

SEWERAGE SYSTEM PERMIT

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO 100 EAST ERIE, CHICAGO, ILLINOIS 312-751-5600

MWRDGC Permit No.

90 530

INSTRUCTIONS FOR COMPLETING PERMIT FORM: Submit four typed copies of permit application (eight pages) and any required schedules listed below; do not leave any blank spaces; use "X" for checking applicable information. Also submit four copies of location map and plans. Submit two copies of specifications, if specifications are not part of the plan sheets. Address all correspondence to the Local Sewer Systems Section, for any inquiries or assistance, telephone (312)751-3260.

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DEPT-09 MISC \$22.00
7#2222 TRAN 9110 11/07/90 14:02:00
#7708 # B \*-90-543865
COOK COUNTY RECORDER

NAME AND LOCATION:

Name of project (as shown on plans): Whitman's Forest Estates
Location of Project (street address or with respect to two major streets): 186th Street West of Stony Island Avenue

Municipality (Township, if unincorporated): Village of Lansing

Section 2 Township 35 N. Range 14

Is project in MWRDGC combined sewer area Yes [ ] No [X]

DOCUMENTS BEING SUBMITTED:

- [X] Basic Information (Required in all cases) Schedule A (Page 4 of 8)
[X] Sewer Summary (Required in all cases) Schedule B (Page 5 of 8)
[X] Sewer Connections (Required in all cases) Schedule C (page 6 of 8)
[X] Detention Facilities Schedule D (2 pages)
[ ] Lift Station and/or Force Main Schedule E (1 page)
[ ] Characteristics of Waste Discharges Schedule F (1 page)
[ ] Treatment or Pre-treatment Facilities Schedule G (2 pages)
[ ] Certification Relative to Compliance with Art. 4-1, 6-2d, and 6-3b Schedule H (1 page)
[ ] Affidavit Relative to Compliance with Art. 4-1, 6-2d, and 6-3b Schedule J (1 page)
[X] Affidavit of Disclosure of Property Interest Schedule K (2 pages)
[ ] Notice of Requirements for Storm Water Detention Schedule L (2 pages)
[X] Current Survey of Property Interests Exhibit A

OTHER DOCUMENTS: Indicate title, number of pages and originator: Improvement Plans 5 sheets
R.A. Dugan & Associates, Ltd.

NOTE: ATTACH FEE PAYMENT VOUCHER AND PAYMENT IF APPLICABLE

MWRDGC USE ONLY
Application received on: OCT 19 1990 Permit issued on: OCT 20 1990

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## GENERAL CONDITIONS OF THE PERMIT

90 530

1. **Adequacy of Design.** The schedules, plans, specifications and all other data and documents submitted for this permit are made a part hereof. The responsibility for the adequacy of the design shall rest solely with the Design Engineer and the issuing of this permit shall not relieve him of that responsibility. The issuance of this permit shall not be construed as approval of the concept or construction details of the proposed facilities and shall not absolve the Permittee, Co-Permittee or Design Engineer of their respective responsibilities.

2. **Joint Construction and Operation Permits.** Unless otherwise stated by the Special Conditions, the issuance of this permit shall be a joint construction and operation permit provided all General, Standard and Special Conditions are complied with.

3. **Allowable Discharges.** Discharges into the sanitary sewer system constructed under this permit shall consist of sanitary sewage only. Unless otherwise stated by the Special Conditions, there shall be no discharge of industrial wastes under this permit. Storm waters shall not be permitted to enter the sanitary sewer system. Without limiting the general prohibition of the previous

sentence, roof and footing drains shall not be connected to the sanitary sewer system.

4. **Construction Inspection.** All sewer construction shall be inspected and approved by a Registered Professional Engineer acting on behalf of the Permittee or the owner of the project, or by a duly authorized and competent representative of the Professional Engineer. No sewer trenches shall be backfilled except as authorized by the Inspection Engineer after having inspected and approved the sewer installation.

5. **Maintenance.** The sewer connections, lines, systems or facilities constructed hereunder or serving the facilities constructed hereunder shall be properly maintained and operated at all times in accordance with all applicable requirements. It is understood that the responsibility for maintenance shall run as a joint and several obligation against the property served, the owner and/or the operator of the facilities, and said responsibility shall not be discharged nor in any way affected by change of ownership of said property.

## MWRDGC STANDARD CONDITIONS

6. **Indemnification.** The Permittee shall be solely responsible for and shall defend, indemnify and save harmless the Metropolitan Water Reclamation District of Greater Chicago (hereinafter MWRDGC) from and against any and all claims, costs, damages, or expenses the MWRDGC may suffer, incur, sustain or become liable for on account of any injury to, or death of, any person or persons, or any damage to, or destruction of, any real or personal property that may be caused by the construction, use, state of repair, operation and maintenance of the proposed facilities, arising out of or in consequence of the issuance of this permit. Without limiting the generality of the preceding sentence, the provisions of this paragraph shall extend to indemnify and save harmless the MWRDGC from any claims or damages arising out of or in connection with the termination or revocation of this permit.

whatsoever which Permittee may now have or hereafter acquire and which Permittee's successors and assigns hereafter can, shall, or may have against the MWRDGC for all losses and damages, either direct or indirect, claimed to have been incurred by reason of the construction or extension at any time hereafter by the MWRDGC of sewer service facilities in the service area contemplated by this permit, the rendering of such services, which MWRDGC facilities and services decrease the value of the facilities constructed by the Permittee under this permit, make same useless or of no value whatsoever, including but not limited to, any and all damages arising under Illinois Revised Statutes, Chapter 42, Section 339; the taking of private property for public use without due compensation; the interference with the contracts of Permittee; the interference with Permittee's use and enjoyment of its land; and the decrease in value of Permittee's land.

7. **Construction by MWRDGC.** Permittee understands and acknowledges that the MWRDGC has the right and power to construct and extend sewer service facilities and render such services within the area to be served by the project for which this permit is issued, and that by the MWRDGC constructing and extending such sewer service facilities and rendering such services, the facilities constructed by the Permittee under this permit may decrease in value, become useless or of no value whatsoever, the Permittee may also sustain a loss of business, income and profits.

8. **Third Parties.** This permit does not grant the right or authority to the Permittee: (a) to construct or encroach upon any lands of the MWRDGC or of any other parties, (b) to construct outside of the territorial boundaries of the MWRDGC, (c) to construct or encroach upon the territorial boundaries of any units of local government within the MWRDGC, (d) to connect to or discharge into or be served by (directly or indirectly) any sewer or sewer system owned or operated by third parties.

Therefore, by accepting this permit and acting thereon, the Permittee, for itself, its successors and assigns, does remise, release and forever discharge the MWRDGC of any and all claims

9. **Costs.** It is expressly stipulated and clearly understood that the sewerage system or facilities for which the permit is issued shall be constructed, operated and maintained at no cost to the MWRDGC.

**10. Other Construction.** The MWRDGC reserves the right, privilege and authority to permit others to reconstruct, change, alter and replace all sewers and appurtenances thereto at the point of connection of any sewerage system to an MWRDGC interceptor and/or in public right-of-ways of MWRDGC easements, and to introduce additional sewage flow through this connection into the intercepting sewer of said MWRDGC.

**11. Change of Use.** This permit shall be incorporated in the Building and Occupancy Permit for the building or buildings served under this permit. The owner or occupant of any building served under this permit shall not cause, or permit, a change of use of the building to a use other than that indicated in this permit without first having obtained a written permission from the General Superintendent of the MWRDGC.

**12. Interceptors Overloading.** The MWRDGC hereby serves notice that its interceptors may flow full and may surcharge, and flooding of the proposed system may occur. The Permittee agrees that the proposed systems shall be constructed, operated and maintained at the sole risk of the Permittee.

**13. Non-Transferability.** This permit may not be assigned or transferred without the written consent of the General Superintendent of the MWRDGC.

**14. Termination.** It is understood and agreed that in the event the Permittee shall default in or fail to perform and carry out any of the covenants, conditions and provisions of this permit and such default or violation shall continue for sixty (60) days after receipt or notice thereof in writing given by the General Superintendent of the MWRDGC, then it shall be lawful for the MWRDGC at or after the expiration of said sixty (60) days to declare said permit terminated. The Permittee agrees that immediately upon receipt of written notice of such termination it will stop all operations, discontinue any discharges and disconnect the sewerage system or facilities constructed under this permit. If the Permittee fails to do so, the MWRDGC shall have the right to disconnect said system. The Permittee hereby agrees to pay for any costs incurred by the MWRDGC for said disconnection. The various rights and remedies of the MWRDGC contained in this permit shall be construed as cumulative, and no one of them shall be construed as exclusive of any one or more of the others or exclusive of any other rights or remedies allowed by applicable rules, regulations, ordinances and laws. An election by the MWRDGC to enforce any one or more of its rights or remedies shall not be construed as a waiver of the rights of the MWRDGC to pursue any other rights or remedies provided under the terms and provisions of this permit or under any applicable rules, regulations, ordinances or laws.

**15. Expiration.** This permit shall expire if construction has not started within one (1) year from the date of issue. Construction under an expired permit is deemed construction without a permit. All

construction under this permit shall be completed within two (2) years after start of construction. If conditions so warrant, an extension may be granted. For publicly financed projects (e.g. special assessments) the one (1) year period indicated will be considered from the date of final court action.

**16. Revocation.** In issuing this permit, the MWRDGC has relied upon the statements and representations made by the Permittee or his agent. Any incorrect statements or representations shall be cause for revocation of this permit, and all the rights of the Permittee hereunder shall immediately become null and void.

**17. Advance Notice.** Prior to commencement of construction under this permit, the Permittee shall give the MWRDGC an advance notice of at least two working days. When advance notice is given, the Permittee shall provide the permit number, municipality and location.

**18. Compliance with Plans and Specifications.** All construction shall be in accordance with the plans and specifications submitted for this permit and made a part hereof. No changes in, or deviation from the plans and specifications which affect capacity, maintenance, design requirements, service area or permit requirements shall be permitted unless revised plans shall have been submitted to, and approved by the MWRDGC. The permit together with a set of the plans and specifications (revised plans and specifications, if any) shall be kept on the job site at all times during construction until final inspection and approval by the MWRDGC.

**19. Testing and Approval.** All construction under this permit shall be subject to inspection, testing and approval by the MWRDGC. All testing shall be made, or caused to be made, by the Permittee at no cost to the MWRDGC and in the presence of the MWRDGC representative. Upon satisfactory completion of construction, the Permittee and the owner shall submit, or cause to be submitted, a completion certificate and request for approval on the form prescribed by the MWRDGC. No sewer or other facilities shall be put in service until all the conditions of the permit have been satisfactorily met.

**20. Record Drawings.** Within sixty (60) days after final inspection and approval by the MWRDGC, the Permittee shall furnish, or cause to be furnished to the MWRDGC, a set of Record drawings, or a statement that the project was constructed in accordance with the original plans and specifications.

**21. Compliance with Rules and Regulations.** The Permittee hereby expressly assumes all responsibilities for meeting the requirements of all applicable rules, regulations, ordinances and laws of Local, State and Federal authorities. Issuance of this permit shall not constitute a waiver of any applicable requirements.

SCHEDULE A

MWRDGC Permit No

90 530

BASIC INFORMATION

1. NAME OF PROJECT Whitman's Forest Estates (as shown on plans)

2. APPURTENANCES (check all applicable items)

- Siphon, Drop Manholes, Stream Crossing, Direct Connections to MWRDGC

3. RECEIVING SANITARY SEWER SYSTEM

A. System that project will connect to is:

[X] Existing [ ] Proposed/Under Construction -> MWRDGC Permit #

B. List owners of all sewers from project to MWRDGC interceptor Village of Lansing

4. EXISTING LIFT STATION

[X] No [ ] Yes -> Receiving system includes existing lift station. If Yes, indicate location

5. FLOOD PLAIN

Is any part of the project area in a flood plain?

[X] No [ ] Yes -> Percentage of area in flood plain % Flood crest elevation Ft.

Identify any manholes in flood plain:

6. SIZE OF PROJECT

- A. What is the size of this project? 10.38 acres
B. Total contiguous ownership, including project 10.38 acres
C. Existing impervious area within project 0.13 acres
D. New impervious area created within project 3.63 acres

7. DETENTION

A. Is detention provided under this permit?

[ ] No [X] Yes -> Detention required by: [X] MWRDGC [X] Other

B. Is project in the service area of existing detention reservoir?

[X] No [ ] Yes -> MWRDGC Permit No.

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## SCHEDULE B SEWER SUMMARY

MWRDGC Permit No.

90 530

**COMPLETE IN ALL CASES**

PROJECT NAME Whitman's Forest Estates  
(as shown on the plans)

**1. Sewer Summary, including all building service sewers, stubs and risers:**

Include all sewers in combined sewer area

Include all sanitary sewers in separate sewer area

House Service

Pipe Size in.	10			Stubs	6		
Total length ft.	2502			1156			
Min. slope used -%	0.28			1.0			
Pipe Material *	VCP			VCP			
Total manholes	9						
Total cleanouts							

\* Pipe material and joint specifications must be shown on plans. See Manual of Procedures for acceptable specifications.

**2. NATURE OF PROJECT (Check all that apply)**

- Project is publicly financed
- Sewer system serving a subdivision
- Off-site trunk sewer to serve subdivision
- Sewer extension to serve future development
- Storm sewers in combined sewer area
- Service connections to serve buildings (Schedule C)
- Other \_\_\_\_\_

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**3. SEWER EXTENSIONS**

If any part of the proposed project is designed to service future connections (not included in Schedule C), check yes below and submit service area map and estimate of population equivalent to be served.

- NO     
  YES →     
  Service area map      (see location map on cover sheet)
- P.E. estimate submitted

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## SCHEDULE C SEWER CONNECTIONS

MWRDGC Permit No.

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(FILL OUT ALL SECTIONS THAT APPLY)

### 1) BUILDING CONNECTION DATA

#### A) RESIDENTIAL BUILDINGS

Single Family Total dwelling units \* 30

Number of sewer connections \* 30 PE\*\* 90

Multi Family Total dwelling units \* \_\_\_\_\_

Number of sewer connections \* \_\_\_\_\_ PE\*\* \_\_\_\_\_

#### B) COMMERCIAL & RECREATIONAL BUILDINGS

Number of sewer connections \* \_\_\_\_\_ PE\*\* \_\_\_\_\_

#### C) INDUSTRIAL BUILDINGS

Number of sewer connections \* \_\_\_\_\_ PE\*\* \_\_\_\_\_

\* Each sanitary line exiting a building is a connection

\*\* Population Equivalent

### 2) BUILDING USE - (Check all that apply)

#### A) COMMERCIAL & RECREATIONAL

Food preparation or processing (install grease separator)

Auto service (install triple basin)

Auto wash (install mud basin)

Swimming pool (provide pool plans)

Other \_\_\_\_\_

#### B) INDUSTRIAL BUILDINGS

Sewer connections will receive domestic sewage only

Industrial waste is produced

NOTE: If industrial waste is produced, submit Schedules F & G and plumbing plans along with flow diagram for pretreatment system.

SCHEDULE D -  
DETENTION

MWRDGC Permit No.

90 530

A. PROJECT INFORMATION

Name of Project Whitman's Forest Estates  
(as shown on plans)

B. Method of Detention:

- Reservoir
- Rooftop
- Parking Lot
- Other \_\_\_\_\_

C. UNDEVELOPED SITE-DETERMINATION OF ALLOWABLE RELEASE

1. Area of site.....	10.38	acres
2. Average ground slope.....	0.00246	feet/foot
3. Overland flow distance.....	1585	feet
4. Overland flow time of concentration.....	109	minutes
5. Average slope of channelized flow (see note) .....		feet/foot
6. Channelized flow distance (see note).....		feet
7. Channelized flow time of concentration.....		minutes
8. Total time of concentration..... (line 4 + line 7)	109	minutes
9. Rainfall intensity for 3-year storm.....	1.10	inches/hr
10. Allowable release rate, .....	1.72	cls
( $0.15 \cdot \text{line 9} \cdot \text{line 1}$ or $Q=0.15 \cdot I \cdot A$ )		
11. Actual release rate.....	1.38	cls
(cannot be greater than line 10)		
12. Restrictor size.....	5.0	inches

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NOTE: For flow time in a well defined channel, determine time of concentration from measured lengths, cross-sections and slopes. Submit necessary calculation.

SCHEDULE D  
DETENTION (continued)

MWRDGC Permit No.

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D. DEVELOPED SITE-DETERMINATION OF RESERVOIR SIZE

(Submit calculations for 3 and 4)

- 1. Impervious drainage area..... 3.76 acres
- 2. Pervious drainage area ..... 6.62 acres
- 3. Composite runoff coefficient(c)..... 0.45
- 4. Required detention capacity..... 1.04 acre-feet
- 5. Actual detention capacity provided..... 1.15 acre-feet

E. REQUIRED BYPASS RATE THROUGH DEVELOPMENT SITE FROM UPSTREAM AREA

NOTE: Design frequency shall be determined by local ordinance. If no local requirement is established use 5 year storm frequency.

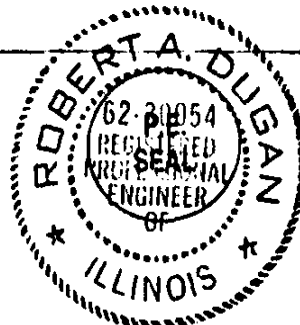
- 1. Total area upstream..... acres
- 2. Impervious area..... acres
- 3. Pervious area ..... acres
- 4. Composite runoff coefficient.....  
(minimum of 0.35)
- 5. Design storm frequency for the  
upstream area..... year
- 6. Time of concentration for upstream  
area at point of entry; upstream area  
to be considered as developed..... minutes
- 7. Rainfall intensity for time of concentration..... inches/hr
- 8. Permissible bypass rate..... cfs  
(line 1\*line 4\*line 7)

Name Robert A. Dugan

Title President

Signature *Robert A. Dugan* Date 9/14/90

Engineering Firm R.A. Dugan & Associates, Ltd.





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## SPECIAL CONDITIONS FOR PERMIT NO. 90-530

1. This permit is issued in reliance upon the Affidavit of Disclosure of Property Interest (Schedule K) submitted by the owner, and said Affidavit is incorporated herein and made a part hereof.
2. This permit shall be recorded with the Recorder of Deeds, or the Registrar of Torrens Titles, Cook County, Illinois as an encumbrance against the real estate covered by this permit. All expenses required for the recording shall be borne by the Permittee. The real estate for which the permit is issued is legally described below and the legal description is made a part hereof: Whitman's Forest Estates Subdivision. Being a subdivision of part of the northeast 1/4 of the northeast 1/4 of Section 2, township 35 north, range 14 east of the Third Principal Meridian, in Cook County, Illinois.
3. All prospective buyers or users of the real estate covered by this permit or the buildings to be constructed thereupon shall receive proper notification from the Permittees of the encumbrances placed by virtue of this permit prior to the purchase or use of the real estate or the buildings and including encumbrances placed as a result of the storm water detention facilities provided under this permit on the side or backyard of lots 18 thru 29, inclusive.

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186th + Stony Island  
Hansing 1L

Clerk's Office



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## ENGINEERING CERTIFICATIONS

MWRDGC Permit No.

**90 530**

**CERTIFICATE BY DESIGN ENGINEER:** I hereby certify that the project described herein has been designed in accordance with the requirements set forth in this application and all applicable ordinances, rules, regulations, Local, State and Federal Laws, and design criteria of the issuing authority; that the storm drainage and sanitary sewer system designed for this project are proper and adequate; that, where the design involves one or more connections to an existing local sewer system, the capacity of said system has been examined and the system is found to be adequate to transport the wastewater that will be added through the proposed sewer without violating any provisions of the Illinois Environmental Protection Act or the rules and regulations thereunder.

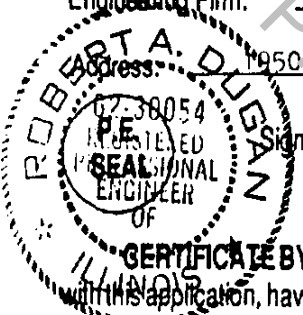
Comments, if any: \_\_\_\_\_

Engineering Firm: R.A. Dugan & Associates, Ltd. Telephone: (708 ) 895-6322

Address: 19500 Torrence Avenue City: Lynwood, IL Zip: 60411

Signature: [Signature] Date: 9/14/90

(Name and Title)  
Robert A. Dugan, President



**CERTIFICATE BY MUNICIPAL OR SYSTEM ENGINEER:** The application and the drawings, together with other data being submitted with this application, have been examined by me and are found to be in compliance with all applicable requirements. The manner of drainage is satisfactory and proper. The existing local sewer system to which the project discharges has been examined and the system is found to be adequate to transport the wastewater that will be added through the proposed sewer without violating any provisions of the Illinois Environmental Protection Act or the rules and regulations thereunder.

Comments, if any: \_\_\_\_\_

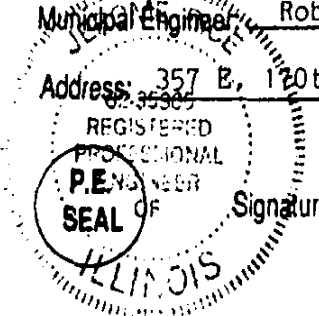
Owner of Local Sewer System: Village of Lansing

Municipal Engineer: Robinson Engineering, Ltd. Telephone: (708 ) 331-6700

Address: 357 E. 170th St. City: South Holland, IL Zip: 60473

Signature: [Signature] Date: 9/19/90

(Name and Title)



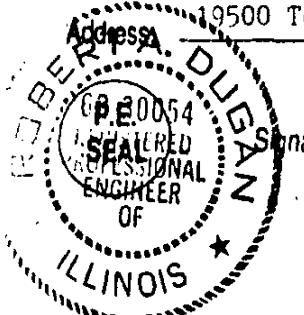
**CERTIFICATE BY INSPECTION ENGINEER:** I hereby certify that construction of the project will be in substantial compliance with the data and the plans submitted with this application; that approval will be obtained from the issuing authority prior to making any changes that would affect capacity, maintenance, design requirements, service area or the permit requirements; that a set of RECORD drawings, signed and sealed by the undersigned Engineer will be furnished to the MWRDGC within sixty (60) days after testing and approval by the District of the completed work.

Engineering Firm: R.A. Dugan & Associates, Ltd. Telephone: (708 ) 895-6322

Address: 19500 Torrence Avenue City: Lynwood, IL Zip: 60411

Signature: [Signature] Date: 9/14/90

(Name and Title)  
Robert A. Dugan, President



00513365

SPECIAL CONDITIONS:

MWRDGC Permit No. [ ]

This permit is issued subject to the MWRDGC's General Conditions, Standard Conditions and the following Special Conditions:

NONE  SEE ATTACHED SHEET

If permit is granted:

Please return two copies of the permit to the Permittee ; or

Please mail one copy to Permittee and one copy to the person designated below:

Name R.A. Dugan & Associates, Ltd.

Address 19500 Torrence Avenue Lynwood, IL 60411

CERTIFICATE BY APPLICANTS: We have read and thoroughly understand the conditions and requirements of this permit application, and agree to conform to the permit conditions and other applicable requirements of the MWRDGC. It is understood that construction hereunder, after the permit is granted, shall constitute acceptance by the applicants of any Special Conditions that may be placed hereon by the MWRDGC. It is further understood that this application shall not constitute a permit until it is approved, signed and returned by the Chief Engineer of the MWRDGC.

Title to permit premises is held in a land trust: Yes  No  0510565

If yes, Co-Permittee shall be beneficiary with Power of Direction.

PERMITTEE

CO-PERMITTEE (Co-Permittee is Property Owner)

Municipality Village of Lansing

Owner Whitman Developments, Ltd

Address 18200 Chicago Avenue

Address 1811 Whitman Lane

Lansing, IL Zip 60438

Lansing, IL Zip 60438

X Signature [Signature]

Signature [Signature]

Name Bill W. Balthus  
(Type or Print)

Name Phillip Whitman  
(Type or Print)

Title Mayor

Title President

Date 9/18/90 Phone (708) 895-7200

Date 9/14/90 Phone (708) 895-2121

REVIEW AND APPROVAL BY THE MWRDGC

Reviewed by: [Signature] Date 10/29/90  
(Local Sewer Systems)

Approved for issue:

Date of Issue 10/29/90 By: [Signature]  
For the Chief Engineer