How do I apply for an improvement permit?

1. Fill out the Improvement Application Form.
   a. Provide owners name, mailing address, site address, and phone number.
   b. Property Description: lot, block, phase, subdivision, or if acreage, provide legal description, include site address.
   c. Owner must sign and date the application form: (a notarized letter of authorization may be submitted for owner's agent to sign).
   d. Each contractor must sign and date the application form and submit a current certificate of liability insurance.
2. Proof of ownership must be submitted: (i.e. current property tax statement, warranty deed, deed with vendor's lien, settlement statement, or deed of trust, etc.).
3. Provide a set of scale drawings describing the improvement to be permitted. Owner or owner's agent must sign and date all drawings submitted for review.
   a. Lot drawing describing property corners, property lines, shoreline, and distances
   b. Side views describing elevations above normal pool: (See examples.)
4. Fill out information on electrical form (if applicable) and have it signed and dated by owner or owner's agent. (***Note: State legislation requires all electrical installations must be performed by a licensed electrical contractor***).
5. Submit completed application to TRWD along with a $100.00 non-refundable permit application fee. Personal check, cashier's check, money order, or debit/credit card will be accepted. **Cash will not be accepted.**
6. Once the permit application has been submitted, a District inspector will review the permit application and a site inspection will be conducted. Once complete, and the permit meets TRWD requirements, the permit application will be approved and issued for 30, 60, or 90 days. A copy of the issued permit application will be mailed to the owner.
   Note: Construction shall not start until the permit application has been approved. Submittal of the application is not an automatic approval.
7. Upon expiration of the permit period, a District inspector will conduct a final inspection of the improvement to ensure that it meets compliance with the issued permit. If at this time the improvement is incomplete, an extension will be allowed for up to 90 days. The fee for an extension is $50.00. If the improvement is incomplete at the end of the extension, a new permit may be required.
8. Any variations from the approved permit must be submitted to TRWD for approval ***prior*** to any changes being made.

Revised 2/7/18

trwd
Tarrant Regional Water District

Application for Improvement Permit

Permit #: _____ Approved Square Footage: _____

Date Issued: _____ Expiration Date: _____

Type of Improvement: _____

Special Conditions: _____

Approved by: _____ Receipt #: _____

FOR DISTRICT USE ONLY. DO NOT WRITE ABOVE THIS LINE.

Lake: _____ Application Date: _____

Owner: _____ Phone #: _____

Mailing Address: _____

Address of Permit: _____

Lot: _____ Block: _____ Addition: _____

Description of Improvement: _____

_____

Contractor	Phone	Type of Work
1.		
2.		

Owner and Contractor agree to accomplish the construction in strict compliance with the plans and specifications and construction must be completed prior to the expiration of the permit. Owner or contractor must notify the District to arrange for a general inspection upon completion.

Owner represents that he owns and/or controls the above referenced property and that he will comply with all applicable laws, ordinances, rules and regulations of governmental agencies concerning this construction, specifically including but not limited to the General Ordinance of the District and the ordinances, rules and regulations of the United States Army Corp of Engineers, the United States Environmental Protection Agency, and the Texas Natural Resource Conservation Commission. The Owner further represents that he will not be in violation of any regulations or restrictions imposed by any County or Municipal Agency or by any deed restrictions which may be attached to the property and that any required variance has been secured. The District assumes no responsibility for, and the Owner will hold the District harmless from, disputes of title, rights, or liability for damages to persons or property arising from the construction, maintenance, or existence of such improvements. At any time the condition or presence of this improvement interferes with the operation of the reservoir or the safety of the persons or property using the surface thereof, the Owner agrees to immediately make any and all changes or corrections necessary to make the improvement comply with the General Ordinance or remove the improvement from District property at Owner's expense.

By acceptance of the subsequent permit, you hereby release and discharge Tarrant Regional Water District and its agents, and directors, and agree that Tarrant Regional Water District shall not be held liable or responsible for, and shall be indemnified and held harmless by you, your successors, assigns, and helps, from and against any and all claims and damages of every kind for injury indirectly, to operation, use, or existence, of the improvement which you are requesting permission to construct on the District's Reservoir, or from any act of the District, its agents and directors including the operation BASED IN WHOLE OR IN PART ON THE ALLEGED NEGLIGENCE OR OTHER TORT OF TARRANT REGIONAL WATER DISTRICT OR ITS AGENTS OR DIRECTORS, THE PARTIES HERETO INTENDING HEREBY TO SATISFY THE EXPRESS NEGLIGENCE DOCTRINE.

This release and indemnification shall survive termination or expiration of the permit,

Agreed to by the undersigned this _____ day of _____ 20____.

_____
Property Owner

_____
Contractor

_____
Contractor

PUBLIC NOTICE

As of December 21, 2010, the Tarrant Regional Water District Board of Directors approved revisions to the District's Waste Control Order. A copy of the District's Ordinances, Guidelines and Orders may be obtained at any District office or at www.trwd.com. A new fee schedule was also approved and becomes effective January 1, 2011. The following is the current fee schedule:

Improvement Permits ----------$100.00

Irrigation pump Permits ----------$100.00

Improvement Permit Extension ----------$50.00

Residential On-Site Sewage Disposal Permits ----------$300.00

Commercial On-Site Sewage Disposal Permits ----------$400.00

Residential OSSD Permit Re-inspection Fee ----------$150.00

Commercial OSSD Permit Re-inspection Fee ----------$200.00

Subdivision Sewage Disposal Plans ----------$400.00

Revised - 4/20/11

INSURANCE REQUIREMENTS
FOR IMPROVEMENT CONTRACTORS
Effective August 1, 2000

Effective August 1, 2000, contractors who provides a service that is subject to an Improvement Permit **shall** carry a **General Liability Policy with a minimum coverage of $500,000 per occurrence and list the District as an additional insured with a waiver of subrogation.** **Effective May 1, 2003,** contractors must provide a copy of this Policy to the Tarrant Regional Water District.

A **Certificate of Liability** and a **Declaration Page** may be submitted if the Policy is not available, however, the specific type of work that you perform must be listed in the Description of Operations and on the Declaration Page.

If subcontractors are to be covered by your insurance policy while working on your job, then your policy **must** state that you are a **General Contractor** and **Subcontractors** are covered. If you do not intend to cover your contractors, then they will be required to meet the same insurance requirements.

There are no exceptions to the above requirements. A copy of the contractor's Certificate of Liability Coverage and the Declaration Page will be required each time a permit is submitted. The Certificate must have a validation date and the Insurance Company will be required to notify the District within 30 days if the insurance policy is cancelled.

Note: Insurance requirements are subject to change at the discretion of the District.

Tarrant Regional Water District
6613 Ashby Lane
Trinidad, Tx. 75163
(903)432-2814
Fax (903)432-3355

Tarrant Regional Water District
140 FM 416
Streetman, Tx. 75859
(903)389-3928
Fax (903)389-7587

4/11/03

Public Notice

On April 11, 2005 Tarrant Regional Water District began requiring that all Improvement Permit Applications received for piers and boat docks include provisions to display the property owner's 911 address. Effective August 1, 2006 the following guidelines will now be required when displaying this address. The address must be on a weather resistant 1/16" or thicker aluminum sign with four inch or larger reflective letters. The sign must be mechanically fastened and must be visible from the lakeside of the structure.

In order to improve night time visibility the District is also implementing the following requirement. Effective August 1, 2006 all structures built over the conservation elevation of the reservoir (elevation 322.00 msl) must be equipped with reflectors. The reflectors must be weather resistant plastic, 3" or larger in diameter, white in color and mechanically fastened to the walkway support joists. The reflector spacing shall be no more than 20' apart on each side of the walkway leading out to the structure and on all four corners of the end structure.

Buckley Butler
Reservoir Manager

Required drawing information

1) Top view of proposed retaining wall and property.
    a) The lot drawing must accurately represent the site.
    b) State the distance between the flood storage elevation and normal pool elevation.
    c) State total length of wall.
    d) State depth of wall into lake bottom.
    e) State height of wall above lake bottom.
    f) State wall elevation.
    g) State size, type and distance between wall anchors.
    h) State size, type and length of tie-backs.
    i) State whether the wall will have returns or attach to adjacent walls. If returns are to be installed, state the length of the returns. **(*note: returns will be required if not attaching to adjacent walls)**
    j) State whether a sidewalk is to be installed. It must be shown on the drawing with its elevation above mean sea level/normal pool elevation noted and identify any overhang if desired.
    k) Show distances of new wall in relation to existing shoreline and note its condition as well. (i.e. unimproved shoreline, old wall, etc.)
    l) Calculate the amount of backfill required. If you are proposing to reclaim land, you must also calculate how much storage volume of the reservoir will be displaced.
    m) Without special circumstances and/or variances, all backfill must come from the reservoir. It must be stated on the drawings where the backfill material is coming from.
    n) List all materials to be used during construction.
2) On site, pre-inspection requirements:
    a) All lot corners **must** be clearly marked.
    b) The proposed wall location must be clearly marked.

SHORELINE STABILIZATION

STREET NAME

XX'-XX"

XX'-XX"

SIGNATURE: _____

DATE: _____

LOT NUMBER: _____

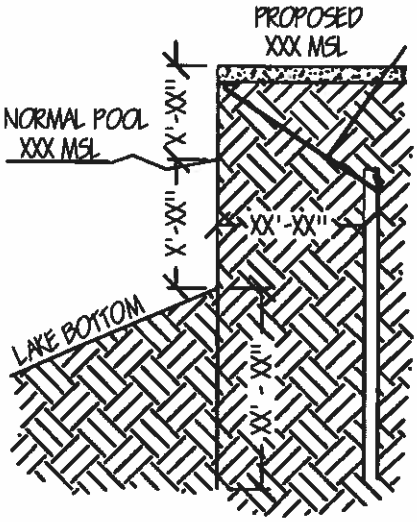
SUBDIVISION: _____

SCALE: 1" = 30' OR LARGER

TOP VIEW

X'-XX"

XX'-XX"



XXX CUBIC YARDS BACKFILL
ALL BACKFILL MUST COME
FROM RESERVOIR

PLATTED FLOOD STAGE XXX' MSL

XX'-XX"

XX'-XX"

XX'-XX"

XX'-XX"

XX'-XX"

XX'-XX"

EXISTING SHORE LINE

XX'-XX"

XX'-XX"

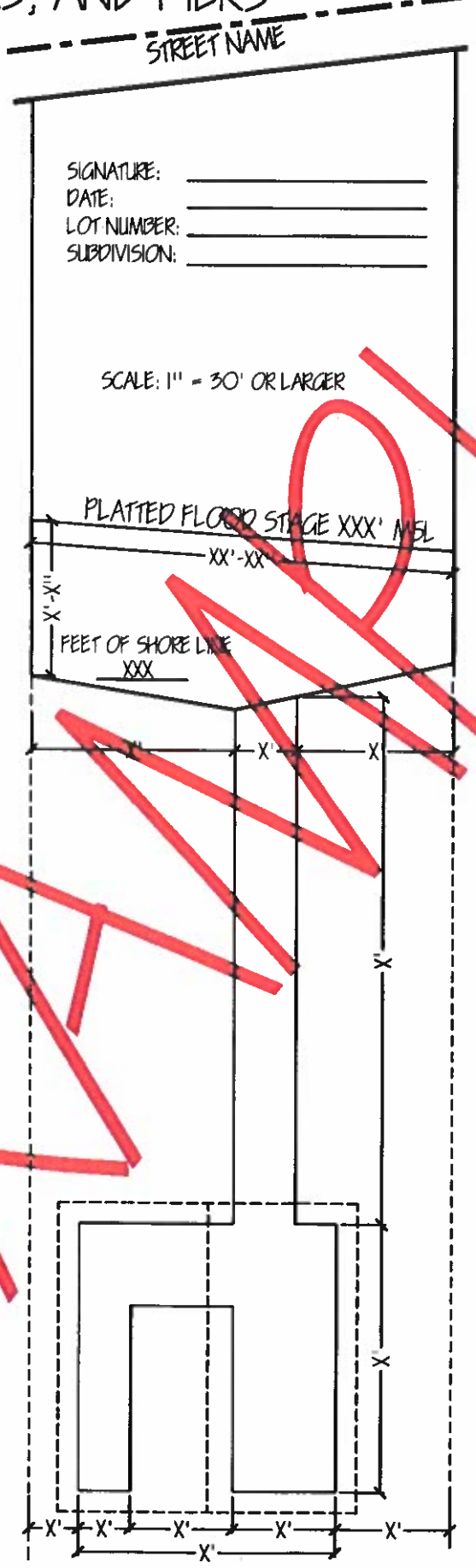
PROPOSED RETAINING WALL

PROPOSED RETAINING WALL

Required drawing information

1) Top view of proposed structure and property.
    a) The lot drawing must accurately represent the site.
    b) State the distance between the flood storage elevation and normal pool elevation.
    c) State the length of shoreline at normal pool elevation.
    d) State the distance between the proposed structure and the nearest side property lines at the shoreline and at the end of the structure.
    Minimum of 5' for any structure. Minimum of 20' for any structure over 1200 square feet.
    e) State the overall distance of the structure into the reservoir.
    f) State the overall dimensions of the structure noting the orientation of any and all boat or personal watercraft slips.
    g) State the dimension of any storage closet (20 sq ft max.), sink, cabinet, or stairway.
2) Profile views of shore, lake, right, left.
    a) State deck height above normal pool elevation: (minimum deck height is 18" above normal pool elevation).
    b) State height from the deck to the top-plate.
    c) State the type of roof: (hip, gable, half gable or flat).
    d) State the pitch of the roof if hip or gable.
    e) State the overall distance of the structure into the reservoir.
    f) State the overall dimensions of the structure noting the orientation of any and all boat or personal watercraft slips.
    g) State the dimension of any storage closet, sink, cabinet, or stairway.
    h) State the height of any hand rails if installed on the structure.
    i) State distances between pilings and the depth to which they will be driven.
3) Electrical schematic.
    a) State the size, number, voltage and amperage of service conductors.
    b) State the size, number, voltage and amperage of each circuits conductor.
    c) State the irrigation pump motor size and note if it is existing or new.
    d) State hoist motor size(s).
    e) State total light wattage.
    f) State types and sizes of conduits used.
4) On site, pre-inspection requirements.
    a) All lot corners **must** be clearly marked.
    b) The proposed improvement location must be clearly marked.

BOATHOUSES, DOCKS, AND PIERS



LAKE VIEW
4x
SHORE VIEW
RIGHT SIDE VIEW
MATERIAL
XX'
XX'
XXX MSL
XXX MSL
XX'
XX'
LEFT SIDE VIEW
MATERIAL

LAKE VIEW
SHORE VIEW
RIGHT SIDE VIEW
XX'
XX'
XX'
XXX MSL
XX'
LEFT SIDE VIEW

CEDAR CREEK LAKE

Improvement Permit Guidelines

A permit is required for all construction, placement or operation of any structure, improvement of facility of any type, or to excavate or place fill materials, at or below elevation **325.00'** (expressed in feet above mean sea level). This includes any addition or modification to any existing structure or improvement.

The conservation or spillway elevation of **Cedar Creek Lake** is **322.00** feet above m.s.l. The current 100 year flood level is **325.00**. Due to the potential of shoreline flooding the District purchased a flood easement that encompasses the property between the conservation level of **322.00** and elevation **325.00**. Cedar Creek Lake is a water supply and water conservation project and the level of water in the lake will vary depending on the amount of water used from the lake, evaporation rates, amounts of rainfall and runoff in the reservoir watershed and other factors.

The following must be submitted before a permit will be considered:

1. A completed application, including signatures of owner and contractor.
2. A recorded plat of the property showing the shore front dimensions and location of the improvement.
3. Proof of ownership of the property (i.e. copy of deed, tax statement, sales contract).
4. Plans, specifications, construction details and a list of materials to be used. The drawing must be to scale, one inch to thirty feet (1 inch = 30 feet) or larger and include views from all five sides when applicable.
5. A $100.00 non-refundable application fee. Please make check or money order payable to TRWD. **CASH WILL NOT BE ACCEPTED!**
6. Outside corners of the lot at roadside and at elevation **325.00** feet m.s.l. must be clearly marked at the time of the pre-permit inspection for a permit to be issued and remain marked throughout the construction process.
7. A copy of the contractor's general liability insurance policy. The District requires that all contractors working on District Reservoirs provide a Certificate of Insurance. Each certificate must name Tarrant Regional Water District as additional insured, as well as provide a waiver of subrogation. Liability coverage shall be no less than $500,000 per occurrence.

Applicants should allow 10 working days for the processing of all permit applications. A construction permit is valid for a period to be determined by the District, with a minimum of 30 days and a maximum of 90 days. A construction extension may be granted at the sole discretion of the District. The extension fee is $50.00 and is valid for a period to be determined by the District with a maximum of 90 days. No more than one extension will be granted. Permits are required for alterations on existing structures. The $100.00 fee may be waived, at the discretion of the District, for applications requesting additions to existing structures. Other than general maintenance, construction is not permitted without an approved written permit.

Any construction without a permit is a violation of the General Ordinance. At any time the condition or presence of this improvement interferes with the operation of the reservoir or the safety of the persons or property using the surface thereof, the Owner agrees to immediately

make any and all changes or corrections necessary to make the improvement comply with the General Ordinance or remove the improvement from District property at Owner's expense. A person who violates the General Ordinance commits an offense. An offense is a Class C Misdemeanor and shall be subject to a civil penalty of not less than $10.00 and not more than $1000.00 for each violation or each day of continuing violation.

GUIDELINES FOR RETAINING WALLS, DREDGING, AND FILL WORK

1. Retaining walls shall be constructed in a manner that improves the shoreline alignment. If an eroded area along the shoreline is approved by the District to be reclaimed then the backfill material must also be reclaimed from the reservoir.

2. Approved materials for seawalls include concrete, soil cement, minimum 8 gauge steel sheet piling, PVC sheet piling, pressure treated lumber, and rip rap. Other materials with a long life expectancy will be considered. Creosote materials will not be approved.

3. All dredging activity must be performed in such a manner that will maintain a gently sloping lake bottom and prevent the formation of holes or sudden drop-offs.

4. All construction activities disturbing the soil at or below the flood flowage boundary of the reservoir must employ erosion control practices to minimize the amount of sediment entering the reservoir.

5. All dredged materials shall be placed in such a manner as to prevent any sediment runoff back into the reservoir. Containment and/or silt screens may be required.

6. The District recommends that before any dredging contractor begins work that he/she first call 1-800-DIGTESS (1-800-344-8377) to determine if underground utilities are located in the area.

GUIDELINES FOR IRRIGATION SYSTEMS

1. The use of raw water from **Cedar Creek** for irrigation purposes shall be limited to irrigation of residential shoreline property that is contiguous to the reservoir.

2. Water transmission lines will not be allowed to cross any public thoroughfare.

3. The electrical services shall be installed in accordance with the National Electric Code as amended and revised. The District performs cursory electrical inspections for general compliance **only**. The homeowner is advised to have a licensed electrician, electrical inspector, or other professional with expertise in electrical installations to inspect all electrical components to ensure that the installation meets all requirements specified in the National Electric Code.

4. A permit fee of $100.00 will be assessed.

5. Submersible pumps shall not be placed in District Reservoirs.

6. The intake for above ground pumps will be located and anchored in a manner so as not to be a hazard to navigation or recreation.

GUIDELINES FOR STRUCTURE IMPROVEMENT

1. If a residence cannot be built or placed on a lot, an improvement may not be permitted for that property.

2. Community boat structures will be considered commercial operations and therefore fall under the Commercial Facilities Ordinance.

3. The area measured is to be the largest area at the end of a walkway. The largest area may be either the outside corners of the structure or the roofline if it has more than a two-foot overhang.

4. The maximum size allowed for any structure is determined as follows:

   a. Eight (8) square feet of structure is allowed per linear foot of shoreline owned up to 150 linear feet (1200 square feet).

   b. An additional four (4) square feet of structure is allowed for each linear foot of shoreline owned from 151-250 linear feet (1,204-1,600 square feet).

   c. An additional two (2) square feet of structure is allowed for each linear foot of shoreline owned from 251-450 linear feet (1,602-2,000 square feet).

   d. An additional one (1) square foot of structure is allowed for each linear foot of shoreline owned over 450 linear feet.

   e. The area measurement shall exclude one walkway not to exceed eight (8) feet wide to the structure. The distance the structure extends into the reservoir shall be kept as short a distance as is practical so as not to impair navigation and to maintain continuity with the shoreline. The maximum square footage may not be allowed in all cases.

5. Where large undivided tracts or multiple lots are used to determine the maximum area of an improvement, an agreement shall be signed and recorded whereby the linear footage of shoreline for a certain area is set aside and cannot be used for the future determination of other structures.

6. No part of an improvement can be closer than five feet to the property line, excluding fences, sidewalks and retaining walls. Structures over 1200 square feet must be twenty feet from property lines.

7. No structure may occupy more than one third of any channel width and in no case shall any part of the structure come within ten feet of the centerline of the channel. Exceptions may be granted for structures located at the end of a channel.

8. There will be no living quarters built over any area below the spillway elevation of a reservior whether it be spanned, cantilevered or by other means.

9. Enclosed structures are not allowed on District Reservoirs. In order to protect a raised boat within a dock from the elements, solid sides on the dock will only be permitted for a maximum of two (2) feet downward from the roofline. No additional materials (i.e. lattice, fencing, bars, screen fabric, doors, glass, etc.) may be installed below the two (2) foot sidewall.

10. A small storage area is allowed on the structure for tackle, life jackets, etc. A twenty (20) square foot enclosure shall be considered maximum for any such storage area.

11. No toilet facilities of any type will be allowed on structures.

12. Fuel pumping facilities are not allowed on any non-commercial facility or watercraft.

13. A three-story sun deck will not be approved.

14. Any structure that extends more than fifty feet from the shoreline shall be equipped with a light from dusk to dawn. At the discretion of the District, additional lighting may be required on docks exceeding 50 feet. Circumstances may require that lighting be placed on docks, which are less than 50 feet in length. The light must be capable of sufficiently illuminating the structure and shall be white. The homeowner or contractor may also be required to provide temporary safety lighting during the construction of any improvement extending into the reservoir. If required, lighting must be located on the end of the structure during construction and remain until permanent lighting is installed.

15. The deck of a structure shall be no less than 18 inches above elevation **322.00** feet msl.

16. The electrical services shall be installed in accordance with the National Electric Code as amended and revised. A complete electrical plan must be provided with the application. The District performs cursory electrical inspections for general compliance **only**. The homeowner is advised to have a licensed electrician, electrical inspector, or other professional with expertise in electrical installations to inspect all electrical components to ensure that the installation meets all requirements specified in the National Electric Code.

17. All materials exposed to the elements shall be cedar, redwood, treated wood, concrete or steel materials. Other materials with long life expectancy will be considered. No metal barrels may be used for flotation. Only extruded (closed cell) polystyrene or foam bead expanded polystyrene that is encased in a high quality protective cover and that has been approved by the District may be used for flotation. Any replacement of flotation on existing structures must be made using the approved encapsulated polystyrene. Creosote treated materials will not be permitted below conservation level.

18. All connections below the walkway shall be bolted with galvanized, zinc plated, cadmium plated or stainless steel bolts. Steel materials may be welded. Other connections may be nailed or attached by screws.

19. All construction activities disturbing the soil at or below the flood flowage boundary of the reservoir must employ erosion control practices to minimize the amount of sediment entering the reservoir.

20. Steel pilings shall be a minimum of two and seven eighths inches (2 7/8) in diameter. Wood pilings must be pressure treated and at least six inches in diameter. Creosote pilings will not be allowed.

21. The roof of a structure shall have a maximum of 4 in 12 pitch.

22. A permit issued by the District in no way releases the improvement owner from the responsibility of meeting the requirements of Federal, State, County or City regulations or any Development Deed Restrictions that may apply.

23. Circumstances will arise in which some of the above guidelines may not be practicable. In these cases, the District management reserves the right to use its own discretion.

24. Improvements are placed on District property at the District's sole discretion.

MINIMUM REQUIREMENTS FOR ELECTRICAL INSTALLATIONS

ON TRWD EASEMENTS AND PROPERTIES

EFFECTIVE DECEMBER 1, 2012

1) MINIMUM SIZE WIRE SHALL BE #12 AWG.
2) WIRE SHALL BE LISTED AS SUITABLE FOR WET LOCATIONS.
3) ALL WIRE INSTALLED IN DAMP OR WET LOCATIONS SHALL BE IN CONDUIT. MC CABLE MAY BE INSTALLED IN ENCLOSED CEILINGS AND WALLS ONLY.
4) ALL UNDERGROUND SPLICES SHALL BE IN A HANDHOLE AND COVERS SHALL NOT BE BELOW FINISHED GRADE.
5) ALL ENCLOSED CONDUCTORS AND ANY SPLICES OR TERMINATIONS IN HANDHOLES, IF PRESENT, SHALL BE LISTED AS SUITABLE FOR WET LOCATIONS.
6) HANDHOLE ENCLOSURE COVERS SHALL HAVE AN IDENTIFYING MARK OR LOGO THAT PROMINENTLY IDENTIFIES THE FUNCTION OF THE ENCLOSURE, SUCH AS "ELECTRIC".
7) WIRE FROM MOTOR TO PLUG IN DEVICE SHALL BE JUNIOR HARD SERVICE CORD SUITABLE FOR WET LOCATIONS.
8) ALL SUB-PANELS SHALL HAVE RAINTIGHT ENCLOSURES.
9) ALL SUB-PANELS SHALL BE LOCATED ON THE FIRST FLOOR LEVEL AND BE READILY ACCESSIBLE.
10) GROUNDING CONDUCTORS SHALL BE ISOLATED FROM THE NUETRAL CONDUCTORS IN THE SUB-PANEL.
11) OVERCURRENT PROTECTION FOR ALL BRANCH CIRCUITS SHALL BE 20 AMPS OR GREATER.
12) ALL OUTLET CIRCUITS UP TO 240 VOLTS SHALL HAVE GFCI PROTECTION.
13) ALL BRANCH AND FEEDER CIRCUITS ON FLOATING BOATHOUSES SHALL HAVE GFCI PROTECTION.
14) ALL RECEPTACLES AND SWITCHES SHALL BE RATED FOR A MINIMUM OF 20 AMPS.
15) ALL OUTLET AND RECEPTACLE BOXES SHALL BE MOLDED W/ HUBS EXCEPT WHEN TOTALLY ENCLOSED WITHIN STORAGE AREA WALLS OR CEILINGS. (WALLS AND CEILINGS FINISHED OUT ON BOTH FACES)
16) A) ON FIXED STRUCTURES, ALL SWITCHES, RECEPTACLES, PANEL-BOARDS AND JUNCTION BOXES SHALL BE AT LEAST 4 FEET ABOVE THE NORMAL POOL LEVEL (CC – 322.00 ELEV. & RC – 315.00 ELEV.) AND 30 INCHES ABOVE FIRST FLOOR DECKS.
    B) ON FLOATING STRUCTURES, ALL SWITCHES, RECEPTACLES, PANEL-BOARDS AND JUNCTION BOXES SHALL BE AT LEAST 30 INCHES ABOVE THE WATER LEVEL AND 12 INCHES ABOVE FIRST FLOOR DECKS.
17) ALL SWITCHES AND RECEPTACLES IN DAMP LOCATIONS SHALL HAVE RAINTIGHT COVERS.
18) ALL SWITCHES AND RECEPTACLES IN WET LOCATIONS SHALL HAVE WEATHERPROOF IN-USE COVERS.

19) ALL LUMINAIRES INSTALLED IN WET LOCATIONS SHALL BE MARKED "SUITABLE FOR WET LOCATIONS".
20) ALL LUMINAIRES INSTALLED IN DAMP LOCATIONS SHALL BE MARKED "SUITABLE FOR WET LOCATIONS" OR "SUITABLE FOR DAMP LOCATIONS".
21) FLEXIBLE CONDUIT, USED IN RACEWAY SYSTEMS THAT ARE UTILIZED AS THE GROUNDING CONDUCTOR SHALL BE THE LIQUIDTIGHT FLEXIBLE METAL CONDUIT TYPE AND ALL BOXES AND ENCLOSURES, IN SUCH RACEWAYS, SHALL BE METAL.
22) THE ONLY FIRST LEVEL PORTIONS OF A BOATHOUSE THAT ARE CONSIDERED TO BE DRY LOCATIONS ARE ENCLOSED CEILINGS AND WALLS. (WALLS AND CEILINGS FINISHED OUT ON BOTH FACES)
23) THE ONLY SECOND LEVEL PORTIONS OF A BOATHOUSE THAT ARE CONSIDERED TO BE DRY LOCATIONS ARE ENCLOSURES WHERE THE FLOORS ARE SOLID AND, THE WALLS AND CEILINGS ARE FINISHED OUT ON BOTH FACES. THESE ENCLOSURES SHALL BE COMPLETE WITH OPERATIONAL DOORS AND WINDOWS.
NOTE: ALTHOUGH THESE TYPE ENCLOSURES ARE CLASSIFIED AS "DRY", OUTLETS SHALL HAVE GFI PROTECTION.
24) ALL ELECTRICAL INSTALLATIONS PERMITTED BY THE DISTRICT SHALL BE PERFORMED ACCORDING TO THE NATIONAL ELECTRICAL CODE BY AN ELECTRICAL CONTRACTOR LICENSED BY THE TEXAS DEPARTMENT OF LICENSE AND REGULATION.

DEFINITIONS

1. DRY LOCATION-A LOCATION NOT NORMALLY SUBJECT TO DAMPNESS OR WETNESS. A LOCATION CLASSIFIED AS DRY MAY BE TEMPORARILY SUBJECT TO DAMPNESS OR WETNESS, AS IN THE CASE OF A BUILDING UNDER CONSTRUCTION.
2. DAMP LOCATION-LOCATIONS PROTECTED FROM WEATHER AND NOT SUBJECT TO SATURATION OF WATER OR OTHER LIQUIDS BUT SUBJECT TO MODERATE DEGREES OF MOISTURE. EXAMPLES OF SUCH LOCATIONS INCLUDE PARTIALLY PROTECTED LOCATIONS UNDER CANOPIES, MARQUEES, ROOFED OPEN PORCHES, AND LIKE LOCATIONS, AND INTERIOR LOCATIONS SUBJECT TO MODERATE DEGREES OF MOISTURE, SUCH AS BASEMENTS, SOME BARNS, AND SOME COLD STORAGE WAREHOUSES.
3. WET LOCATIONS-INSTALLATION UNDERGROUND OR IN CONCRETE SLABS OR MASONRY IN DIRECT CONTACT WITH THE EARTH; IN LOCATIONS SUBJECT TO SATURATION WITH WATER OR OTHER LIQUIDS, SUCH AS VEHICLE WASHING AREAS; AND IN UNPROTECTED LOCATIONS EXPOSED TO WEATHER.

Tarrant Regional Water District

October 14, 2019

Dear Property Owners and Contractors,

As part of our Residential Improvement Permitting requirements, TRWD requires residential Improvements that are constructed on or over TRWD owned waters to comply with the National Electric Code (NEC). A recent update to the NEC included the following:

> N 555.24 Signage. Permanent safety signs shall be installed to give notice of an electrical shock hazard risk to persons using or swimming near a pier, boat dock or marina which has electrical service. All such improvements shall comply with all of the following:
>
> 1. The signage shall comply with 110.21(B)(1) and be of sufficient durability to withstand the environment.
> 2. The signs shall be clearly visible from all approaches to a pier, boat dock or marina facility.
> 3. The signs shall state "WARNING – POTENTIAL SHOCK HAZARD – ELECTRICAL CURRENTS MAY BE PRESENT IN THE WATER."
>
> N 555.3 Ground Fault Protection. The overcurrent protective devices that supply the marina, boatyards, and commercial and non-commercial docking facilities shall have ground-fault protection not exceeding 30 mA.

Effective December 1, 2019 TRWD will require that all improvement permit applications submitted to our office whether for entirely new structures, add-ons to existing structures, or other modifications below conservation level include these new requirements.

Please contact our office with any questions at (903) 432-2814.

Sincerely,

Buckley Butler
Reservoir Manager

REQUIRED INFORMATION

PUMP MOTOR SIZE: _____ EXISTING?_____

HOIST MOTOR SIZE: _____

TOTAL LIGHT WATTAGE: _____

SERVICE IS: _____AMPS

 # OF CIRCUITS:_____ @ _____AMPS

Owner's Signature: _____

CONTRACTOR NOTES

CONDUIT IS SHOWN SCHEMATICALLY. THE EXACT LOCATION WILL BE DETERMINED DURING CONSTRUCTION.

ALL WORK WILL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE BY AN ELECTRICAL CONTRACTOR LICENSED BY THE TEXAS DEPARTMENT OF LICENSE AND REGULATION.

SERVICE SIZE: 110V_____ / 220V_____

SERVICE WIRE SIZE: _____

Date: _____

ADDITIONAL REQUIREMENTS

1) MINIMUM SIZE WIRE IS #12.
2) ALL WIRE SHALL BE LISTED AS SUITABLE FOR WET LOCATIONS.
3) ALL RECEPTACLE OUTLETS AND SWITCHES. SHALL BE RATTED FOR 20 AMPS OR GREATER.
4) ALL SWITCHES AND OUTLETS SHALL HAVE WATER TIGHT COVERS.
5) ALL SWITCHES AND OUTLETS SHALL BE A MINIMUM OF 4' ABOVE THE NORMAL POOL LEVEL AND 30" ABOVE FIRST FLOOR DECKS.
6) ALL PLUG-IN DEVICES FOR MOTORS SHALL BE SJ CORD.

Name: _____

Address: _____

_____

Lot Number: _____

Addition: _____

_____ Conduit

_ _ _ _ _ Buried Conduit

GFCI Breaker

Motor

Electrical Warning Signs


Light

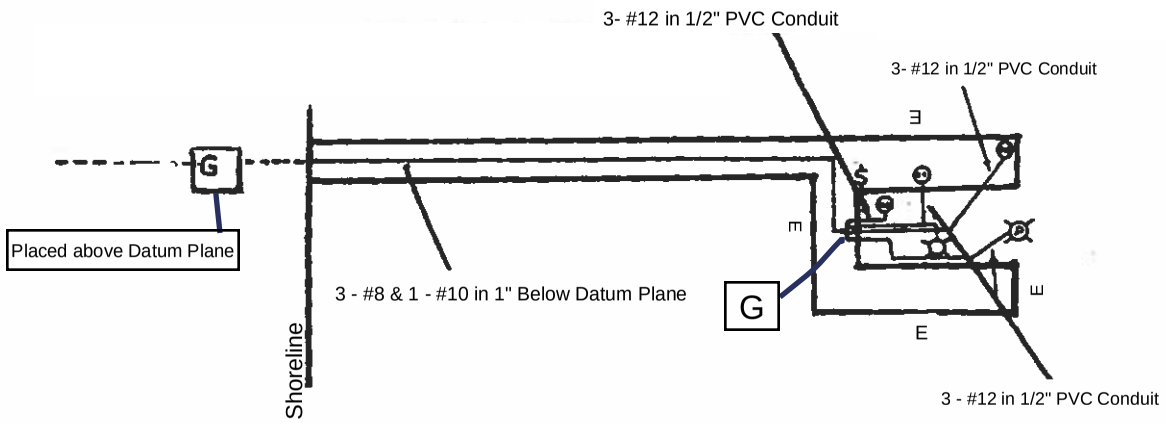
Light with Photocell

Distribution Panel


Convenience outlet with GFI Protection


Switch

Example Only



REQUIRED INFORMATION

PUMP MOTOR SIZE: 2 H.P. **EXISTING?** Y/N

HOIST MOTOR SIZE: 1 H.P.

TOTAL LIGHT WATTAGE: 300 Watts

SERVICE IS: 50 **AMPS**

 # OF CIRCUITS: 4 **@** 20 **AMPS**

Owner's Signature: _____

CONTRACTOR NOTES

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ALL WORK WILL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE BY AN ELECTRICAL CONTRACTOR LICENSED BY THE TEXAS DEPARTMENT OF LICENSE AND REGULATION.

SERVICE SIZE: 110V_____ **/ 220V** ✔

SERVICE WIRE SIZE: 3 - #6 & 1 - #10

Date: _____

ADDITIONAL REQUIREMENTS

1) MINIMUM SIZE WIRE IS #12.
2) ALL WIRE SHALL BE LISTED AS SUITABLE FOR WET LOCATIONS.
3) ALL RECEPTACLE OUTLETS AND SWITCHES. SHALL BE RATTED FOR 20 AMPS OR GREATER.
4) ALL SWITCHES AND OUTLETS SHALL HAVE WATER TIGHT COVERS.
5) ALL SWITCHES AND OUTLETS SHALL BE A MINIMUM OF 4' ABOVE THE NORMAL POOL LEVEL AND 30" ABOVE FIRST FLOOR DECKS.
6) ALL PLUG-IN DEVICES FOR MOTORS SHALL BE SJ CORD.

Name: John Doe

Address: 6613 Ashby Lane

Trinidad, Texas 75163

Lot Number: 1324, Blk. 5

Addition: TRWD, Ph. 1

_____ Conduit

G GFCI Breaker

_ _ _ _ _ Buried Conduit

E Electrical Warning Signs

M Motor

Light

P Light with Photocell

D Distribution Panel

Convenience outlet with GFI Protection

Switch

Permitting procedures for pesticide misting systems to control spiders on commercial and homeowner docks on TRWD reservoirs.

Effective 1/8/21

TRWD allows the use of misting systems on commercial docks (marinas) and on homeowner docks under the following guidelines:

Commercial Facilities

- TRWD will permit and inspect system prior to full operation (one inspection only after installation, then once annually during facility inspection) TDA license must be supplied to TRWD.
- Permit fee will be required. Amount will be based on current fee schedule at time of installation.
- System must be installed, operated, and maintained under the supervision of a TDA licensed pesticide applicator.
- Chemical used must be approved for use over water ~~a~~nd approved by TRWD. No substitutions of chemical are permitted without TRWD review and approval.
- The chemical solution tank shall remain locked at all times and only be accessed by the TDA license pesticide applicator.
- The tank must be located on land with fill ports above the 100-year flood elevation of the associated reservoir. The tank must have secondary containment equal to 100% of the tank volume. Tank placarding will be required with the TDA pesticide applicators name and contact information along with a tag indicating last service date and when the next service is due.
- An electric solenoid valve shall be installed on the chemical supply line from the tank to the misting systems within the tank containment and be open only when the system is activated and closed when system is not activated.
- A contract shall be developed between applicator and commercial dock operator and made available to TRWD when requested.
- Termination of a contract will require the system to be removed in its entirety.
- Commercial installations of misting systems will be inspected annually in conjunction with the annual facility inspection.

Homeowner Docks

- TRWD will not permit and inspect system prior to full operation.
- System must be installed, operated, and maintained under the supervision of a TDA licensed pesticide applicator.
- Chemical used must be approved for use over water and approved by TRWD. No substitutions of chemical are permitted without TRWD review and approval.
- The chemical solution tank shall remain locked at all times and only be accessed by the TDA license pesticide applicator.
- Tank fill ports will be located above the 100-year flood elevation of the associated reservoir. The tank must have secondary containment equal to 100% of the tank volume. Tank placarding will be required with the TDA pesticide applicators name and contact information along with a tag indicating last service date and when the next service is due.
- An electric solenoid valve shall be installed on the chemical supply line from the tank to the misting systems within the tank containment and be open only when the system is activated and closed when system is not activated.
- A contract shall be developed between applicator and dock owner and made available to TRWD when requested.
- Termination of a contract will require the system to be removed in its entirety.