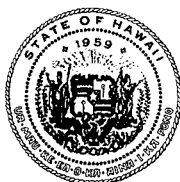


DAVID Y. IGE
GOVERNOR OF HAWAII



BRUCE S. ANDERSON, Ph.D.
DIRECTOR OF HEALTH

STATE OF HAWAII
DEPARTMENT OF HEALTH
P. O. BOX 3378
HONOLULU, HI 96801-3378

In reply, please refer to:
File:

November 26, 2019

TO: Community Noise Permit Applicant

FROM: James E. Toma
Noise Section Supervisor
Indoor and Radiological Health Branch

SUBJECT: **Community Noise Permit #H 19-013 Approval**

Please be advised that your Community Noise Permit is hereby granted.

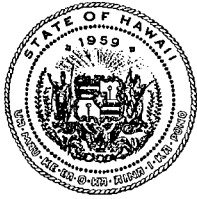
If additional time is necessary for the project, the applicant shall submit a request for extension, along with an updated work schedule, prior to the **expiration date**. Extensions to Community Noise Permits are subject to annual fees.

Extensions or modifications of a permit shall be submitted in writing to the following address:

Department of Health
Indoor and Radiological Health Branch
99-945 Halawa Valley Street
Aiea, Hawaii 96701

Should you have any questions, please call me at (808) 586-4700.

Thank you for your cooperation.



State of Hawaii - Dept. of Health

Indoor & Rad Health Branch

99-945 Halawa Valley Street

Aiea, HI 96701

Phone: (808) 586-4700 Fax: (808) 586-5838

Receipt Date Receipt Number

Name	TMT International Observatory, LLC	Country	USA
Address	100 W. Walnut Street, Suite 300	Phone	(626) 395-1602
	Pasadena CA 91105		

Check Number Delivery method

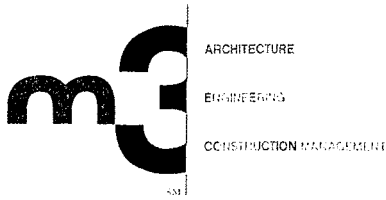
Happy Thanksgiving

Comments Community noise permit fee for construction of site grading, across road and underground utility conduits. Work includes improvements associated with the existing road and structure construction. Located at Mauna Kea Summit.

Check writer:
M3 Engineering & Technology Corp
2051 W Sunset Rd, Suite 101
Tucson, AZ 85704

Source Code	Source Code ID	Fee Amount
1117	Noise Permit and Variance Fees	\$50.00
	Sum	\$50.00

Tuesday, November 19, 2019



INDOOR & RADIOLOGICAL
HEALTH BRANCH

2019 NOV 14 A 11:19

November 13, 2019

James Toma
Noise Section Supervisor
State of Hawaii – Department of Health
Indoor and Radiological Health Branch
Noise Section
99-945 Halawa Valley Street
Aiea, Hawaii 96701

**RE: Application for Community Noise Permit
Thirty Meter Telescope Civil Package
Hamakua District, Island of Hawaii, State of Hawaii**

Dear Mr. Toma:

M3 Engineering & Technology Corp. ('M3') acting as agent for TMT International Observatory, LLC ('TIO') is pleased to the enclosure Community Noise Permit application for the above referenced project.

We appreciate your consideration of this application. If you have any questions regarding this application or the project in general, please feel free to contact me by phone at (520) 822-8613 or via email at jose.teran@m3eng.com.

Sincerely,

M3 ENGINEERING & TECHNOLOGY CORPORATION

José Terán U., AIA
Project Manager

Attachments:

- Application for Community Noise Permit, dated February 5, 2019.
- Exhibit A – Project Location, dated February 5, 2019.
- Exhibit B – Equipment List, dated February 5, 2019.
- Check 228422, payable to State Department of Healthy, \$50.00.

2051 W. Sunset Rd.
Suite 101

Tucson, Arizona
85704

t 520.293.1488
f 520.293.8349

www.m3eng.com



INDOOR RADIOLOGICAL
HEALTH BRANCH

2019 NOV 14 A 11:19

State of Hawaii
Department of Health
Application for Community Noise Permit

Permit is required by Title 11, Administrative Rules, Department of Health, Chapter 46, Community Noise Control.

Part I. Applicant Information

Name of Company TMT International Observatory, LLC		Authorized Individual José Terán U., AIA	
Mailing Address 100 W. Walnut St., Suite 300		Title Project Manager / Owner's Agent	
City Pasadena	State CA	Zipcode 91105	Phone 626-395-1602

Part II. Community Noise Permit Fee Schedule (Annual) *Check one box

<input type="checkbox"/> Activities involving demolition, construction, extension, additions, or renovation of a single family dwelling	\$25
<input checked="" type="checkbox"/> All other construction activities	\$50
<input type="checkbox"/> Operation of stationary noise sources	\$50
<input type="checkbox"/> Equipment related to agricultural activities	\$50
<input type="checkbox"/> Equipment related to industrial activities	\$50

Part III. Description of Activity

Construction of site grading, access road and underground utility conduits. Work includes improvements associated with the existing road and structure construction.

Part IV. Location of Activity *Attach map if necessary

Mauna Kea Summit. See location map attached ("Exhibit A").

Part V. Equipment to be utilized *Attach list if necessary

See equipment list attached ("Exhibit B").

Part VI. Estimated duration of construction activity

*Attach activity schedule for construction activities or attenuation of stationary sources.

From December 2019	To December 2024
-----------------------	---------------------

Certification of Individual Authorized to Act for Applicant

I certify that I have knowledge of the facts herein set forth and that the same are true and correct to the best of my knowledge and belief. Acceptance of this permit constitutes an acknowledgement and agreement that the permittee will comply with all rules, regulations and orders of the department and the conditions precedent to the granting of this permit.

Signature 	Date November 13, 2019
--	---------------------------

Please make checks payable to: **STATE DEPARTMENT OF HEALTH**

Return this application with the appropriate attachments to: Indoor and Radiological Health Branch
Noise Section
99-945 Halawa Valley Street
Aiea, Hawaii 96701

All fees are non-refundable.

There will be a service fee of \$25.00 for any check dishonored by the bank.

If you have any questions call our office at (808) 586-4700.

Date Received	NOV 14 2019	Permit Number	H 19-013
Fee Paid	\$50.00	Receipt No.	2020-55663
Date Approved	11/26/19	Expiration Date	12/6/20
Date Issued	12/7/19		

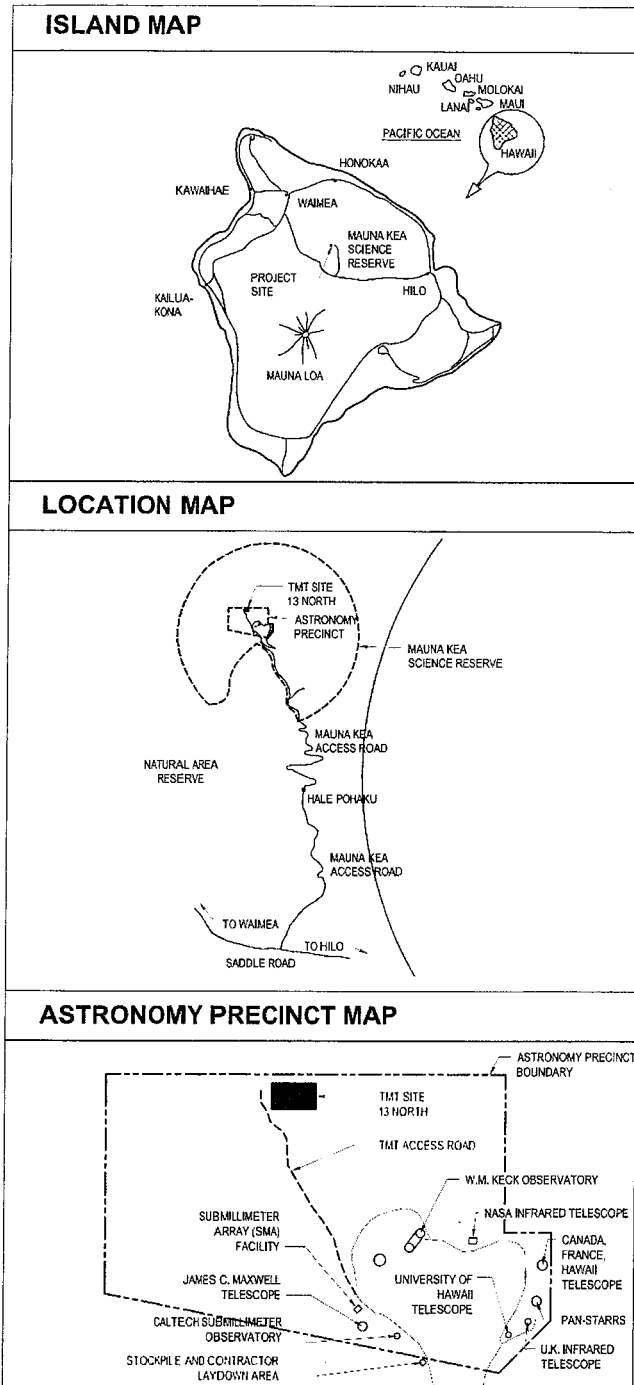


ARCHITECTURE
ENGINEERING
CONSTRUCTION MANAGEMENT

Date: November 13, 2019
To: State of Hawaii
Department of Health
From: M3 Engineering & Technology Corp.

Project No.: M3-PN130104
Project Name: Thirty Meter Telescope Civil Package

Project Location Map
Highlighted items depict area of construction



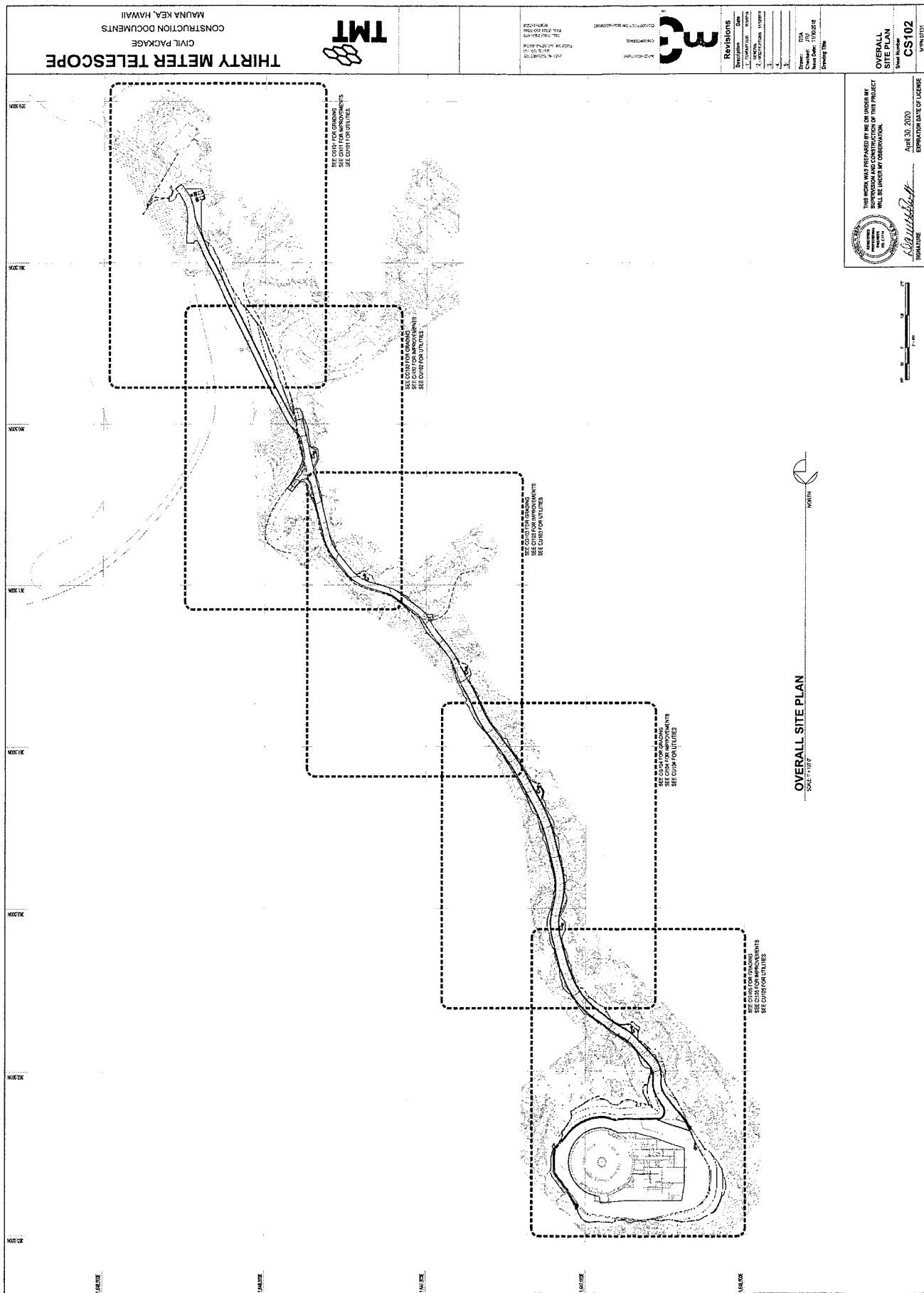
Tucson Office
2051 W. Sunset Road, Suite 101
Tucson, AZ 85704
Phone: (520) 293-1488
Fax: (520) 293-8349
e-mail: m3@m3eng.com

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2175 W. Pecos Road, Suite 3
Chandler, AZ 85224
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Fax: (480) 753-3617
e-mail: m3phx@m3eng.com

Charlotte Office
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Charlotte, NC 28226
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Fax: (704) 973-0528
e-mail: m3carolina@m3eng.com

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Carretera Internacional a Nogales KM 6.5
Hermosillo, Sonora C.P. 83304 Mexico
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Fax: (52-662) 109-1504
email: m3mexicana@m3mexicana.com.mx

Buenos Aires Office
Av. Cabildo n° 642, Piso 1, CABA
C1426AAT, Buenos Aires,
Argentina
Phone: (54)(11) 4312-0303
Fax: (54)(11) 4311-1448
email: m3arg@m3arg.com.ar



THIRTY METER TELESCOPE
 CIVIL PACKAGE
 CONSTRUCTION DOCUMENTS
 MAUNA KEA, HAWAII



DATE: 11/19/2019
 PROJECT: THIRTY METER TELESCOPE
 SHEET: CIVIL PACKAGE
 DRAWING: OVERALL SITE PLAN

REVISIONS

NO.	DATE	DESCRIPTION
1	11/19/2019	ISSUED FOR PERMITS
2	11/19/2019	ISSUED FOR PERMITS
3	11/19/2019	ISSUED FOR PERMITS
4	11/19/2019	ISSUED FOR PERMITS
5	11/19/2019	ISSUED FOR PERMITS
6	11/19/2019	ISSUED FOR PERMITS
7	11/19/2019	ISSUED FOR PERMITS
8	11/19/2019	ISSUED FOR PERMITS
9	11/19/2019	ISSUED FOR PERMITS
10	11/19/2019	ISSUED FOR PERMITS

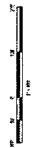
DESIGNED BY: J. H. ...
 CHECKED BY: ...
 DATE: 11/19/2019

OVERALL SITE PLAN
 SHEET NO. CS102
 EXPIRATION DATE OF LICENSE: April 30, 2020

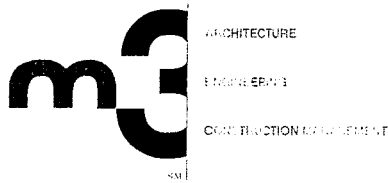
THIS WORK IS THE PROPERTY OF THE ENGINEER AND WILL BE UNDER HIS OR HER SUPERVISION AND CONTROL. NO PART OF THIS PROJECT WILL BE UNDER HIS OR HER SUPERVISION AND CONTROL.

April 30, 2020
 EXPIRATION DATE OF LICENSE

[Signature]
 SIGNATURE



OVERALL SITE PLAN
 SCALE: 1/8" = 1'-0"



Date: November 13, 2019
 To: State of Hawaii
 Department of Health
 From: M3 Engineering &
 Technology Corp.

Project No.: M3-PN130104
 Project Name: Thirty Meter Telescope
 Civil Package

Equipment to be Utilized

- Pickup Truck (F150, Ranger, or similar)
- Pickup Truck (F250, or similar)
- Ecoline Van (F350 4x4, or similar)
- Utility Truck (F350, or similar)
- Laborer's Truck (F550, or similar)
- Flatbed Truck (Single Axle)
- Lube Truck (10-12 ton dual rear axle fuel/lube truck)
- Tandem Dump Truck (Dual rear axle dump truck with 10 cy capacity)
- Cat 740 Artic Truck, or similar
- Water truck (4000 gallon)
- Cat D-6 Dozer w/rippers, or similar
- Cat D-9 Dozer w/rippers, or similar
- Cat D-10 Dozer w/rippers, or similar
- Vibratory Roller (20-ton)
- Cat 140 Motor grader, or similar
- Cat 420 Backhoe, or similar
- 80 Mini Excavator, or similar
- 120 Class Excavator, or similar
- 220 Class Excavator, or similar
- 330 Class Excavator, or similar
- 450 Class Excavator, or similar
- BTI 980 Hammer, or similar
- BTI 1680 Hammer, or similar
- BTI 2080 Hammer, or similar
- Cat 938 Loader, or similar
- Cat 950 Loader, or similar
- Skidsteer Bobcat, or similar
- Chieftan Warrior 2400, or similar (Portable screening plant for aggregate)
- HP 300 Cone Portable track mounted cone crusher (Track Mounted)
- Telestack TC421 Conveyor, or similar (Portable stacking conveyor)
- Nordberg Track Jaw LT105, or similar (Portable track mounted jaw crusher)
- 36kW Generator

General Notes

1. For this portion of work, the closest point that hydraulic hammers and/or crushers will be operational are more than 1,500 ft from any of the surrounding scientific facilities with intermittent occupancy.

Tucson Office

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 e-mail: m3@m3eng.com

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 e-mail: m3phx@m3eng.com

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 Fax: (704) 973-0528
 e-mail: m3carolina@m3eng.com

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 Fax: (52-662) 109-1504
 email: m3mexicana@m3mexicana.com.mx

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 email: m3arg@m3arg.com.ar