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- SURROUNDING PROPERTY MAP
- ADA DETAILS SHEET
- PAVEDRAIN DETENTION POND
- PAVEDRAIN DETAILS

# APPENDIX:

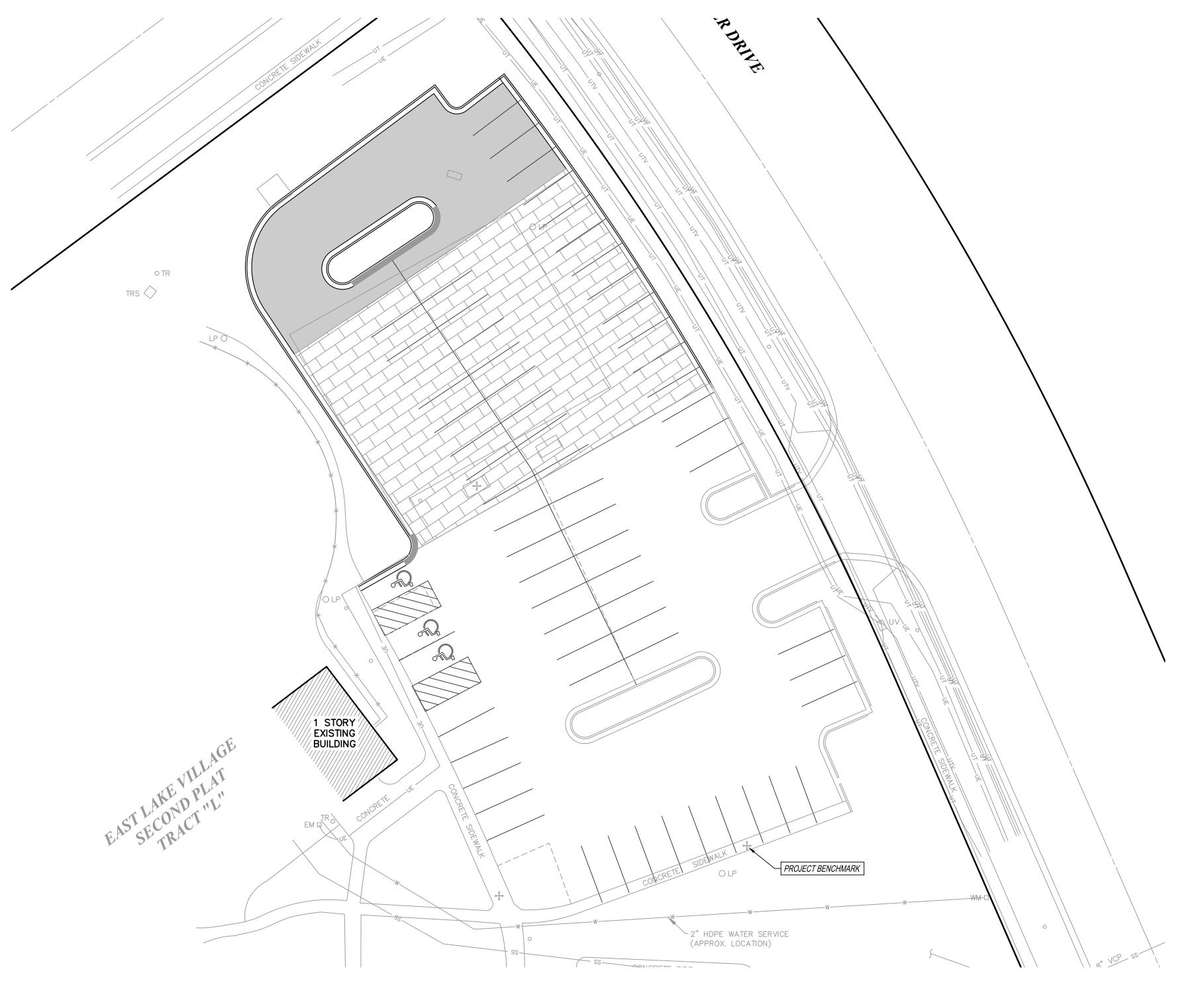
LIGHTING and PHOTOMETRIC PLAN

PRELIMINARY DEVELOPMENT PLAN

# LAKEWOOD POOL

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

PARKING LOT EXPANSION



### GENERAL NOTES:

- The underground utilities shown herein have been plotted from available information and do not necessarily reflect the actual verifying the actual locations of all underground utilities, shown or not shown, and said utilities shall be located in the field prior to any grading, excavation, or construction of improvements. These provisions shall in now way absolve any party from
- Prior to submittal of construction bids, the Contractor shall be required to visit the site to verify existing conditions and
- The Contractor shall be responsible for notification and coordination with all Utility Companies. The Contractor shall notify the Engineer immediately of any discrepancies in the plans "PRIOR" to installation or fabrication of
- 6. All curb shall be CG-1 unless otherwise noted.

PLANS PREPARED FOR Lakewood Homeowners Assoc.

651 NE Andrews Circle. Lee's Summit, MO 64064 Contact: Mark Reid 816-820-6621

PLANS PREPARED BY HG Consult, Inc. 1411 NE Todd George Lee's Summit, MO 64086 Contact: Kevin Sterrett 816-703-7098

PROJECT BENCHMARKS approximately35' west from the SE





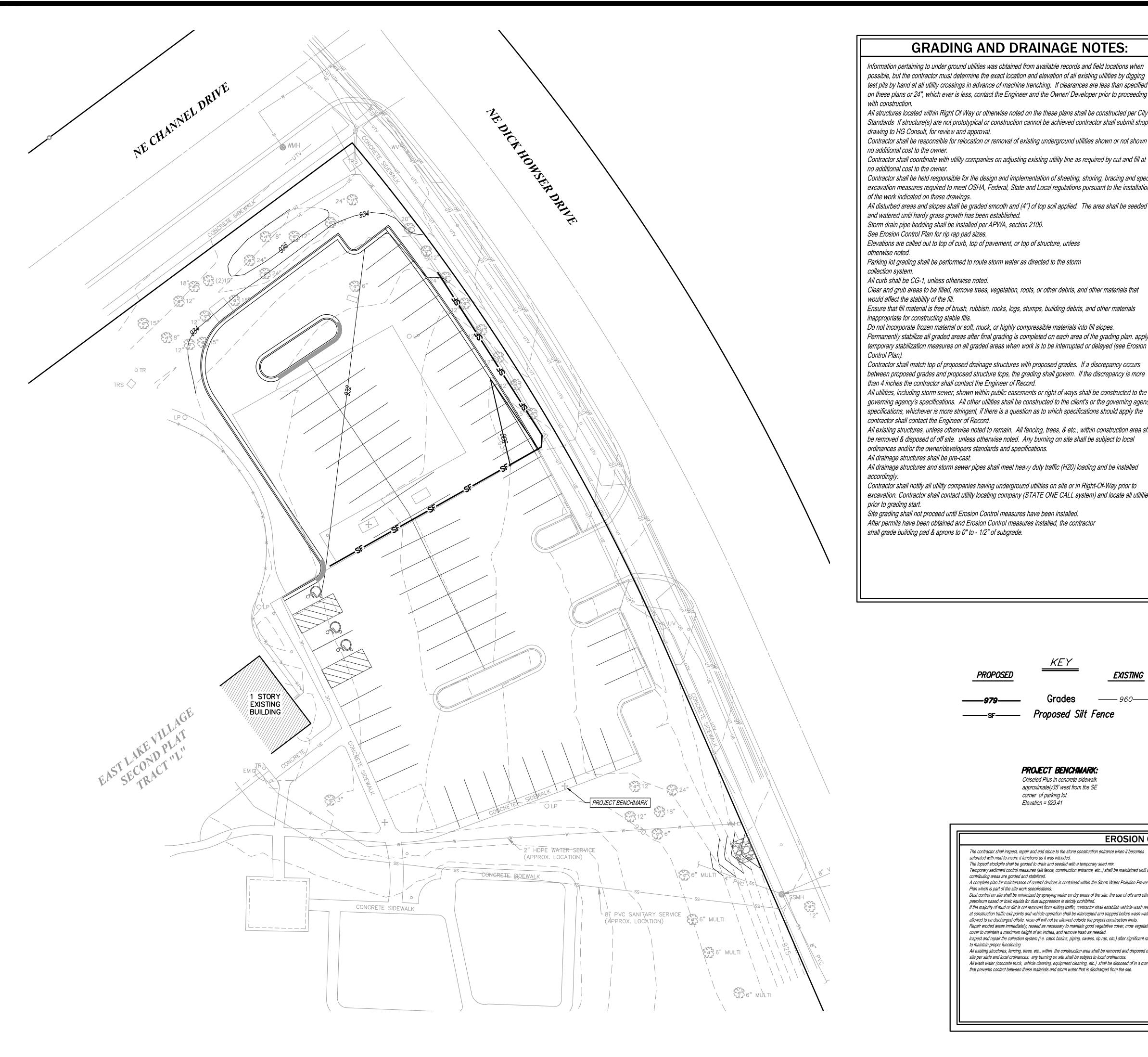


COVER SHEE

NE WOODS CHAPEL RD

VICINITY MAP

(NOT TO SCALE)



## **GRADING AND DRAINAGE NOTES:**

Information pertaining to under ground utilities was obtained from available records and field locations when possible, but the contractor must determine the exact location and elevation of all existing utilities by digging test pits by hand at all utility crossings in advance of machine trenching. If clearances are less than specified on these plans or 24", which ever is less, contact the Engineer and the Owner/ Developer prior to proceeding

All structures located within Right Of Way or otherwise noted on the these plans shall be constructed per City Standards If structure(s) are not prototypical or construction cannot be achieved contractor shall submit shop drawing to HG Consult, for review and approval.

Contractor shall be responsible for relocation or removal of existing underground utilities shown or not shown at no additional cost to the owner.

Contractor shall coordinate with utility companies on adjusting existing utility line as required by cut and fill at no additional cost to the owner.

Contractor shall be held responsible for the design and implementation of sheeting, shoring, bracing and special excavation measures required to meet OSHA, Federal, State and Local regulations pursuant to the installation of the work indicated on these drawings.

All disturbed areas and slopes shall be graded smooth and (4") of top soil applied. The area shall be seeded

and watered until hardy grass growth has been established. Storm drain pipe bedding shall be installed per APWA, section 2100.

See Erosion Control Plan for rip rap pad sizes.

Elevations are called out to top of curb, top of pavement, or top of structure, unless

Parking lot grading shall be performed to route storm water as directed to the storm collection system.

All curb shall be CG-1, unless otherwise noted.

Clear and grub areas to be filled, remove trees, vegetation, roots, or other debris, and other materials that would affect the stability of the fill.

Ensure that fill material is free of brush, rubbish, rocks, logs, stumps, building debris, and other materials inappropriate for constructing stable fills.

Do not incorporate frozen material or soft, muck, or highly compressible materials into fill slopes. Permanently stabilize all graded areas after final grading is completed on each area of the grading plan. apply temporary stabilization measures on all graded areas when work is to be interrupted or delayed (see Erosion

Contractor shall match top of proposed drainage structures with proposed grades. If a discrepancy occurs between proposed grades and proposed structure tops, the grading shall govern. If the discrepancy is more

than 4 inches the contractor shall contact the Engineer of Record. All utilities, including storm sewer, shown within public easements or right of ways shall be constructed to the governing agency's specifications. All other utilities shall be constructed to the client's or the governing agency's

contractor shall contact the Engineer of Record. All existing structures, unless otherwise noted to remain. All fencing, trees, & etc., within construction area shall be removed & disposed of off site. unless otherwise noted. Any burning on site shall be subject to local

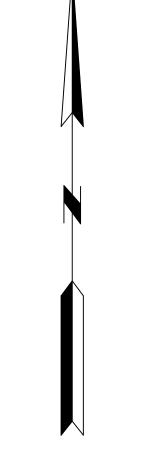
ordinances and/or the owner/developers standards and specifications.

All drainage structures shall be pre-cast.

All drainage structures and storm sewer pipes shall meet heavy duty traffic (H20) loading and be installed

Contractor shall notify all utility companies having underground utilities on site or in Right-Of-Way prior to excavation. Contractor shall contact utility locating company (STATE ONE CALL system) and locate all utilities

Site grading shall not proceed until Erosion Control measures have been installed. After permits have been obtained and Erosion Control measures installed, the contractor shall grade building pad & aprons to 0" to - 1/2" of subgrade.





SCALE IN FEET

Know what's below. Call before you dig.

#### PROJECT BENCHMARK:

Chiseled Plus in concrete sidewalk approximately35' west from the SE corner of parking lot. Elevation = 929.41

Proposed Silt Fence

#### **EROSION CONTROL GENERAL NOTES:**

The contractor shall inspect, repair and add stone to the stone construction entrance when it becomes saturated with mud to insure it functions as it was intended. The topsoil stockpile shall be graded to drain and seeded with a temporary seed mix. Temporary sediment control measures (silt fence, construction entrance, etc..) shall be maintained until all

contributing areas are graded and stabilized. A complete plan for maintenance of control devices is contained within the Storm Water Pollution Prevention Plan which is part of the site work specifications. Dust control on site shall be minimized by spraying water on dry areas of the site. the use of oils and other

petroleum based or toxic liquids for dust suppression is strictly prohibited.

If the majority of mud or dirt is not removed from exiting traffic, contractor shall establish vehicle wash areas at construction traffic exit points and vehicle operation shall be intercepted and trapped before wash water is allowed to be discharged offsite. rinse-off will not be allowed outside the project construction limits. Repair eroded areas immediately, reseed as necessary to maintain good vegetative cover, mow vegetative cover to maintain a maximum height of six inches, and remove trash as needed. Inspect and repair the collection system (i.e. catch basins, piping, swales, rip rap, etc.) after significant rainfall

to maintain proper functioning. All existing structures, fencing, trees, etc., within the construction area shall be removed and disposed of off site per state and local ordinances. any burning on site shall be subject to local ordinances. All wash water (concrete truck, vehicle cleaning, equipment cleaning, etc.) shall be disposed of in a manner that prevents contact between these materials and storm water that is discharged from the site.

All materials spilled, dropped, washed, or tracked from vehicles onto roadways or into storm drains must be Contractor shall remove all temporary erosion control devices/ditches and dispose of per local codes once the

Land disturbing activities shall not commence until approval to do so has been received by governing No land clearing or grading shall begin until all erosion control measures have been installed. All exposed areas shall be seeded as specified within 14 days of final grading.

After every significant runoff producing rainfall event of 1/2" or greater and at least once a week: A. Inspect the detention basin system for sediment accumulation, erosion, trash accumulation, vegetated cover, and general condition. B. Check and clear the outfall device of any obstructions. to prevent soil sediment from leaving the site. General Contractor shall comply with all State and Local ordinances that apply.

Additional erosion and sediment control measures will be installed if deemed necessary by on site inspection. If installation of storm drainage system should be interrupted by weather or nightfall, the pipe ends shall be

Additional erosion and siltation control methods and devices may be required as directed by the City or

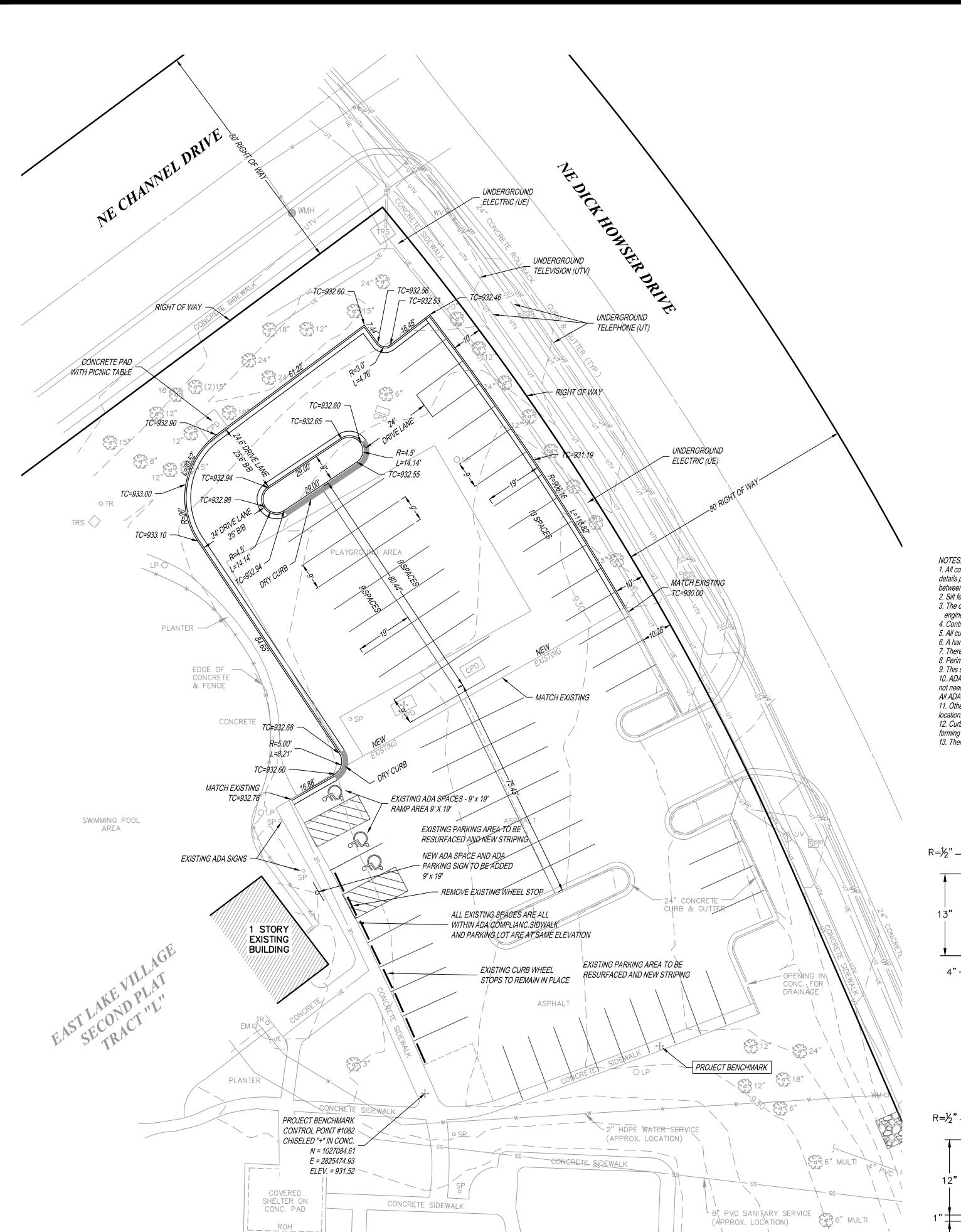
site has been stabilized. Contractor shall refer to the grading plan for final grades. Should construction stop for longer than 14 days, the site shall be seeded as specified.

This plan shall not be considered all inclusive as the general contractor shall take all necessary precautions General Contractor shall be responsible to take whatever means necessary to establish permanent soil

43106-Topo-2022-07-27 DRAWING NO. 22.026

**EROSION CONTROL** 

GRADING and

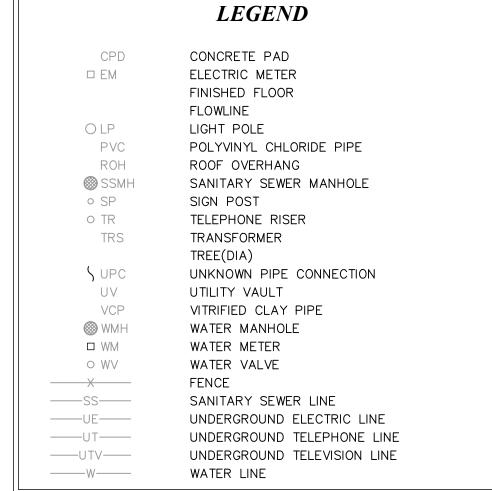


PLAY\GROUND AREA

CONC. PAD

\_ \_ \_ <u>\_ ROH\_ \_ \_</u>





SITE INFORMATION: Property Description: East Lake Village, Second Plat; Tract "L" Site Address: 4140 NE Channel Drive, LSMO 64064 Containing 305,523 SF (7.01 acres) Zoning: R1- Single Family Residental Impervious Coverage Added 11,413.39 SF Total parking spaces: 43 spaces Additional Parking Spaces Provided: 31 spaces ADA Spaces Required/Provided: 2/1 Standard Space Size: 9'x19' Anticipated Completion: Summer 2023

Watershed - Maybrook Tributary / Liitle Blue Tributary

SCALE IN FEET

1. All construction and materials to conform to the City of Lee's Summit Design and Construction Manual and the specifications and details per the Kansas City Metro Chapter APWA. It is advisable that the contractor become familiar with this document in the event that there is a discrepancy

between this and the approved plan and the Manual. Advise the design engineer of any discrepancy prior to bidding or working on this project.

2. Silt fence shall be installed at the perimeter of all disturbed areas within the site during construction for erosion control. 3. The contractor shall contact the City's Development Services Engineering Inspection to schedule a pre-construction meeting with a field

engineering inspector prior to any land disturbance work at (816)969-1200. 4. Contractor to locate and relocate any existing utilities that may conflict with construction as necessary.

5. All curb shall be CG-1 or integral with the sidewalk.

6. A handicap parking sign, 5' above finish grade, shall be placed at the head of the designated parking space.

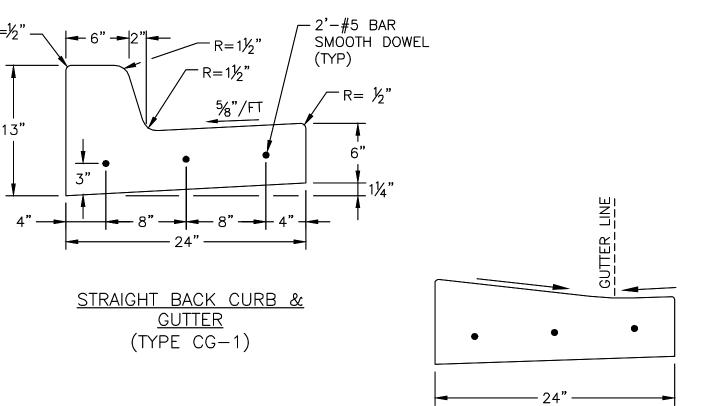
7. There shall be two way traffic movement. 8. Perimeter parking area dimensions shown are to the back of curb.

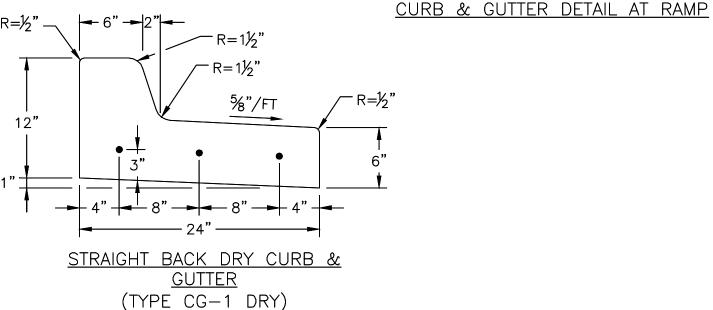
9. This site is not located within a FEMA National Flood Hazard - Zone X 29095C0430G (City of Lee's Summit 291074) Dated: 1/20/2017 10. ADA accessible ramp to have detectable surface on public handicap ramps only. Detectable surfaces do not need to be installed on the ramps at commercial drives. See KCAPWA web site for details.

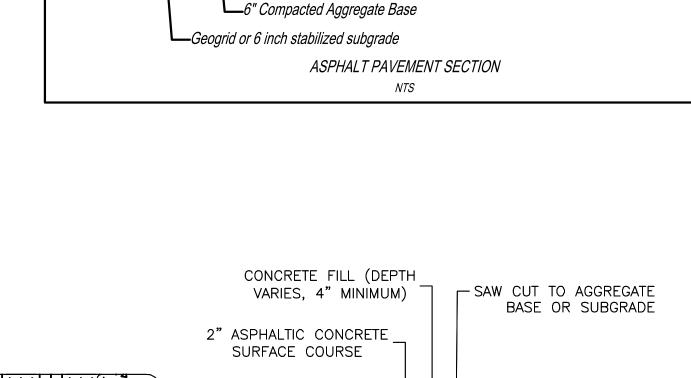
All ADA accessible ramps are designed within construction tolerances. 11. Other coordinates are pointed to or measured from the back of curb, back of wall or property corner

12. Curb to be installed at proposed drives by saw cutting a clean straight edge of existing asphalt and

forming curb to edge of gutter existing elevation. 13. There are no oil and gas wells located within this site, per the Missouri DNR GeoSTRAT Geological Survey Website re-verified on 01/25/2023



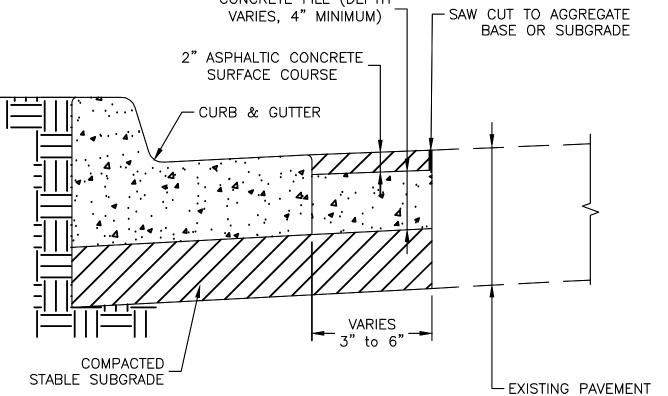




4 inch asphaltic concrete base (Type 5-01) overlaid

with a 1.5 inch asphaltic concrete surface (Type 5-01)

Must be capable of supporting 75,000 pounds for fire access



CURB REPLACEMENT DETAIL

#### **GENERAL NOTES**

- 1.  $\frac{3}{4}$ " ISOLATION JOINTS WITH 3 (2'-#5 BAR) SMOOTH DOWELS SHALL BE PLACED AT RADIUS POINTS AND AT 150' INTERVALS. THESE DOWEL BARS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES.
- 2. 3" DEEP CONTRACTION JOINTS SHALL BE INSTALLED AT APROXIMATELY 10' INTERVALS. THESE JOINTS SHALL PASS ACROSS THE ENTIRE CURB SECTION.
- 3. CONCRETE FILL SHALL HAVE UNIFORM AND SMOOTH FINISH
- 4. KCMMB 4K CONCRETE SHALL BE USED FOR ALL CURB.
- 5. ASPHALTIC CONCRETE SURFACE COURSE SHALL CONFORM TO STANDARD SPECIFICATIONS SECTION 2205.2.
- 6. CURBS FOR NEW STREETS SHALL BE BUILT ON ASPHALT OR AGGREGATE BASE AS SHOWN IN TYPICAL SECTION DETAIL.
- 7. WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.

	Thursday water	DATE	REVISION
	P	2/06/2023	Revisions per City comment letter dated 1-
	Kinn	2/21/2023	Revisions per City comment letter dated 2-
-	/ 5/2	5/12/2023	Added PaveDrain Detentionin Parking Exp
3	3/2	5/23/2023	Added Note on Detention Plan to confirm P
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	R. KEVIN STERRĖTT, KS E-21889	UNAUTHORIZEI	JNAUTHORIZED ALTERATIONS. THE CERTIFICATION
05467	September 8, 2022 MO E-26440		
	3cptclibel 9, 2022 110 E 20110		

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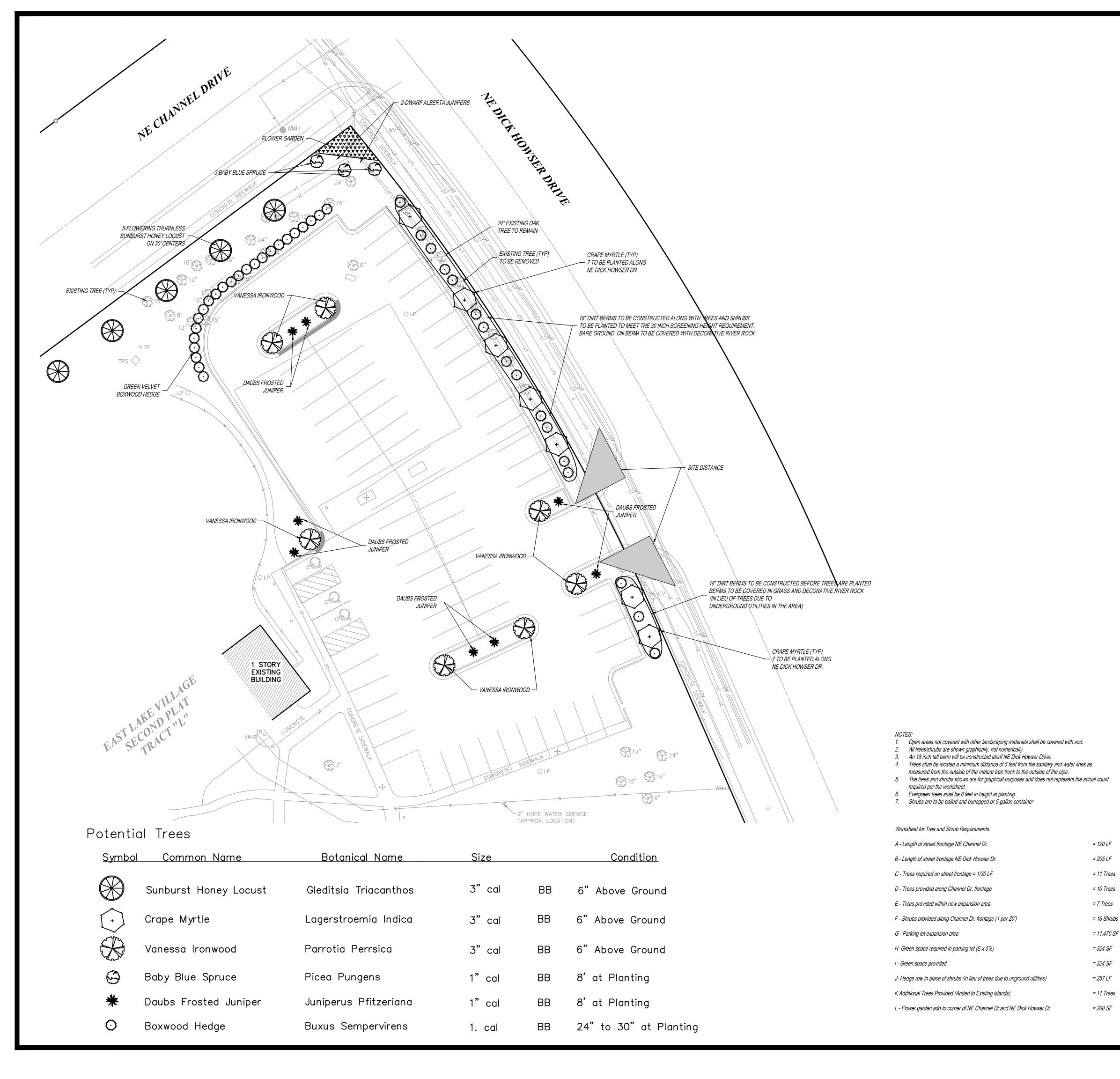
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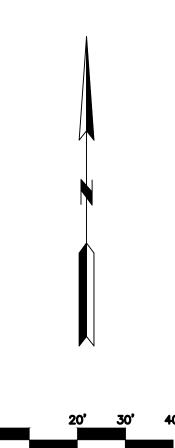
DIMENSION

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43106-Topo-2022-07-27 DRAWING NO. 22-026b September 7, 2022 22.026

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SCALE IN FEET

Know what's below. Call before you dig.

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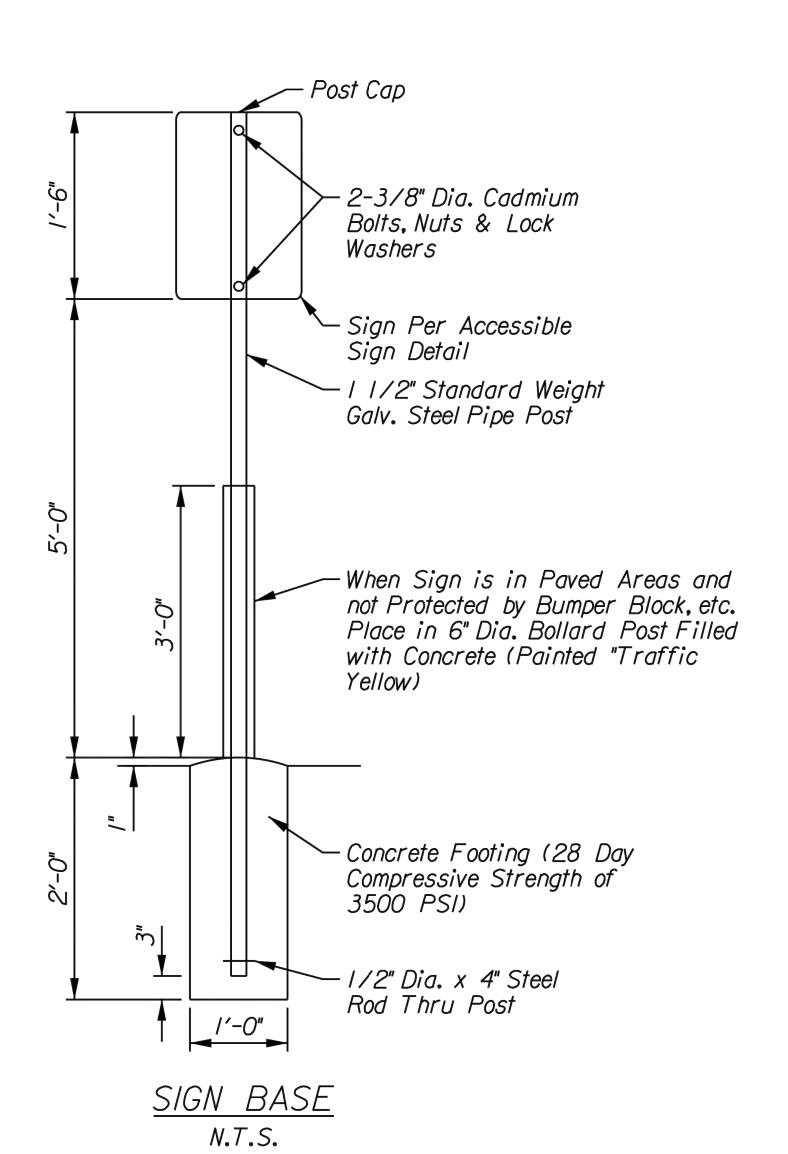
**OWNERS** 

HOME

AKEWOOD

LANDSCAPE PLAN







Colors Legend and Border – Green White Symbol on Blue Background Background – White (R7-8)

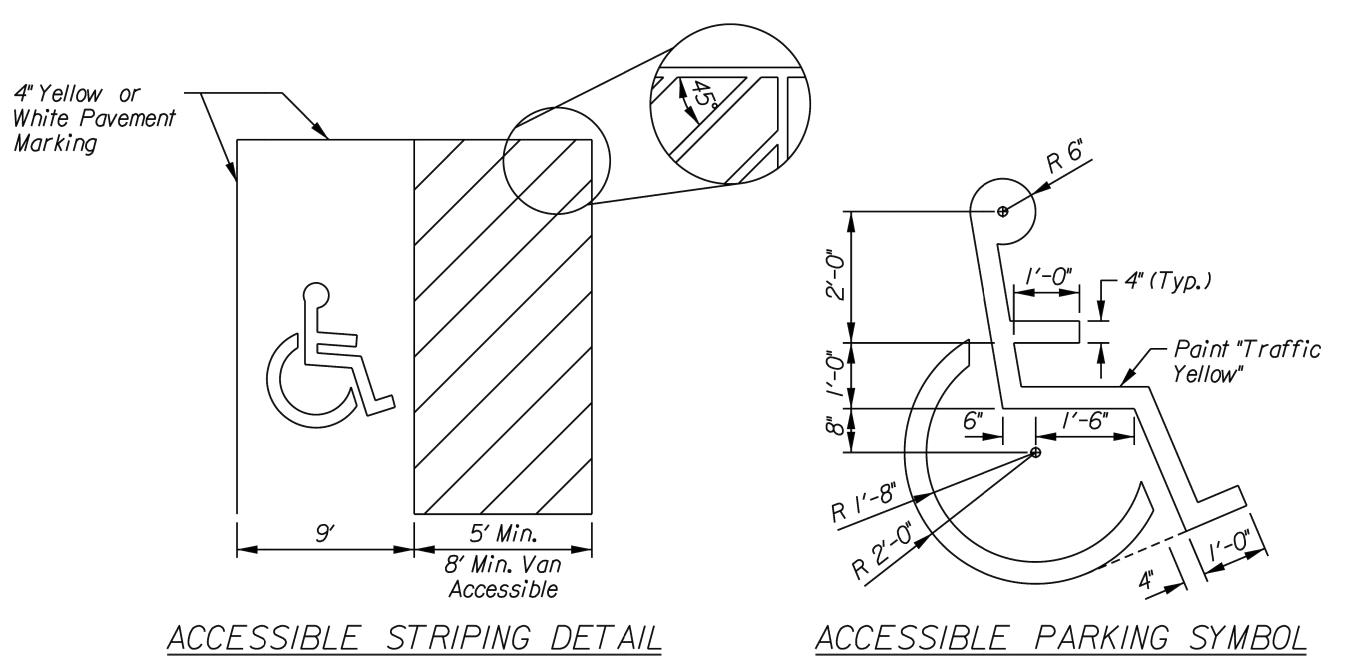


6"x12" ACCESSIBLE SIGN DETAIL N.T.S.

N.T.S.

I. All signs should comply with U.S. Department of Transportation Federal Highway Administration's "Uniform Traffic Control Devices", and local codes as specified. Mount signs in accordance with manufacturer's

instructions.



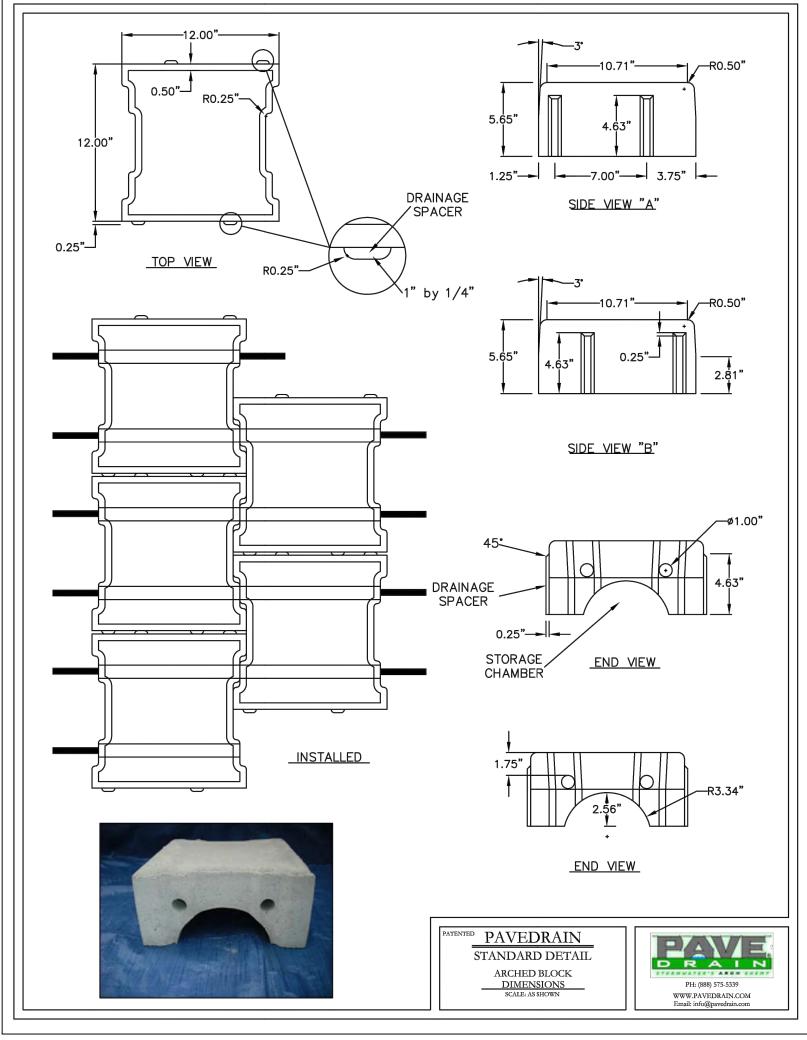
*N.T.S.* NOTE: Symbol to be centered in parking space and oriented as illustrated on plans. 43106-Topo-2022-07-27 DRAWING NO. 22-026b September 7, 2022 22.026 SHEET OF

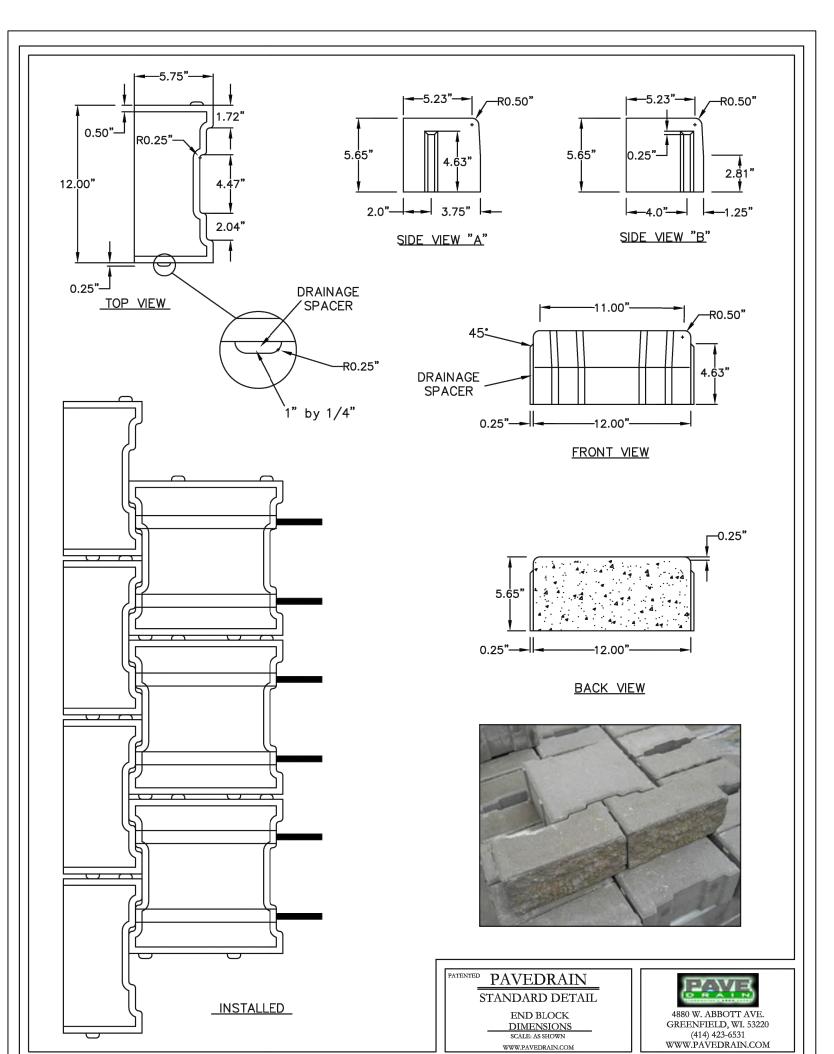
**OWNERS** 

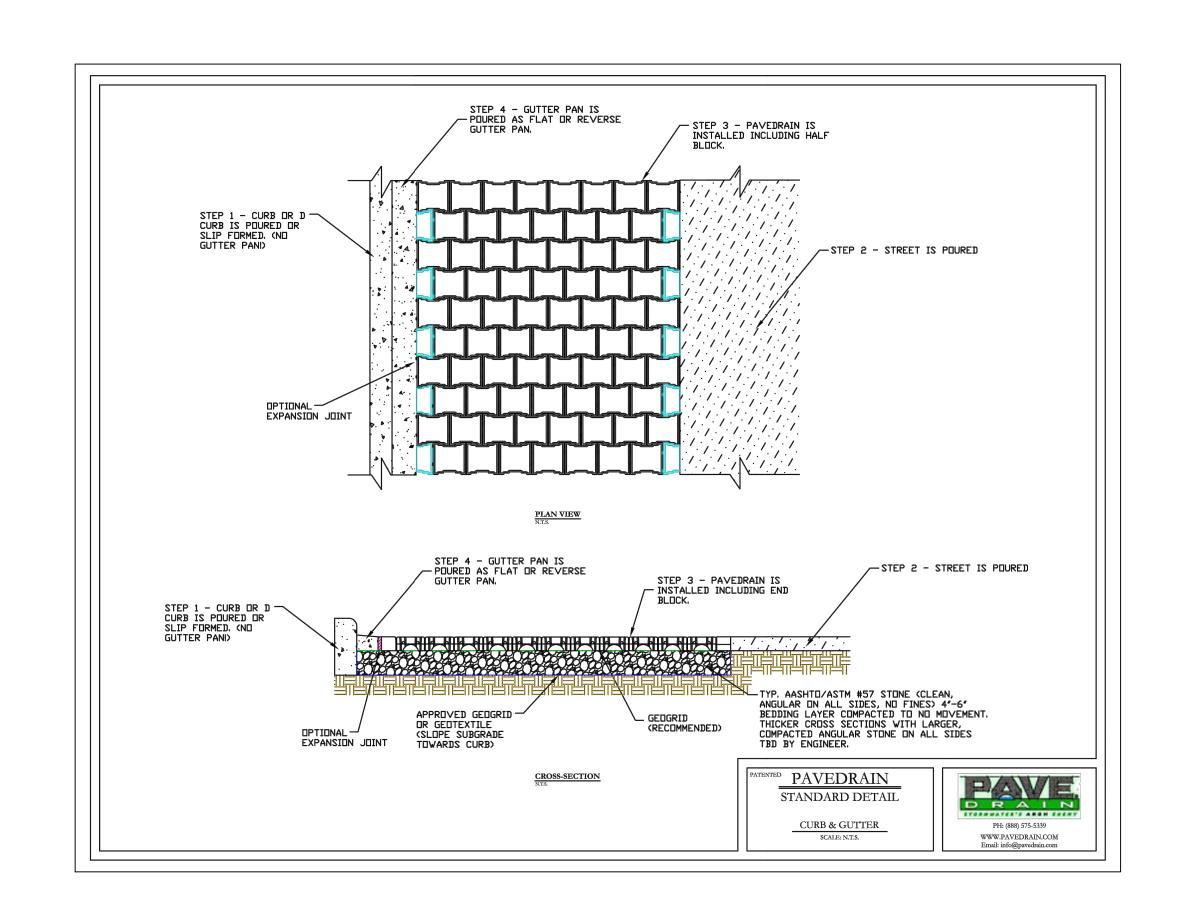
AKEWOOD HOME

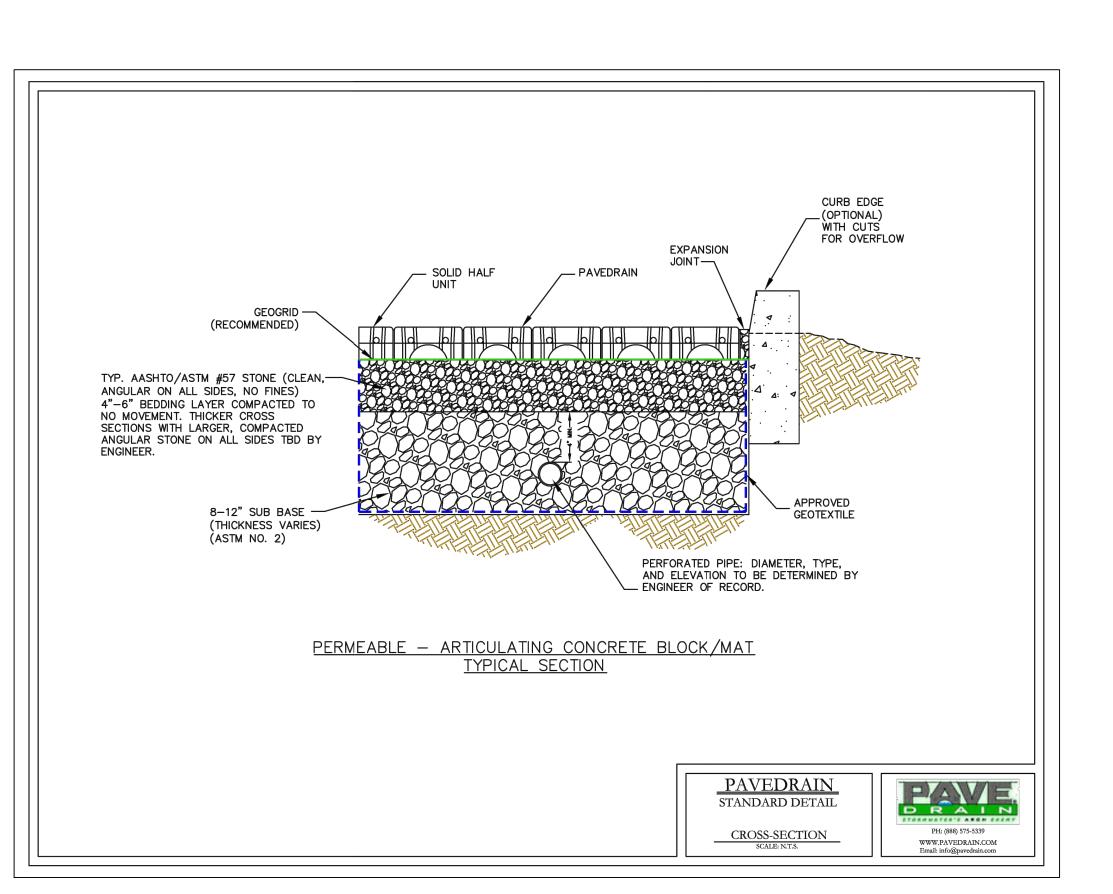
ADA DETAILS SHEET













LAKEWOOD POOL PARKING LOT ADDITION	LAKEWOOD HOME OWNERS ASSOC.	LEE'S SUMMIT - JACKSON COUNTY - MISSOURI
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CONCEPT PLAN

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