

Fire Flow Test Request Form Supplement

Utilize the steps below to provide an appropriately completed application at first submittal:

1. **Date the form** at the top.
Select the test type: Select Residential Single Lot if applicable, or, based on required or assumed GPM select one of the remaining choices (which are applicable to all other uses). See attached examples. **Select Test Recertification** option if you can provide a copy of a prior-test that is less than 12 months old, and, has no changes to GPM, duration, and test location(s).
If you do not provide **Fire Agency Conditions**, then the test report will be stamped DRAFT.
If you provide **Fire Agency Conditions**, then the test report will *not* be stamped DRAFT.
2. Complete the **Customer/Contact information** section. Make sure to provide one or more valid e-mail address(es) so we can e-mail you (and others on your team) the test report, as ordinarily we do not send hard copies. See attached examples.
3. **Project Information** - Residential Single Lot applicants can simply provide an APN and an address if one has been assigned. In addition, for all other applicants, provide a project name and a tract or parcel map number. Cross streets may also be listed in the "Project Address" section.
Select the project type based on type of use. See attached examples.
4. **Test Parameters**
 - a. **Duration of Test** - the minimum amount of time the flow test must run per the Fire Agency Conditions for the project.
 - b. **Fire Agency Conditions Gallons Per Minute (or GPM)** -
 - i. If Fire Agency Conditions are available, use the GPM listed on (and provide a copy of) the conditions.
 - ii. If Fire Agency Conditions are not available, applicants must *still* provide an estimated or assumed GPM. Applicants may reference EMWD's recommended fire flow demands in the table below:

STRUCTURE	Flow (GPM)	Duration (Hours)	Number of Fire Hydrants
Single Family (Residential)	1,500	2	2
Multi-Family* (Residential)	4,000	4	3
Light Commercial/Industrial (Including Schools)	4,000	4	3
Heavy Commercial/Industrial	5,000	4	4

Note: In this case, if the Fire Agency Conditions are later defined as **larger** than originally assumed and tested, then a new test and fee must be submitted.
 - c. **Project Average Day Demand (not required for Residential Single Lots)** - Provide the estimated average-day-demand of domestic water systems for the project. Click [here](#) to access the page (from EMWD's Guidelines) with recommended rates for calculating Average Day Demand.
 - d. **Fire Sprinkler Demand** - If you would like to test for a Sprinkler System as well, provide the expected demand of the system. The test will report available pressures during peak-hour demands excluding fire hydrant or other POC flows.
 - e. **Test Locations** - Residential Single Lot applicants may forgo a location map when opting to test the "Closest Hydrant in Proximity," otherwise, please provide a test-location map. All other applicants shall select the locations EMWD should test, and provide a map showing hydrants and/or Point(s) of Connection.
5. **Sign and date the application.**
6. **Submit the application package via mail or by walking it into EMWD's main office.** Be sure to include a copy of the Fire Agency Conditions, any maps or exhibits, and the corresponding fee in check form. EMWD cashiers can also accept cash for walked-in applications. Cash payments cannot be sent through mail.
7. **Failure to provide required information such as items 4b, 4c, and 4e above, will result in the application being placed on hold pending revision and re-submittal by the customer.**

Residential Single Lot Example

FIRE FLOW TEST REQUEST FORM

(The average processing time is between 2 to 4 weeks from the date of a complete submittal)



Date Requested: 6/20/22

Select Test Type:

- Residential Single Lot ⁽¹⁾..... \$155 Fee (for single-owner residential lots, and NOT for Tracts)
- Under 3,000 GPM ⁽¹⁾..... \$155 Fee (for Tracts, Schools, Institutional, Commercial, Apartments, and Industrial)
- 3,000 GPM and Higher ⁽¹⁾..... \$1,200 Deposit ⁽²⁾ (for Tracts, Schools, Institutional, Commercial, Apartments, and Industrial)
- Test Recertification ⁽³⁾..... \$155 Fee (*Not a Re-Test: Limited to results issued within the last 12 months*)

Customer Name: John Smith (homeowner)
 Contact Name (if applicable): ABC Contractors
 Mailing Address: PO BOX 12345
 City, State ZIP: Menifee, CA 92584 E-Mail: ABCContractors@Email.com
 Phone: (951) 555-0123 Fax: _____ E-Mail: JohnSmith@gmail.com
 Cell: (951) 555-0124 Mailing and Contact information is for: Customer Contact

PROJECT INFORMATION:
 Project Name: New Garage Tract or Parcel Map Number: _____
 Assessor's Parcel Number(s) (APN): 291-200-014
 Project Address: 27164 Swift St City: Menifee State: CA Zip: 92584
 Project Type: Residential (Single Lot) Tract School/Institution Commercial or Apartments Industrial

TEST PARAMETERS:
 Duration of Test (Check one): 2-HR (or Less) 3-HR 4-HR
 Fire Agency Conditions ⁽⁴⁾: Gallons Per Minute (GPM): 875 GPM
 Project's Average Day Demand (GPM): _____ GPM
 Fire Sprinkler Demand (GPM), if applicable: _____ GPM
 Test Locations (select applicable and provide a map): Existing Point(s) of Connection Proposed Point(s) of Connection Existing Hydrant(s) Closest Hydrant in Proximity

For help with this application contact Development Services at (951) 928-3777 ext. 2081

By signing this form, the undersigned affirms he or she has been advised of both the cost of the service requested (including the cost of retesting a Draft Report due to changes in the Fire Flow assumptions), and the time required to complete this request.

LaShawn McGhee 6/20/22
 Customer Signature Date

OFFICE USE ONLY

Date Form Received: _____ Date Payment Received: _____ Date of Complete Submittal: _____ Date To Engineer: _____
 EMWD Grid: _____ Fire Agency Requirements or Conditions of Approval – Submitted?: Yes No ⁽³⁾
 Comments: _____

⁽¹⁾ All new tests (except for Residential Single Lot) include Hydraulic Boundary Conditions which provide available min. and max. pressures under multiple demand scenarios.
⁽²⁾ Final cost is based on actual charges. Remaining balance will be refunded to applicant.
⁽³⁾ Recertification is limited to results that were issued within the last 12 months. Recertification is comprised of a one-page form.
⁽⁴⁾ Failure to provide and confirm Fire Agency Requirements or Conditions of Approval will cause test results to be stamped as DRAFT: as such, the applicant will be responsible for the cost of a future re-test request if the project flow-requirements are different from the initial Draft test.

Residential Single Lot Fire Agency Conditions Example



Riverside County Fire Department – Office of the Fire Marshal

Riverside Office 2300 Market St, Ste 150, Riverside, CA 92501 Ph. (951) 955-4777 Fax (951) 955-4886
Palm Desert Office 77-933 Las Montañas Rd, # 201 Palm Desert, CA 92211-4131 Ph (760) 863-8886 Fax (760) 863-7072

HYDRANT FIRE FLOW VERIFICATION REQUEST

Permit # BR51901411
APN # 291-200-014
Address: 27164 Swift St
Menifee, CA 92584

Office Use Only
RIVERSIDE COUNTY FIRE DEPARTMENT HAS CONDUCTED A PRELIMINARY REVIEW FOR PERMIT APPLICATION PURPOSES ONLY AND NOT FOR PERMIT ISSUANCE. ANY INFORMATION PROVIDED IS SUBJECT TO CHANGE AND IS VALID FOR 180 DAYS.
DATE: 11/18/19 BY: [Signature]
RVCID Wet Stamp Only

Please provide the permit number for the building/installation/site preparation issued by the Building and Safety Department on all plans, documents, and correspondence. Without the permit number, we cannot process the permit. The following shall be obtained from the local water purveyor and submitted to the Riverside County Fire Department for review and approval prior to any releases.

The following information shall be included on all letter(s) and map(s):

1. A map and Assessor's Parcel Number (APN) showing the location of the fire hydrant and access roadway(s) to the property.
2. Written verification from the local water district shall be required indicating the ability to provide the following:
 - a. An approved standard fire hydrant (6"x4"x2½") shall be located within 600 feet from the hydrant to the furthest portion of the building as measured along the exterior ground floor walls.
 - b. The minimum fire flow shall be 875 gpm at 20 psi residual pressure for a ½ hour duration.
 - c. Water district must also indicate the size of the water main serving the fire hydrant.

Construction Type VB Square Feet 2071 Fire Sprinklered Non-Fire Sprinklered

At the applicant's request, this form is being provided prior to the site plan/architectural review. Therefore, fire flow requirements may not be accurate, and an additional fire flow letter may be required.

Applicant's Signature

Only **original** documents will be accepted. Copies and faxes of the letter and map will not be accepted.

*Valid for 1 year



Standard Hydrant
(Wet Barrel)



Super Hydrant
(Wet Barrel)



Super Hydrant
(Dry Barrel)



Wharf Hydrant
(Wet Barrel)

Commercial Lots Example

FIRE FLOW TEST REQUEST FORM

(The average processing time is between 2 to 4 weeks from the date of a complete submittal)



Date Requested: 6/20/22

Select Test Type:

- Residential Single Lot ⁽¹⁾..... \$155 Fee (for single-owner residential lots, and NOT for Tracts)
- Under 3,000 GPM ⁽¹⁾..... \$155 Fee (for Tracts, Schools, Institutional, Commercial, Apartments, and Industrial)
- 3,000 GPM and Higher ⁽¹⁾..... \$1,200 Deposit ⁽²⁾ (for Tracts, Schools, Institutional, Commercial, Apartments, and Industrial)
- Test Recertification ⁽³⁾..... \$155 Fee (*Not a Re-Test: Limited to results issued within the last 12 months*)

Customer Name: COMMERCIAL LOTS OF AMERICA (developer)
Contact Name (if applicable): LaShawn McGhee (engineer)
Mailing Address: 26227 Sherman Rd
City, State ZIP: Menifee, CA 92585 E-Mail: ComLotsofAmerica@email.com
Phone: (951) 928-3777 Fax: _____ E-Mail: MCGHEEL@email.com
Cell: _____ Mailing and Contact information is for: Customer Contact

PROJECT INFORMATION:
Project Name: One Stop Golf Shop Tract or Parcel Map Number: PM 12345
Assessor's Parcel Number(s) (APN): 948-530-028 & -039
Project Address: 24885 Whitewood Rd City: Murrieta State: CA Zip: 92562
Project Type: Residential (Single Lot) Tract School/Institution Commercial or Apartments Industrial

TEST PARAMETERS:
Duration of Test (Check one): 2-HR (or Less) 3-HR 4-HR
Fire Agency Conditions ⁽⁴⁾: Gallons Per Minute (GPM): 3000 GPM
Project's Average Day Demand (GPM): 2 GPM
Fire Sprinkler Demand (GPM), if applicable: 150 GPM
Test Locations (select applicable and provide a map): Existing Point(s) of Connection Proposed Point(s) of Connection Existing Hydrant(s) Closest Hydrant in Proximity

For help with this application contact Development Services at (951) 928-3777 ext. 2081

By signing this form, the undersigned affirms he or she has been advised of both the cost of the service requested (including the cost of retesting a Draft Report due to changes in the Fire Flow assumptions), and the time required to complete this request.

LaShawn McGhee 6/20/22
Customer Signature Date

OFFICE USE ONLY

Date Form Received: _____ Date Payment Received: _____ Date of Complete Submittal: _____ Date To Engineer: _____
EMWD Grid: _____ Fire Agency Requirements or Conditions of Approval – Submitted?: Yes No ⁽³⁾
Comments: _____

- ⁽¹⁾ All new tests (except for Residential Single Lot) include Hydraulic Boundary Conditions which provide available min. and max. pressures under multiple demand scenarios.
- ⁽²⁾ Final cost is based on actual charges. Remaining balance will be refunded to applicant.
- ⁽³⁾ Recertification is limited to results that were issued within the last 12 months. Recertification is comprised of a one-page form.
- ⁽⁴⁾ Failure to provide and confirm Fire Agency Requirements or Conditions of Approval will cause test results to be stamped as DRAFT: as such, the applicant will be responsible for the cost of a future re-test request if the project flow-requirements are different from the initial Draft test.

Commercial Lots Fire Agency Conditions Example



Riverside County Fire Department – Office of the Fire Marshal

Riverside Office 2300 Market St. Ste 150, Riverside, CA 92501 Ph. (951) 955-4777 Fax (951) 955-4886
Palm Desert Office 77-933 Las Montañas Rd., # 201 Palm Desert, CA 92211-4131 Ph. (760) 863-8886 Fax (760) 863-7072

HYDRANT FIRE FLOW VERIFICATION REQUEST

Permit # BR51901412
APN # 948-530-028 & -039
Address: 24885 Whitewood Rd
Murrieta, CA 92562

Office Use Only
RIVERSIDE COUNTY FIRE DEPARTMENT HAS CONDUCTED A PRELIMINARY REVIEW FOR PERMIT APPLICATION PURPOSES ONLY AND NOT FOR PERMIT ISSUANCE. ANY INFORMATION PROVIDED IS SUBJECT TO CHANGE AND IS VALID FOR 180 DAYS.
DATE: 11/18/19 BY: [Signature]
RVCID Wet Stamp Only

Please provide the permit number for the building/installation/site preparation issued by the Building and Safety Department on all plans, documents, and correspondence. Without the permit number, we cannot process the permit. The following shall be obtained from the local water purveyor and submitted to the Riverside County Fire Department for review and approval prior to any releases.

The following information shall be included on all letter(s) and map(s):

1. A map and Assessor's Parcel Number (APN) showing the location of the fire hydrant and access roadway(s) to the property.
2. Written verification from the local water district shall be required indicating the ability to provide the following:
 - a. An approved standard fire hydrant (6"x4"x2½") shall be located within 600 feet from the hydrant to the furthest portion of the building as measured along the exterior ground floor walls.
 - b. The minimum fire flow shall be 3000 gpm at 20 psi residual pressure for a 3 hour duration.
 - c. Water district must also indicate the size of the water main serving the fire hydrant.

Construction Type Square Feet 10,000 Fire Sprinklered Non-Fire Sprinklered

At the applicant's request, this form is being provided prior to the site plan/architectural review. Therefore, fire flow requirements may not be accurate, and an additional fire flow letter may be required.

Applicant's Signature

Only **original** documents will be accepted. Copies and faxes of the letter and map will not be accepted.

*Valid for 1 year



Standard Hydrant
(Wet Barrel)



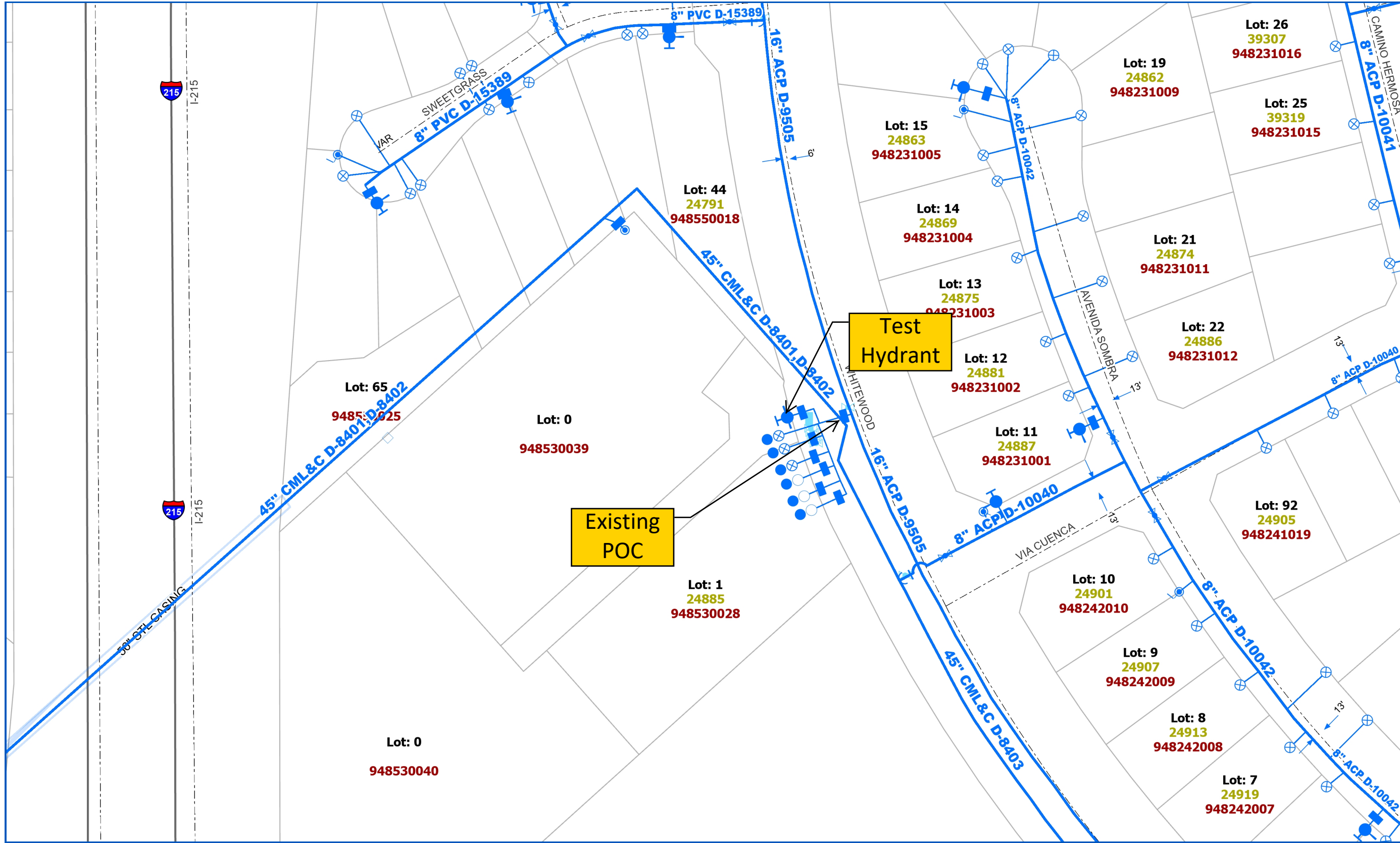
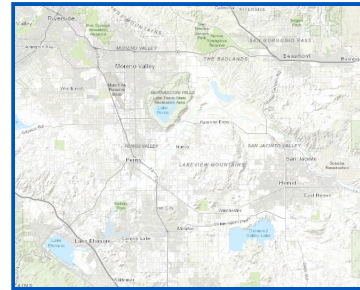
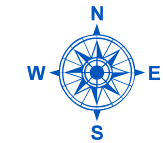
Super Hydrant
(Wet Barrel)



Super Hydrant
(Dry Barrel)



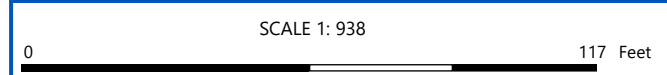
Wharf Hydrant
(Wet Barrel)



Legend

- Wtr Interagency Tie
- Wtr Service
 - Meter Not Installed Yet
 - Meter Not Installed Yet, BF Re
 - Meter, BF Device
 - Meter; Yes, No
- Wtr Valve
 - AV/AR, Open
 - BO, Closed
 - BO, Open
 - BV, Closed
 - BV, Open
 - CV, Closed
 - CV, Open
 - GV, Closed
 - GV, Open
 - HV, Closed
 - HV, Open
 - PC, Open
 - Plug Valve, Open
 - RSGV, Closed
 - RSGV, Open
 - SOV, Open
- Wtr Main
 - As Built
 - CIP
 - Wtr Main Abandoned
- Streets
- Wtr Arrow

Notes



GIS data shown is for informational purposes only, is subject to change without notice and may not be suitable for legal, engineering, construction, or surveying purposes. Information should be reviewed against reliable sources to ascertain its usability. Eastern Municipal Water District assumes no liability for any incorrect results, any lost profits and direct, special, indirect or consequential damages to any party, arising out of or in connection with the use or the inability to use the data hereon or the services.

Tract Example

FIRE FLOW TEST REQUEST FORM

(The average processing time is between 2 to 4 weeks from the date of a complete submittal)



Date Requested: 6/20/22

Select Test Type:

- Residential Single Lot ⁽¹⁾..... \$155 Fee (for single-owner residential lots, and NOT for Tracts)
- Under 3,000 GPM ⁽¹⁾..... \$155 Fee (for Tracts, Schools, Institutional, Commercial, Apartments, and Industrial)
- 3,000 GPM and Higher ⁽¹⁾..... \$1,200 Deposit ⁽²⁾ (for Tracts, Schools, Institutional, Commercial, Apartments, and Industrial)
- Test Recertification ⁽³⁾..... \$155 Fee (*Not a Re-Test: Limited to results issued within the last 12 months*)

Customer Name: Developed Homes of America
 Contact Name (if applicable): LaShawn MCGhee
 Mailing Address: 26227 Sherman Rd
 City, State ZIP: Menifee, CA 92585 E-Mail: _____
 Phone: (951) 928-3777 Fax: _____ E-Mail: MCGHEEL@DHofA.com
 Cell: _____ Mailing and Contact information is for: Customer Contact

PROJECT INFORMATION:
 Project Name: TRACT 20809 Tract or Parcel Map Number: TR 20809
 Assessor's Parcel Number(s) (APN): 343-090-016 & 343-130-021
 Project Address: NS of Cypress Ave at Main St City: Perris State: CA Zip: 92570
 Project Type: Residential (Single Lot) Tract School/Institution Commercial or Apartments Industrial

TEST PARAMETERS:
 Duration of Test (Check one): 2-HR (or Less) 3-HR 4-HR
 Fire Agency Conditions ⁽⁴⁾: Gallons Per Minute (GPM): 1000 GPM
 Project's Average Day Demand (GPM): 50 GPM
 Fire Sprinkler Demand (GPM), if applicable: 150 GPM
 Test Locations (select applicable and provide a map): Existing Point(s) of Connection Proposed Point(s) of Connection Existing Hydrant(s) Closest Hydrant in Proximity

For help with this application contact Development Services at (951) 928-3777 ext. 2081

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LaShawn McGhee 6/20/22
 Customer Signature Date

OFFICE USE ONLY

Date Form Received: _____ Date Payment Received: _____ Date of Complete Submittal: _____ Date To Engineer: _____
 EMWD Grid: _____ Fire Agency Requirements or Conditions of Approval – Submitted?: Yes No ⁽³⁾
 Comments: _____

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⁽⁴⁾ Failure to provide and confirm Fire Agency Requirements or Conditions of Approval will cause test results to be stamped as DRAFT: as such, the applicant will be responsible for the cost of a future re-test request if the project flow-requirements are different from the initial Draft test.

Tract Fire Agency Conditions Example

City of Perris Building and Fire Marshal Water Availability/Fire Flow Form

SECTION A: To be completed by customer

Project Name: TRACT 20809

Project Address/Parcel Number: APN 343-090-016 & 343-130-021

Applicant Phone: (951) 928-3777

Area of largest building 5,200 ft²; (measured without area separations wall unless they are 4-hrs)

Construction type? (check one): IA IB IIA IIB IIIA IIIB IV VA VB

Is this building sprinklered throughout? (check one) N Y

SECTION B: To be completed by Perris Building/Fire Marshal Division

Fire Flow Requirement: 1000 GPM 2 Hour Duration

By: RICH TOTH Date: 11/24/19

SECTION C: To be completed by local water department/district or attach the local water department/district form that contains the same information

Water Department/District: _____

Test location (indicate address or cross-streets & provide reference map): _____

Hydrant number(s) (if applicable): _____

Date of Test: _____ Time of test: _____ am pm

FLOW TEST RESULTS			
TEST INFORMATION IS VALID FOR 6 MONTHS FROM DATE TEST IS PERFORMED			
Static pressure:	psi	Residual pressure:	psi
Observed flow:	gpm	Flow calc'd at 20 psi:	gpm

Check the box if the test information above was obtained in a manner other than an actual flow test (i.e. by computer modeling).

I have witnessed and/or reviewed this water flow information and by personal knowledge and/or on-site observation certify that the above information is correct.

Name: _____

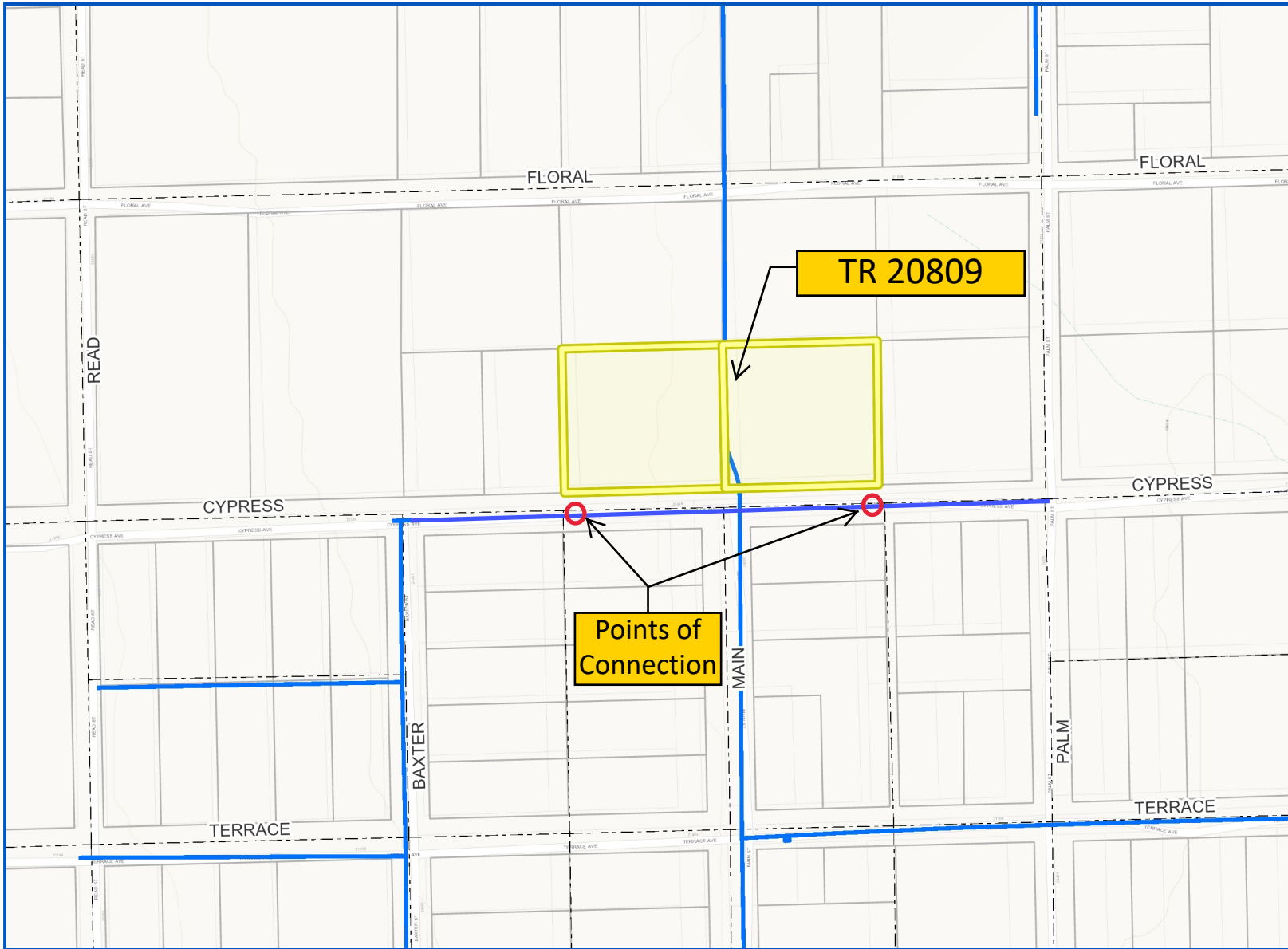
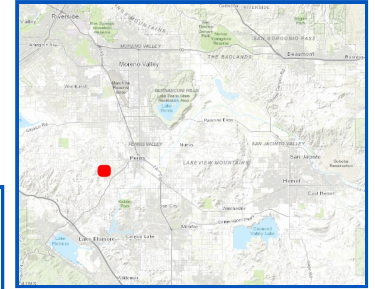
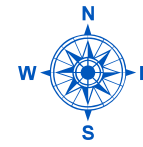
Title: _____ Signature: _____

Company/Agency: _____ Date: _____

Tract Exhibit Example



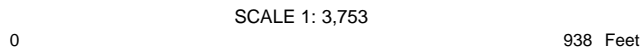
TR 20809



Legend

- Wtr Interagency Tie
- Wtr Main**
- As Built
- CIP
- Wtr Main Abandoned
- Streets
- Wtr Pump Station
- Wtr Pump Station Polygon
- Wtr Tank
- Wtr Well
- Wtr Treatment Plant
- Wtr Treatment Plant Polygc
- MWD Connection
- MWD Pipeline
- EMWD District Boundary
- EMWD Main Office
- EMWD Sites
- Highway
- Riverside County Parcel La
- Riverside County Parcel Pc

Notes



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