUPPLEMENTAL PLANS FOR I-JOISTS AND FLOOR TRUSSES

INTERIOR & MISCELLANEOUS NOTES:

- ALL EXHAUST FANS TO BE VENTED TO AN OUTSIDE AIRSPACE.
- ALL BEDROOMS & EACH LEVEL MUST HAVE A SMOKE DETECTOR WIRED TOGETHER/BATT. BACK-UP.
- WINDOW OPENINGS SHALL HAVE A MIN. OF 44" AFF TO CLEAR EGRESS.
- MIN. NET CLEAR OPENING OF 5.7 SF (MIN. 20" W. & MIN. 24" H.)
- ALL SLEEPING ROOMS SHALL HAVE AT LEAST ONE OPERABLE DOOR OR WINDOW WHICH COMPLIES WITH THE IRC FOR EGRESS
- WINDOWS IN HABITABLE SPACES SHALL MEET LIGHT REQ. OF 8& OF ROOM SIZE TO VISIBLE GLASS SIZE RATIO.
- ALL GLAZING SHALL BE SAFETY GLAZING IN BOTH SLIDING AND SWING SLIDING DOORS, IN ADJACENT PANELS WHOSE NEAREST VERTICAL EDGE IS WITHIN 24" OF A DOOR AND WHOSE BOTTOM EDGE IS LESS THAN 60" ABOVE THE WALKING SURFACE, AND IN SHOWER/BATHTUB DOORS AND ENCLOSURES OR AS OTHERWISE REQUIRED BY CODE.
- HALLWAYS MIN. 36" FINISHED WIDTH.
- USE 1/2" SHEET ROCK PROTECTION UNDER FINISHED BASEMENT STAIRS.
- HANDRAILS SHALL BE PROVIDED ON AT LEAST ONE SIDE OF EACH CONTINUOUS RUN OF TREADS OR FLIGHT WITH 4 OR MORE RISERS.
- HANDRAIL HEIGHT MEASURED VERTICALLY FROM THE SLOPED PLANE ADJOINING THE TREAD NOSING OR FINISH SURFACE OF RAMP SLOPE, SHALL BE NOT LESS THAN 34" AND NOT MORE THAN 38".
- HANDRAILS WITH A CIRCULAR CROSS SECTION SHALL HAVE A MIN. OUTSIDE DIMENSION OF 1-1/4" DIA., NOT GREATER THAN 2-5/8" DIA.
- MIN. HEADROOM IN ALL PARTS OF THE STAIRWAY SHALL NOT BE LESS THAN 6'-8" MEASURED VERTICALLY FROM SLOPE PLANE OF TREAD, LANDING, OR PLATFORM.
- MIN. TREAD SHALL NOT BE LESS THAN 10"
- MAX. RISER HEIGHT SHALL BE 7-3/4"
- ALL TREADS SHALL MAX OF 1" NOSING.
- SPIRAL STAIRCASES SHALL HAVE MANUFACTOR'S PLANS ATTACHED FROM SUPPLIER.
- HOUSE-TO-GARAGE ACCESS DOOR SHALL HAVE SOLID WOOD CORE, 1-3/8" HONEYCOMB STEEL OR A MIN. 20 MINUTE FIRE RATING.
- MAXIMUM STEP INTO FRONT ENTRY @ 7-3/4" RISE

STEEL BEAM & LINTELS NOTES:

- ALL STEEL BEAMS SHALL BE SIZED BY SUPPLIER
- MINIMUM 3" BEARING ON ALL BEAM POCKETS AND POSTS
- STEEL POST SHALL BE ANCHOR WITHIN CONCRETE SLAB OR BOLTED
- POST FLANGE SHALL BE BOLTED OR WELDED TO STEEL BEAM
- BASEMENT BEAMS MINIMUM 6'-6" HEADROOM FINISHED
- ALL EXTERIOR STEEL SHALL BE PRIMED AGAINST RUST OR DECAY
- ALL LINTELS SHALL HAVE A 3" MINIMUM BEARING ON SOLID MASONRY
- ALL BOLTS SHALL COMPLY WITH ASTM A325 UNO

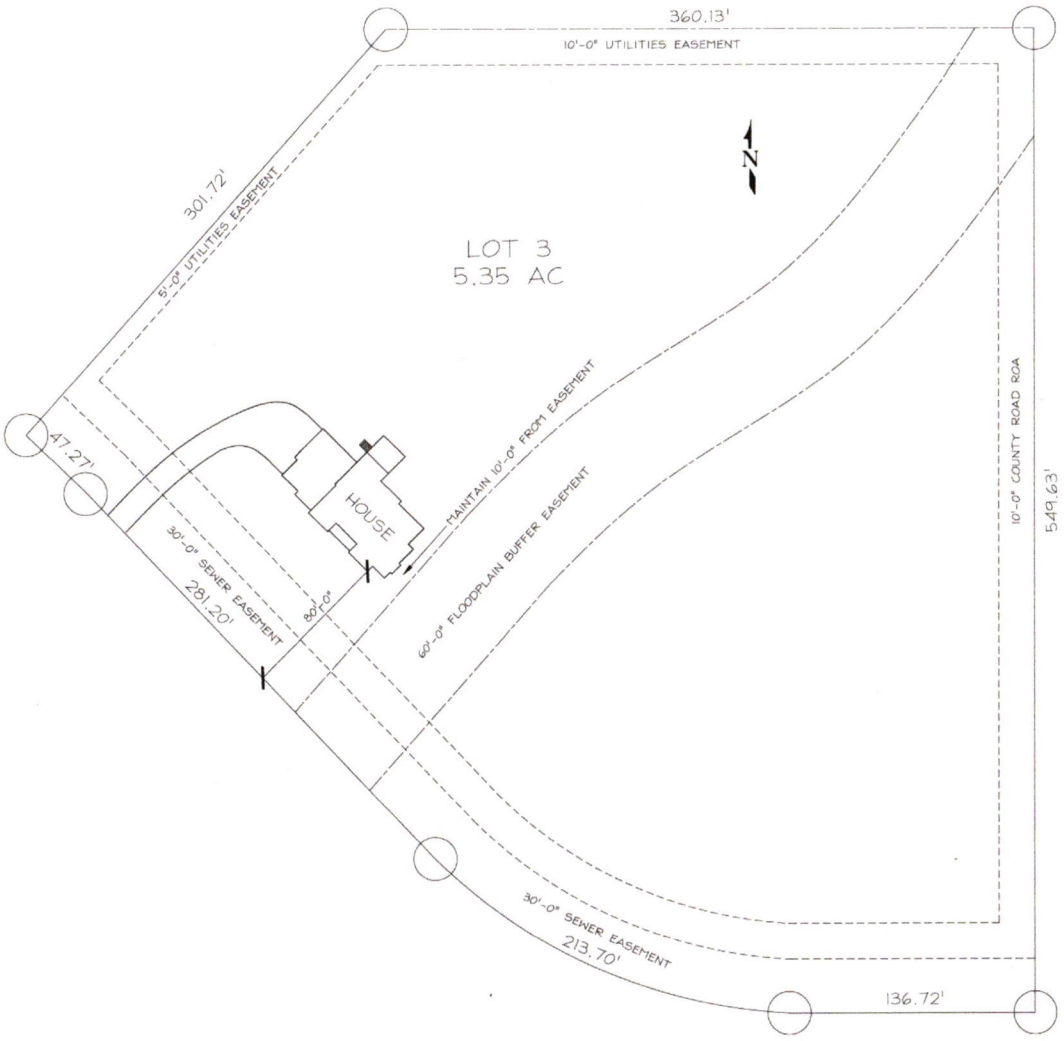
HEADER CONSTRUCTION NOTES:

- ADJUST @ 0. HEIGHT FOR TRANSOM WINDOWS
- TYPICAL WINDOW HEADER SET @ 82-3/4" A.F.F. UNLESS NOTED
- TRUSS ENGINEERING PLANS WILL SPECIFY ALL HEADERS/BEAMS IN CONJUNCTION WITH TRUSSES
- UNDER 4'-0" USE 2-2X12 (USE 3 WITH 2X6 WALL) SPF #2 DTR W/ PLYWOOD FILLER FOR ALL EXTERIOR HEADERS UNLESS NOTED, EXCEPT WHEN USE W/ TRUSS ENGINEERING
- USE THE INTERIOR HEADER SCHEDULE BELOW (LOAD BEARING AREAS)
  - UNDER 4'-0" USE 2-2X8 SPF #2 DTR
  - 4'-0" TO 8'-0" USE 2-2X10 SPF #2 DTR
  - 8'-0" TO 12'-0" USE 2-2X12 SPF #2 DTR
  - 12'-0" AND OVER WILL BE NOTED
  - USE 2-2X4 SPF #2 DTR IN NONBEARING APPLICATIONS
- ALL HEADERS AND BEAMS OVER 8'-0" IN LENGTH SHALL REQUIRE (2) TRIMMERS
- ADJUST DOOR HEADERS TO ACCOMMODATE FLOORING MATERIALS (I.E. 3/4" HARDWOOD FLOOR)

INSULATION & ENERGY CONSERVATION NOTES:

- VAPOR BARRIER = MAX 1.0 PERM IN UNVENTILATED CEILINGS.
- ATTIC INSULATION DEPTH MARKERS EVERY 300 SQ FT. DISTRIBUTED EVENLY FACING ATTIC ACCESS
- EXTERIOR JOINTS, BEAMS OR PENETRATIONS IN THE BUILDING ENVELOPE, THAT ARE SOURCES OF AIR LEAKAGE, SHALL BE SEALED WITH A DURABLE CAULKING MATERIALS, SEALED WITH GASKETING SYSTEMS, TAPED OR COVERED WITH MOISTURE VAPOR-PERMEABLE HOUSEWRAP.
- THERMOSTAT - CAPABLE OF BEING SETBACK.
- ALL DUCT JOINTS, INCLUDING DRIVES AND CLEATS AND ADJUSTING SEAMS, SHALL BE SEALED WITH TAPE AND/OR MASTIC. TAPE AND/OR MASTIC SHALL BE UL-181 A OR B RATED FOR DUCT SEALING. UL-181 RATED TAPE SHALL HAVE THE "UL-181" SHOWN ON THE FACE OF THE TAPE (FOIL FACE FOIL AND DUCT TAPE ARE NOT PERMITTED).
- ALL DUCTWORK OUTSIDE THE CONDITIONED ENVELOPE MUST BE INSULATED: SUPPLY = 6.0 OR BETTER RETURNS IN UNCONDITIONED ATTIC OR OUTSIDE OF THE BUILDING = R-4 OR BETTER. RETURNS IN UNCONDITIONED CRAWL SPACE, GARAGE OR OTHER = R-3 OR BETTER.
- ALL DUCTWORK SHALL BE LOCATED WITHIN THE CONDITIONED SPACE
- HEAT TRAPS ARE REQUIRED ON HOT AND COLD INLETS FOR SYSTEMS WITH VERTICAL RISERS.
- SHOWER HEADS - USE 2.5 GALLONS PER MINUTE OR LESS.
- KNEE WALLS SHALL BE 2X4 16" O.C. WITH A MINIMUM R-13 CAVITY INSULATION
- RIM AND BAND JOIST AREAS TO BE INSULATED WITH A MIN. R-19
- CEILINGS EXPOSED TO ATTIC SHALL HAVE A MIN. R-38 INSULATION
- UNFINISHED BASEMENT WALL ARE R-11 DRAPED FULL
- BASEMENT SLAB FLOOR SHALL HAVE R-7 MINIMUM PERIMETER INSULATION, EXTENDING TO A MINIMUM DEPTH OF 24" INCHES BELOW GRADE AND 24" HORIZONTALLY FROM THE PERIMETER EDGE
- RECESSED LIGHT FIXTURES INSTALLED IN THE BUILDING ENVELOP IC RATED WITH NO PENETRATIONS OR INSTALLED INSIDE A SEALED BOX.

BUILDER'S NOTES:



FOR RESIDENCE
BLK-1 THE PRESERVE AT CROSS CREEKS

SCANNED