## FINAL DEVELOPMENT PLANS THE LEARNING EXPERIENCE ARBOR WALK WEST

LEE'S SUMMIT, MO

UTILITIES Electric Service Evergy Ron DeJarnette 816-347-4316 ron.dejarnette@evergy.com

Gas Service **Bobbe Saulsberry** 816-591-6909 bobbie.saulsberry@sprieenergy.com

Water/Sanitary Sewer Water Utilities Department 1200 SE Hamblen Road Lee's Summit, Mo 64081 Jeff Thorn 816-969-1900 jeff.thorn@cityofls.net

**Communication Service** AT&T Carrie Cilke 816-703-4386 cc3527@att.com

Time Warner Cable Steve Baxter 913-643-1928 steve.baxter@charter.com

Comcast Ryan Alkire 816-795-2218 rvan.alkire@cable.comcast.com

Google Fiber **Becky Davis** 913-725-8745 rebeccadavis@google.com



#### **UTILITY STATEMENT:**

THE UNDERGROUND UTILITIES SHOWN HEREON ARE FROM FIELD SURVEY INFORMATION OF ONE-CALL LOCATED UTILITIES, FIELD SURVEY INFORMATION OF ABOVE GROUND OBSERVABLE EVIDENCE. AND/OR THE SCALING AND PLOTTING OF EXISTING UTILITY MAPS AND DRAWINGS AVAILABLE TO THE SURVEYOR AT THE TIME OF SURVEY. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHERMORE, THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES BY EXCAVATION UNLESS OTHERWISE NOTED ON THIS SURVEY.

SAFETY NOTICE TO CONTRACTOR

IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICE, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

#### WARRANTY/DISCLAIMER

THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENEDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER SM ENGINEERING NOR ITS PERSONNEL CAN OR DO WARRANTY THESE DESIGNS OR PLANS AS CONSTRUCTED, EXCEPT IN THE SPECIFIC CASES WHERE SM ENGINEERING PERSONNEL INSPECT AND CONTROL THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.

#### CAUTION- NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY CONSTRUCTION.

**DESCRIPTION** LOT 3 PROPOSED ARBORWALK WEST ADDITION

#### FLOODPLAIN NOTE:

SUBJECT PROPERTY IS SHOWN TO BE LOCATED IN "OTHER AREAS ZONE X" ON THE FLOOD INSURANCE RATE MAP FOR JACKSON COUNTY, MISSOURI AND INCORPORATED AREAS. COMMUNITY PANEL NO. 29095C0531G, REVISED JANUARY 20, 2017. "OTHER AREAS ZONE X" IS DEFINED AS "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUL CHANCE FLOODPLAIN". LOCATION DETERMINED BY A SCALED GRAPHICAL PLOT OF THE FLOOD INSURANCE RATE MAP.

> THERE ARE NO GAS/OIL WELLS ON SITE PER MDNR DATA BASE OF OIL AND GAS PERMITS.

#### **INDEX OF SHEETS**

- C-1 COVER SHEET
- C-2 EXISTING CONDITIONS C-3 EXISTING CONDITIONS
- C-4 OVERALL SITE PLAN
- C-5 UTILITY PLAN
- C-6 GRADING PLAN
- C-7 STORM LINE C PLAN AND PROFILE C-7.1 STORM LINE A PLAN AND PROFILE
- C-8 DRAINAGE PLAN
- C-9 EROSION CONTROL
- C-10 EROSION DETAILS
- C-11 DETAILS C-12 DETAILS
- C-13 DETAILS
- C-14 LANDSCAPE PLAN
- C-15 FIRE TRUCK MOVEMENTS
- C-16 PHOTOMETRIC PLAN

#### **DEVELOPER**

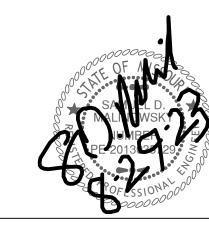
CHRISTIE DEVELOPMENT ASSOCIATES LLC 7217 W 110TH STREET OVERLAND PARK, KS 66210 CONTACT: GARRETT FUGATE PHONE: 913.649.4500 EMAIL: GARRET@CHRISTIEDEV.COM

#### **ENGINEER**

**SM ENGINEERING** SAM MALINOWSKY 1310 WESTLOOP PL SUITE #315 MANHATTAN KANSAS, 66502 SMCIVILENGR@GMAIL.COM 785.341.9747

#### **SURVEYOR**

SCHMIDT, BECK & BOYD ENGINEERING, LLC 1415 SW TOPEKA BOULEVARD TOPEKA, KANSAS 66612 PH: (785) 215-8630 / WWW.SBBENG.COM



SAMUEL D. MALINOWSKY PROFESSIONAL ENGINEEER

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**SM** Engineering

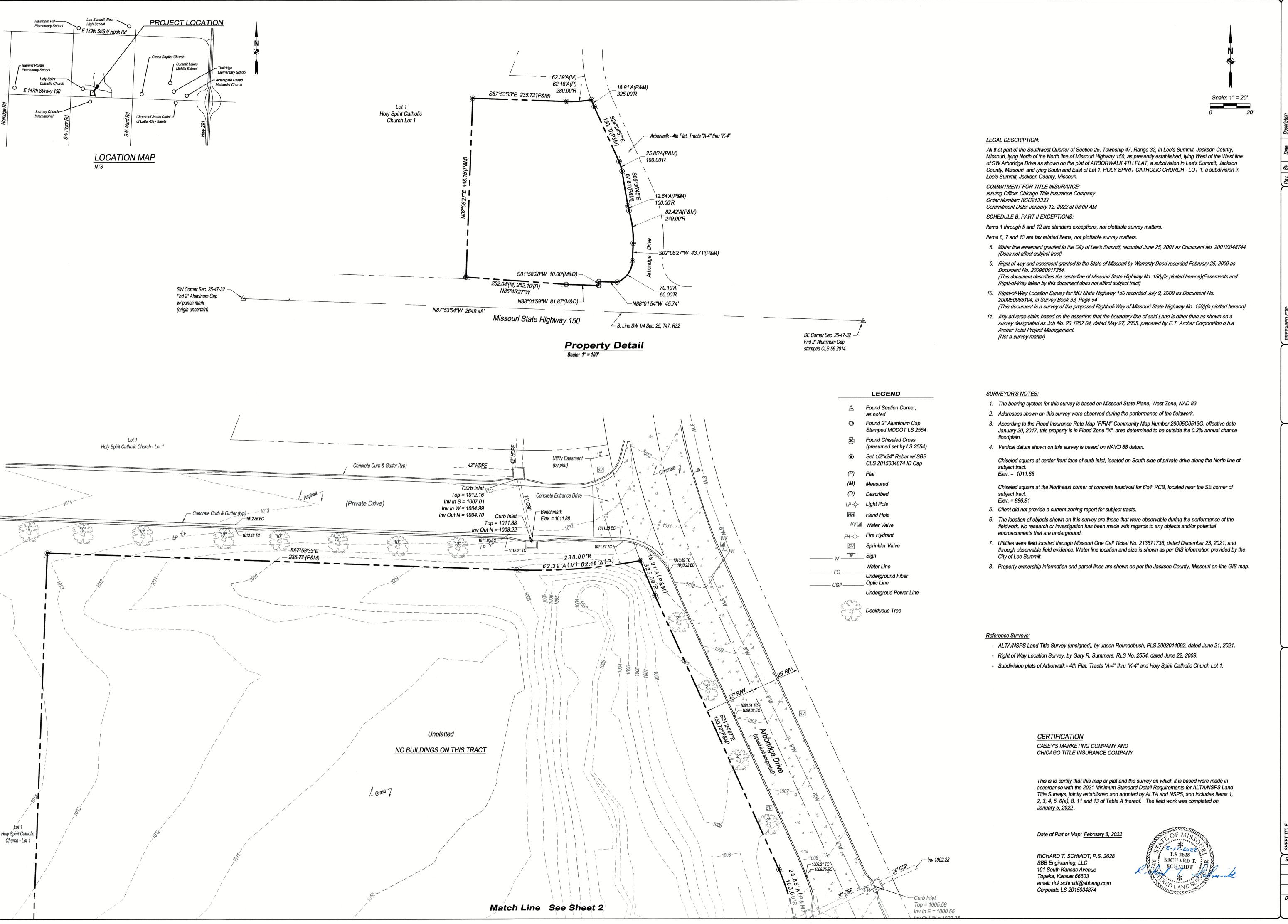
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sheet

**COVER SHEET** permit 19 JULY 2023



Key. Dy Date Description

Casey's Marketing Company One SE Convenience Boulevard Ankeny, Iowa 50021

SBB Engineering, LLC transportation site development surveying 101 South Kansas Avenue Topeka, Kansas 66603

SBB 101 ENGINEERING PI: (785) 2

LAND TITLE SURVEY

Northwest Corner Of And Arboridge

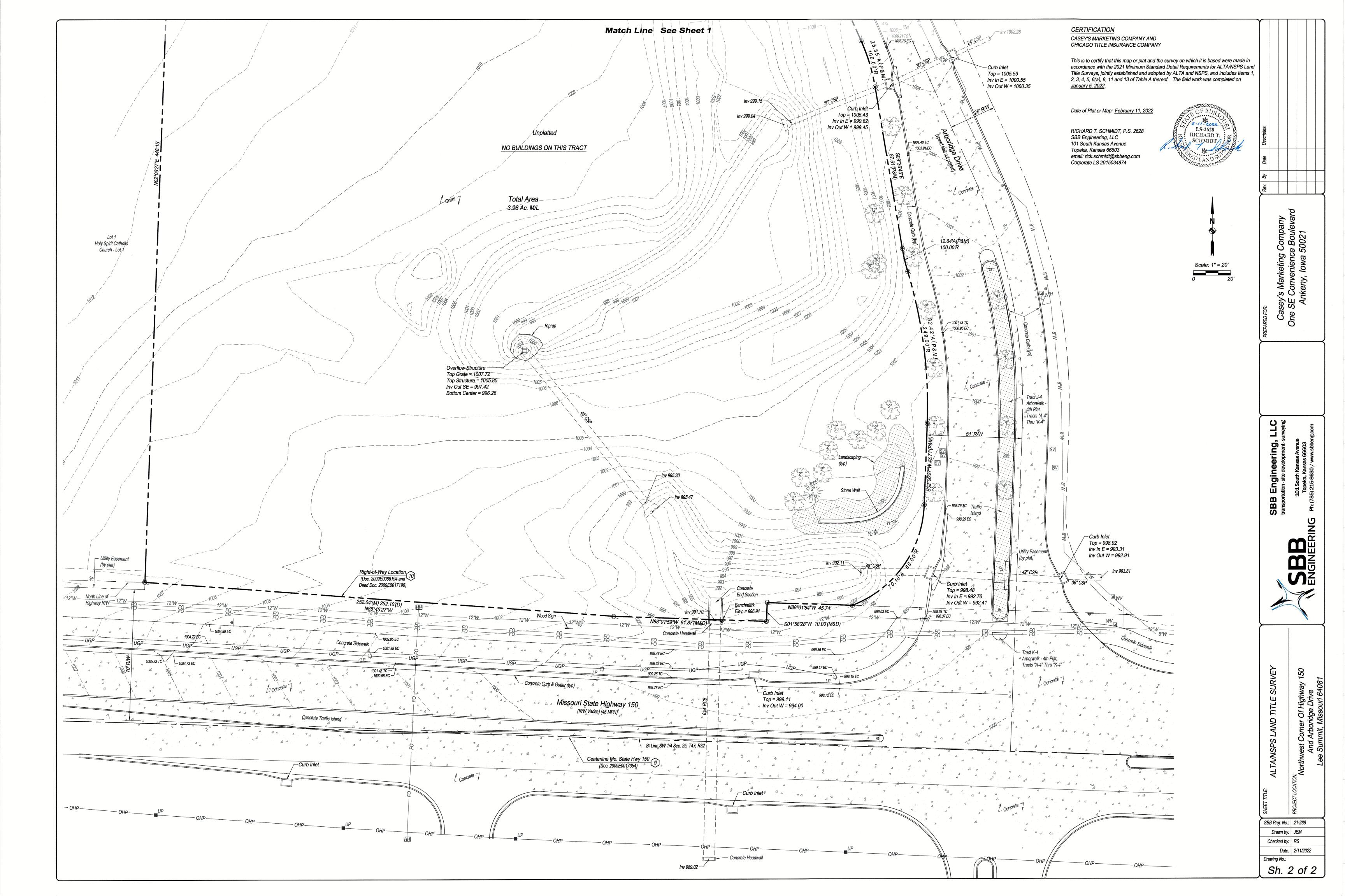
SBB Proj. No.: 21-288
Drawn by: JEM

Drawn by: JEM

Checked by: RS

Date: 2/11/2022

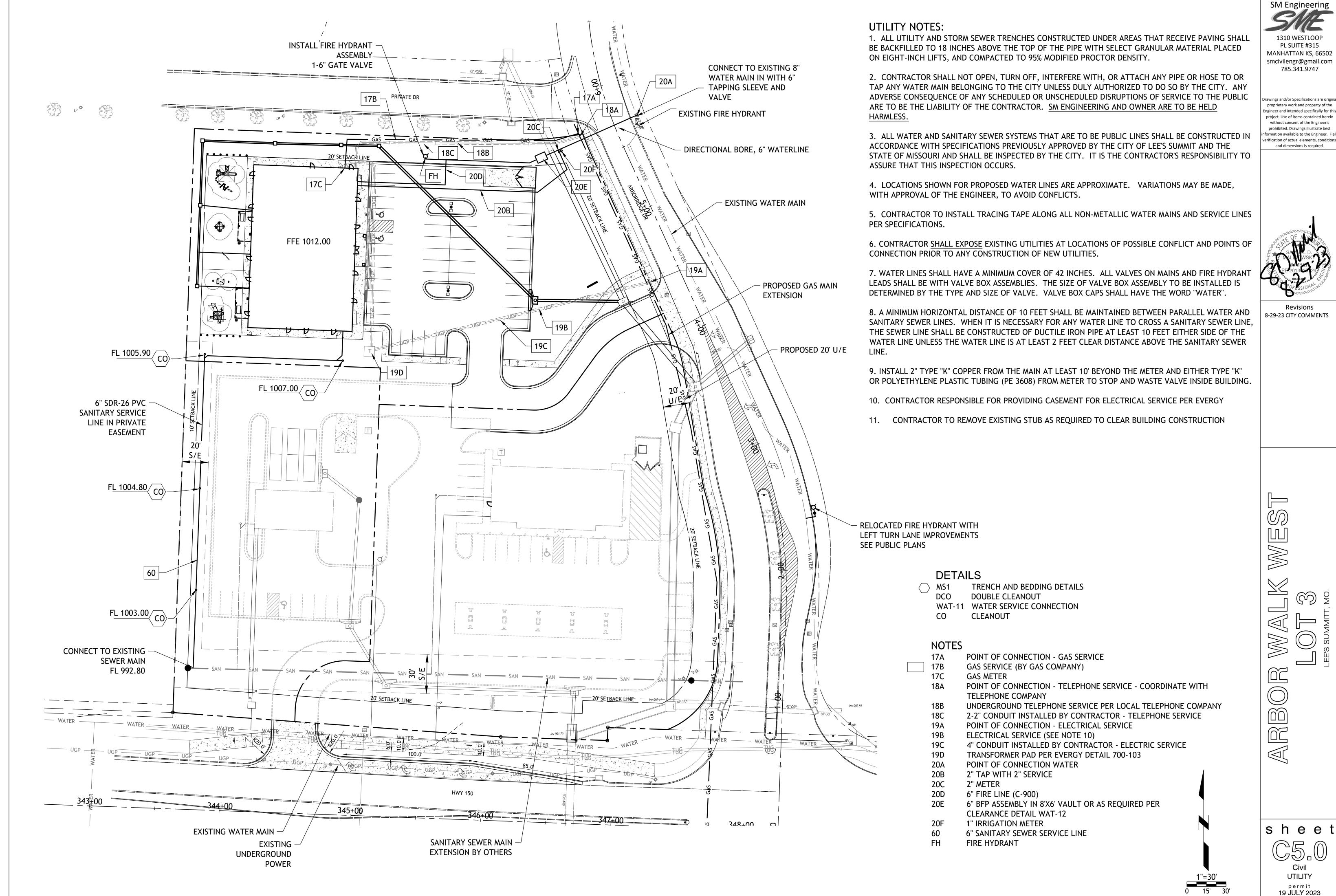
Sh. 1 of 2



EXISTING/PROPOSED LOT AREA LOT AREA BLDG AREASE NOF PARKING ADA SPACES ADA SPACES PRIKLOT TOTAL INPERVIOUS OPEN SPACE (COVERAGE COVERAGE C	CONSTRUCTION NOTES:  1. COORDINATE START-UP AND ALL CONSTRUCTION ACTIVITIES WITH OWNER.  2. CONSTRUCTION METHODS AND MATERIALS NOT SPECIFIED IN THESE PLANS ARE TO MEET OR EXCEED THE STANDARD SPECIFICATIONS.  3. ALL CONSTRUCTION WORK AND UTILITY WORK OUTSIDE OF PROPERTY BOUNDARIES SHALL BE PERFORMED IN COOPERATION WITH AND IN ACCORDANCE WITH REGULATIONS OF THE AUTHORITIES CONCERNED.  4. PUBLIC CONVENIENCE AND SAFETY: THE CONTRACTOR SHALL CONDUCT THE WORK IN A MANNER THAT WILL INSURE, AS FAR AS PRACTICABLE, THE LEAST OBSTRUCTION TO TRAFFIC, AND SHALL PROVIDE FOR TI-1E CONVENIENCE AND SAFETY OF THE GENERAL PUBLIC AND RESIDENTS ALONG AND ADJACENT TO STREETS IN THE CONSTRUCTION AREA.  5. ALL DIMENSIONS SHOWN ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.  6. ACCESSIBLE STALLS SHOWN WITH A "VAN" SHALL BE 16'-0" MIN. AND SHALL HAVE A SIGN DESIGNATING "VAN-ACCESSIBLE". SEE DETAIL102.  NOTE:  1. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRANCE. SLOPED PAVING, EXIT PORCHES AND RAMPS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.  2. THESE PLANS HAVE NOT BEEN VERIFIED WITH FINAL ARCHITECTURAL CONTRACT DRAWINGS. CONTRACTOR SHALL VERIFY AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. CONTRACTOR IS	SM Engineering  1310 WESTLOOP PL SUITE #315 MANHATTAN KS, 66502 smcivilengr@gmail.com 785.341.9747  Drawings and/or Specifications are origin proprietary work and property of the Engineer and intended specifically for th project. Use of items contained herein without consent of the Engineer is prohibited. Drawings illustrate best information available to the Engineer. Fiverification of actual elements, condition and dimensions is required.  Revisions 8-29-23 CITY COMMENTS
BOLLARDS 5' O. C.  4' PVC FENCE (SEE ARCHITECTS PLANS)  50 S/E  LINE IN PRIVATE EASEAMENT  FUTURE DEVELOPMENT  FUTURE DEVELOPMENT	FULLY RESPONSIBLE FOR REVIEW AND COORDINATION OF ALL DRAWINGS AND CONTRACTOR DOCUMENTS.  3. ALL DIMENSIONS ARE PERPENDICULAR TO PROPERTY LINE.  4. ACTUAL SIGN LOCATIONS TO BE COORDINATED WITH CONSTRUCTION MANAGER.  5. LIGHT POLE IS 23' TALL FOR A 27' MOUNTING HEIGHT  SEE DETAIL SHEET FOR THE FOLLOWING DETAILS: PK-1 96" ACCESSIBLE & VAN ACCESSIBLE SPACE STRIPING PK-2 ACCESSIBLE SIGN SG-1 BOLLARD DETAIL CG-1 TYPE B CURB AND GUTTER CW1 CURB WALK AT BUILDING PV1 REGULAR DUTY PAVEMENT	
TER WATER WA	PV2 HEAVY DUTY ASPHALT PAVEMENT PV3 HEAVY DUTY CONCRETE PAVEMENT CW2 SIDEWALK PB PARKING BLOCK RC RIBBON CURB 700 LIGHT POLE ADA HANDICAP RAMP  NOTES: 8A DOOR (SEE ARCH. PLANS) 12K YELLOW PARKING LOT STRIPING (SHERWIN-WILLIAMS TM 2160 LEAD FREE OR APPROVED EQUAL) 12N 4" YELLOW STRIPES 3'-0" O.C.  NOTE: DEVELOPMENT ON LOTS 1 & 2 ARE SHOWN FOR INFORMATION ONLY AND ARE NOT A PART OF THIS PLAN.	ARBOR WALL
UGP	1"=30'	shee Civil SITE PLAN

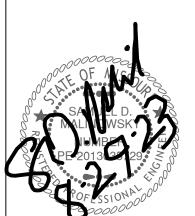


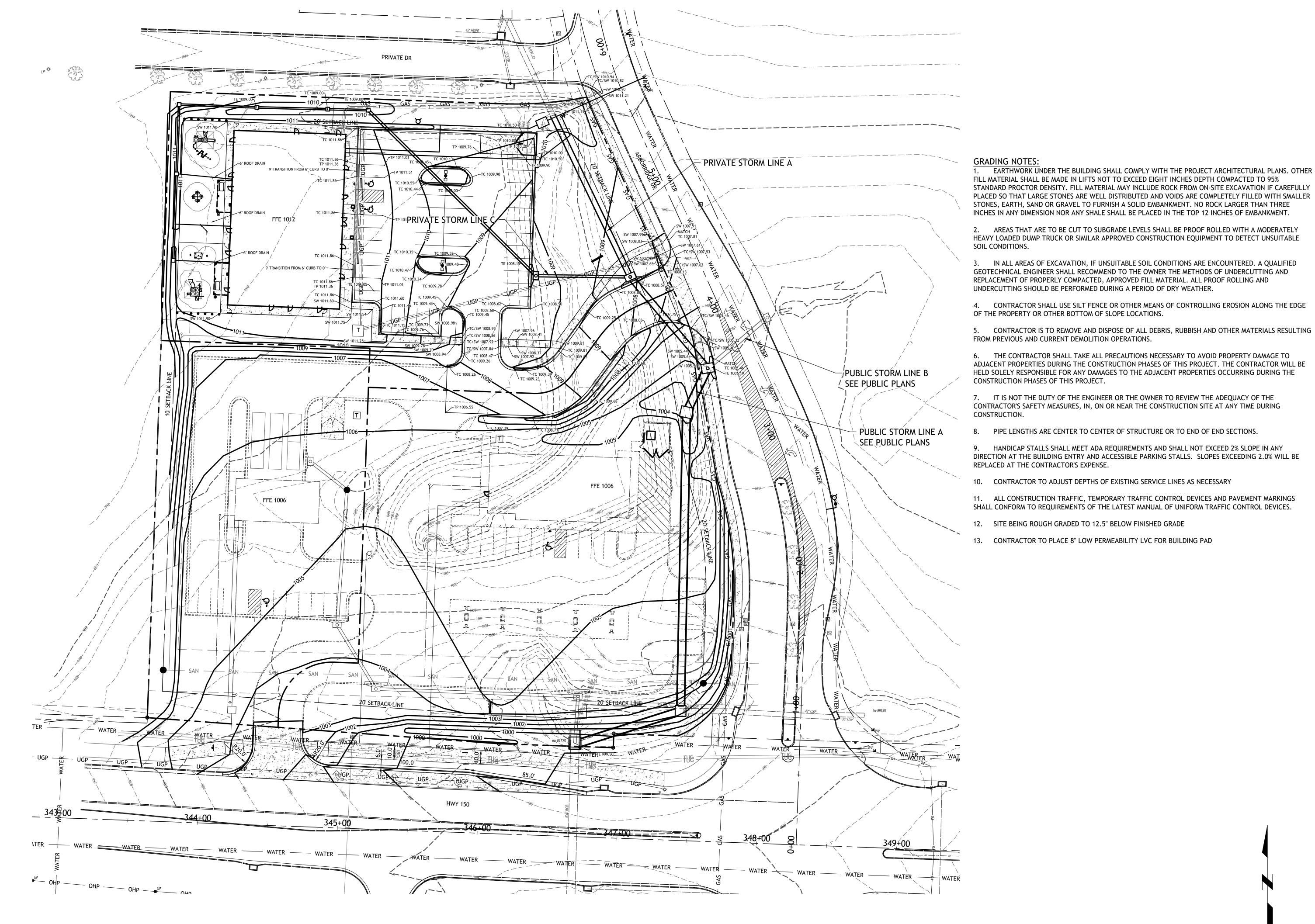
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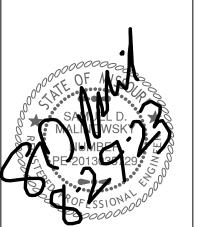
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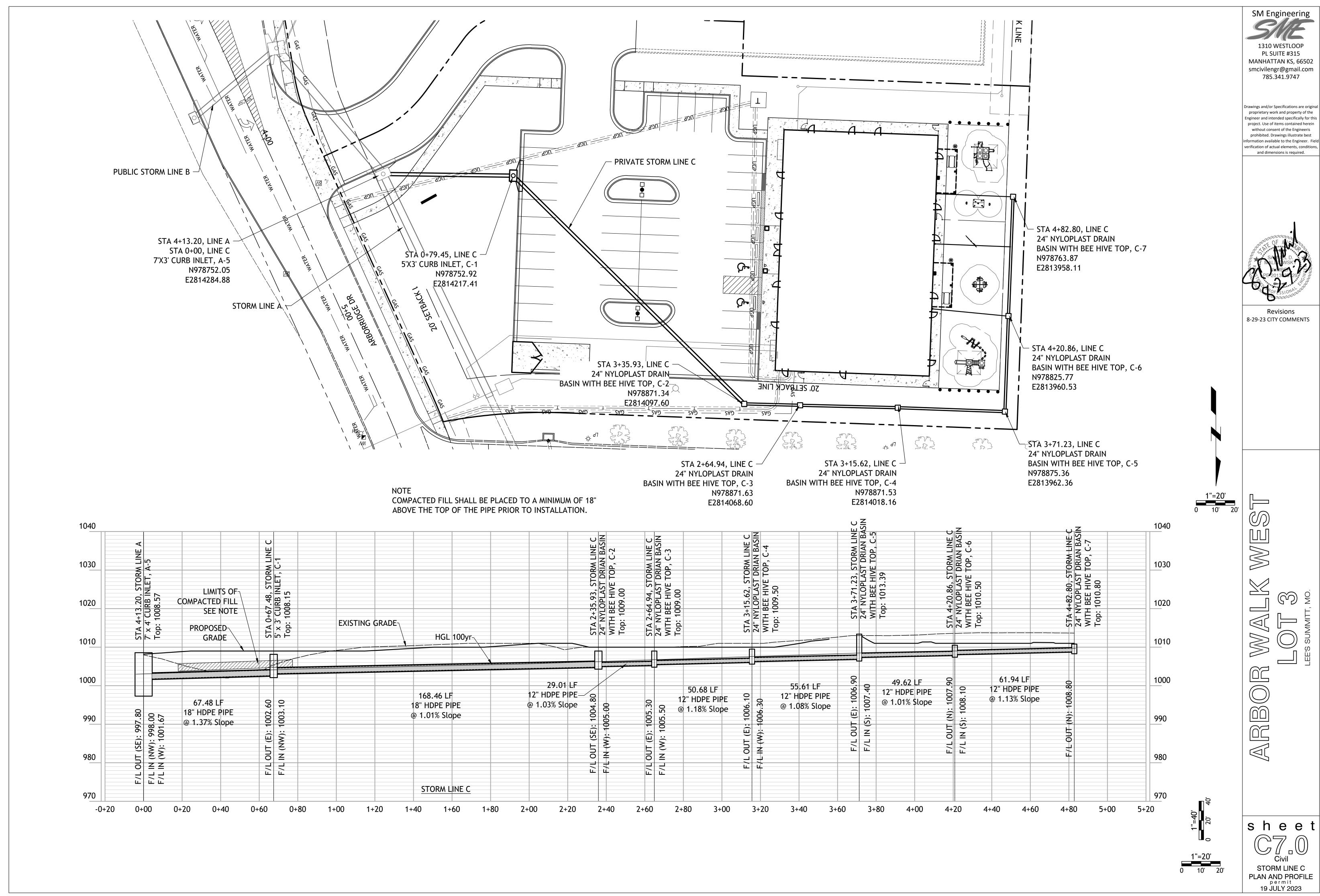
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8-29-23 CITY COMMENTS

SHALL CONFORM TO REQUIREMENTS OF THE LATEST MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

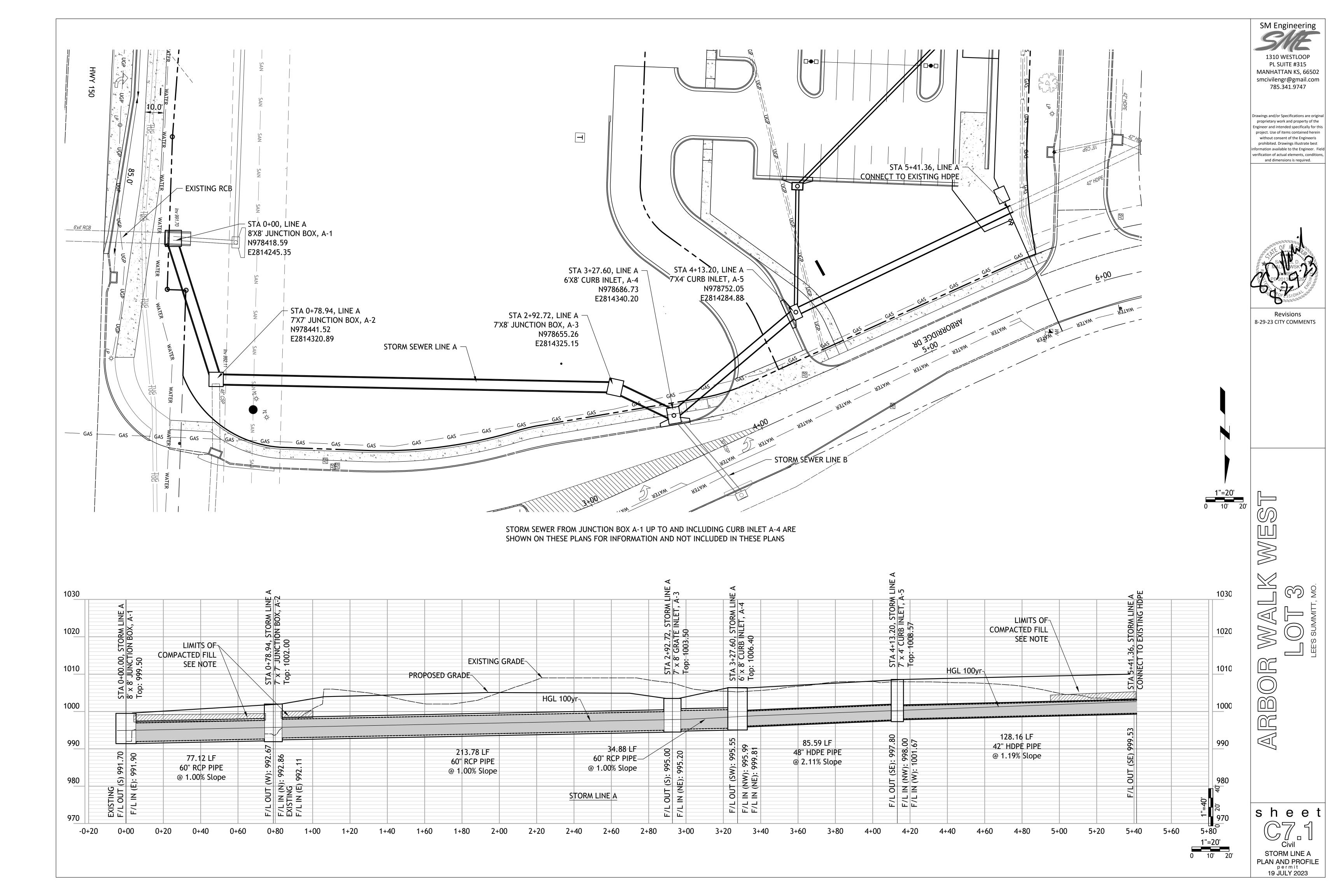
12. SITE BEING ROUGH GRADED TO 12.5" BELOW FINISHED GRADE

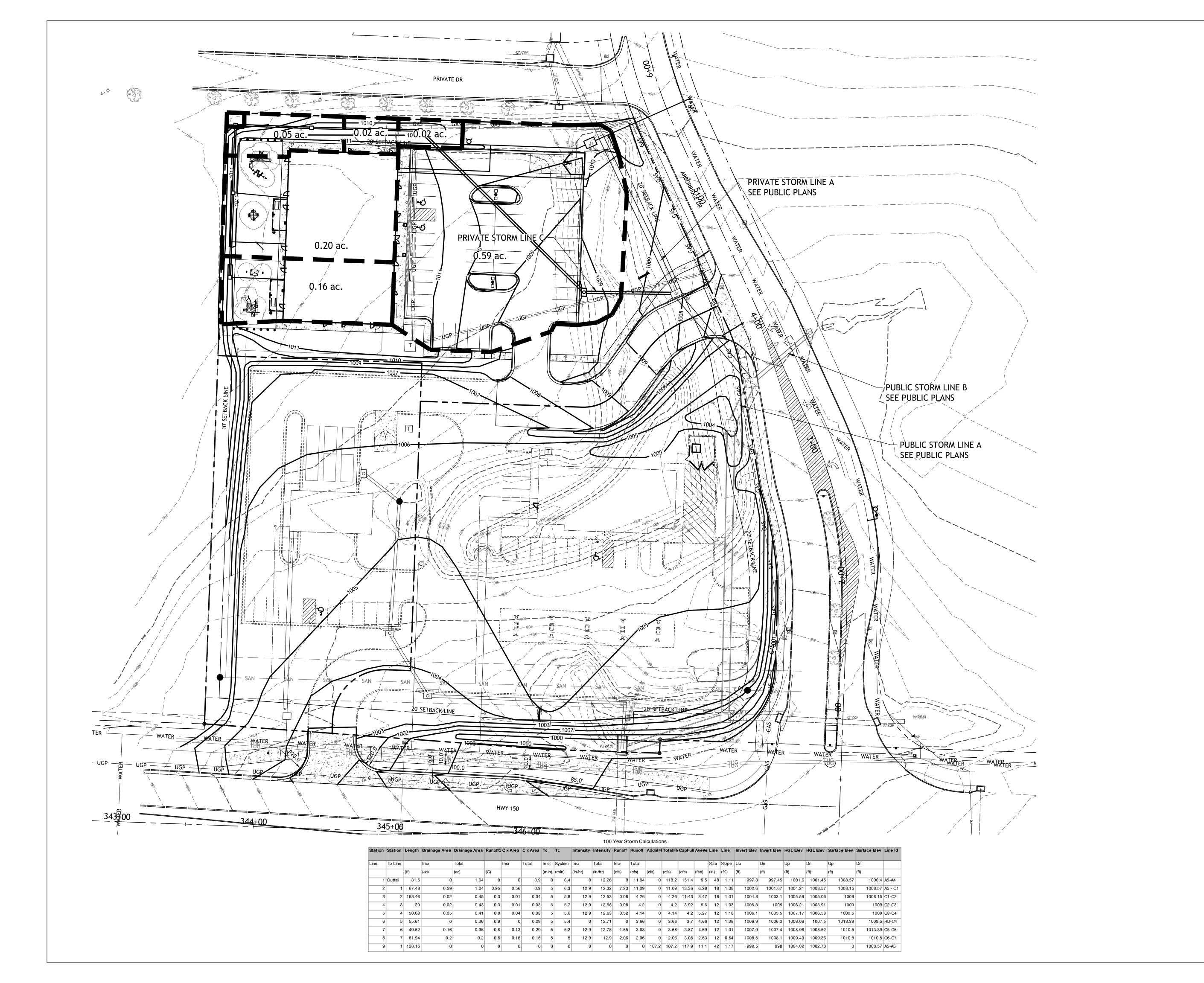
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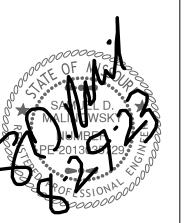




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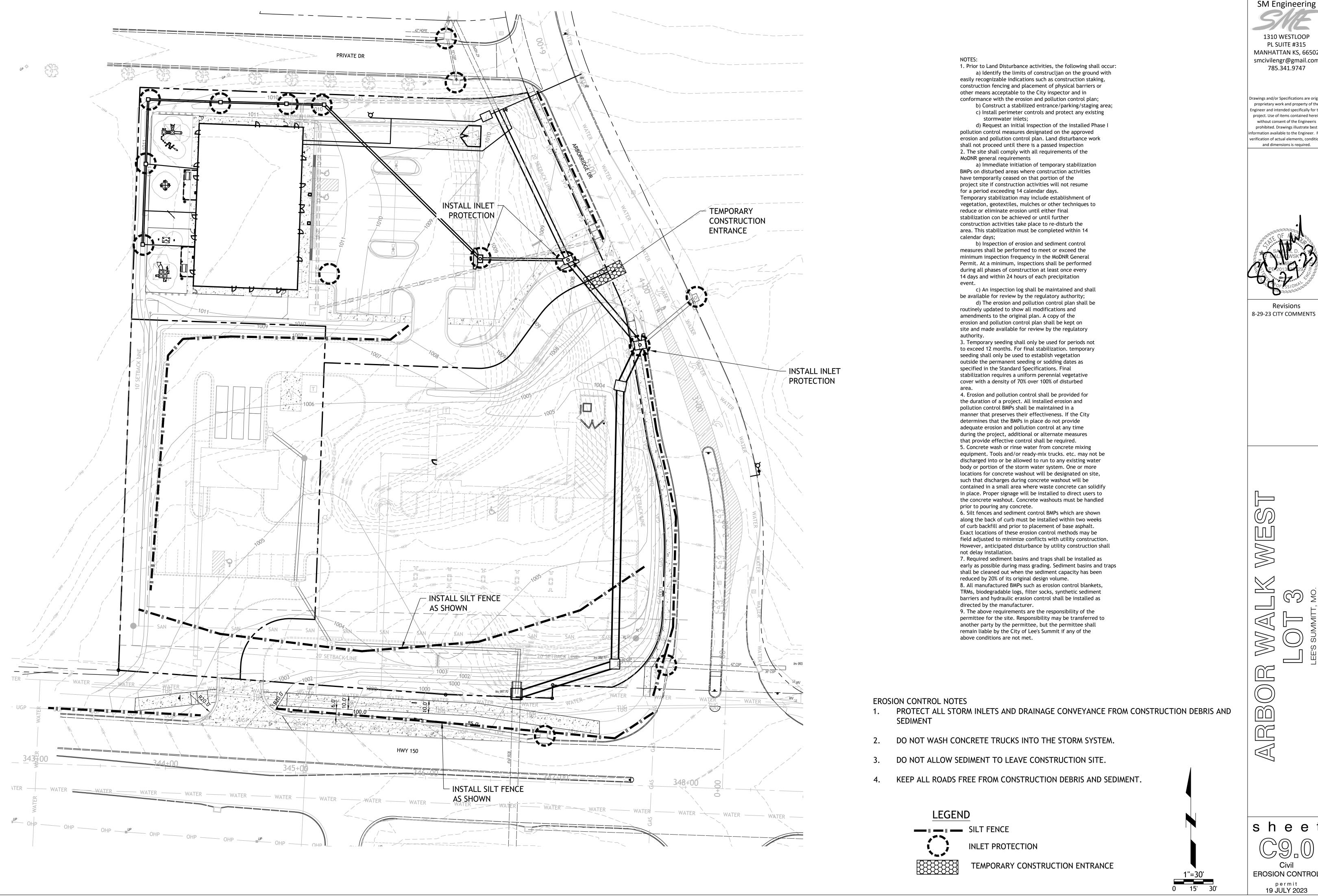


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ARBOR WALK WEST LOT 3

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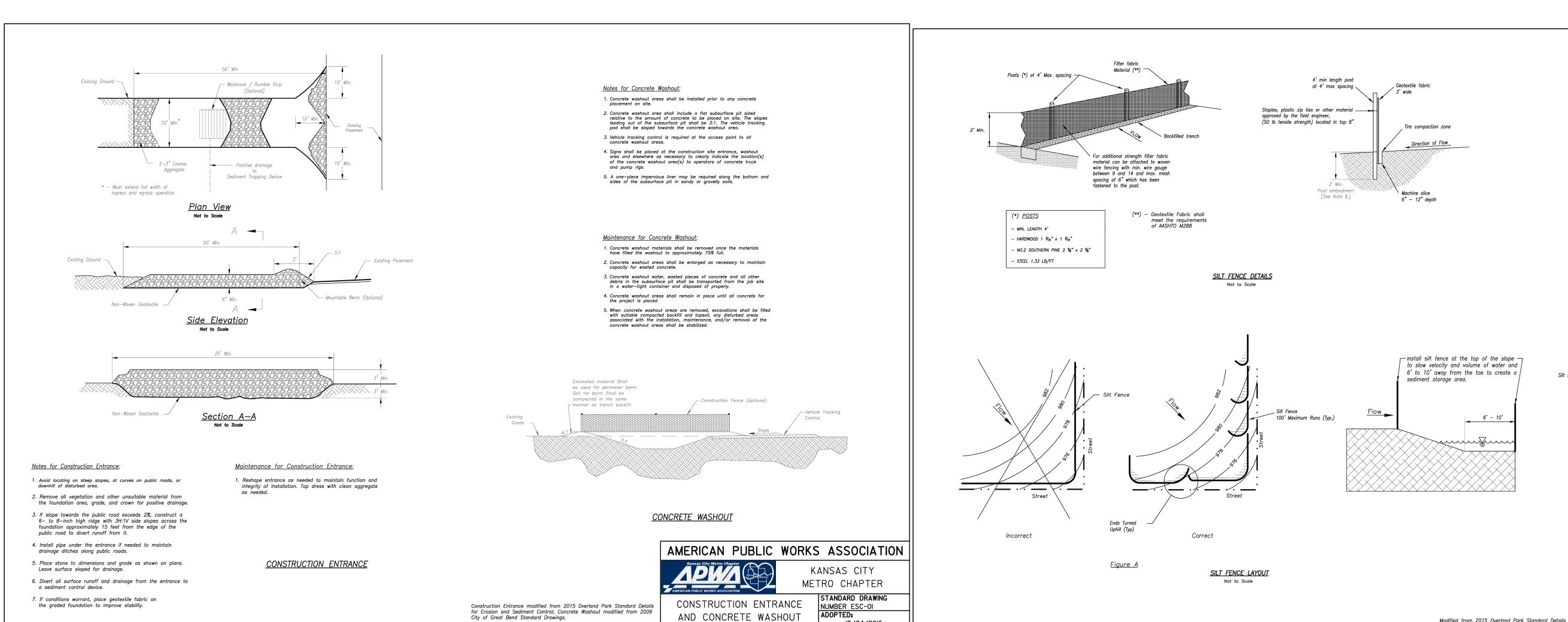
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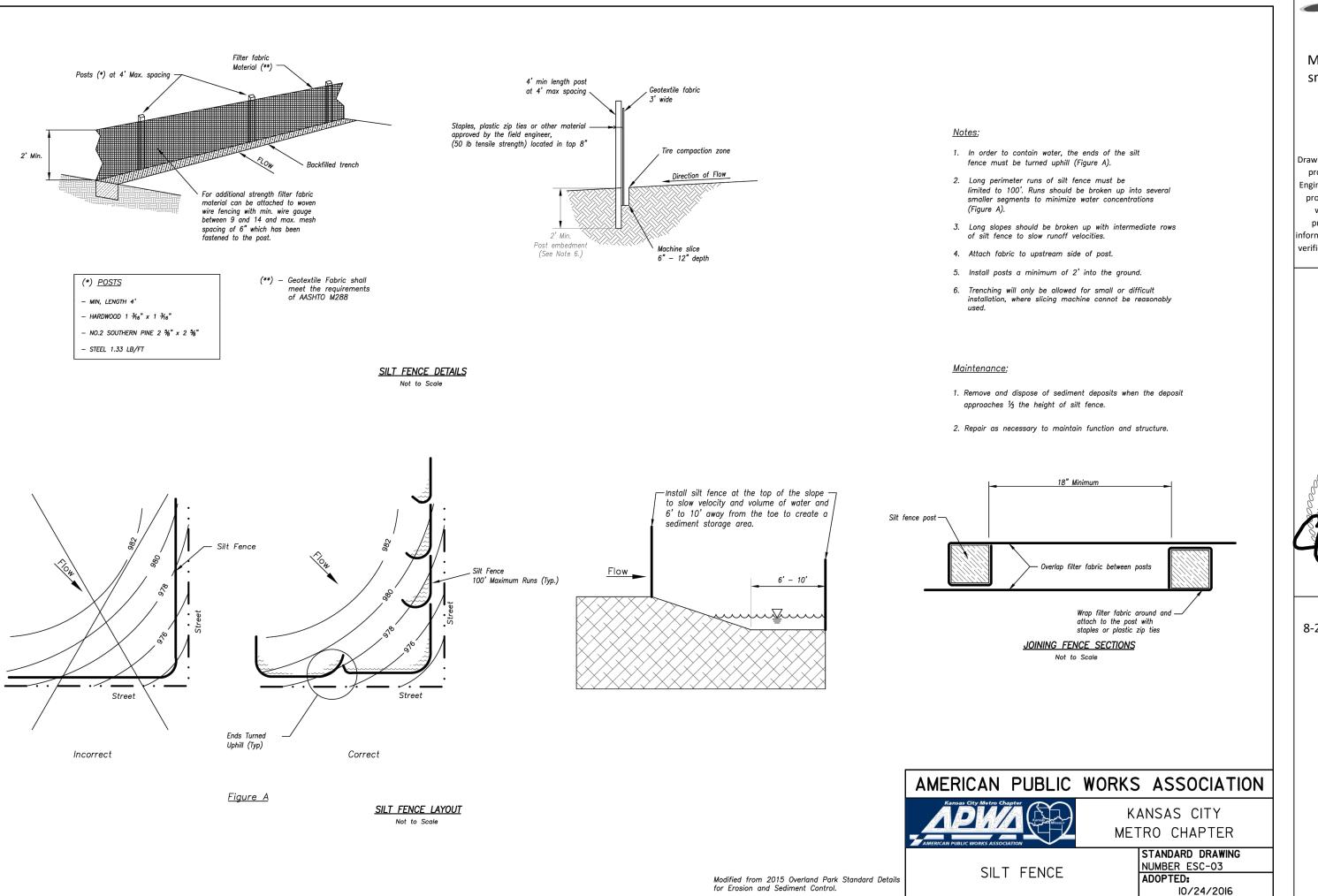


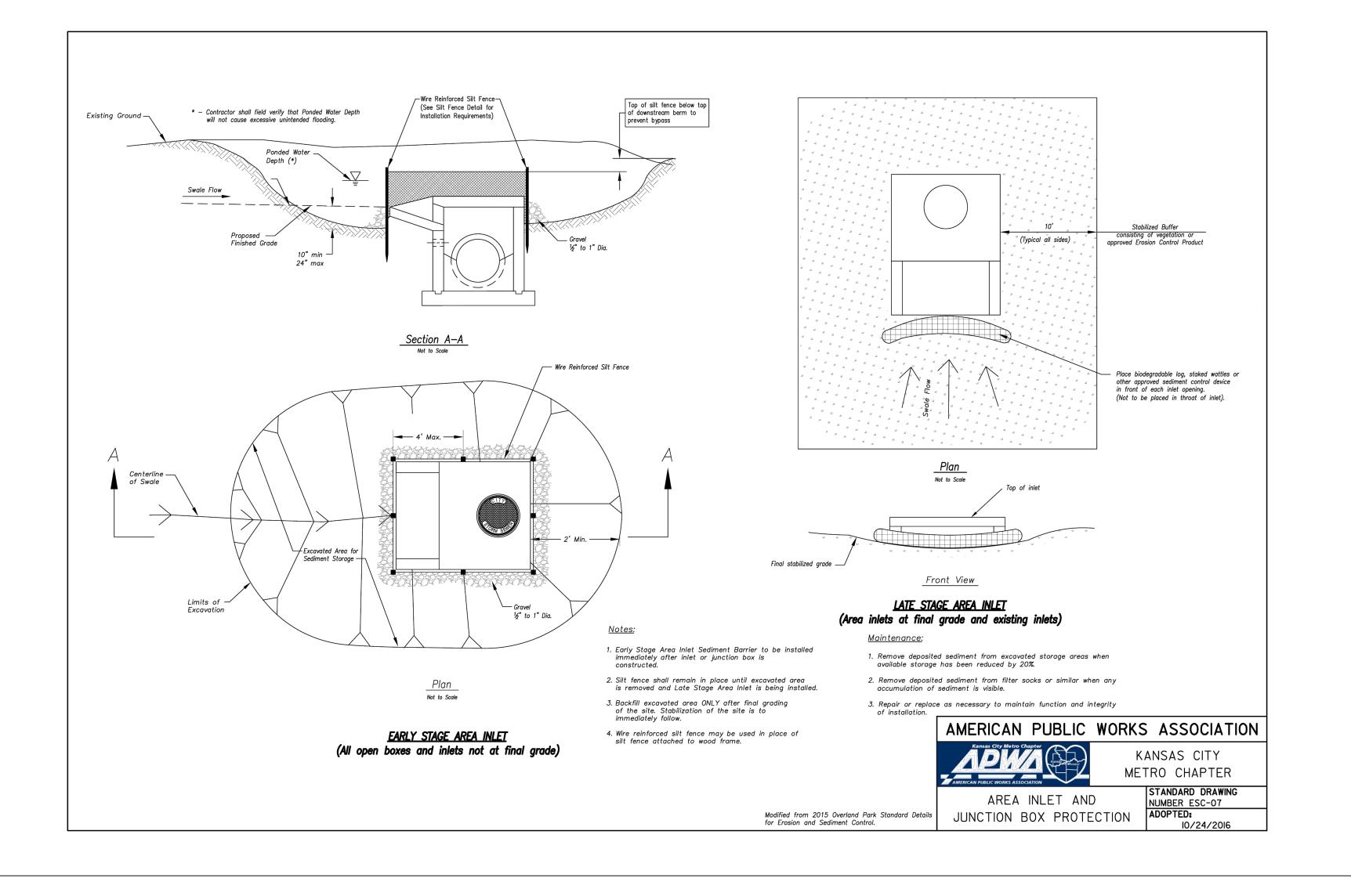
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**EROSION CONTROL** 







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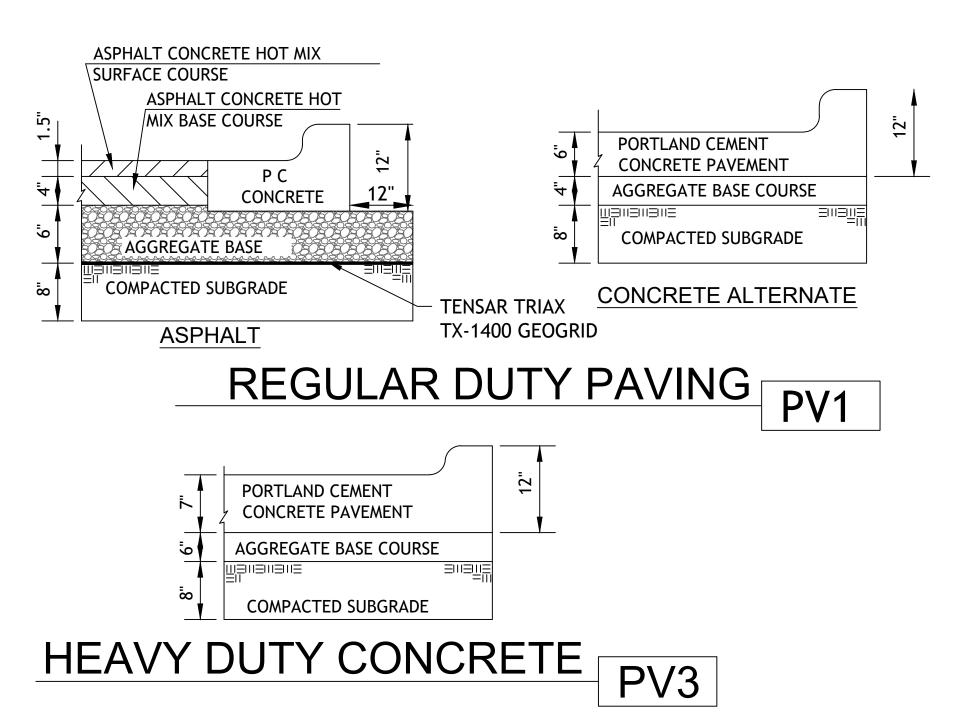
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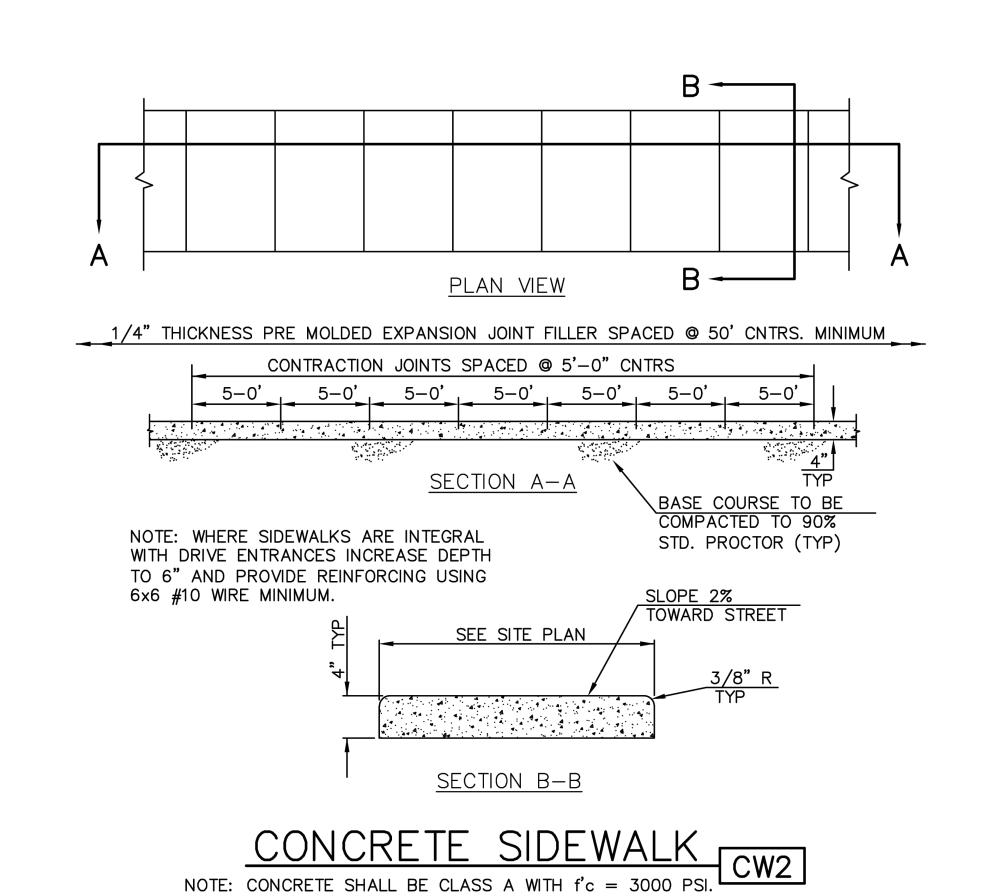
**EROSION DETAILS** permit 19 JULY 2023

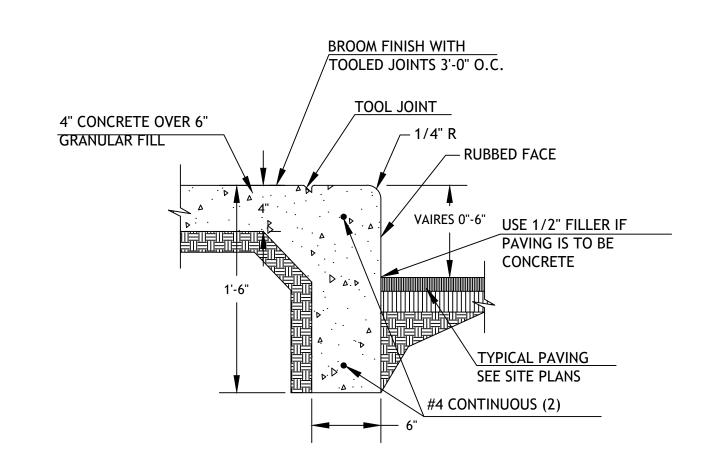


1. FLEXIBLE PAVEMENT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MISSOURI DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

ASPHALT SURFACE COURSE - APWA TYPE 3-01 ASPHALT BASE COURSE - APWA TYPE 2-01 AGGREGATE BASE MoDOT TYPE 5 OR EQUIVALENT

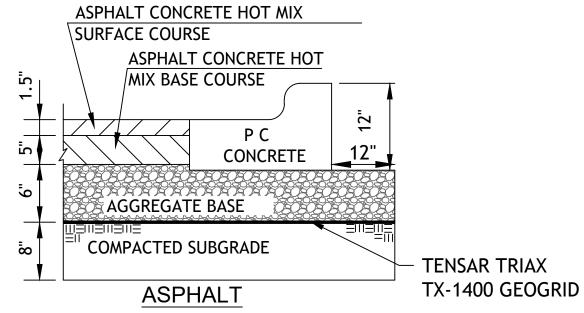
2. PORTLAND CEMENT CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS WITH 6% ENTRAINED AIR  $\pm 2\%$  AND SHALL MEET OR EXCEED THE SPECIFICATIONS SET FORTH IN THE LATEST EDITION OF THE MISSOURI DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.





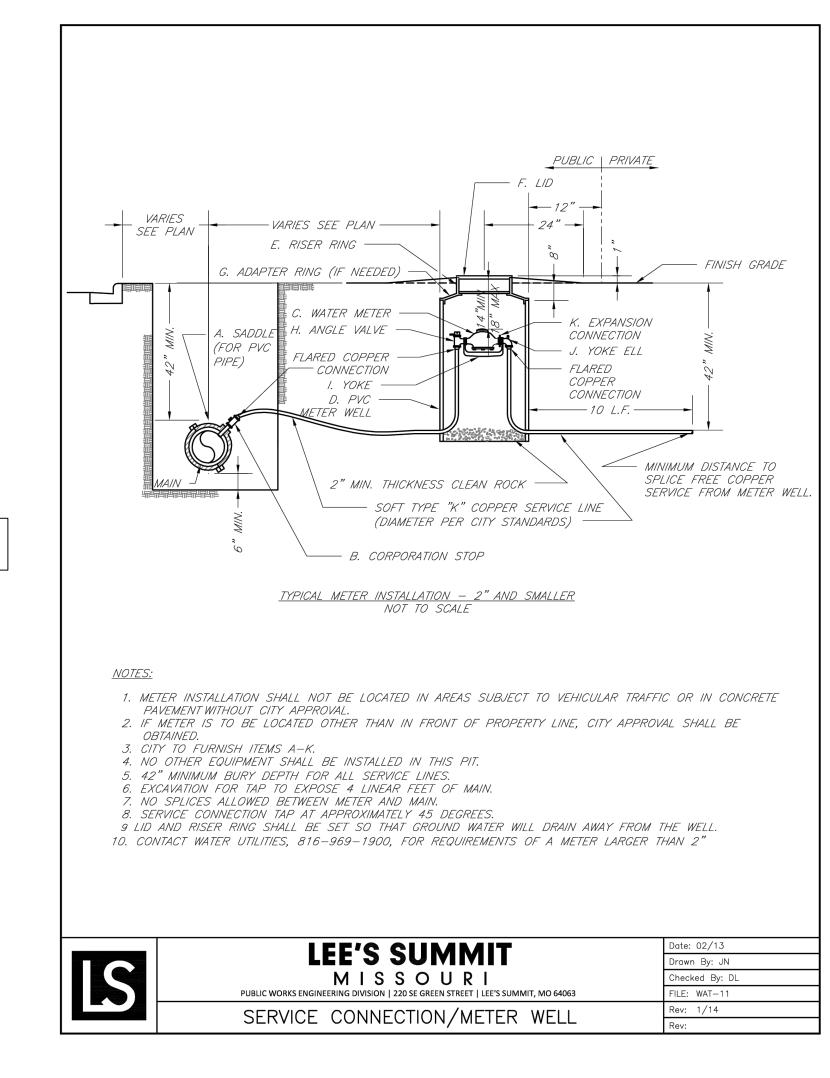
#### CURB WALK/CURB (AT BUILDING)

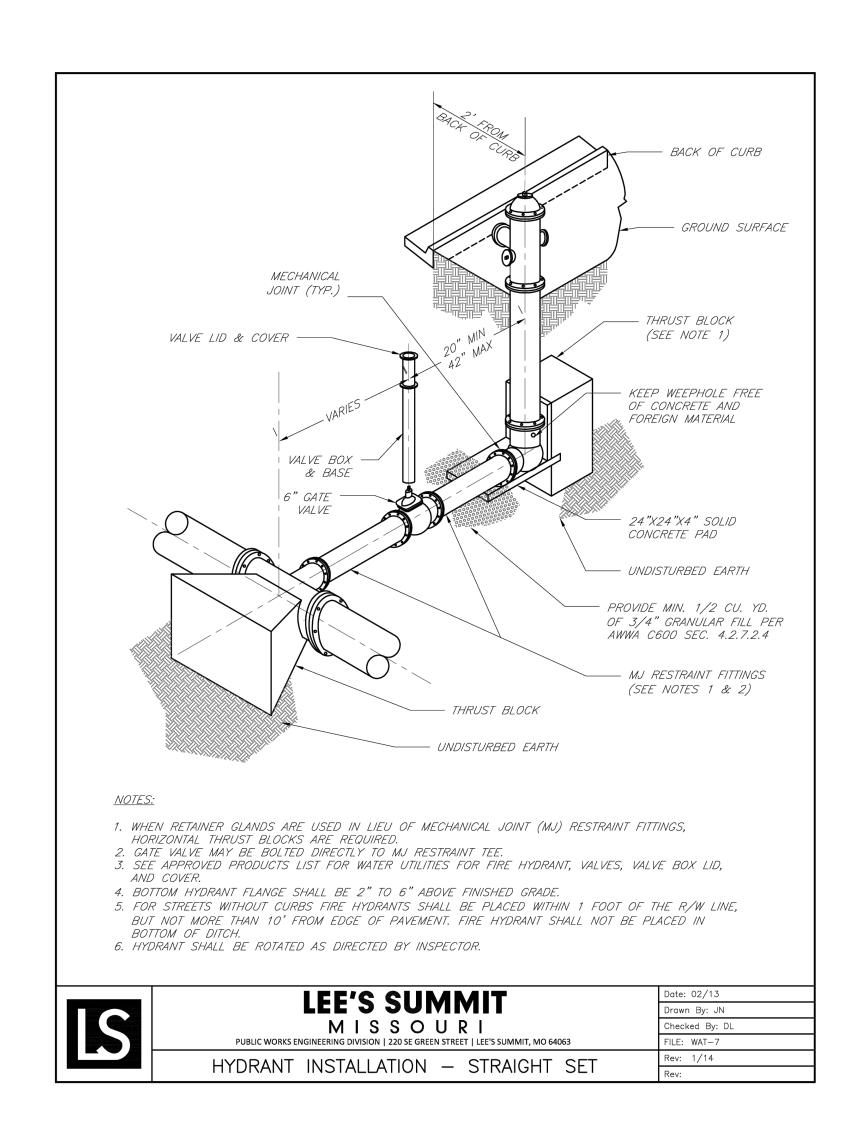
CW1

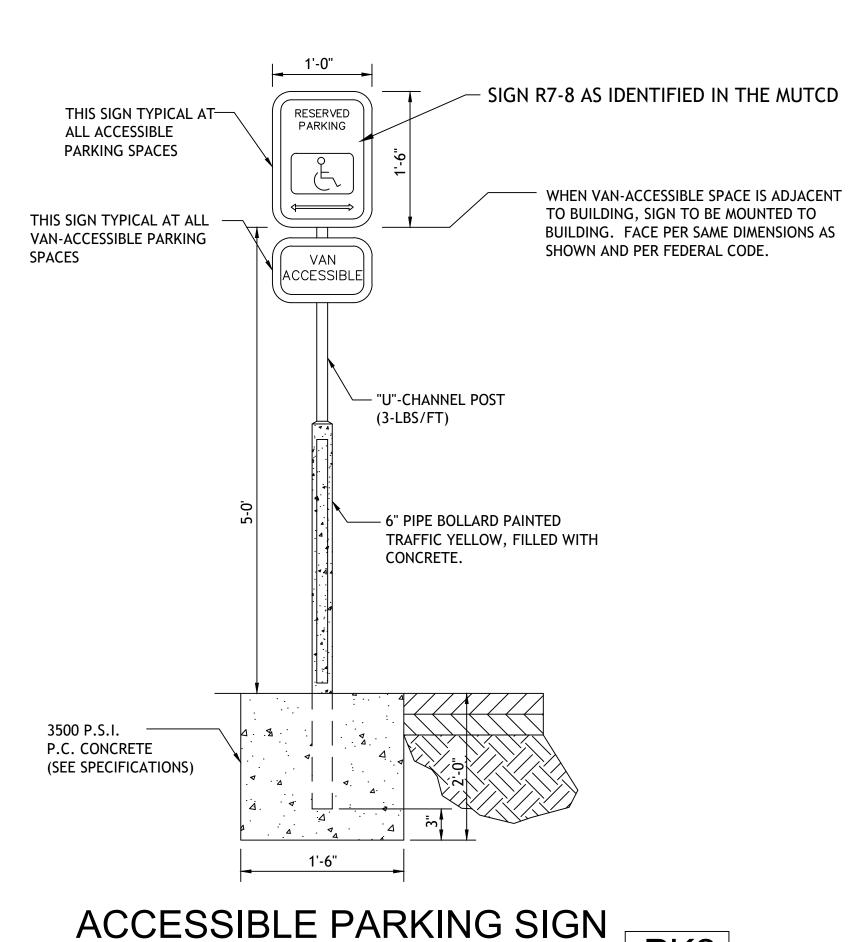


### HEAVY DUTY ASPHALT PAVING

PV2





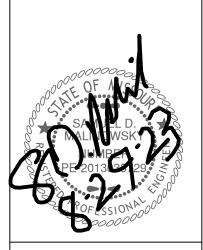


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ARBOR WALK WEST LOT 3
LEE'S SUMMIT, MO.

sheet

Civil

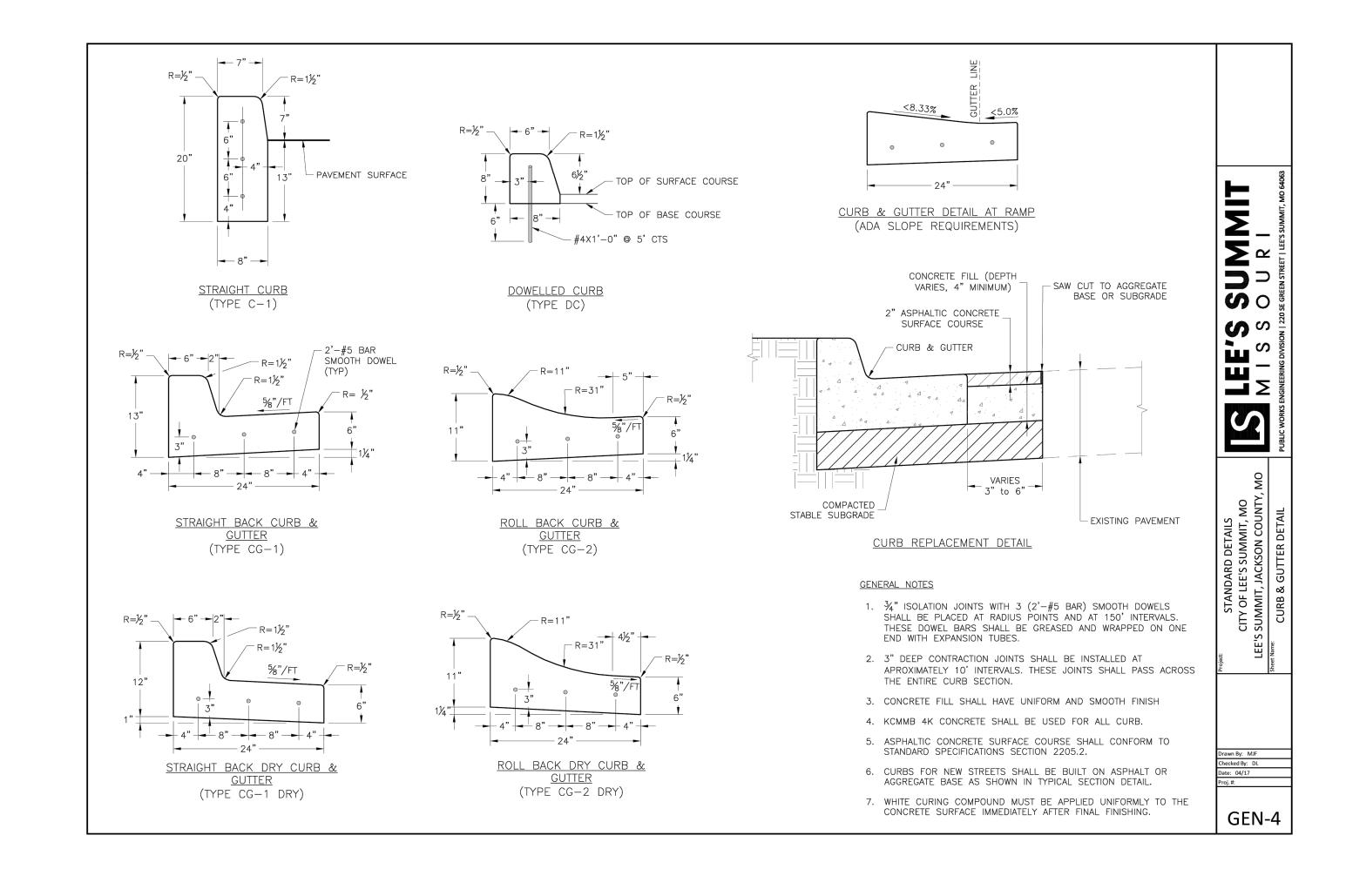
permit 19 JULY 2023

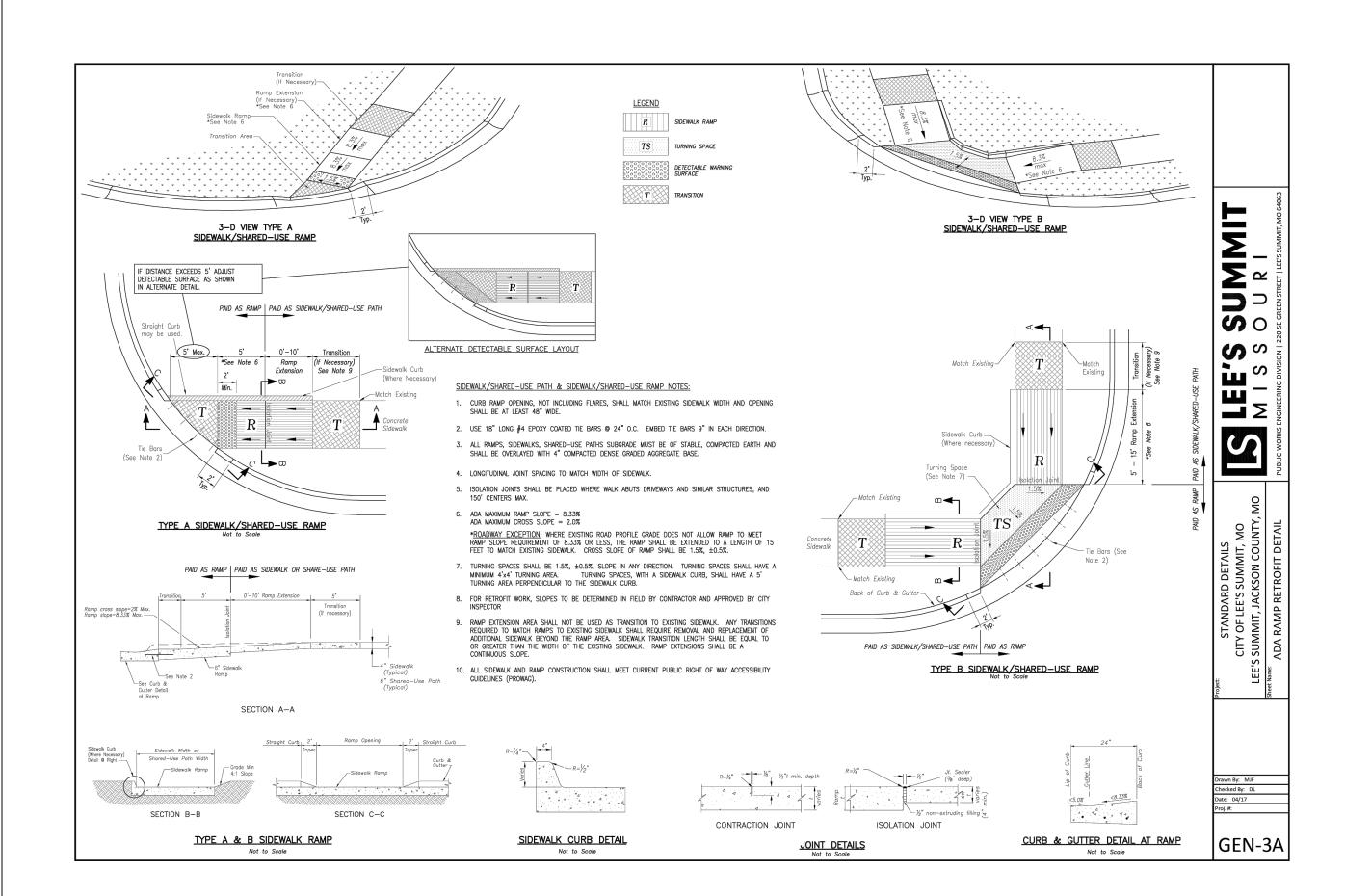
Civil DETAILS

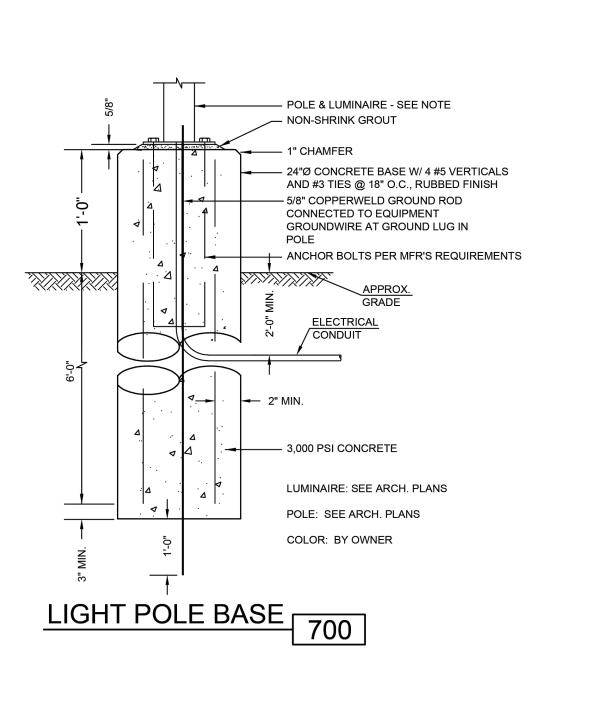
# NOTES: 1. ALL CONCRETE SHALL BE KCMMB-4K 2. ALL JOINTS WITH EXISTING CURB SHALL BE TYPE 2 JOINTS. 3. A TYPE 2 JOINT SHALL BE PLACED AT ALL CURB RETURNS. 4. A TYPE 1 JOINT SHALL BE PLACED AT 15' CENTERS. 5. TYPE "E" CURB SHALL NOT BE USED WITHOUT APPROVAL OF THE ENGINEER. 6. AB-3 MAY BE USED AS A LEVELING COURSE TO BRING SUBGRADE TO PROPER ELEVATION. (6" MAX.)

RIBBON CURB

──────── @ TYPE #2 JOINTS



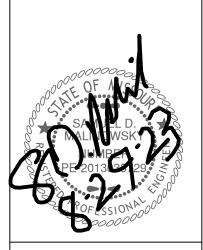




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ARBOR WALK WEST LOT 3

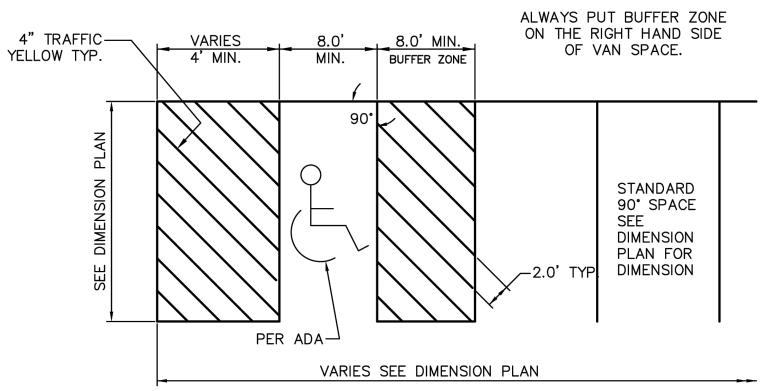
sheet

Civil

Civil

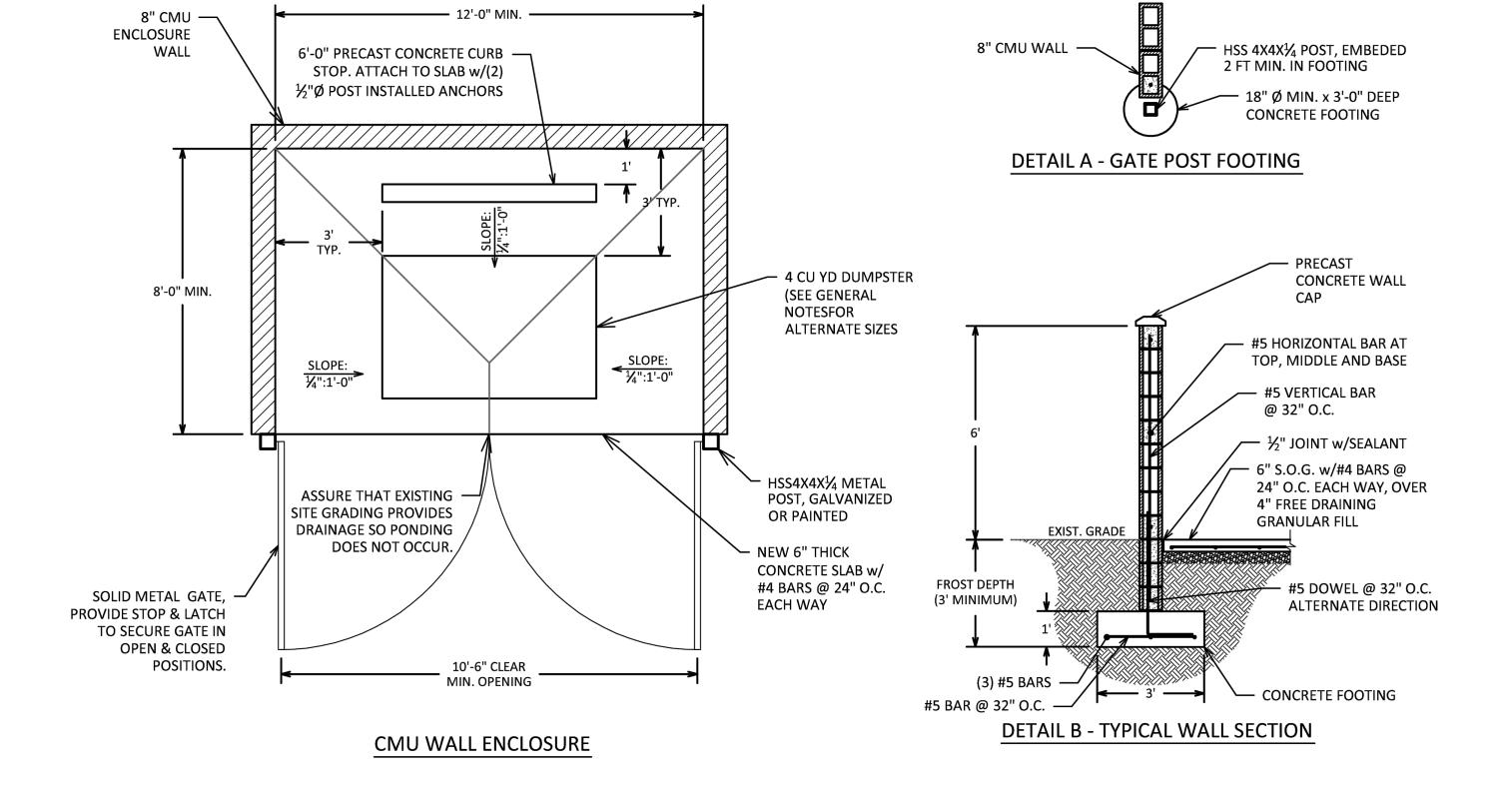
DETAILS

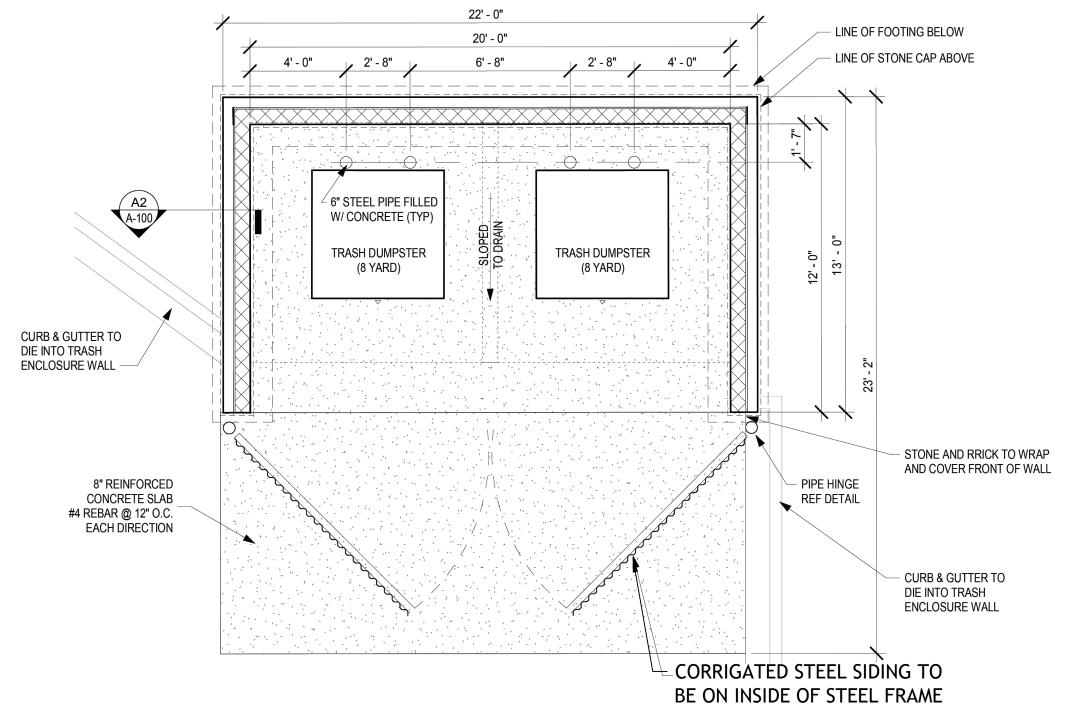
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90° ACCESSIBLE &

VAN ACCESSIBLE SPACE STRIPING



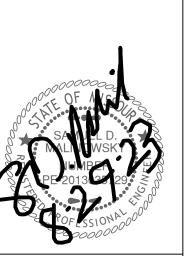


TRASH ENCLOSURE

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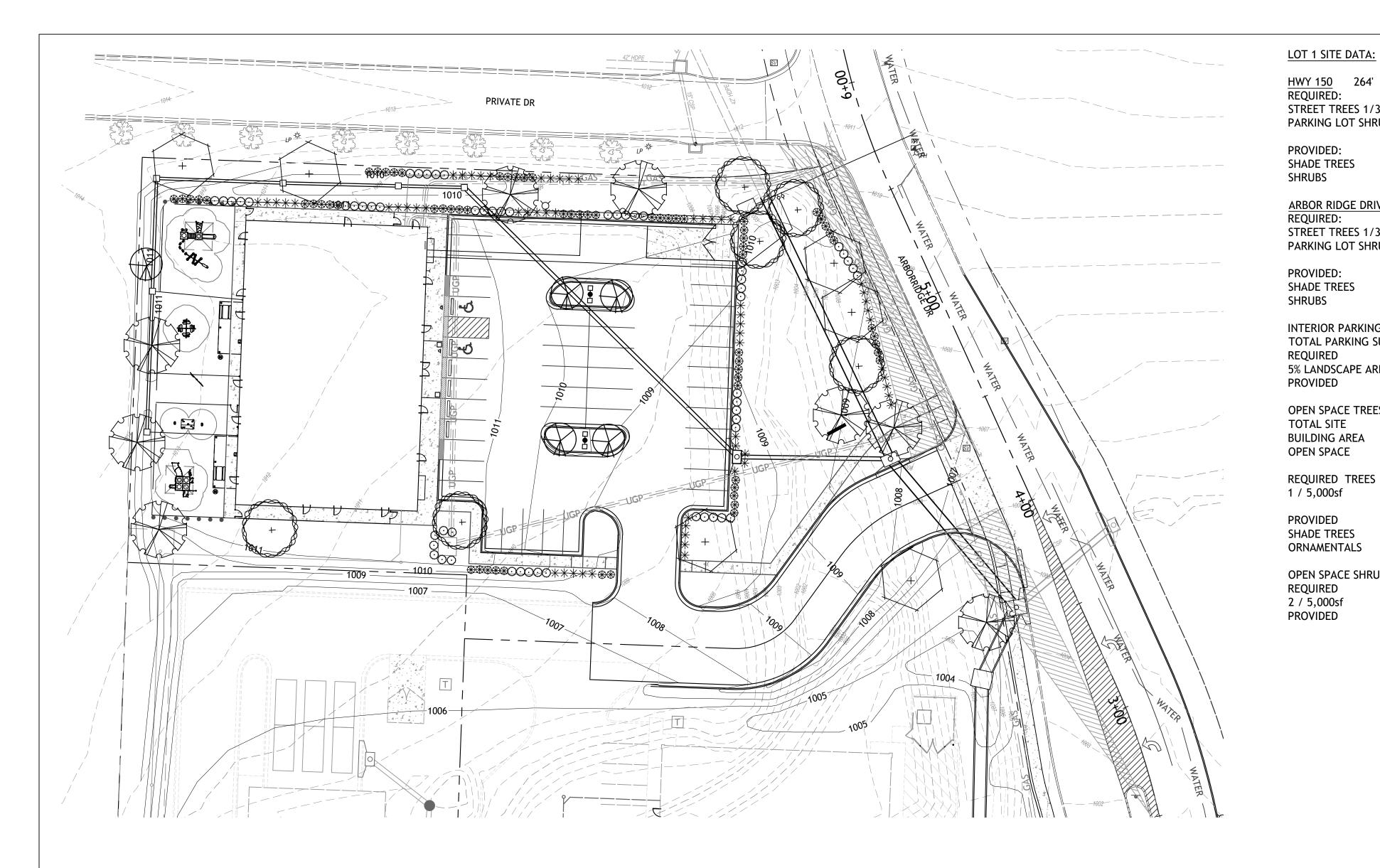
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ARBOR WALK WEST LOT3

sheet

Civil
DETAILS

permit
19 JULY 2023



HWY 150 264' HWY 150 117' **REQUIRED: REQUIRED:** STREET TREES 1/30' STREET TREES 1/30' PARKING LOT SHRUBS 12/40' = 79 PARKING LOT SHRUBS 12/40' PROVIDED: PROVIDED: SHADE TREES = 9 SHADE TREES SHRUBS SHRUBS ARBOR RIDGE DRIVE INTERIOR PARKING TOTAL PARKING SURFACE = **REQUIRED:** STREET TREES 1/30' REQUIRED PARKING LOT SHRUBS 12/40' = 56 5% LANDSCAPE AREA = 438sf = 1,253sf PROVIDED PROVIDED: SHADE TREES OPEN SPACE TREES SHRUBS = 56 TOTAL SITE 0.93ac (40,510sf) BUILDING AREA 1,800sf INTERIOR PARKING OPEN SPACE 38,710sf TOTAL PARKING SURFACE = REQUIRED TREES REQUIRED 5% LANDSCAPE AREA 1 / 5,000sf PROVIDED = 992sf PROVIDED OPEN SPACE TREES SHADE TREES TOTAL SITE 1.51ac (65,775sf) ORNAMENTALS **BUILDING AREA** 4,569sf OPEN SPACE 61,206sf OPEN SPACE SHRUBS REQUIRED REQUIRED TREES 2 / 5,000sf 1 / 5,000sf = 12 PROVIDED = 21 PROVIDED SHADE TREES ORNAMENTALS = 7 OPEN SPACE SHRUBS REQUIRED 2 / 5,000sf **PROVIDED** = 36

LOT 2 SITE DATA: LOT 3 SITE DATA: PRIVATE DR 298' **REQUIRED:** STREET TREES 1/30' PARKING LOT SHRUBS 12/40' = 89 PROVIDED: **EXISTING TREES** SHADE TREES SHRUBS ARBOR RIDGE DRIVE **REQUIRED:** STREET TREES 1/30' PARKING LOT SHRUBS 12/40' PROVIDED: SHADE TREES SHRUBS INTERIOR PARKING TOTAL PARKING SURFACE = 16,788sf REQUIRED 5% LANDSCAPE AREA = 893sf PROVIDED = 1,111sf OPEN SPACE TREES TOTAL SITE 1.45ac (63,162sf) BUILDING AREA 10,000sf OPEN SPACE 56,646sf REQUIRED TREES 1 / 5,000sf = 11 PROVIDED SHADE TREES ORNAMENTALS **OPEN SPACE SHRUBS** REQUIRED 2 / 5,000sf = 22 PROVIDED

SIGHT TRIANGLE

Shrub List **Botanical Name** Size Condition Symbol Quantity Common Name Spacing Juniperus Chinensis 'Seagreen' 18"-24"sp. Seagreen Juniper Cont. 4'o.c. 18"-24"sp. Cont. 4'o.c. Dwarf Winged Euonymus Euonymus Alatus 'Compactus' Morning Light Maiden Grass Miscanthos Sinensis 'Morning Light' 18"-24"sp. Cont. 4'o.c.

#### Tree List

Symbol	Quantity	Common Name	Botanical Name	Size	Condition	Spacing
+	6	October Glory Maple	Acer Rubrum 'October Glory'	3" cal	ВВ	As Shown
+	6	Skyline Honeylocust	Gleditsia Triacanthos 'Skyline'	3" cal	ВВ	As Shown
	8	Swamp White Oak	Quercus Bicolor	3"cal	ВВ	As Shown
	5	Golden Raintree	Koelreuteria Paniculata	3"cal	ВВ	As Shown

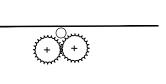
#### Typical Utility Box Screening Details

No Scale



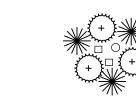
Free Standing

Transformer



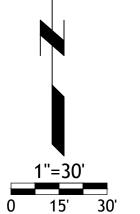


Small Box



Free Standing Clustered Boxes Against Wall

UTILITY BOXES SHALL BE CLUSTERED AS MUCH AS POSSIBLE



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19 JULY 2023

LANDSCAPE permit

LANDSCAPE NOTES CONTRACTOR REQUIRED TO LOCATE ALL UTILITIES BEFORE INSTALLATION TO

CONTRACTOR SHALL VERIFY ALL LANDSCAPE MATERIAL QUANTITIES AND SHALL REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

NO PLANT MATERIAL SUBSTITUTIONS ARE ALLOWED WITHOUT LANDSCAPE ARCHITECT OR OWNERS APPROVAL.

CONTRACTOR SHALL GUARANTEE ALL LANDSCAPE WORK AND PLANT MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE OF THE WORK BY THE OWNER. ANY PLANT MATERIAL WHICH DIES DURING THE ONE YEAR GUARANTEE PERIOD SHALL BE REPLACED BY THE CONTRACTOR DURING NORMAL PLANTING SEASONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE PLANTS UNTIL COMPLETION OF THE JOB AND ACCEPTANCE BY THE OWNER.

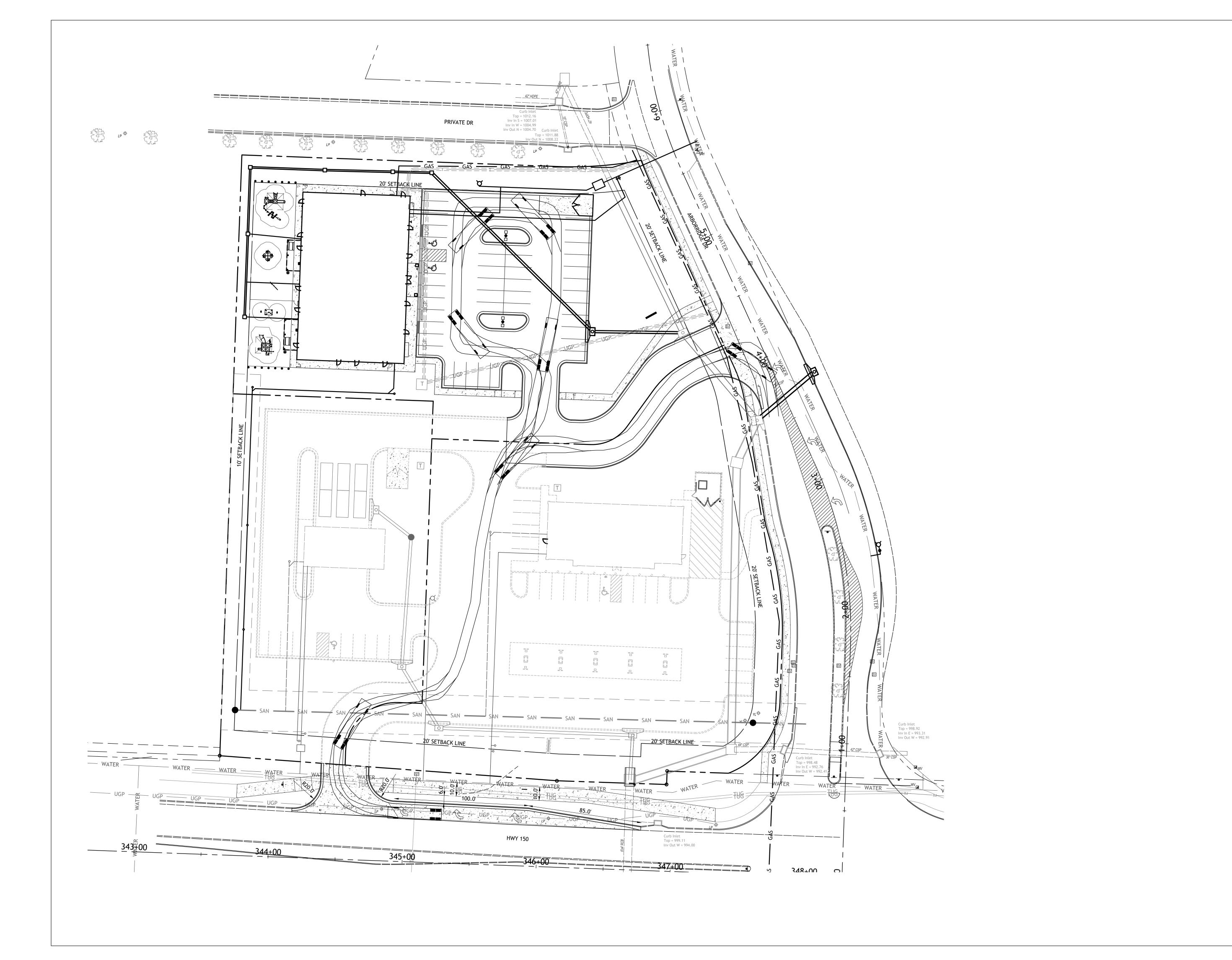
ALL PLANT MATERIAL SHALL BE SPECIMEN QUALITY STOCK AS DETERMINED IN THE "AMERICAN STANDARDS FOR NURSERY STOCK" PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMAN, FREE OF PLANT DISEASES AND PEST, OF TYPICAL GROWTH OF THE SPECIES AND HAVING A HEALTHY, NORMAL ROOT SYSTEM.

SIZES INDICATED ON THE PLANT LIST ARE THE MINIMUM, ACCEPTABLE SIZE. IN NO CASE WILL SIZES LESS THAN SPECIFIED BE ACCEPTED.

ALL SHRUB BEDS WITHIN LAWN AREAS TO RECEIVE A MANICURED EDGE.

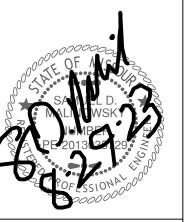
ALL SHRUB BEDS SHALL BE MULCHED WITH 3" OF SHREDDED CEDAR MULCH.

ALL AREAS TO BE FERTILIZED & SODDED WITH A TURF-TYPE-TALL FESCUE SEED BLEND.



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Revisions 8-29-23 CITY COMMENTS

ARBOR WALK WEST LOT 3

sheet

Civil
FIRE TRUCK
MOVEMENTS
permit
19 JULY 2023