



ARAPAHOE COUNTY
COLORADO'S FIRST

BOARD SUMMARY REPORT

Date: December 3, 2019

To: Board of County Commissioners

Through: Shannon Carter, Open Space Director

From: Dave Schmit, Engineering Consultant

Subject: State Highway Access Permit - 17 Mile House

Direction/Information

Staff is provided information in a drop-in session in advance of a consent agenda item requesting the chair of the Board of County Commissioners to sign an application for a State Highway Access Permit.

Request and Recommendation

The State Highway access permit is required to realign the existing 17 Mile House Access approximately 70 feet to the south of its current location. The new location will align with the new Aurora Parkway intersection. Modifications to the existing median on SH 83 (Parker Road) will be constructed as part of the Aurora Parkway construction and Arapahoe County will construct a new southbound right turn deceleration lane for the movements onto the 17 Mile House access. Staff is recommending that the Board of County Commissioners (owner) authorize the Board Chair to sign the required access permit application.

Background

The 17 Mile House is a 155-year old farm that served as an important stop for pioneers traveling along the Cherokee Trail in the 1860's. The farm is an Arapahoe County designated heritage site that includes interactive displays and historical artifacts for visitors to enjoy. The 17 Mile House property also provides parking for the nearby Cherry Creek Regional Trail.

Current plans are underway for development of the property directly east of the 17 Mile House adjacent to SH 83 (Parker Road). This development (Kings Point) will be constructing the extension of Aurora Parkway to the west connecting with Parker Road. A State Highway Access Permit was recently obtained for this construction. The intersection of Aurora Parkway is required to be approximately 70 feet south of the existing access to the 17 Mile House Property to meet CDOT access criteria. This therefore requires the realignment of the existing 17 Mile House access and associated access permit (attached).

Links to Align Arapahoe

This section should connect your request to the applicable Align Arapahoe objectives, included as subtitles.

Service First - This action connects to Service First by providing a safe and functional access to the 17 Mile House property. \

Quality of Live - This action connects to Quality of Life by continuing to provide access to the historic property for all to enjoy.

Discussion

As discussed earlier, the access to the 17 Mile House must be realigned to the new proposed Aurora Parkway intersection. In order to achieve this a State Highway Access Permit is required.

Alternatives

The realignment of the access is necessary to provide a safe and functional intersection. While not required as part of this access permit, the Open Space Department is proposing to construct a southbound right turn deceleration lane to facilitate safe movement into the site. No alternatives are being proposed at this time.

Fiscal Impact

The cost of the construction will be funded by Open Spaces Acquisitions and Development Fund. The exact cost is still unknown until we complete design. We have entered into an agreement with Kings Point development to allow the bidding and construction of full intersection as one project to help defray mobilization, traffic control and other costs. Future maintenance cost for the improvements within the State Highway right-of-way will be the responsibility of the Colorado Department of Transportation (CDOT).

Concurrence

Legal - Tiffanie Bleau
Finance-Todd Weaver

Attorney Comments

Include this section if requested by the Attorney's Office.

Reviewed By

Dave Schmit, Temporary Engineering Consultant
Roger Harvey, Open Space Planning Administrator
Shannon Carter, Open Space Director
Todd Weaver, Finance Department
Tiffanie Bleau, County Attorney's Office



November 19, 2019

Ms. Marilyn Cross, AICP
Region I Access Manager
Colorado Department of Transportation
2829 W. Howard Place
Denver, CO 80204

Mr. Richard Solomon
Region I Permits Unit Supervisor
Colorado Department of Transportation
2829 W. Howard Place
Denver, CO 80204

Re: 17 Mile House Access Permit

Dear Marilyn/Rick:

I've prepared this letter on behalf of Arapahoe County as supporting information to summarize the intent of an access permit request along Parker Road for the existing 17 Mile House. Mainly, the access permit request is to relocate the existing 17 Mile House access towards the south to align with Aurora Parkway, a new City of Aurora street that will be constructed on the east side of SH 83 (Parker Road).

BACKGROUND

As you may be aware, the 17 Mile House is a 155-year old farm that served as an important stop for pioneers traveling along the Cherokee Trail in the 1860's. The farm is an Arapahoe County designated heritage site that includes interactive displays and historical artifacts for visitors to enjoy. The 17 Mile House property also provides parking for the nearby Cherry Creek Regional Trail.

ACCESS PERMIT INTENT

The access permit is being submitted to the Colorado Department of Transportation (CDOT) for approval to realign the existing 17 Mile House access approximately 70' to the south of its current location. The new location will align with the new Aurora Parkway intersection. Modifications to the existing median on SH 83 will be constructed as part of the Aurora Parkway construction and Arapahoe County will construct a new southbound right turn deceleration lane for movements onto the 17 Mile House access. The new deceleration lane will be designed and constructed to CDOT *Access Code* requirements with asphalt material.

SUPPORTING INFORMATION

Access Permit - The existing access permit for the 17 Mile House is # 111020 with an Access Manager signature date of July 13, 2011. A new access permit request accompanies this letter that includes the location data along SH 83 as is currently represented in the Draft access permit for Aurora Parkway.

Estimated Traffic Volume - Item 17 of the access permit requests an estimate of the level of vehicles that will use the 17 Mile House access. To that end, Arapahoe County provided 17 Mile House daily vehicle usage for all of 2019 to determine the average number of vehicle-trips for the site. From that data, it is found that the 7-day average of vehicle-trips to/from the 17 Mile House is about 126.

November 19, 2019

Ms. Marilyn Cross and Mr. Richard Solomon

Page 2

Construction Concept - Also attached with this letter is a conceptual design of the proposed access along with the conceptual design of the southbound right turn deceleration lane. The posted speed limit in the southbound direction of SH 83 is 55 miles per hour (mph) and Parker Road is classified by C D O T as a Regional Highway (R-A). Therefore, the right turn deceleration lane is 600' long which can include the taper length of 222' (12' at 18.5: 1).

Traffic Signal Construction - As part of the Aurora Parkway construction, this new intersection on SH 83 will eventually include a traffic signal to accommodate the projected traffic volumes and the respective number of travel lanes. The traffic signal can be constructed when one or more of the signal installation warrants of the Manual on Uniform Traffic Control Devices (MUTCD) is met.

The timeframe for traffic signal design and construction is unknown, but it is understood that pedestrian movements will not be permitted across Parker Road. Pedestrians will be accommodated along the High Plains Trail via a new grade-separated crossing that straddles the Arapahoe County/Douglas County line which is located adjacent to the south property line for 17 Mile House.

FUTURE SH 83 IMPROVEMENTS

This letter recognizes that roadway improvements along SH 83 will occur as more development and traffic volumes dictate. One of those improvements is the foreseen creation of a SH 83 interchange at the Aurora Parkway/ 17 Mile House access.

Arapahoe County, through submittal of this letter, acknowledges this improvement and they agree to cooperate and work with C D O T to find a mutually agreeable solution for access to 17 Mile House when the future interchange is being designed.

We hope the information contained in this letter supports approval of the access permit for relocation of the existing 17 Mile House access, recognizing that more detailed construction plans will be forthcoming during the Notice to Proceed process. Please do not hesitate to contact me with your comments and questions at 303-721-1440.

Respectfully,

FELSBURG HOLT & ULLEVIG



Richard R. Follmer, PE PTOE
Associate

Attachments

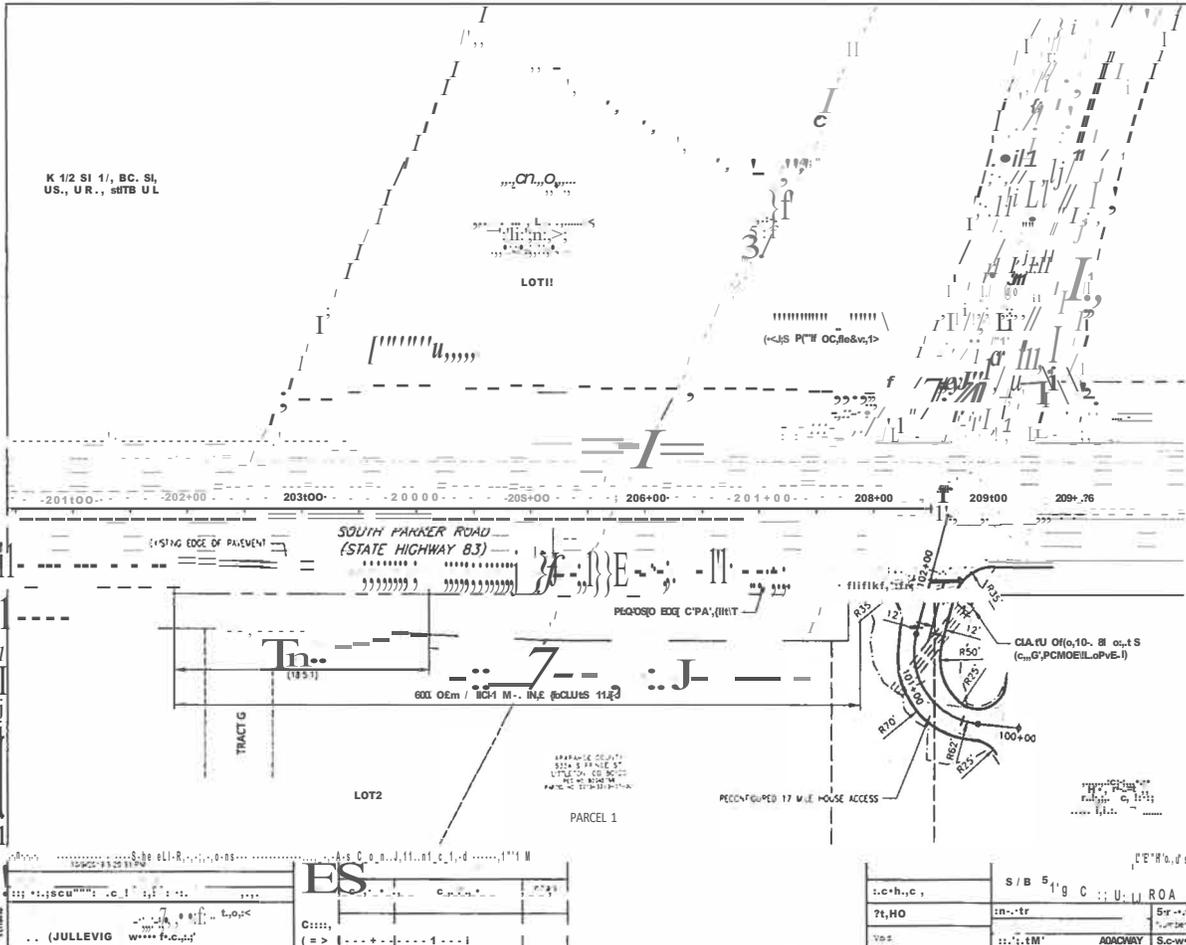
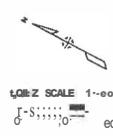
DRAFT
FOR ACCESS PERMIT ONLY

LEGEND

- D ASPHALT
- D POTENTIAL CIVIL CONDUIT
- III-5
- 1 VERTICAL CURVE
- 1 0.00% GRADE MEASUREMENT ON CENTERLINE
- J ASSOCIATED WITH THIS APPROVALS
- 1 100000 VERTICAL CURVE
- 5 HORIZONTAL CURVE

APPROVALS
THE FOLLOWING APPROVALS ARE FOR
HORIZONTAL GEOMETRY ONLY

APPROVAL COUNTY
COURTY



ES	11a410-01
C: (=)	

11a410-01	11a410-01
ADACWAY	RD-1 Street

COLORADO DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ACCESS PERMIT APPLICATION	Issuing authority application acceptance date:
--	--

Instructions: - Contact the Colorado Department of Transportation (COOT) or your local government to determine your issuing authority.
 - Contact the issuing authority to determine what plans and other documents are required to be submitted with your application.
 - Complete this form (some questions may not apply to you) and attach all necessary documents and Submit it to the issuing authority.
 - Submit an application for each access affected.
 - If you have any questions contact the issuing authority.
 - For additional information see CDOT's Access Management website at <https://www.codot.gov/business/eermits/accesseermits>

Please print or type

1) Property owner (Permittee) Arapahoe County Board of County Commissioner	2) Applicant or Agent for permittee (if different from property owner) Arapahoe County
--	--

Street address 5334 S. Prince Street	Mailing address 5334 South Prince Street
--	--

City, state & zip Littleton, CO 80166	Phone# 303-795-4630	City, state & zip Littleton, CO 80120	Phone# (required) 303-795-4630
---	-------------------------------	---	--

E-mail address commissioners@arapahoegov.com	E-mail address if available cornrnissioners@arapahoegov.com
--	---

3) Address of property to be served by permit (required)
8180 S. Parker Road, Aurora, CO 80011

4) Legal description of property: If within jurisdictional limits of Municipality, city and/or County, which one?
 county subdivision block lot section township range
Arapahoe Ashbrooke Exec. Parcel 162 IN/A T5S 66W

5) What State Highway are you requesting access from? SH 83 {Parker Road}	6) What side of the highway? <input checked="" type="checkbox"/> ON <input type="checkbox"/> OS <input type="checkbox"/> E <input type="checkbox"/> OOW
---	--

7) How many feet is the proposed access from the nearest mile post? 1, 722 feet (IN OS DE OW) from: 63	How many feet is the proposed access from the nearest cross street? 650 feet ON 11SD E OW) from: E. Nichols Place
---	--

8) What is the approximate date you intend to begin construction?
5/1/2020

9) Check here if you are requesting a
 New access temporary access (duration anticipated:) Improvement to existing access
 change in access use removal of access relocation of an existing access (provide detail)

10) Provide existing property use
Living history museum/trailhead

11) Do you have knowledge of any State Highway access permits serving this property, or adjacent properties in which you have a property interest?
 No Yes, if yes - what are the permit number(s) and provide copies: **111020** and/or, permit date: **7/13/2011**

12) Does the property owner own or have any interests in any adjacent property?
 No Yes, if yes - please describe: **Tract DD Southcreek Subdivision Filing 1 for drainage purposes**

13) Are there other existing or dedicated public streets, roads, highways or access easements bordering or within the property?
 No Yes, if yes - list them on your plans and indicate the proposed and existing access points.

14) If you are requesting agricultural field access - how many acres will the access serve?
NA

business/land use	square footage	business	square footage
NA			

type	number of units	type	number of units
Living history museum	1		
Trailhead - 20 parking spaces	1		

17) Provide the following vehicle count estimates for vehicles that will use the access. Leaving the property then returning is two counts.

Indicate if your counts are <input type="checkbox"/> peak hour volumes or <input checked="" type="checkbox"/> average daily volumes.	# of passenger cars and light trucks at peak hour volumes 126	# of multi unit trucks at peak hour volumes
# of single unit vehicles in excess of 30 ft.	# of farm vehicles (field equipment)	Total count of all vehicles 126

18) Check with the issuing authority to determine which of the following documents are required to complete the review of your application.

- a) Property map indicating other access, bordering roads and streets.
- b) Highway and driveway plan profile.
- c) Drainage plan showing impact to the highway right-of-way.
- d) Map and letters detailing utility locations before and after development in and along the right-of-way.
- e) Subdivision, zoning, or development plan.
- f) Proposed access design.
- g) Parcel and ownership maps including easements.
- h) Traffic studies.
- i) Proof of ownership.

1- It is the applicant's responsibility to contact appropriate agencies and obtain all environmental clearances that apply to their activities. Such clearances may include Corps of Engineers 404 Permits or Colorado Discharge Permit System permits, or ecological, archeological, historical or cultural resource clearances. The COOT Environmental Clearances Information Summary presents contact information for agencies administering certain clearances, information about prohibited discharges, and may be obtained from Regional COOT Utility/Special Use Permit offices or accessed via the COOT Planning/Construction-Environmental-Guidance webpage: <https://www.codot.gov/programs/environmental/resources/guidance-standards/environmental-clearances-information-summary-august-2017/view>

2- All workers within the State Highway right of way shall comply with their employer's safety and health policies/procedures, and all applicable U.S. Occupational Safety and Health Administration (OSHA) regulations - including, but not limited to the applicable sections of 29 CFR Part 1910 - Occupational Safety and Health Standards and 29 CFR Part 1926 - Safety and Health Regulations for Construction.

Personal protective equipment (e.g. head protection, footwear, high visibility apparel, safety glasses, hearing protection, respirators, gloves, etc.) shall be worn as appropriate for the work being performed, and as specified in regulation. At a minimum, all workers in the State Highway right of way, except when in their vehicles, shall wear the following personal protective equipment: High visibility apparel as specified in the Traffic Control provisions of the documentation accompanying the Notice to Proceed related to this permit (at a minimum, ANSI/ISEA 107-1999, class 2); head protection that complies with the ANSI Z89.1-1997 standard; and at all construction sites or whenever there is danger of injury to feet, workers shall comply with OSHA's PPE requirements for foot protection per 29 CFR 1910.136, 1926.95, and 1926.96. If required, such footwear shall meet the requirements of ANSI Z41-1999.

Where any of the above-referenced ANSI standards have been revised, the most recent version of the standard shall apply.

3- The Permittee is responsible for complying with the Revised Guidelines that have been adopted by the Access Board under the American Disabilities Act (ADA). These guidelines define traversable slope requirements and prescribe the use of a defined pattern of truncated domes as detectable warnings at street crossings. The new Standards Plans and can be found on the Design and Construction Project Support web page at: <https://www.codot.gov/business/civilrights/ada/resources-engineers>

If an access permit is issued to you, it will state the terms and conditions for its use. Any changes in the use of the permitted access not consistent with the terms and conditions listed on the permit may be considered a violation of the permit.

The applicant declares under penalty of perjury in the second degree, and any other applicable state or federal laws, that all information provided on this form and submitted attachments are to the best of their knowledge true and complete.

I understand receipt of an access permit does not constitute permission to start access construction work.

Applicant or Agent for Permittee signature	Print name	Date
--	------------	------

If the applicant is not the owner of the property, we require this application also to be signed by the property owner or their legally authorized representative (or other acceptable written evidence). This signature shall constitute agreement with this application by all owners-of-interest unless stated in writing. If a permit is issued, the property owner, in most cases, will be listed as the permittee.

Property owner signature	Print name	Date
--------------------------	------------	------

**INSTRUCTIONS FOR COMPLETING APPLICATION FOR ACCESS PERMIT
(CDOT FORM NO. 137)
December 2018**

To construct, relocate, close, or modify access(es) to a State Highway or when there are changes in use of such access point(s), an application for access permit must be submitted to the Colorado Department of Transportation (COOT) or the local jurisdiction serving as the issuing authority for State Highway Access Permits. Contact the COOT Regional Access Unit in which the subject property is located to determine where the application must be submitted. The following link will help you determine which COOT Region office to contact:

<https://www.codot.gov/business/permits/accesspermits/regional-offices.htm>

All applications are processed and access permits are issued in accordance to the requirements and procedures found in the most current version of the State Highway Access Code (Access Code). Code and the application form are also available from CDOT's web site at:

<https://www.codot.gov/business/permits/accesspermits>

Please complete all information requested accurately. Access permits granted based on applications found to contain false information may be revoked. An incomplete application will not be accepted. If additional information, plans and documents are required, attach them to the application. Keep a copy of your submittal for your records. Please note that only the original signed copy of the application will be accepted. Do not send or enclose any permit fee at this time. A permit fee will be collected if an access permit is issued. The following is a brief description of the information to be provided on each enumerated space on the application form (COOT Form 137,2010).

1. Property Owner (Permittee): Please provide the full name, mailing address and telephone number and the E-mail address (if available) of the legal property owner (owner of the surface rights). Please provide a telephone number where the Permittee can be reached during business hours (8:00 a.m. to 5:00 p.m.). Having a contract on the property is not a sufficient legal right to that property for purposes of this application. If the access is to be on or across an access easement, then a copy of the easement **MUST** accompany this application. If federal land is involved, provide the name of the relevant federal agency **AND** attach copy of federal authorization for property use.

2. Agent for permittee: If the applicant (person completing this application) is different than the property owner (Permittee), provide entity name (if applicable), the full name of the person serving as the Agent, mailing address, telephone number, and the E-mail address (if available). Please provide a telephone number where the Agent can be reached during business hours (8:00 a.m. to 5:00 p.m.). Joint applications such as owner/lessee may be submitted. Corporations must be licensed to do business in Colorado: All corporations serving as, or providing, an Agent as the applicant must be licensed to do business in Colorado.

3. **Address of Property to be Served:** Provide if property to be served has an official street address. If the access is a public road, note the name (or future name) of the road.
4. **Legal Description of Property:** Fill in this item to the extent it applies. This information is available at your local County Courthouse, or on your ownership deed(s). A copy of the deed may be required as part of this application in some situations. To determine applicability, check with the CDOT's Regional Access Manager or issuing authority staff.
5. **State Highway:** Provide the State Highway number from which the access is requested.
6. **Highway Side:** Mark the appropriate box to indicate what side of the highway the requested access is located.
7. **Access Mile Point:** Without complete information, we may not be able to locate the proposed access. To obtain the distance in feet, drive the length between the mile point and the proposed access, rounding the distance on the odometer to the nearest tenth of a mile; multiply the distance by 5,280 feet to obtain the number of feet from the mile point. Then enter the direction (i.e. north, south, east, west) from the mile point to the proposed access. Finally, enter the mile point number. It is helpful in rural or undeveloped areas if some flagging is tied to the right-of-way fence at the desired location of the access. Also, if there is a cross street or road close to the proposed access, note the distance in feet (using the same procedures noted above) from that cross street or road.
8. **Access Construction Date:** Fill in the date on which construction of the access is planned to begin.
9. **Access Request:** Mark items that apply. More than one item may be checked.
10. **Existing property use:** Describe how the property is currently being used. For example, common uses are Single Family Residential, Commercial or Agricultural.
11. **Existing Access:** Does the property have *any other legal alternatives to reach a public road* other than the access requested in this application? Note the access permit number(s) for any existing state highway access point(s) along with their issue date(s). If there are no existing access point(s), mark the "no" box.
12. **Adjacent Property:** Please mark the appropriate box. If the "yes" box is marked, provide a brief description of the property (location of the property in relation to the property for which this access application is being made).
13. **Abutting Streets:** If there are any other existing or proposed public roads or easements abutting the property, they should be shown on a map or plan attached to this application.
14. **Agricultural Acres:** Provide number of acres **to be served**.

15. Access Use: List the land uses and square footage of the site as it will be when it is fully developed. The planned land uses as they will be when the site is fully developed are used to project the amount of traffic that the site will generate, peak hour traffic levels and the type of vehicles that can be expected as a result of the planned land uses. There may be exceptional circumstances that would allow phased installation of access requirements. This is at the discretion of the COOT Regional Access Unit or issuing authority staff.

16. Estimated Traffic Count: Provide a reasonable estimate of the traffic volume expected to use the access. Note the type of vehicles that will use the access along with the volume (number of vehicles in and out at either the peak hour or average daily rates) for each type of vehicle. A vehicle leaving the property and then returning counts as two trips. If 40 customers are expected to visit the business daily, there would be 80 trips in addition to the trips made by all employees and other visitors (such as delivery and trash removal vehicles). If the PDF on-line version of this application is being used, the fields for each type of vehicle will automatically be added together to populate the last field on the page.

17. Documents and Plans: The COOT Regional Access Manager or issuing authority staff will determine which of these items must be provided to make the application complete. Incomplete applications will not be accepted. If an incomplete application is received via U.S. mail or through means other than in the hand of the Access Manager or issuing authority staff, it will not be processed. ***It is the responsibility of the applicant to verify with the CDOT Regional Access Manager or issuing authority staff whether the application is complete at the time of submission.***

Signature: Generally, if the applicant is not the property owner, then the property owner or a legally authorized representative must sign the application. With narrow exceptions, proof of the property owner's consent is required to be submitted with the application (proof may be a power of attorney or a similar consent instrument). The COOT Regional Access Manager or issuing authority staff will determine if the exception provided in the Access Code (2.3 (3) (b)) is applicable.

If COOT is the issuing authority for this application, direct your questions to the COOT Regional Access Manager or the issuing authority staff serving the subject property.

<https://www.codot.gov/business/permits/accesspermits/regional-offices.html>

If the application is accepted, it will be reviewed by the COOT Regional Access Manager or the issuing authority staff. If an Access Permit is issued, be sure to read all of the attached Terms and Conditions before signing and returning the Access Permit. The Terms and Conditions may require that additional information be provided prior to issuance of the Notice to Proceed.

The COOT Regional Access Manager (or issuing authority staff) **MUST** be contacted prior to commencing work on any Access Permit project. ***A Notice to Proceed that authorizes the Permittee to begin access related construction MUST be issued prior to working on the access in the State Highway right-of-way.*** The Notice to Proceed may also have Terms and Conditions that must be fulfilled before work may begin on the permitted access.