# **MASTER PLAN FOR: OLD KNIGHT ROAD OFFICE BUILDING** KNIGHTDALE, ST. MATHEW'S TOWNSHIP, WAKE COUNTY, NORTH CAROLINA 27545 **TOK PROJECT #ZCP-8-24 CONTACT LIST**

- TOWN OF KNIGHTDALE DEVELOPMENT SERVICES: **GIDEON SMITH, AICP** SENIOR PLANNER gideon.smith@knightdalenc.gov 950 STEEPLE SQUARE COURT KNIGHTDALE, NC 27545 TEL: 919-217-2245
- TOWN OF KNIGHTDALE DEVELOPMENT SERVICES: HEIDI SALMINEN PLANNING TECHNICIAN heidi.salminen@knightdalenc.gov 950 STEEPLE SQUARE COURT **KNIGHTDALE, NC 27545** TEL: 919-217-2244
- TOWN OF KNIGHTDALE TRANSPORTATION PLANNING DEPARTMENT: ANDREW SPILIOTIS **SENIOR PLANNER - TRANSPORTATION** andrew.spiliotis@knightdale.com 950 STEEPLE SQUARE COURT KNIGHTDALE, NC 27545 TEL: 919-217-2247
- **TOWN OF KNIGHTDALE STORMWATER** MANAGEMENT DEPARTMENT: swengineer@knightdale.gov 950 STEEPLE SQUARE COURT **KNIGHTDALE, NC 27545** TEL: 919-217-2257

- TOWN OF KNIGHTDALE PUBLIC WORKS PHILLIP BUNTON PUBLIC WORKS DIRECTOR phillip.bunton@knightdalenc.gov 950 STEEPLE SQUARE COURT **KNIGHTDALE, NC 27545** TEL: 919-217-2250
- RALEIGH WATER: CYDNEY TERRY, MBA SENIOR ENGINEER cydney.terry@raleighnc.gov **ONE EXCHANGE PLAZA** RALEIGH, NC 27601 TEL: 919-996-3546
- NCDOT STREETS & HIGHWAYS: **DIVISION 5, DISTRICT 1 JEREMY WARREN, PE** jlwarren@ncdot.gov TEL: 919-733-3213

WATER ALLOCATION POLICY - POINTS TABLE

POINTS AWARDED

**41 BASE POINTS** 

**2 BONUS POINTS** 

SINGLE USE OFFICE

PROPOSED IMPROVEMENT

ENHANCED ROADSIDE LANDSCAPING

UNDERGROUND CISTERN

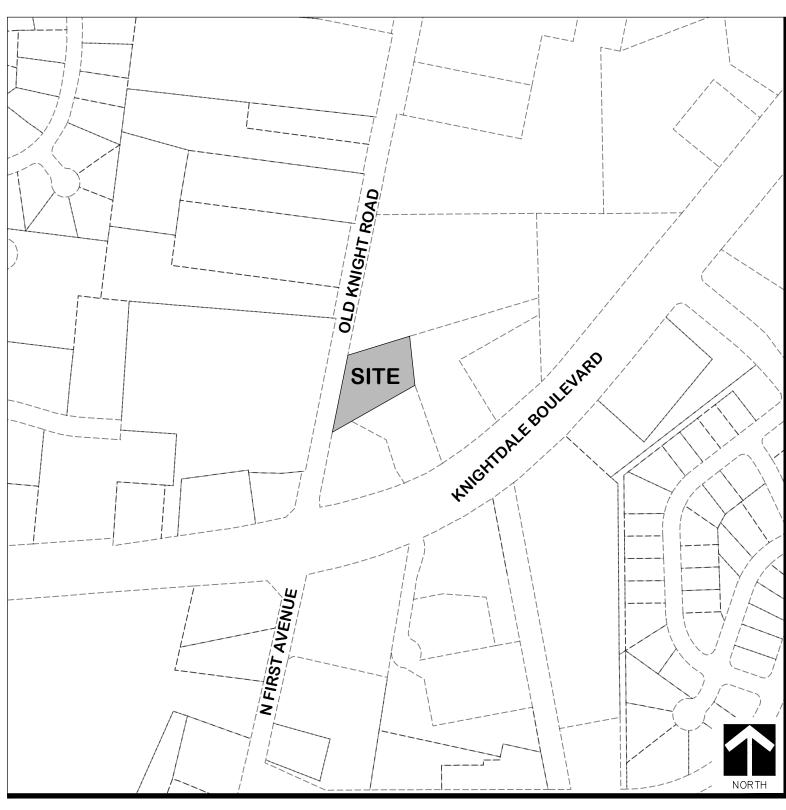
OUTDOOR DISPLAY OF PUBLIC ART

**5 BONUS POINTS** 

**4 BONUS POINTS** 

### **TOTAL = 52 POINTS**

WE Design You	r Tomorrow	Civil/Site - Utilities - Construction Observation Survey/SUE	Civil/Site - Utilities - Construction Obs
MEMORANI	DUM		
TO:	Luke Krantz, E.I. Pabst Design Grou	p	
FROM:	Lawrence Green, F	PE, PTOE	
DATE:	September 17, 202	4	
SUBJECT:	700 Old Knight Ro	oad, Knightdale, North Carolina 27545 –	Proposed Office Developme
generation of generation, th utilized. Show - AM F - PM P	a proposed 7,000 squ	& 2 OUT) & 8 OUT)	NC. To determine the site tr
to generate 3,	criteria for requiring a ,000 or more daily tri	Traffic Impact Study are for proposed de ips. As shown by the trip generation as will not exceed the NCDOT requirement	ssessment above, the propose



VICINITY MAP 1"= 300'

### **INDEX TO PLANS**

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	BOUNDARY & TOPOGRAPHIC SURVEY
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C-0.2	LEGENDS & NOTES SHEET
C-0.3	APPROVED VARIANCE DOCUMENT
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C-4.0	GRADING & STORM DRAINAGE PLAN
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24-0393A	LIGHTING PLAN
1	ARCHITECTURAL PLAN
2-4	ARCHITECTURAL RENDERINGS

OWNER:	SURVEYOR:
MOORE'S REALTY, INC.	NEWCOMB LAND SURVEYORS, LLC
JACKIE MOORE	JUSTIN L. LUTHER, PLS
623 NOON FLYER WAY	7008 HARPS MILL ROAD, SUITE 105
KNIGHTDALE, NC 27545	RALEIGH, NC 27615
TEL: 919-931-1116	TEL: 919-547-1800
E-MAIL: jackie.mooresrealtyinc@gmail.com	E-MAIL: justin@nls-nc.com
CIVIL ENGINEER:	ARCHITECT:
PABST DESIGN GROUP, PA	FURINI ARCHITECTS, PLLC
P. DAN PABST, PE	ALEX FURINI, RA, PRÍNCIPAL
107 FAYETTEVILLE STREET, SUITE 200	202 WAYFIELD LANE
RALEIGH, NC 27601	CARY, NC 27518
TEL: 919-848-4399	TEL: 919-646-5811

E-MAIL: dpabst@pabstdesign.com

E-MAIL: alex@furiniarchitects.com

### **RALEIGH WATER CONDITIONS OF APPROVAL**

- ALL WATER, SANITARY SEWER AND REUSE FACILITIES SHALL BE INSTALLED, INSPECTED, TESTED, AND ACCEPTED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT FOR OPRERATIONS AND MAINTENANCE PRIOR TO 1ST CO.
- CONSTRUCTION DRAWINGS MUST BE APPROVED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT FOR ALL PUBLIC WATER, PUBLIC SEWER AND/OR PRIVATE SEWER EXTENSIONS PRIOR TO PLAT RECORDATION.
- A PLAT MUST BE RECORDED AT THE WAKE COUNTY REGISTER OF DEEDS OFFICE FOR ALL UTILITY EASEMENT DEDICATIONS PRIOR TO BUILDING PERMIT ISSUANCE.

	SITE DATA TABLE
SITE ADDRESS:	700 OLD KNIGHT ROAD
	KNIGHTDALE, NORTH CAROLINA 27545
OWNER/APPLICANT:	JACKIE MOORE, MOORE'S REALTY, INC. 623 NOON FLYER WAY
	KNIGHTDALE, NORTH CAROLINA 27545
ENGINEER:	PABST DESIGN GROUP, PA
	107 FAYETTEVILLE STREET, SUITE 200 RALEIGH, NC 27601
	919.848.4399
DEED/PAGE:	DB 019200 PG 01486
PIN(S):	1754-56-9791
EXISTING ZONING DISTRICT:	HIGHWAY BUSINESS (HB)
EXISTING LAND USE:	VACANT
PROPOSED LAND USE:	OFFICE, PROFESSIONAL SERVICES
PARCEL AREA:	TOTAL BEFORE R/W DEDICATION: 41,357 SF (0.949 AC) TOTAL AFTER R/W DEDICATION: 39,089 SF (0.897 AC)
RIVERBASIN:	NEUSE
WATERSHED:	LOWER NEUSE RIVER
FLOODPLAIN DATA:	NO PORTION OF THE PROPERTY IS LOCATED WITHIN SPECIAL FLOOD HAZARD ZONE PER INSURANCE RATE MAP (RATE MAP 3720175400K DATED JULY 19, 2022)
PRE-DEVELOPED	ONSITE: ±0.08 ACRES (3,568 SF)
IMPERVIOUS:	OFFSITE: ±0.04 ACRES (1,787 SF) TOTAL: ±0.12 ACRES (5,355 SF)
POST-DEVELOPED	ONSITE: ±0.52 ACRES (22,432 SF)
IMPERVIOUS:	OFFSITE: ±0.13 ACRES (5,759 SF)
PROPOSED LAND	TOTAL: ±0.65 ACRES (28,191 SF)
DISTURBANCE:	±1.20 ACRES (52,186 SF)
EMPORARY SILT/TREE ROTECTION FENCING:	±540 LF
PROPOSED BUILDING TYPE:	OFFICE, PROFESSIONAL SERVICES
PRINCIPAL BUILDING	REAR SETBACK: 0' (MIN)
SETBACKS:	SIDE SETBACK: 6' (MIN) FRONT SETBACK: 10' - 78' (MIN - MAX)
	(PER VARIANCE BK019337PG01398)
PARKING SETBACKS:	FRONT YARD: PROHIBITED SIDE YARD: 0' (MIN)
	REAR YARD: 5' (MIN)
UILDING FLOOR AREA:	EXISTING = 0 GFA
BUILDING HEIGHT:	
	MAX. BUILDING HEIGHT: 70'-0" (5 STORIES) PROPOSED BUILDING HEIGHT: 28'-8" (1 STORY)
MINIMUM PARKING REQUIREMENTS:	<u>PROFESSIONAL SERVICES:</u> MAXIMUM = 4 SPACES PER 1,000 SF GFA (28 SPACES); MINIMUM = 1/2 MAX (14 SPACES)
	TOTAL REQUIRED: 14 SPACES
	TOTAL PROVIDED: 14 SPACES (INCLUDING 1 ADA VAN SPACE)
	EV PARKING: MINIMUM = 2 EV CHARGING STATIONS FOR NON-RESIDENTIAL USE WITH OFF-STREET PARKING FOR MOTORIZED VEHICLES
	TOTAL REQUIRED: 2 EV CHARGING STATIONS TOTAL PROVIDED: 2 EV CHARGING STATIONS
	BICYCLE PARKING: MINIMUM = 2 SPACES FOR NON- RESIDENTIAL USE WITH OFF-STREET PARKING FOR MOTORIZED VEHICLES
	TOTAL REQUIRED: 2 SPACES TOTAL PROVIDED: 2 SPACES (1 BICYCLE RACK)
PUBLIC GATHERING SPACE:	1 SF / 25 SF GFA (REQUIRED) (1/25)*7000 SF =280 SF
	1,320 SF (PROVIDED)

### **GENERAL NOTES**

ALL DEVELOPMENT IS SUBJECT TO VAR-5-22 AS RECORDED IN BOOK 019337 PAGES 01398-01402 OF THE WAKE COUNTY REGISTER OF DEEDS.

### **JUSTIFICATION STATEMENT [UDO SEC. 7.1.D]**

ALL DEVELOPMENTS FEATURING ON-SITE PARKING LOTS SHALL BE DESIGNED TO ALLOW FOR CROSS-ACCESS TO ADJACENT PROPERTIES TO ENCOURAGE SHARED PARKING. [UDO SEC. 7.1(J)(3)]

PROVIDING CROSS-ACCESS TO THE NORTHERN ADJACENT PROPERTY IS IMPRACTICAL DUE TO ENVIRONMENTAL CONSTRAINTS INCLUDING AN EXISTING STREAM AND POND ALONG THE SOUTHERN BORDER OF THE ADJACENT PROPERTY . [UDO SEC. 7.1.D]

PROVIDING CROSS-ACCESS TO THE EASTERN ADJACENT PROPERTY IS IMPRACTICAL DUE TO ENVIRONMENTAL AND PARCEL AREA CONSTRAINTS THERE ARE EXISTING WETLANDS ALONG THE FRONTAGE OF THE SUBJECT PROPERTY AND AN EXISTING ASPHALT DRIVE THAT FURTHER REDUCE THE SMALL AMOUNT OF USABLE AREA ON THE PROPERTY. [UDO SEC. 7.1.D]



Town of Knightdale

**Development Services** 

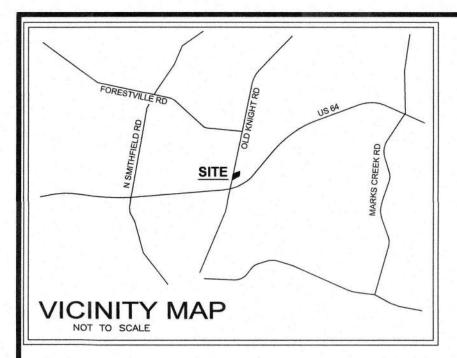
Gideon Smith 03/26/2025

6 SOUP. PAST BUILDING OFFICE PLAN OAD ER I R SI MAST MAST COVE N **KNIGHT** OLD 002 **APPROVED MASTER PLAN** DRAWING SHEET **C-0.0** 

**PROJECT NUMBER** 

627-22

NOTE(s): ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH ALL TOWN OF KNIGHTDALE, CITY OF RALEIGH AND NCDOT STANDARDS AND SPECIFICATIONS.



### LEGEND and NOMENCLATURE

SYN	BOLS	LINETYPI	ES
0	Ex. iron pipe/rod or nail	— × —	- Fence
	Ex. concrete monument	— ou —	- Overhead utility
	New iron pipe	— w —	- Water
Θ	Calculated point	SS	- Sanitary sewer
C	Cable pedestal	SD	- Storm drain
T	Telephone pedestal		
E	Electric pedestal	ABBREVI	ATIONS
F	Fiber-optic marker	DB	Deed Book
S	Traffic signal box	PB or BM	Plat Book / Book of Maps
50	Water meter	N/F	Now or formerly
0	Fire hydrant	Pg.	Page
$\bowtie$	Valve (water or gas)	SF	Square feet
(S) (0)	Sanitary sewer manhole	Ac.	Acres
0	Sanitary sewer cleanout	R/W	Right-of-way
·	Storm curb inlet	NCSR	North Carolina State Rout
	Drainage inlet (w/ grate)	NCDOT	North Carolina Dept. of Tr
Ō	Storm drain manhole	R/W	Right-of-way
J.	Utility pole	Ex.	Existing
X	Lamp post	RCP	Reinforced concrete pipe
A	- 28 Y 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PVC	Polyvinyl chloride pipe
5	Signal pole	(M)	Measured
4	Guy wire	AG	Above around

Sign post

of-way Carolina State Route Carolina Dept. of Transportation f-way rced concrete pipe yl chloride pipe red Above ground Below ground

### NOTES:

1) All distances are horizontal ground distances in u.s. survey feet unless otherwise noted. Area(s) computed by coordinate geometry.

AG

BG

2) This survey does not include nor depict any environmental evaluations. No investigation into the existence of wetlands or riparian buffers performed in the preparation of this survey. Wetlands shown hereon field located by this office as placed by Sage Ecological Services per a sketch map provided dated 7/11/22.

3) Field survey performed February 1 thru 6, 2023 and November 20 thru November 22, 2023.

4) Surveyor has made no investigation or independent search for easements of record, encumbrances, restrictive covenants, ownership title evidence or any other facts that an accurate and current title search may disclose.

5) The locations of underground utilities as shown hereon (if any) are based on aboveground structures and aboveground visual evidence only. Locations of underground utilities/structures may vary from location shown hereon. Additional buried utilities/structures may be encountered. No excavations were made during the progress of this survey to locate buried utilities/structures.

6) Subject property is NOT located within a special flood hazard zone per FEMA Flood Insurance Rate Map (FIRM) #3720175400K, effective date July 19, 2022.

7) The State Plane Coordinates for this project were produced with RTK GPS observations and processed using the North Carolina VRS network. The network positional accuracy of the derived positional information is ±0.07'.

HORIZONTAL DATUM = NAD 83/2011 VERTICAL DATUM = NAVD 88

Professional Land Surveyor (L-5107)

THIS SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND OR ONE OR MORE EXISTING EASEMENTS AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.

I, Justin L. Luther, certify that this plat was drawn under my supervision from an actual survey made under my supervision from references as noted on said plat; that the boundaries not surveyed are clearly indicated as drawn from information as indicated under references; that the ratio of precision as calculated is greater than 1:10,000; that this plat was prepared in accordance with NCGS 47–30 as amended.

Witness my original signature, license number and seal this day of \_\_\_\_\_\_\_\_, 2023.



APPROVED MASTER PLAN Town of Knightdale **Development Services** Gideon Smith 03/26/2025

**REFERENCES:** 

S

R/W

PUBLIC

WA-11

WA-10

(5.64')

WA-OS

WA-20 WA-21

3/8" IRON ROD 0.1'AG

WA-19

WA-17

15"RCP INV .:

330.02'

ROAD

KNIGHT

OLD

 $\bowtie$ 

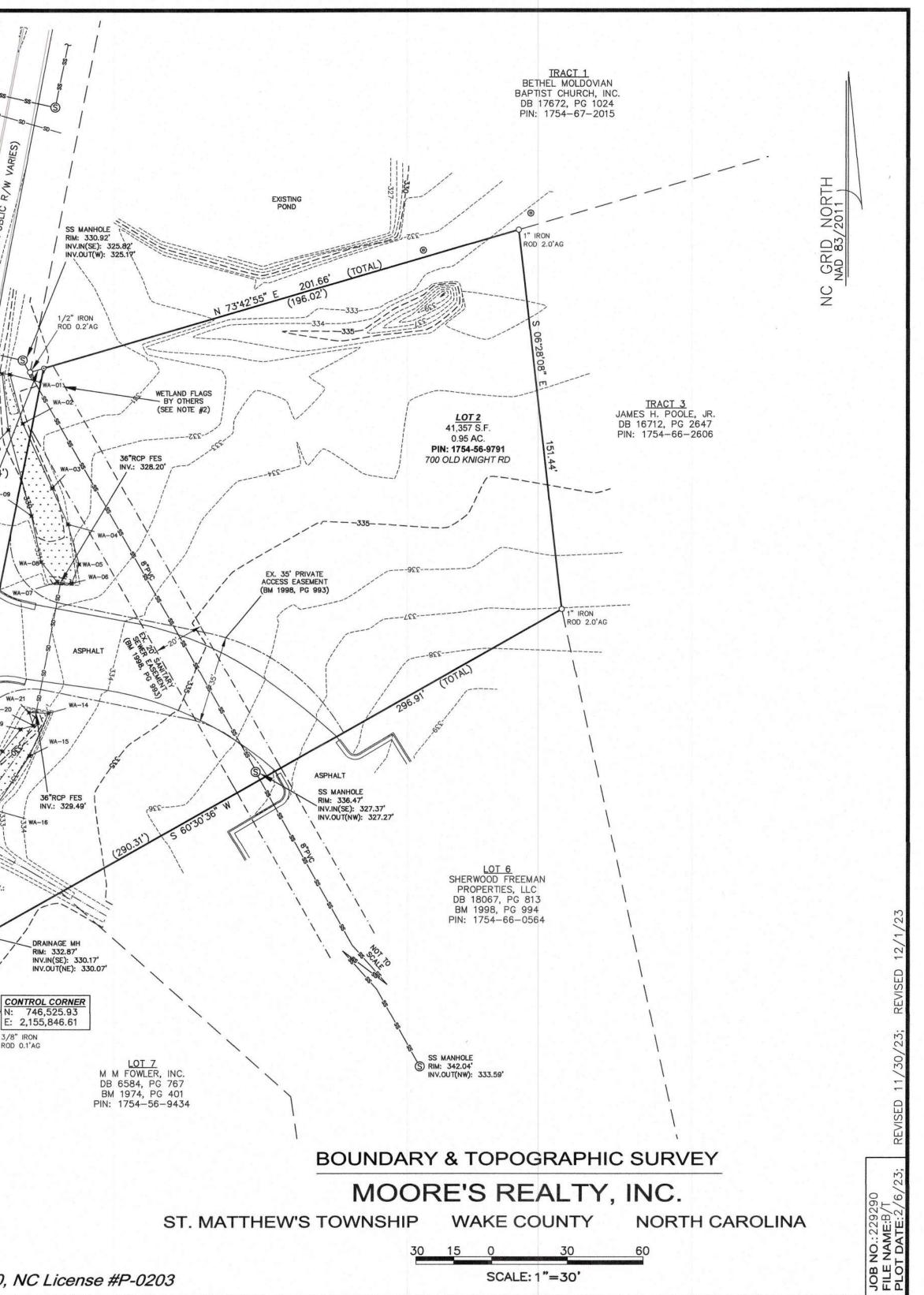
(6.60') 🛛 😽

Ø

DEED BOOK 19200, PAGE 1486 BOOK OF MAPS 1974, PAGE 401

**\*OTHERS SHOWN HEREON** 

NEWCOMB land surveyors, Llc, 7008 Harps Mill Road, Ste. 105, Raleigh, NC 27615, (919) 847-1800, NC License #P-0203



NOTE(s): ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH ALL TOWN OF KNIGHTDALE, CITY OF RALEIGH AND NCDOT STANDARDS AND SPECIFICATIONS

FOR REVIEW ONLY **NOT FOR CONSTRUCTION** 

ELECTRIC PEDESTAL \_\_\_\_\_ G \_\_\_\_ FIBER-OPTIC MARKER \_ \_ \_ \_ COMM-ABBREVIATIONS DB PB or BM PG. VALVE (WATER OR GAS) SF SANITARY SEWER MANHOLE AC. SANITARY SEWER CLEANOUT R/W**RIGHT-OF-WAY** STORM CURB INLET EXISTING FX. DRAINAGE INLET (W/ GRATE) DROP INLET (STORM) D.I. STORM DRAIN MANHOLE

PPROVED MASTER PLAN

Town of Knightdale

**Development Services** 

Gideon Smith 03/26/2025

— — — — SD — \_\_\_\_ \_\_ \_\_ UE\_\_\_\_ PLAT BOOK / BOOK OF MAPS PAGE SQUARE FEET ACRES

C.I.

BG

O/H

FENCE OVERHEAD UTILITY WATERLINE (BLUE PAINT) SANITARY SEWER STORM DRAIN GAS LINE (YELLOW PAINT) COMMUNICATIONS / FIBER (ORANGE PAINT) DEED BOOK

CURB INLET (STORM)

BOVE-GROUND

**BELOW-GROUND** 

OVERHANG

UNDERGROUND ELECTRIC (RED PAINT)

DEPARTMENT STANDARDS SITE LAYOUT NOTES:

1. ALL CONSTRUCTION AND EXCAVATION SHALL BE CONFINED TO THE LIMITS OF CONSTRUCTION, AND SHALL BE DONE IN ACCORDANCE WITH THE TOWN OF KNIGHTDALE, CITY OF RALEIGH, NCDOT, & NCDEQ STANDARDS AND SPECIFICATIONS. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT, EDGE OF SIDEWALK, FACE OF CURB, CENTERLINE OF COLUMN AND FACE

OF BUILDING WALL, UNLESS OTHERWISE NOTED. ALL RADII DIMENSIONS TO BACK OF CURB. ALL PAINT STRIPING, PAVEMENT MARKINGS, AND SIGNAGE SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" OR AS REQUIRED IN SPECIFICATIONS.

4. ALL STRIPING SHALL BE 4" WIDE UNLESS NOTED OTHERWISE.

5. ALL RADII TO BE 3'-0" BOC UNLESS OTHERWISE NOTED.

6. VERIFY ALL SETBACKS WITH LOCAL CODES.

7. A SEPARATE PERMIT AND APPROVAL IS REQUIRED FOR SIGNS. 8. ALL CURB RAMPS SHALL HAVE A DETECTABLE WARNING COMPLYING WITH SECTIONS 4.7.7 AND 4.29.2 OF THE ADA ACCESSIBILITY GUIDELINES

9. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS FOR THE INSTALLATION OF TRAFFIC SIGNAGE AND

PAVEMENT MARKINGS AS SHOWN ON THE CONSTRUCTION PLANS.

10. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. 11. DETECTABLE WARNINGS ARE REQUIRED AT ANY CROSSWALK, OR ISLAND CUT THRU, WHERE THERE IS NOT CHANGE IN ELEVATION (I.E. RAMP NOT PROVIDED).

ON UNIFORM TRAFFIC CONTROL" FOR LOW SPEED URBAN CONDITIONS.

12. NEW WHITE PAINT DIRECTIONAL ARROWS SHALL BE IN ACCORDANCE WITH LATEST REQUIREMENTS OF THE "MANUAL 13. CONTACT THE NORTH CAROLINA ONE CALL CENTER PRIOR TO DOING ANY DIGGING. 1-800-632-4949

14. ALL ROOF DRAINS SHALL BE DIRECTED TO STORM DRAIN SYSTEM. EMERGENCY VEHICLES THROUGHOUT PROJECT DURATION.

15. ALL TRAFFICWAYS, INCLUDING DRIVEWAYS, ALLEYWAYS, ETC., SHALL REMAIN ACCESSIBLE TO RESIDENTIAL AND

16. EXISTING ASPHALT AND CONCRETE STREETS AND CURB AND GUTTER SHALL BE RESTORED TO MATCH ORIGINAL CONDITIONS PRIOR TO CONSTRUCTION

17. GENERAL CONTRACTOR TO REFER TO THE MOST CURRENT ARCHITECTURAL PLANS FOR THE EXACT LOCATION OF UTILITY ENTRANCES, BUILDING DIMENSIONS, ROOF LEADERS, EXIT DOORS AND EXIT RAMPS.

18. THE CONTRACTOR SHALL REMOVE, PRESERVE, AND RESET ALL FENCES, POSTS, CULVERTS, SIGNS, STREET MARKERS, MAILBOXES, AND THE LIKE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENTS. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE.

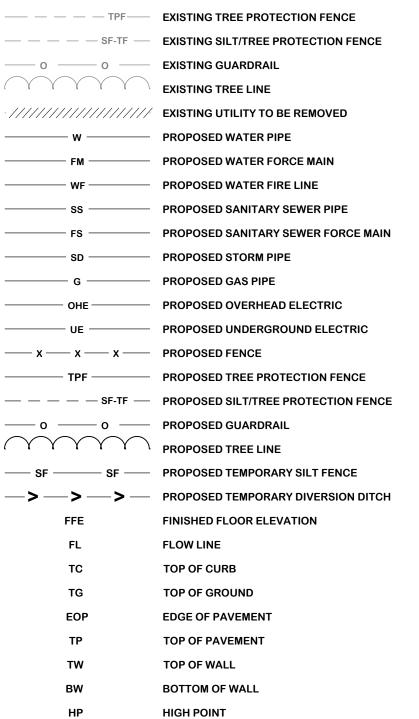
19. PERMANENT AND TEMPORARY SIGNAGE REQUIRES AN APPROVED SIGN PERMIT PRIOR TO INSTALLATION. SIGNAGE IS A SEPARATE SUBMITTAL, REVIEW, AND APPROVAL PROCESS BY THE DEVELOPMENT SERVICES DEPARTMENT.

**GRADING NOTES:** 

1. ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS PREPARED BY PABST DESIGN GROUP, PA, THE CURRENT REQUIREMENTS OF WAKE COUNTY, THE APPLICABLE SECTIONS OF THE NCDOT STANDARD SPECIFICATIONS

**BLOCK AND GRAVEL INLET PROTECTION** SILT FENCE OUTLET CONCRETE WASHOUT LINETYPES \_\_\_\_ x \_\_\_\_ x \_\_\_\_ x \_\_\_\_ — — — — — OHE— — — — — SS —

# LOW POINT FLOW DIRECTION



LEGEND

----- LOC --- LIMITS OF CONSTRUCTION

- - - - - UKN UTIL - EXISTING UNKNOWN UTILITY

----- COMM---- EXISTING COMMUNICATIONS

---- LOD/LOC - LIMITS OF DISTURBANCE & CONSTRUCTION

EXISTING CATV

EXISTING TELEPHONE

EXISTING FIBER OPTIC

EXISTING WATER PIPE

EXISTING STORM PIPE

EXISTING GAS PIPE

EXISTING WATER FORCE MAIN

EXISTING SANITARY SEWER FORCE MAIN

EXISTING UNDERGROUND ELECTRIC

EXISTING WATER FIRE LINE

\_\_\_\_ \_ \_ \_ UT\_\_\_\_

— — — — — CTV —

\_\_\_\_\_ FO\_\_\_\_

\_\_\_\_\_ FM\_\_\_\_

\_\_\_\_\_\_WF \_\_\_\_

\_\_\_\_ \_ \_ \_ FS \_\_\_\_

\_\_\_\_\_SD\_\_\_\_

\_\_\_\_\_ G \_\_\_\_

\_\_\_\_ UE\_\_\_\_

\_\_\_\_ \_ \_ \_ \_ TPF\_\_\_\_

 $( \gamma \gamma \gamma \gamma \gamma \gamma)$ 

\_\_\_\_\_ W \_\_\_\_\_

\_\_\_\_\_ FM \_\_\_\_\_

\_\_\_\_\_ WF \_\_\_\_\_

\_\_\_\_\_ FS \_\_\_\_\_

\_\_\_\_\_ G \_\_\_\_\_

- OHE -

\_\_\_\_\_ TPF \_\_\_\_\_

FFE

FL

тс

FOF

SYMBOLS

SURVEY LEGEND and NOMENCLATURE

NEW IRON PIPE

CABLE VAULT

PROPANE TANK

GAS METER

WATER METER

FIRE HYDRANT

UTILITY POLE

LAMP POST

SIGNAL POLE

GUY WIRE

SIGN POST

HVAC

 $\bowtie$ 

 $\bigcirc$ 

-()-

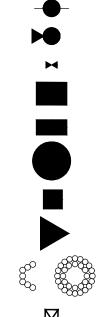
CALCULATED POINT

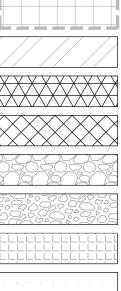
TELEPHONE PEDESTAL

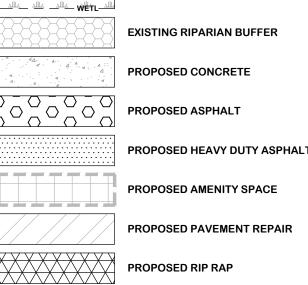
EX. IRON PIPE/ROD OR NAIL

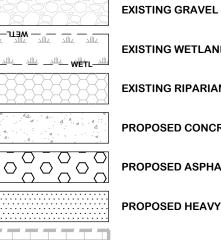
EXISTING CONCRETE MONUMENT

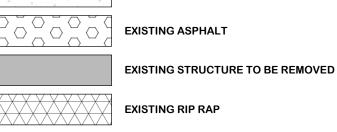
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**EXISTING ASPHALT** 

**EXISTING CONCRETE** 

EXISTING VEGETATION

EXISTING WETLANDS

PROPOSED ASPHALT

PROPOSED AMENITY SPACE

PROPOSED TREE PRESERVATION

PROPOSED CONSTRUCTION ENTRANCE

PROPOSED GRAVEL

7-DAY STABILIZATION

14-DAY STABILIZATION

**PROPOSED SS MANHOLE** 

PROPOSED SS CLEANOUT

PROPOSED METER VAULT

PROPOSED SW MANHOLE

PROPOSED SW FLARED END SECTION

PROPOSED VALVE

PROPOSED HOTBOX

PROPOSED SW INLET

PROPOSED FIRE HYDRANT ASSEMBLY

PROPOSED BLOW OFF ASSEMBLY

## SURVEY NOTES:

# COMPUTED BY COORDINATE GEOMETRY

- 3. FIELD SURVEY PERFORMED FEBRUARY 1 THRU 6, 2023.
- SEARCH MAY DISCLOSE

(FIRM) #3720175400K. EFFECTIVE DATE JULY 19, 2022. THE STATE PLANE COORDINATES FOR THIS PROJECT WERE PRODUCED WITH RTK GPS OBSERVATIONS AND PROCESSED USING THE NORTH CAROLINA VRS NETWORK. THE NETWORK POSITIONAL ACCURACY OF THE DERIVED POSITIONAL INFORMATION IS ± 0.07

# **DEMOLITION NOTES:**

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL LOCAL AND STATE PERMITS REQUIRED FOR DEMOLITION WORK. 2. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND/OR ENGINEER FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT, AND/OR EXISTING FACILITIES IN THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS

EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE AND DO NOT INCLUDE MECHANICAL, ELECTRICAL AND MISCELLANEOUS STRUCTURES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THE DEMOLITION WORK FOR THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT THAN THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.

4. ALL EXISTING ABOVE AND BELOW GROUND STRUCTURES WITHIN THE LIMITS OF NEW CONSTRUCTION SHALL BE RAZED UNLESS NOTED OTHERWISE WITHIN THIS CONSTRUCTION SET, ARCHITECTURAL PLANS AND/OR PROJECT SPECIFICATIONS. THIS INCLUDES FOUNDATION SLABS, WALLS, AND FOOTINGS.

APPROPRIATE UTILITY COMPANY

7. THE BURNING OF CLEARED MATERIAL AND DEBRIS SHALL NOT BE ALLOWED UNLESS CONTRACTOR GETS WRITTEN AUTHORIZATION FROM THE LOCAL AUTHORITIES.

INITIATION OF DEMOLITION ACTIVITIES.

AT NO ADDITIONAL COST TO THE OWNER.

12. CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE, FEDERAL, AND OSHA REGULATIONS WHEN OPERATING DEMOLITION EQUIPMENT AROUND UTILITIES.

ACTIVITIES.

DISPOSITION.

FROM DAMAGE.

16. EXISTING PAVEMENT, CURB AND GUTTER, SIDEWALK, ETC. NOT INDICATED FOR REMOVAL, WHICH IS DAMAGED DURING DEMOLITION/CONSTRUCTION, SHALL BE REPAIRED OR REPLACED TO MATCH ORIGINAL CONDITION. 17. SALVAGEABLE FILL MATERIALS FROM SITE DEMOLITION DETERMINED TO BE ACCEPTABLE BY AN INDEPENDENT SOILS

CONSTRUED AS INFORMATION ONLY.

19. ALL PIPE INSTALLATION, WHEN REQUIRED BY PIPE DEPTHS AND EXCAVATION, SHALL BE PERFORMED WITH THE USE OF TRENCH BOXES. ALL EXCAVATIONS, UTILITY AND GRADING WORK, SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL RULES AND REGULATIONS.

1. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES IN U.S. SURVEY FEET UNLESS OTHERWISE NOTED. AREA(S)

2. THIS SURVEY DOES NOT INCLUDE NOR DEPICT ANY ENVIRONMENTAL EVALUATIONS. NO INVESTIGATION INTO THE EXISTENCE OF WETLANDS OR RIPARIAN BUFFERS PERFORMED IN THE PREPARATION OF THIS SURVEY.

SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE EVIDENCE OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE

5. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON (IF ANY) ARE BASED ON ABOVEGROUND STRUCTURES AND ABOVEGROUND VISUAL EVIDENCE ONLY LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATION SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS NERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES.

6. SUBJECT PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD ZONE PER FEMA FLOOD INSURANCE RATE MAP

5 ALL DEMOLITION WASTE AND CONSTRUCTION DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.

6. ALL UTILITY REMOVAL, RELOCATION, CUTTING, CAPPING AND/OR ABANDONMENT SHALL BE COORDINATED WITH THE

8. MUNICIPAL AND UTILITY CONTACTS ARE LISTED ON COVER SHEET C-0.0.

9. EROSION AND SEDIMENTATION CONTROL MEASURES AROUND AREAS OF DEMOLITION SHALL BE INSTALLED PRIOR TO

10. ASBESTOS OR HAZARDOUS MATERIALS, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIALS CONTRACTOR, CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY IF HAZARDOUS MATERIALS ARE ENCOUNTERED.

11. CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS, AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED, CONTRACTOR SHALL HAVE DISTURBED ITEMS RESET BY A LICENSED SURVEYOR

13. CONTRACTOR SHALL PROTECT AT ALL TIMES ADJACENT STRUCTURES AND ITEMS FROM DAMAGE DUE TO DEMOLITION 14. ALL DEMOLITION WORK SHALL BE PERFORMED WITH "DUE CARE AND DILIGENCE" SO AS TO PREVENT THE ARBITRARY

DESTRUCTION OR INTERRUPTION OF CONCEALED UTILITIES WHICH ARE INTENDED TO REMAIN IN USE AND THE ROUTING OF WHICH COULD NOT BE PREDETERMINED UNTIL DEMOLITION WAS STARTED. ALL SUCH DISCOVERIES OF UTILITIES DURING THE DEMOLITION PROCESS WHICH ARE IN A LOCATION DIFFERENT FROM THAT INDICATED OR ARE UNIDENTIFIED, SHALL BE REPORTED TO THE OWNER, ENGINEER AND ARCHITECT BEFORE REMOVAL FOR FINAL

15. ALL UTILITIES OR STRUCTURES NOT DESIGNATED FOR REMOVAL OR MODIFICATION ARE TO REMAIN AND BE PROTECTED

TESTING LABORATORY SHALL BE UTILIZED FOR FILL MATERIAL WHERE APPROPRIATE. 18. ANY NOTE, OR REFERENCE TO ANY ELEMENT, WHICH DOES NOT SPECIFY ACTION BY THE CONTRACTOR SHALL BE

20. THE GENERAL CONTRACTOR SHALL PROVIDE ALL SAFETY AND SECURITY FENCING, BARRIERS, PROTECTION MATERIAL AND METHODS AS REQUIRED TO COMPLETE ANY OFF SITE WORK IN A SAFE AND TIMELY MANNER.

21. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. 22 LINEESS OTHERWISE NOTED ALL EXISTING VEGETATION TO REMAIN AND TO BE LINDISTURBED FOR THE DURATION OF

CONSTRUCTION. IF DAMAGES OCCUR TO EXISTING VEGETATION, PLANTS SHALL BE REPLACED IN KIND. 23. ANY EXISTING WELLS AND/OR SEPTIC SYSTEMS SHALL BE ABANDONED IN ACCORDANCE WITH WAKE COUNTY HEALTH

FOR ROADWAY CONSTRUCTION, AND ALL OTHER PERTINENT FEDERAL AND STATE LAWS.

- 2. ALL EXISTING TREES, VEGETATION, PAVEMENTS, CONCRETE FOUNDATIONS, STRUCTURES AND ORGANIC 1 SHALL BE STRIPPED AND REMOVED FROM NEW CONSTRUCTION AREAS UNLESS OTHERWISE NOTED.
- 3. ALL AREAS NOT PAVED SHALL BE TOPSOILED, SEEDED, MULCHED OR LANDSCAPED UNLESS OTHERWISE NOTED CONSTRUCTION DRAWINGS, SITE SPECIFICATIONS OR INSTRUCTED BY THE OWNER. 4. CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR DISPOSAL OF ALL WASTE MATERIALS OFF SITI
- RESPONSIBILITY SHALL INCLUDE ALL REQUIRED APPROVALS AND CONDITIONS DICTATED BY WAKE COUNTY 5. ALL OPEN STORM DRAIN PIPES SHALL BE PROTECTED WITH STONE FILTER PROTECTION AFTER STOPPAGE OF
- EACH DAY 6. CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINED IN THE GENERAL NPDES PERM STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- 7. IF AN OFFSITE SOIL SPOIL OR BORROW SITE IS UTILIZED, THEN THE DISTURBED AREA FOR THE SPOIL/BORRO MUST BE INCLUDED IN THE LAND-DISTURBANCE PLAN AND PERMIT UNLESS THE SPOIL/BORROW SITE ALREADY LAND-DISTURBANCE PERMIT.
- 8. CONTRACTOR TO PROVIDE SHOP DRAWINGS ON ALL STORM SEWER MANHOLES AND INLETS.
- 9. BOUNDARY AND TOPOGRAPHIC SURVEY PROVIDED BY NEWCOMB LAND SURVEYORS, PLLC DATED FEBRUARY 6TH
- 10. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMA 11. CONTRACTOR SHALL FIELD VERIFY EXISTING TOPOGRAPHY IN RELATION TO THE PROPOSED GRADES TO E
- DRAINAGE IN THE DIRECTION INDICATED ON PLANS. 12. INITIATE CONSTRUCTION SEQUENCE BEFORE BEGINNING CLEARING AND GRADING ON-SITE OPERATIONS.
- 13. STRIP TOPSOIL TO FULL DEPTH IN AREAS TO BE GRADED.
- 14. MAXIMUM GRADED SLOPE SHALL NOT EXCEED 2:1, UNLESS OTHERWISE NOTED.
- 15. AREAS TO BE GRADED SHALL BE CLEARED OF ALL EXISTING VEGETATION. CONTRACTOR TO PROTECT VEGE LOCATED BEYOND GRADING LIMITS.
- 16. COMPACT ALL FILL AREAS TO 95% OF MAXIMUM DENSITY, OR PER GEOTECHNICAL RECOMMENDATIONS
- 17. PROPOSED SPOT ELEVATIONS ARE SHOWN AT FINISHED GRADED.
- 18. ALL 2:1 SLOPES TO BE STABILIZED WITH TURF REINFORCEMENT MAT PER MANUFACTURER'S RECOMMEND SLOPES TO BE SEEDED W/ COASTAL SLOPE SHIELD MIX SUMMER/SPRING OR FALL/WINTER BLEND DEPEND SEASON. CONTACT ACF ENVIRONMENTAL FOR SPECIFICATIONS AT 1-800-448-3636.
- 19. THE PLACEMENT OF ANY FILL MATERIAL MUST BE CONDUCTED UNDER THE OBSERVATION OF A QUALIFIED LIC GEOTECHNICAL ENGINEER. AND UPON COMPLETION OF THE EARTHWORK ACTIVITIES. THE TOWN MUST BE PR WITH A FINAL GRADING REPORT THAT INCLUDES THE CORRESPONDING COMPACTION TEST RESULTS, AND CE THE TYPE OF FILL MATERIAL AND ITS PROPER PLACEMENT.

### **GENERAL UTILITY NOTES:**

- 1. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS PREPARED BY PABST DESIGN GROUP. CURRENT REQUIREMENTS OF THE CITY OF RALEIGH, THE APPLICABLE SECTIONS OF THE NCDOT STA SPECIFICATIONS FOR ROADWAY CONSTRUCTION AND ALL OTHER PERTINENT FEDERAL AND STATE LAWS.
- 2. THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROV AND POLICIES GOVERNING SAFETY AND HEALTH. INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBL 91-54), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE P IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF A BID, SUBMISSION OF A BID SHALL BE CONSTRUED T THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.
- BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHO THE CONTRACTOR SHALL NOTIFY N.C. 811 AT "811 OR 1-800-632-4949". THE LOCATION OF ALL UTILITIE UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERG STRUCTURES.
- 5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BID AND PERFORM ALL UTILITY WORK IN COMPLIANCE APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH THE INSTALLATION, INSPECTING, 1 AND FINAL ACCEPTANCE OF ALL PROPOSED UTILITIES CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITY COMPANY ON THE ADDITION, REMOVAL RELOCATION OF UTILITIES AND UTILITY POLES AND THE EXTENSION OF ALL PROPOSED UTILITIES TO RADISSON H
- ALL UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE UTILITY CO IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL UTILITIES ARE INSTALLED CORRECTLY TO PROJECT REQUIREMENTS WHETHER PERFORMED BY THE CONTRACTOR OR NOT.
- 9. AN AS-BUILT DRAWING OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED OWNER UPON COMPLETION OF THE PROJECT.
- 10. CONDUIT LOCATIONS TO SIGNS AND SITE LIGHT POLES TO BE COORDINATE WITH OWNER.
- 11. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMA 12. CONTRACTOR SHALL VERIFY ALL ILLUSTRATED UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTI ENGINEER IF CONFLICTS ARE ENCOUNTERED.
- 13. ALL CITY OF RALEIGH UTILITY CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF R STANDARD SPECIFICATIONS AND DETAILS IN EFFECT AT TIME OF UTILITY PERMITTING. 14. GREASE INTERCEPTOR SIZING AND DETAILS ARE TO BE INCLUDED WITH BUILDING CONSTRUCTION PLUMBING PI
- PLUMBING PERMIT WILL BE REQUIRED FOR INSTALLATION OF THE GREASE INTERCEPTOR AND ANY ASSO PLUMBING SEWER LATERAL IF INSTALLED DURING THE SITE DEVELOPMENT PHASE OF CONSTRUCTION.
- APPROVAL AND PERMITTING OF THIS UTILITY PLAN COVERS PUBIC INFRASTRUCTURE ONLY. WHILE PRIVATE MAINS MAY BE SHOWN HEREON FOR REFERENCE, THEY ARE ALLOWED ONLY AFTER OBTAINING A SEPARATE PER PRIVATE UTILITIES.

### **CITY OF RALEIGH UTILITY NOTES:**

ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STAN DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION)

- 2. UTILITY SEPARATION REQUIREMENTS: a. A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LA SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALI WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A F WELL OR 50' FROM A PUBLIC WELL.
- b. WHEN INSTALLING WATER &/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BI THIS SEPARATION CANNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE VARIATION ALLOWED IS THE MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18" ABOVE THE TOP SEWER & MUST BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR. ALL DISTANCES ARE MEASURED FROM C DIAMETER TO OUTSIDE DIAMETER
- c. WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES WATERMAIN, DIP MATERIALS OR STEEL ENCASEMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SP & INSTALLED TO WATERLINE SPECIFICATIONS.
- d. 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FAC UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER.
- e. MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATERMAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPAR CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE (PER C DETAILS W-41 & S-49).
- f. ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VE SEPARATION REQUIRED
- 3. ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION. CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSI
- THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED I HOUR ADVANCE NOTICE TO THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT.
- 5. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCEMAINS. 4.0' MINIMUM COVER IS REQUI ALL REUSE MAINS. 6. IT IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT
- USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY THE CITY OF RALEIGH PUBLIC U DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR EASEME CORPUD HANDBOOK PROCEDURE.
- INSTALL WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A WATERLINE EASEMENT IMMED ADJACENT. NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO PROPERLY SIZE THE WATER SERVICE FOR CONNECTION TO PROVIDE ADEQUATE FLOW & PRESSURE.
- 8. INSTALL 4" 8" PVC\* SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMEI & SPACED EVERY 75 LINEAR FEET MAXIMUM.
- PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI; BACKWATER VALV REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE.

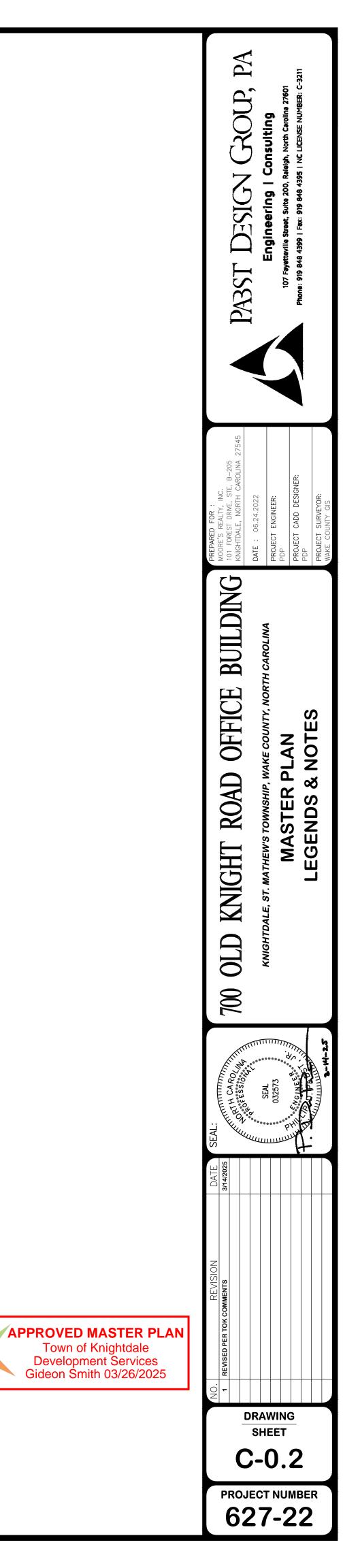
	10. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE &/OR FEMA FOR	A
TOPSOIL	ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION.	
ED IN THE	EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION. 12. CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON DEGREE OF HEALTH HAZARD	COUP, cing carolina 27601 se number: c
ite. This	INVOLVED AS LISTED IN APPENDIX-B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA. THESE GUIDELINES ARE THE MINIMUM REQUIREMENTS. THE DEVICES SHALL MEET AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARDS OR BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST. THE DEVICES	A North Carolina 276 C LICENSE NUMBER:
OF WORK	SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. CONTACT JOANIE HARTLEY AT (919) 996-5923 OR joanie.hartley@raleighnc.gov FOR MORE INFORMATION.	
RMIT FOR ROW SITE	GENERAL PLANTING NOTES:	
DY HAS A		
TH, 2023.	2. PLANT LIST QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. IN THE EVENT OF QUANTITY DISCREPANCIES, THE DRAWINGS SHALL TAKE PRECEDENCE.	
MATION.	3. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER OR LANDSCAPE DESIGNER.	O7 FayettevII
ENSURE	4. CONTRACTOR SHALL HAVE UTILITY COMPANY LOCATE ALL UTILITIES PRIOR TO DIGGING. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES INCURRED BY HIS/HER WORK.	Phone
	5. METHODS OF TREE STAKING INDICATED ON THE DRAWINGS ARE SUGGESTIONS ONLY. THE LANDSCAPE CONTRACTOR SHALL USE WHATEVER METHOD HE DEEMS FIT, HOWEVER HE WILL BE HELD LIABLE FOR ANY DAMAGES CAUSED TO TREES BY IMPROPER STAKING METHODS (OR ABSENCE OF STAKING) AND IS RESPONSIBLE FOR UPRIGHTING AND REPLANTING TREES WHICH ARE BLOWN OVER.	
GETATION	6. ALL AREAS NOT SHOWN AS HARD SURFACES, PLANT BED, MULCHED OR UNDISTURBED AREAS, SHALL BE SEEDED OR SODDED AS LAWN WITH BERMUDA GRASS.	
	<ol> <li>ALL LANDSCAPE BEDS CONTAIN TRIPLE SHREDDED HARDWOOD MULCH AT A THICKNESS OF 3".</li> <li>ALL LANDSCAPE BEDS SHALL HAVE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.</li> </ol>	
DATIONS.	9. ALL PLANT BEDS SHALL BE TREATED WITH PRE-EMERGENT WEED CONTROL (I.E. TREFLON GRANULES).	
IDING ON	10. ALL PLANTS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN ASSOCIATION OF NURSERYMEN AND SHALL BE VIGOROUS, HEALTHY MATERIAL FREE OF PESTS AND DISEASE.	27545
LICENSED PROVIDED CERTIFIES	11. VERIFICATION OF TOTAL QUANTITIES AS SHOWN ON THE PLANT LIST SHALL BE THE RESPONSIBILITY OF THE PLANTING CONTRACTOR, AND THE TOTAL QUANTITIES SHALL BE REQUIRED ON THE PLANTING PLAN.	. B-205 AROLINA IER:
	12. OWNERS SHALL MAINTAIN ALL PLANT BEDS AND PLANT MATERIAL IN GOOD HEALTH, AND ANY DEAD, UNHEALTHY OR MISSING PLANTS SHALL BE REPLACED WITH THE SAME PLANT MATERIAL ORIGINALLY SPECIFIED ON THIS PLAN.	D FOR : REALTY, INC. ST DRIVE, STE. B- LE, NORTH CARO D6.24.2022 ENGINEER: CADD DESIGNER: SURVEYOR: UNTY GIS
	<ol> <li>PLANT MATERIAL ON THIS SITE MUST BE INSTALLED IN CONFORMANCE WITH THE GENERAL PLANTING NOTES AND DETAILS ON THIS PLAN OR TO THE STANDARDS OF THE TOWN OF KNIGHTDALE.</li> <li>AND AND AND AND AND AND AND AND AND AND</li></ol>	ARED FOR Re'S REALT FOREST DRI HTDALE, NU : 06.24.1 IECT ENGIN IECT ENGIN IECT SURVE
P, PA, THE TANDARD	14. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED PERMITS AND LICENSES TO PERFORM THE REQUIRED WORK.	PREPAREL MOORE'S 101 FORE KNIGHTDA DATE : ( PROJECT PDP PROJECT PDP PROJECT
DVISIONS, BLIC LAW D HEALTH	15. FOUNDATION PLANTINGS WILL BE PLANTED ALONG BUILDING FOUNDATIONS THAT FACE A STREET. 16. ALL LANDSCAPING WILL BE MAINTAINED IN PERPETUITY.	IJ
PROJECT TO MEAN	17. ALL HOTBOXES AND OTHER ON GROUND/FREE STANDING MECHANICAL EQUIPMENT SHALL BE SCREENED WITH DENSE EVERGREEN VEGETATION AT LEAST THE HEIGHT OF THE EQUIPMENT PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.	DING
E. HORITIES. TIES AND Y OF THE	18. WITHIN THE SIGHT TRIANGLE NOTHING SHALL BE ERECTED, PLACED, PLANTED, OR ALLOWED TO GROW IN SUCH A MANNER AS TO IMPEDE THE SIGHT VISION AT THE INTERSECTION AND THE MAXIMUM HEIGHT OF ANY MATERIAL SHALL NOT EXCEED 3 ½ FEET, IN ACCORDANCE WITH THE NCDOT'S STANDARDS AS APPLICABLE.	ROAD OFFICE BUILI TOWNSHIP, WAKE COUNTY, NORTH CAROLINA STER PLAN NDS & NOTES
RGROUND	E&S CONSTRUCTION SEQUENCE - PHASE 1:	
E TO ALL	<ol> <li>SCHEDULE AN INITIAL PRE-CONSTRUCTION CONFERENCE WITH THE TOWN OF KNIGHTDALE.</li> <li>OBTAIN A LAND-DISTURBANCE PERMIT.</li> </ol>	OFFICI KE COUNTY, NO AN JOTES
, TESTING	3. OBTAIN AN APPROVED (STAMPED) E&S CONTROL PLAN AND KEEP IT ON SITE, EITHER IN THE INSPECTION BOX, CONSTRUCTION OFFICE OR WITH THE CONTRACTOR.	
L AND/OR HOTEL.	4. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION TO AVOID CONFLICT DURING GRADING OPERATION. CONTRACTOR SHALL CALL 1-800-632-4949 N.C. "ONE CALL" PRIOR TO DIGGING	
COMPANY. TO MEET	TO LOCATE ALL EXISTING UNDERGROUND UTILITIES ON SITE. 5. INSTALL ALL PERIMETER CONTROLS AS SHOWN ON THE APPROVED PLANS, CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES. CLEARING SHOULD BE LIMITED TO A 35' "RIBBON" AROUND PERIMETER TO INSTALL CONTROLS. NO GRADING OR EXCAVATION SHOULD OCCUR.	ROAD TOWNSHIP, V STER F SNDS &
DIOTIE	<ol> <li>SCHEDULE AN ONSITE PRE-CONSTRUCTION MEETING WITH THE TOWN OF KNIGHTDALE TO INSPECT THE INSTALLED PERIMETER CONTROLS.</li> </ol>	ы м 🖌 Ш
MATION.	<ol> <li>IF APPROVED, PROCEED WITH INSTALLING OTHER MEASURE AS SHOWN ON THE APPROVED PLANS. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES.</li> </ol>	GHT MATHEW M/ LEGI
TIFY THE	8. CALL TOWN OF KNIGHTDALE EROSION CONTROL INSPECTOR TO SCHEDULE AN ONSITE INSPECTION AND OBTAIN A CERTIFICATE OF COMPLIANCE.	KNIGI Ale, st. mati
RALEIGH	9. BEGIN CLEARING AND GRUBBING. MAINTAIN DEVICES AS NEEDED. ROUGH GRADE SITE.	ALE, S
PLANS. A SOCIATED	10. INSTALL STORM SEWER, IF SHOWN, AND PROTECT INLETS WITH SUITABLE EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN IN THE APPROVED PLANS. BEGIN CONSTRUCTION, BUILDING, ETC.	LD K KNIGHTDALE
E UTILITY RMIT FOR	11. STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, DITCH LININGS, ETC. SEED AND MULCH DENUDED AREAS PER GROUND STABILIZATION TIME FRAMES.	OU
	12. GRADING FOR PHASE 1 S&E WILL BE CONDUCTED AS NECESSARY TO ACHIEVE SITE GRADES SHOWN ON SHEETS C-4.0 AND C-5.1, INCLUDING RETAINING WALLS TO THE EXTENT POSSIBLE.	00/
	13. CUT AND FILL SLOPES WILL BE STABILIZED WITHIN 14 DAYS OF ANY PHASE OF GRADING. (SEE STABILIZATION CRITERIA ON SHEET D-4.1).	×
ANDARDS,	14. INSTALL CURB AND GUTTER, CABC STONE, AND SIDEWALK IN ALL HARDSCAPE AREAS. 15. STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION AND PAVING, ESTABLISH GROUND	
R SUPPLY LATERAL	COVER ON DENUDED AREAS WITH FOURTEEN (14) DAYS OF COMPLETION OF PROJECT. 16. IF IT IS DETERMINED DURING CONSTRUCTION THAT SIGNIFICANT SEDIMENT IS LEAVING THE SITE, DESPITE PROPER	ROLING CONTRACTOR
ALLED TO A PRIVATE	IMPLEMENTATION AND MAINTENANCE, THE CONTRACTOR IS OBLIGATED TO TAKE ADDITIONAL CORRECTIVE ACTION. 17. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THE EROSION CONTROL DEVICES SO THEY CONTINUE TO FUNCTION	TH CARO
BE 10'. IF IE WATER P OF THE OUTSIDE	E&S CONSTRUCTION SEQUENCE - PHASE 2:	SEAL:
OVER A	1. REFER TO SHEET C-5.0 IN THIS PLAN SET FOR PHASE 1 E&S OPERATIONS PRIOR TO BEGINNING THIS CONSTRUCTION SEQUENCE AND INSTALLATION OF MEASURES ON SHEET C-5.1.	ATE 22025
SPECIFIED	2. CONTINUE BRINGING THE SITE TO FINAL GRADES, INSTALLING UTILITIES AND RETAINING WALL AT THE SAME TIME AS NECESSARY. CONTACT TOWN OF KNIGHDALE INSPECTOR FOR INSPECTION.	DATE 3/14/2021
ACILITIES, N 24" MIN. ARATIONS	3. AS PERMANENT STORMWATER PIPES AND STRUCTURES ARE INSTALLED, INSTALL INLET PROTECTION AND PLUG THE PIPES UNTIL THE MAJORITY OF THE SITE IS STABILIZED. PERIODICALLY OR AFTER LARGE RAIN EVENTS, PUMP OUT WATER AND SEDIMENT (FROM ANY STORM STRUCTURES THAT RECEIVED WATER AND SEDIMENT PAST THE INLET	
CORPUD	<ul> <li>PROTECTION) INTO SILT BAG AND DISPOSE OF APPROPRIATELY.</li> <li>4. CUT AND FILL SLOPES WILL BE STABILIZED WITHIN 14 DAYS OF ANY PHASE OF GRADING. (SEE STABILIZATION CRITERIA ON SHEET D-4 1)</li> </ul>	
VERTICAL	ON SHEET D-4.1). 5. FINISH INSTALL OF CURB AND GUTTER, CABC STONE, PAVEMENT AND SIDEWALK IN ALL HARDSCAPE AREAS, WHERE NECESSARY.	MENTS
E BY THE	NECESSARY. 6. STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION AND PAVING. ESTABLISH GROUND COVER ON DENUDED AREAS WITHIN FOURTEEN DAYS (14) DAYS OF COMPLETION OF PROJECT.	
SINESSES D BY A 24	<ol> <li>IF IT IS DETERMINED DURING CONSTRUCTION THAT SIGNIFICANT SEDIMENT IS LEAVING THE SITE, DESPITE PROPER IMPLEMENTATION AND MAINTENANCE, THE CONTRACTOR IS OBLIGATED TO TAKE ADDITIONAL CORRECTIVE ACTION.</li> </ol>	ED PER TOK
UIRED ON	8. WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL EROSION CONTROL INSPECTOR FOR AN INSPECTION.	REVISED
OT BEING UTILITIES MENT PER	9. IF SITE IS APPROVED, REMOVE TEMPORARY EROSION AND SEDIMENTATION MEASURES AND SEED OUT TO STABILIZE ANY RESULTING BARE AREAS.	
EDIATELY	10. BEFORE REMOVAL OF PLUGS TO ALLOW FOR THE NEW STORM CONVEYANCE SYSTEM TO TIE INTO THE DOWNSTREAM SYSTEM, THE NEW SYSTEM SHOULD BE FLUSHED AND SEDIMENT PUMPED OUT AND PROPERLY DISPOSED OF.	DRAWING SHEET
OR EACH	11. FINE GRADE THE FINAL PORTION OF THE SITE. SEED OR OTHERWISE STABILIZE ANY RESULTING BARE AREAS.	C-0.1
IENT LINE	<ol> <li>MAINTAIN ALL REMAINING SOIL AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.</li> <li>WHEN VEGETATION HAS BECOME ESTABLISHED (90% GERMINATION), CALL FOR A FINAL INSPECTION BY THE EROSION</li> </ol>	
LVES ARE PSTREAM	CONTROL INSPECTOR. OBTAIN A CERTIFICATE OF COMPLETION.	PROJECT NUMBER

627-22

	PROVIDE A PLAN DETAIL, CONSTRUCTION SPECIFICATIONS, AND SPECIFIC MAINTENANCE REQUIREMENTS FOR AL PROPOSED SEDIMENT AND EROSION CONTROL STRUCTURES INCLUDED ON THE PLAN. RECOMMEND PLACIN MAINTENANCE REQUIREMENTS WITH THE ASSOCIATED CONSTRUCTION DETAIL.
1	MAINTENANCE AND/OR CLEAN OUT, IS NECESSARY ANYTIME THE DEVICE IS AT 50% CAPACITY. ALL SEDIMENT STORAG MEASURES WILL REMAIN ON SITE AND FUNCTIONAL UNTIL ALL GRADING AND FINAL LANDSCAPING OF THE PROJECT COMPLETE.
 	AS DESIGNATED BY NCDEQ NCG01 PERMITTING, SELF-INSPECTIONS FOR EROSION AND SEDIMENTATION CONTROME MEASURES ARE TO BE PERFORMED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF EVER RAIN EVENT OF 1 INCH OR GREATER. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTIAN MEASURES A DESIGNED.
4. I	PROVIDE THE MINIMUM MAINTENANCE STANDARDS AS SPECIFIED BELOW:
4.1	<ul> <li>SURVEYOR FLAGS/TAPE/STAKES:</li> <li>REPLACE IDENTIFIERS IF DAMAGED OR KNOCKED DOWN DURING DEVELOPMENT.</li> <li>ENSURE KEY ENVIRONMENTAL AND/OR CULTURAL RESOURCES MAINTAIN IDENTIFIERS.</li> <li>COLORS SHOULD ADHERE TO THE APWA UNIFORM COLOR CODE. USE ACCEPTED SURVEY SYMBOLS AND ENSURE OPERATORS UNDERSTAND DESIGNATIONS. UTILITY LINE OWNERS/OPERATORS SHALL IDENTIFY THE DESIGNATING FIRM.</li> </ul>
4.2	. <u>PERMITS / NCG01 INSPECTIONS BOX:</u> - CONFIRM BOX IS SECURELY FASHIONS TO A POST OR WALL IN A VISIBLE LOCATION IN PROXIMITY TO THE CONSTRUCTION ENTRANCE. - MAINTAIN RELEVANT IDENTIFICATION ON THE EXTERIOR OF THE BOX. - ENSURE PAPER DOCUMENTS REMAIN DRY / LEGIBLE (LAMINATION, TICKET HOLDERS, BINDERS, ETC.)
	- REPLACE ANY MISSING DOCUMENTS IMMEDIATELY. CONSIDER PLACING TIES OR FASTENERS IF NECESSARY.
4.3	<ul> <li><u>RAIN GAUGE:</u></li> <li>CHECK AND REMOVE ANY ITEMS FROM THE RAIN FUNNEL AND THE DEBRIS FILTER (DUST, BUGS, OTHER DEBRIS.)</li> <li>OPEN THE RAIN GAUGE AND REMOVE ANY FOREIGN OBJECTS.</li> <li>PERFORM ROUTINE MAINTENANCE AS SPECIFIED BY THE MANUFACTURER.</li> <li>CHECK THAT THE GAUGE IS NOT BEING OBSTRUCTED FROM RAIN CAPTURE AND IS LEVEL BEFORE AND AFTER REASSEMBLY.</li> </ul>
4.4	<ul> <li><u>TREE PROTECTION FENCE:</u></li> <li>PRUNE ANY DAMAGED TREES. (IF) DAMAGE TO PROTECTED TREES OCCURS, REPAIR ANY DAMAGE TO THE CROWN, TRUNK, OR ROOT SYSTEM IMMEDIATELY.</li> <li>REPAIR ROOTS BY CUTTING OFF THE DAMAGED AREAS AND PAINTING THEM WITH TREE PAINT. SPREAD PEAT MOSS OF MOIST TOPSOIL OVER EXPOSED ROOTS.</li> <li>REPAIR DAMAGE TO BARK BY TRIMMING AROUND THE DAMAGED AREA, TAPER THE CUT TO PROVIDE DRAINAGE AND PAINT WITH TREE PAINT.</li> <li>CUT OFF ALL THE DAMAGED TREE LIMBS ABOVE THE TREE COLLAR AT THE TRUNK OR MAIN BRANCH. USE THREE</li> </ul>
	SEPARATE CUTS TO AVOID PEELING BARK FROM HEALTHY AREAS OF THE TREE.
4.5	<ul> <li><u>SILT FENCE:</u></li> <li>SHOULD THE FABRIC OF THE SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE PROMPTLY.</li> <li>REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUTS.</li> <li>REMOVE ALL THE FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.</li> </ul>
4.6	. <u>SILT FENCE OUTLET:</u> - FRESHEN STONE WHEN SEDIMENT ACCUMULATION EXCEEDS 6 INCHES. - KEEP MESH FREE OF DEBRIS TO PROVIDE ADEQUATE FLOW AND REPLACE STONE AS NEEDED TO FACILITATE DE-WATERING.
4.7	. <u>CONSTRUCTION ENTRANCE:</u> - MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH 2 INCH STONE. - IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.
4.8	. <u>INLET PROTECTION (PIPE / YARD / DROP / CURB):</u> - INSPECT INLET PROTECTIONS AND REMOVE SEDIMENT AFTER EACH RAIN EVENT. - KEEP FREE OF DEBRIS TO PROVIDE ADEQUATE FLOW AND IF PRESENT REPLACE STONE AS NEEDED TO FACILITATE DE-WATERING.
TO	WN OF KNIGHTDALE SCM PLANTING NOTES:
1	THE DAM STRUCTURE, INCLUDING FRONT AND BACK EMBANKMENT SLOPES, OF THE POND SHALL BE VEGETATED WI NON-CLUMPING TURF GRASS OR SOD. (CENTIPEDE/HYBRID-BERMUDA) 90% GERMINATION OF NON-CLUMPING TURF WI BE REQUIRED PRIOR TO FINAL CERTIFICATION FROM THE TOWN.
	THE VEGETATED SHELF SHALL BE PLANTED WITH A MINIMUM OF THREE DIVERSE SPECIES OF HERBACEOUS, NATIV VEGETATION AT A MINIMUM DENSITY OF 50 PLANTS PER 200 FEET OF SHELF AREA.
	CONTRACTOR TO WORK WITH SOILS SCIENTIST TO ENSURE SOILS ARE ADEQUATE TO SUPPORT PROP ESTABLISHMENT AND GROWTH OF THE AQUATIC PLANTINGS. CONTRACTOR TO AMEND SOILS AND INSTALL SOILS PLANT, SHRUB, AND TREE AREAS PER DETAILS, SOIL SPECIFICATIONS, NCDENR SPECIFICATION, AND SOIL SCIENTI RECOMMENDATIONS.
	ALL AQUATIC PLANTINGS ARE TO BE INSTALLED DURING THE APPROPRIATE TIME OF YEAR TO ENSURE SURVIVABILIT (LAST SPRING FROST AND THE FIRST FALL FROST)
5.	ALL DISTURBED AREAS AROUND THE OUTSIDE OF THE DEVICE SHALL BE SEEDED WITH A LAWN AREA SEED MIX (PI
6. I	SEEDING SPECIFICATIONS) NATIVE GRASSES, LEGUMES, CLOVERS, AND WILDFLOWERS. IF THE DEVICE WAS USED DURING CONSTRUCTION AS A SEDIMENT BASIN OR TRAP, THE BASIN MUST BE CLEANED OL GRADED, APPROPRIATE AREAS COVERED WITH 4" OF TOPSOIL AS SPECIFIED IN NOTE #2 ABOVE, AND VEGETATI WITHIN 14 DAYS OF THE COMPLETION OF CONSTRUCTION.
7. (	CONTRACTOR SHALL WATER ALL VEGETATION AND GRASS ON A WEEKLY BASIS AS NEEDED TO ENSURE GRASS AI PLANT SURVIVAL UNTIL AFTER THE SCM IS CERTIFIED AND ACCEPTED BY THE TOWN.
то	WN OF KNIGHTDALE SCM INSPECTION NOTES:
1.	WHEN SCHEDULING INSPECTIONS, PLEASE CALL THE PUBLIC WORKS ADMINISTRATIVE ASSISTANT AT (919) 217-2250.
1)	THE FOLLOWING PERSONNEL MUST BE PRESENT AT ALL INSPECTIONS: SITE SUPERVISOR
,	GEOTECH AS-BUILT CERTIFYING ENGINEER OR SOMEONE UNDER THEIR SUPERVISION
1)	THE FOLLOWING ITEMS MUST BE INSPECTED BY TOK STAFF DURING THE INSTALLATION OF ANY SCM WITH DAM: KEY TRENCH EXCAVATION PRINCIPAL SPILLWAY PIPE AND ASSOCIATED COMPONENTS: a. CONCRETE CRADLE b. ANTI-SEEP COLLAR
4)	c. SEEPAGE DIAPHRAGM OUTLET STRUCTURE ANTI-FLOATATION BALLAST ANY SITE-CONSTRUCTED REINFORCED CONCRETE STRUCTURES
	THE FOLLOWING ITEMS MUST BE INSPECTED BY TOK STAFF DURING THE INSTALLATION OF ANY SAND FILTERS OR BIORETENTION DEVICES <u>:</u> a. SUBGRADE OR CONSTRUCTED FOUNDATION b. OUTLET OR RISER IN COMBINATION WITH CONNECTING UNDERDRAINS c. FILTER MEDIA
F	d. DAM ITEMS ON PREVIOUS LIST IF APPLICABLE GEOTECHNICAL TESTING AND CERTIFICATION - ALL REPORTS ARE TO BE SUBMITTED WITHIN 30-DAYS OF DAM
(	COMPLETION. REQUIRED GEOTECHNICAL RECORDS INCLUDE: DAM EMBANKMENT MATERIAL COMPOSITION AND DENSITY TESTING MAP THAT LABELS ALL POINTS WHERE THE DAM AND DAM FOUNDATION AREAS WERE TESTED. DIGITAL PHOTOS SHOWING THE DAM FOUNDATION AREAS, THE RISER, THE PRINCIPAL SPILLWAY PIPE, THE CONCRETE CRADLE, THE SEEPAGE DIAPHRAGM, RELIEF DRAINS, ETC., BEING INSTALLED.
2)	
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## FOR REVIEW ONLY NOT FOR CONSTRUCTION

NOTE(s): ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH ALL TOWN OF KNIGHTDALE, CITY OF RALEIGH AND NCDOT STANDARDS AND SPECIFICATIONS.



BK0193	337PG01398	_	
		WAKE COUNTY, NC 49 TAMMY L. BRUNNER REGISTER OF DEEDS PRESENTED & RECORDED ON 05/18/2023 12:34:05	
		BOOK:019337 PAGE:01398 - 01402	/
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		Prepared by and Return to: Town of Knightdale 950 Steeple Square Court Knightdale, North Carolina 2754	5
	HIGHTDALES	TOWN OF KNIGHTDALE	
		950 Steeple Square Court • Knightdale, NC 27545 Office (919) 217-2242 • Fax (919) 217-2249	
	NORTH CAROLINA WAKE COUNTY		
	OR	DER GRANTING A VARIANCE	
	THE TOWN OF KNIGHTDALE		
	On the date listed below, the Knig following application:	ghtdale Board of Adjustment, held a public hearing to consider the	
	APPLICANT:	Morningstar Law Group	
	PROPERTY OWNERS:	Jackie Moore, Moore's Realty, Inc. (Formerly Owned by Greg and Angela Jones)	
	PROJECT NUMBER:	VAR-5-22	
	PROJECT LOCATION:	700 Old Knight Road	يىرى مىچە و قىد
Di ibri din Birmi.	WAKE COUNTY PIN:	1754-56-9791	a., stars Miridanaa
	BOARD OF ADJUSTMENT MEETING DATE:	October 25, 2022	
BK0193	337PG01401		
	NORTH CAROLINA WAKE COUNTY		
	IN WITNESS WHEREOF, the To the undersigned being all of the pr	own of Knightdale has caused this order to be issued in its name, ar roperty owners of the properties above described, do hereby accept iditions, as binding upon them and their successors in interest or	
	<i>.</i>		

Jackie Moore, Moore's Realty, Inc

ATTEST:

<u>Aleallu</u> Srulh Heather M. Smith, Town Clerk



I, Brittney Hunt , a Notary Public in and for said County and State, do hereby certify that Heather Smith \_\_\_\_, Town Clerk of

Knightdale, personally came before me this day and being by me duly sworn says that she knows the corporate seal of the Town of Knightdale and that the seal affixed to the foregoing instrument is the corporate seal of the Town of Knightdale, that <u>Heather Smith</u>, Town Clerk for the Town of Knightdale subscribed her name thereto; that the corporate seal of the Town of Knightdale was affixed thereto, all by virtue of an order of the Board of Adjustment and that said instrument is the act and deed of the Town of Knightdale.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this <u>167</u> day of \_\_\_\_\_, 2023.

Butterex Hos My Commission Expires: 11/11/2027 

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NOTAR . -----OUNT

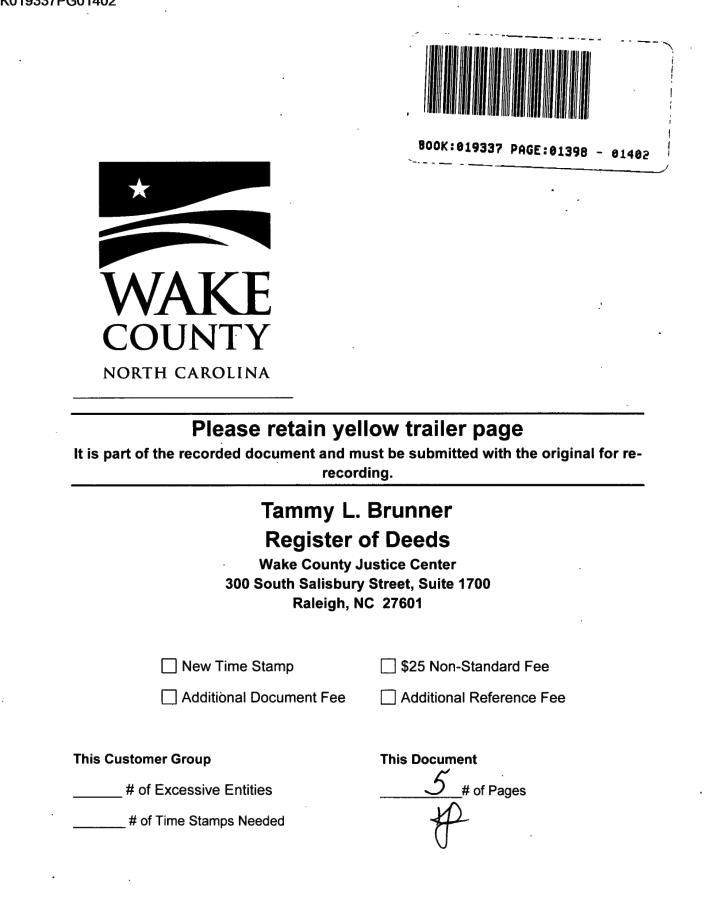
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2022 to re	d of Adjustment, for the Town of Knightdale held a public hearing on Tuesday, October 25, eccive evidence presented by interested parties on a request for variance from the Knightdale evelopment Ordinance.
	d of Adjustment, having considered the verified application, the staff reports, and the , exhibits, and arguments presented at the public hearing, makes the following FINDINGS OF
· 1.	Applicants seek a variance to Section 6.9 of the Town of Knightdale Unified Development Ordinance (UDO) to allow for the construction of a commercial building type at 700 Old Knight Road in Knightdale. The proposed commercial building will have a maximum front setback of 78 feet, where a minimum of 10 feet and maximum of 30 feet is required per the UDO.
2.	There is present in this matter an identified hardship based on the existing sewer easement, cross-access easement, and wetlands on the lot. These constraints restrict the buildable area along the lot frontage making the construction of the proposed building not possible within the existing front yard setbacks.
3.	There is present in this matter an identified hardship in the way of carrying out the strict application of the Ordinance regarding the front yard setback requirements prescribed by the UDO. The intent of the front yard setback maximum in UDO section 6.9 is to provide convenient automobile access from the fronting thoroughfare, while minimizing the negative impacts of parking lots on an active pedestrian realm. The proposed parking is shown in the rear and side yards of the property. The proposed development permits reasonable use of the property and maintains public interest in the existing sewer easement.
4.	Neither of the above hardships is a result of any action taken by the applicants. The sewer and cross access easement agreements were entered into by the owners prior to the adoption of Section 6.9 of the UDO requiring a maximum setback of 30 feet. Prior to the UDO update in 2021, the UDO had a maximum front setback of 90 feet for the Highway Business zoning district.
	ORE, based on the foregoing Findings of Fact, the Board of Adjustment makes the following JSIONS OF LAW:
1.	There are unnecessary hardships in complying with the strict application of the Ordinance.
2.	The identified hardships result from conditions peculiar to the property, including location, size and topography.
3.	The identified hardships did not result from actions taken by the applicant or property owners; and
4.	The variance is consistent with the spirit, purpose and intent of this Ordinance; such that public safety is secured and substantial justice is achieved.

BK019337PG01402

Development Ordinance:



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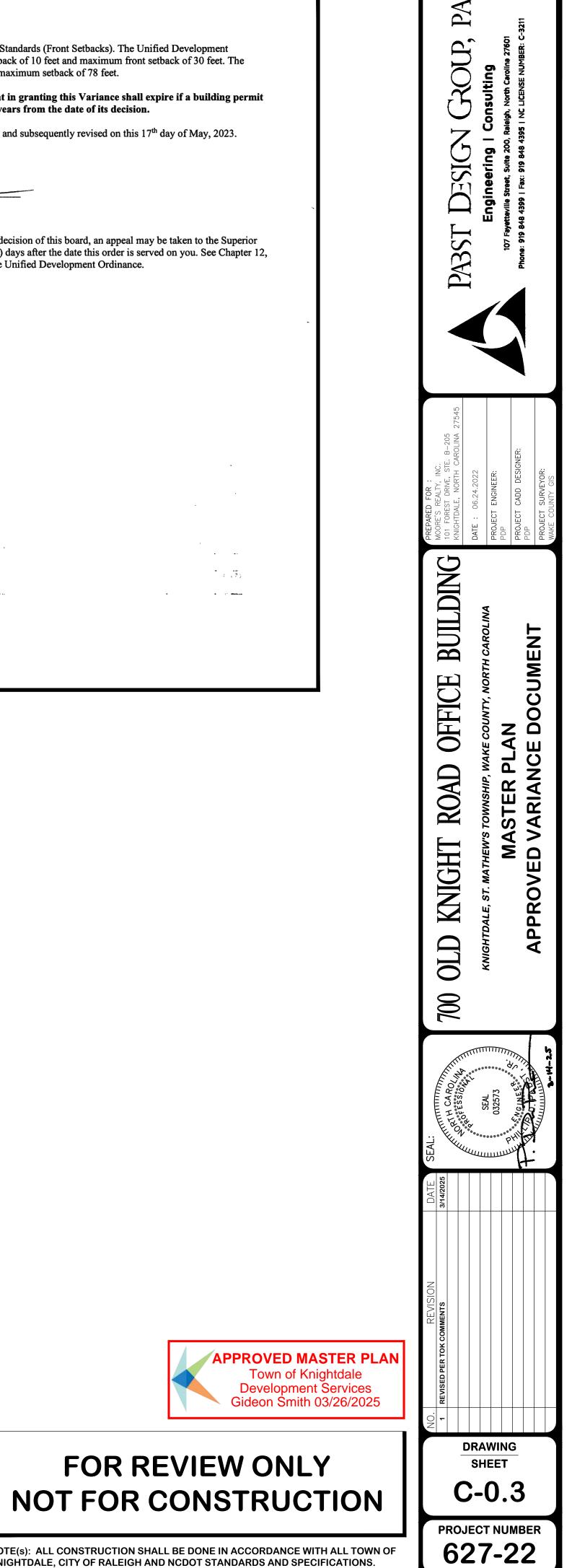
Section 6.9 Commercial Building Type Standards (Front Setbacks). The Unified Development ordinance requires a minimum front setback of 10 feet and maximum front setback of 30 feet. The applicant is specifically granted a front maximum setback of 78 feet.

This order of the Board of Adjustment in granting this Variance shall expire if a building permit has not been obtained within two (2) years from the date of its decision.

Ordered this 3<sup>rd</sup> day of November, 2022 and subsequently revised on this 17<sup>th</sup> day of May, 2023.

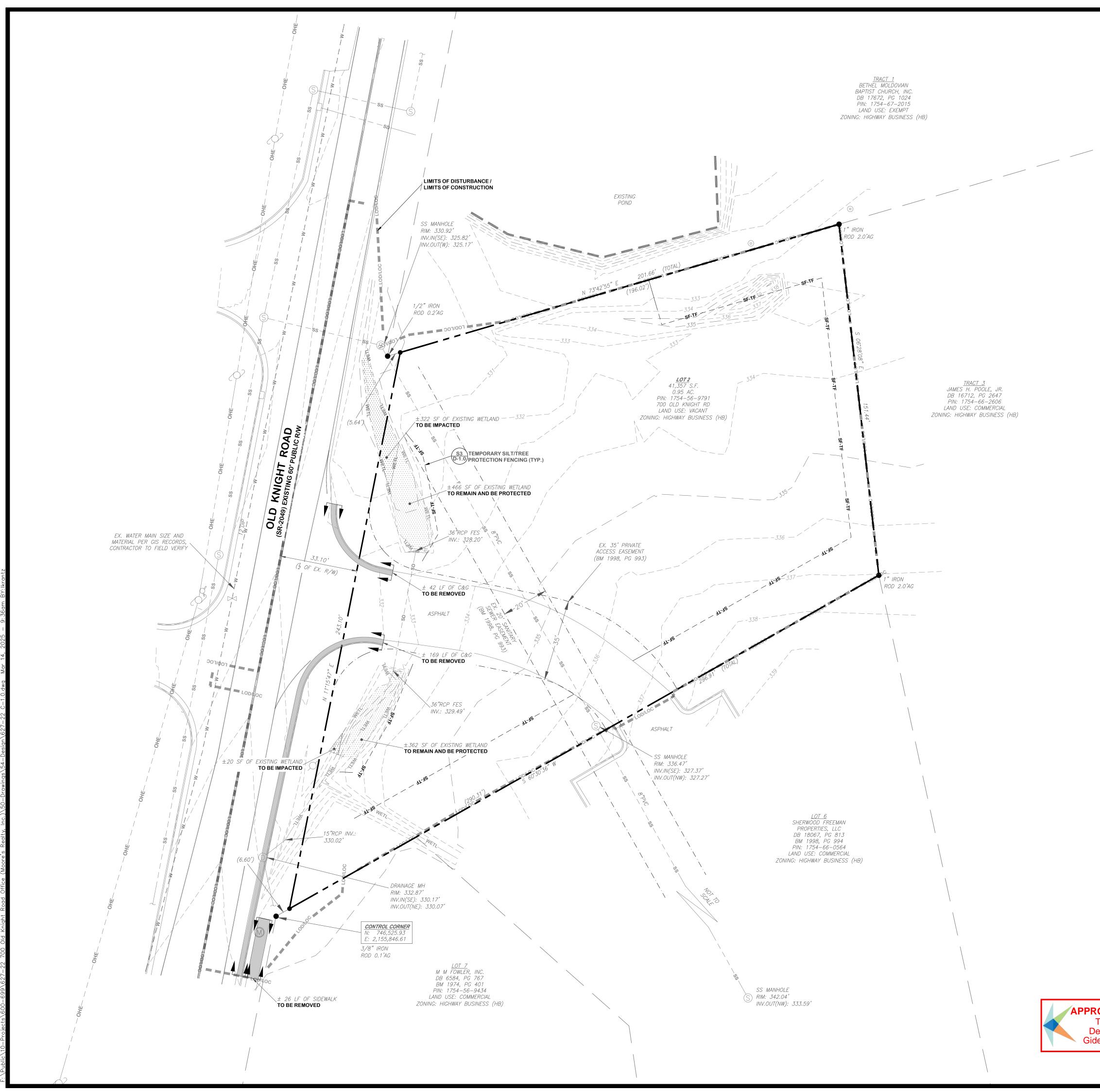
NOTE: If you are dissatisfied with the decision of this board, an appeal may be taken to the Superior Court of Wake County within thirty (30) days after the date this order is served on you. See Chapter 12, Development Process, of the Knightdale Unified Development Ordinance.

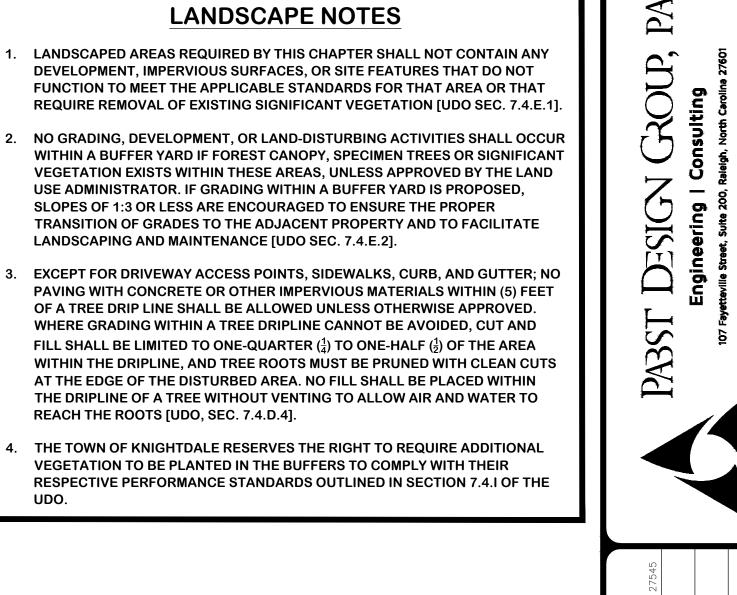
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FOR REVIEW ONLY





**APPROVED MASTER PLAN** Town of Knightdale Development Services Gideon Smith 03/26/2025

FOR REVIEW ONLY **NOT FOR CONSTRUCTION** 

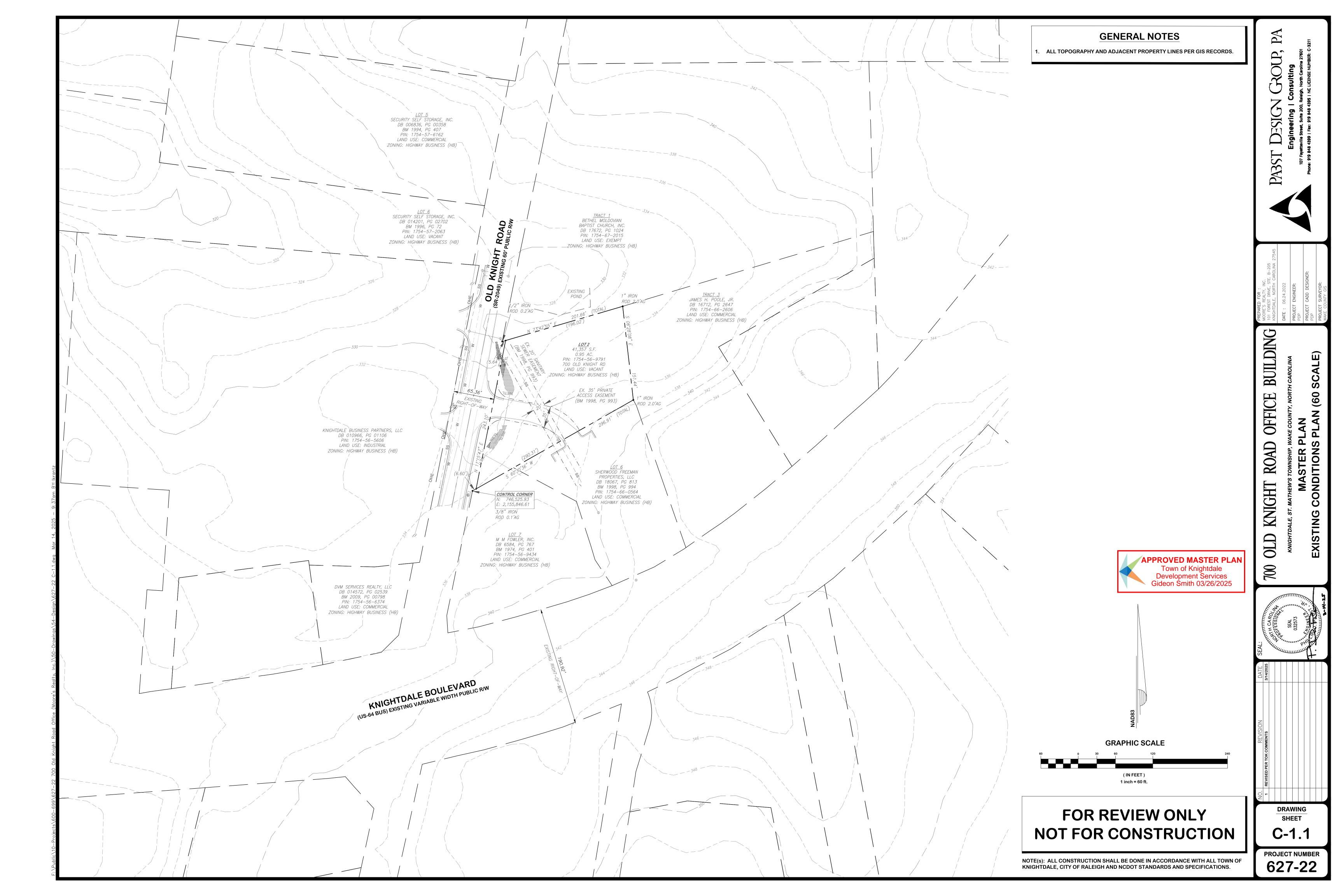
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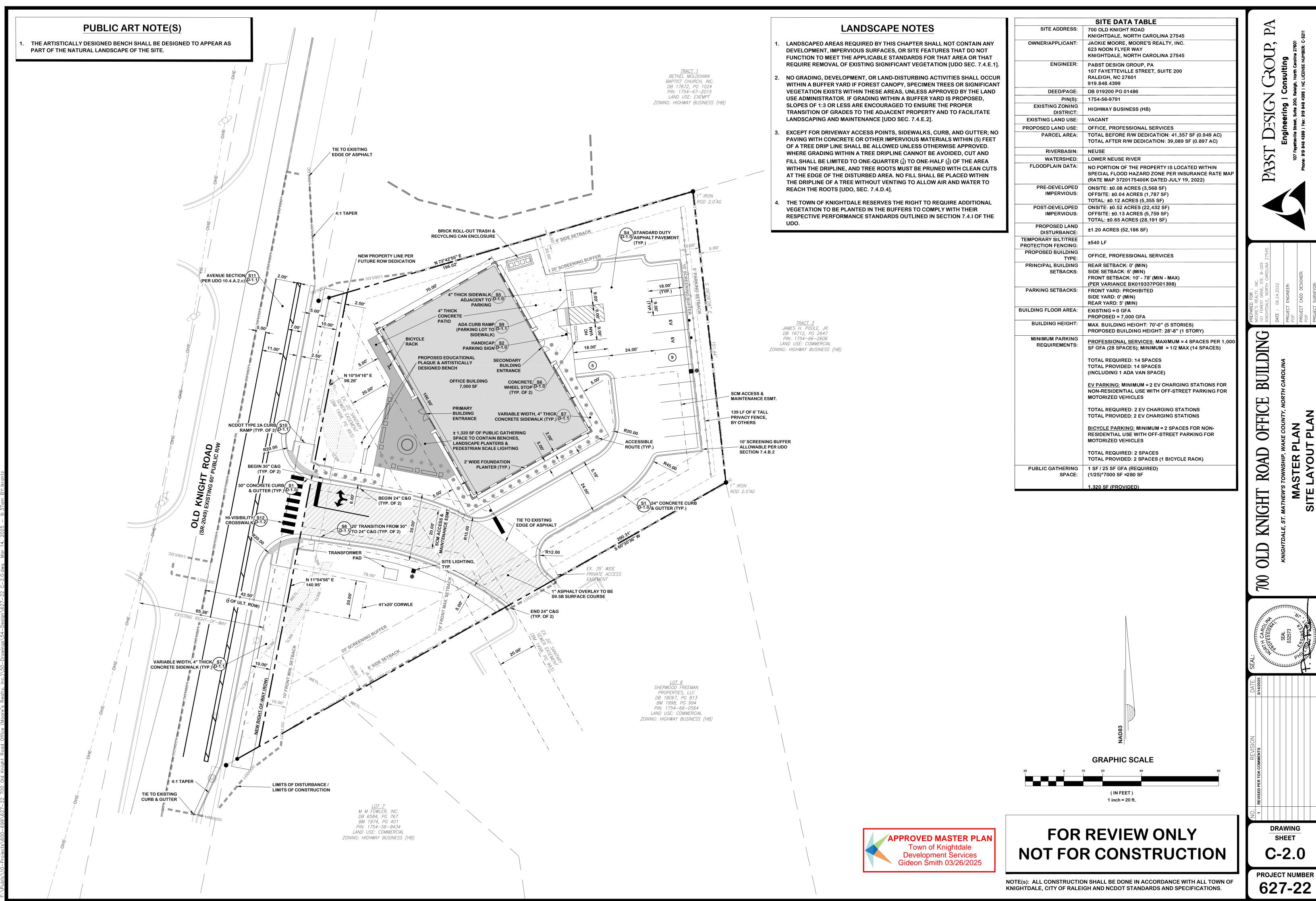
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1 inch = 20 ft.

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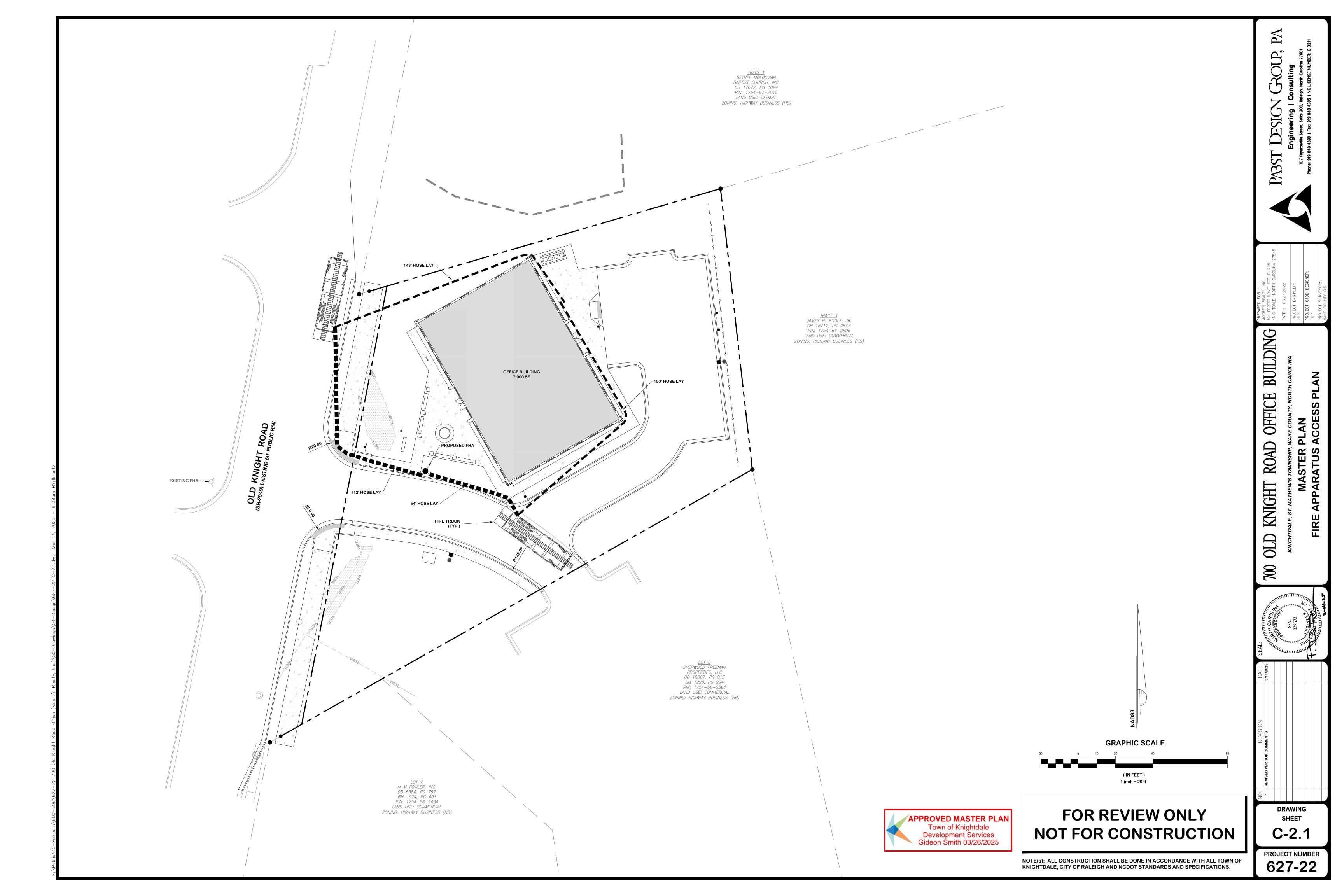
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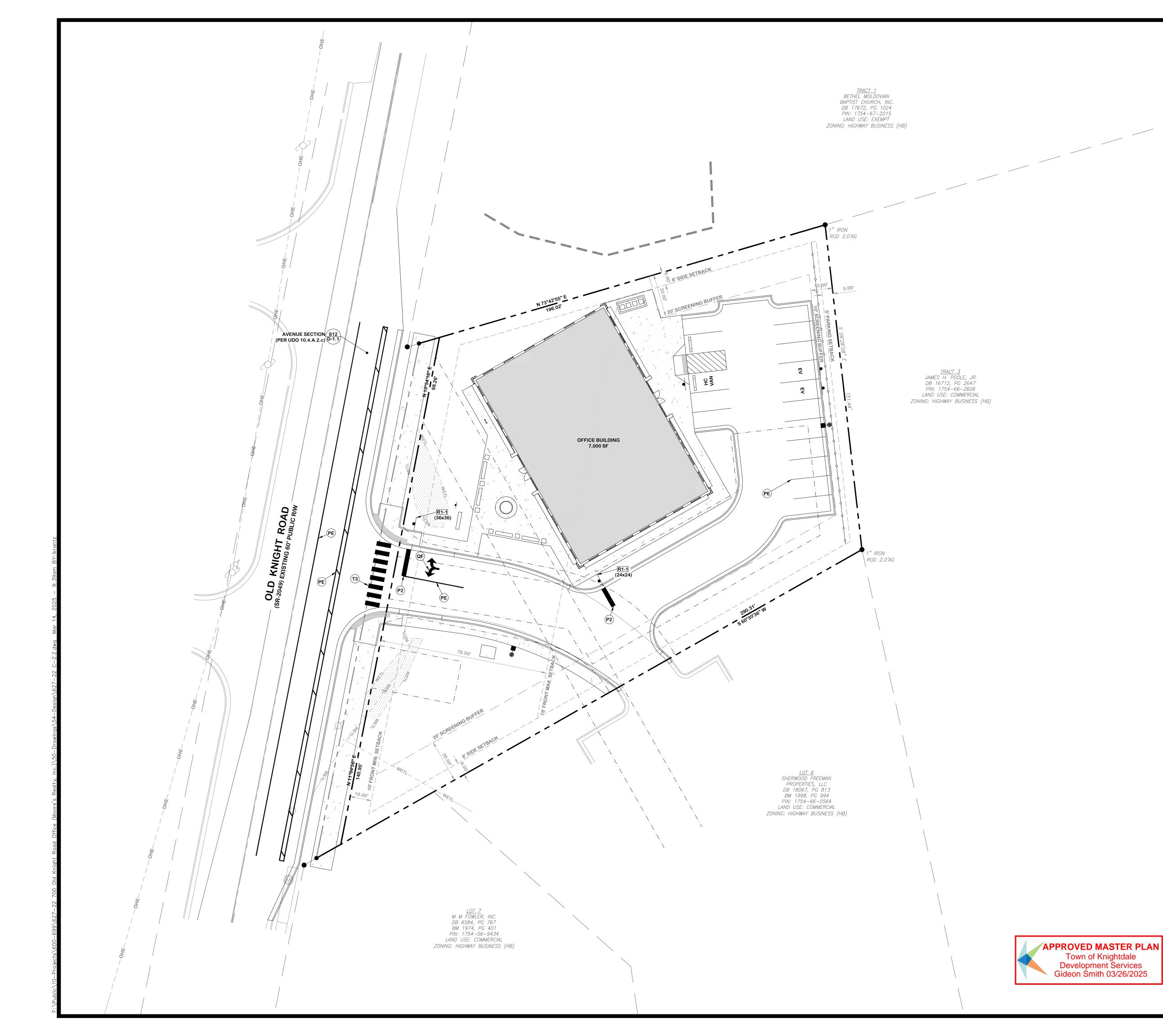
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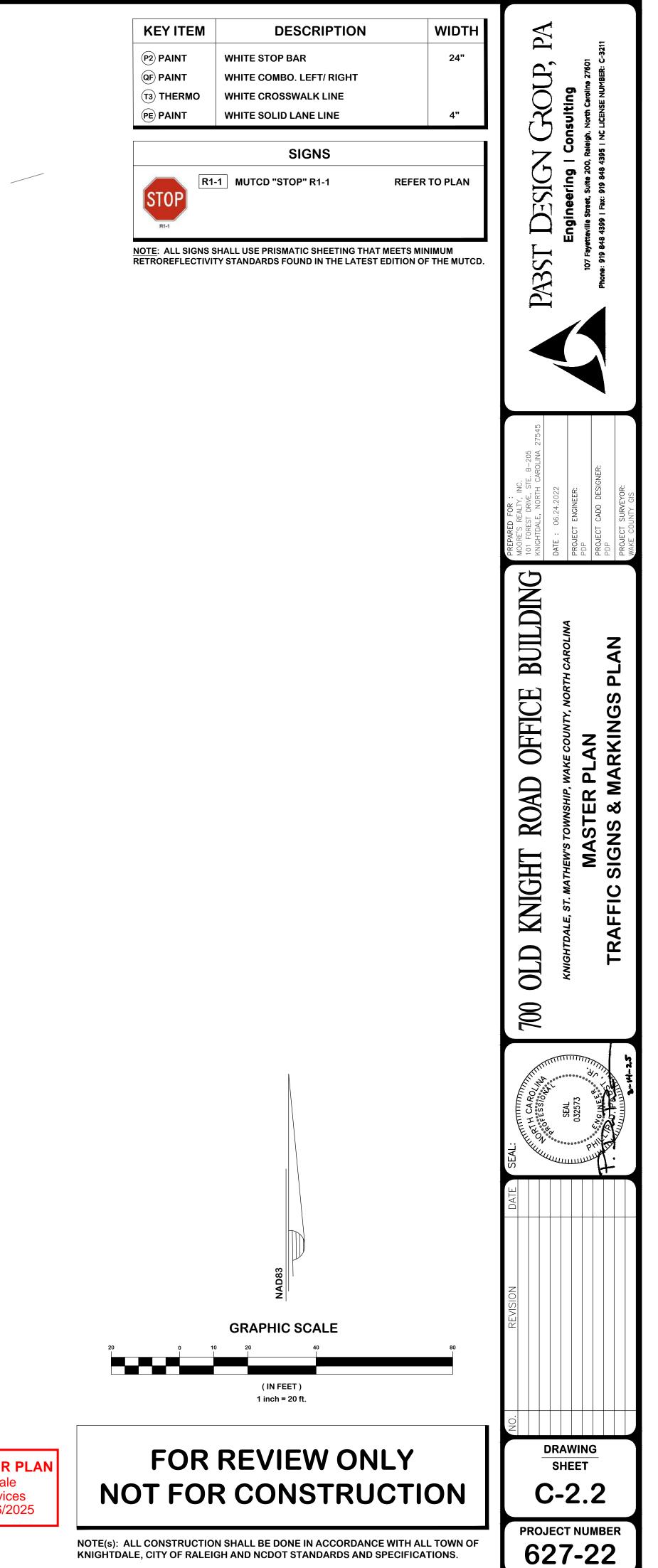
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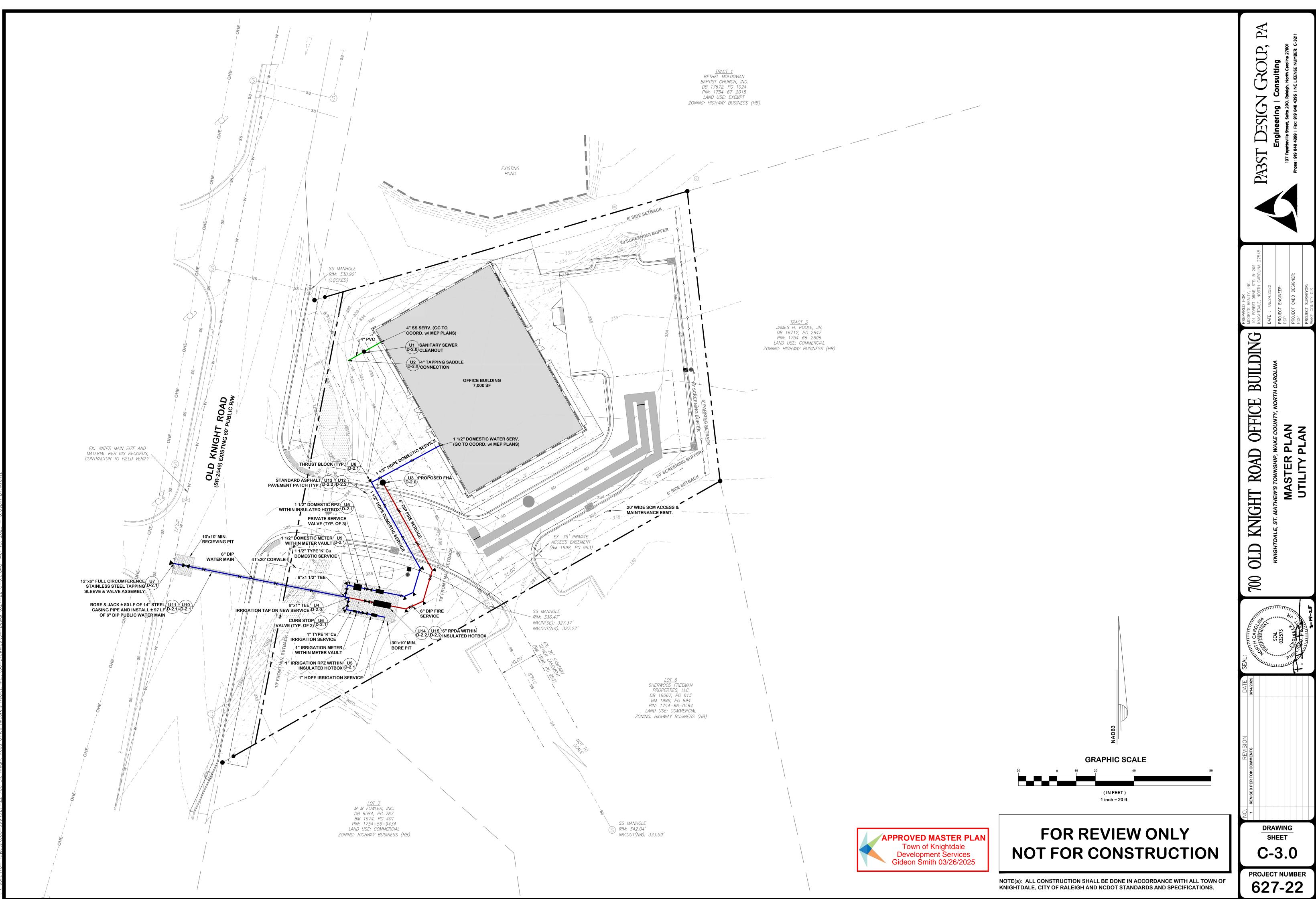
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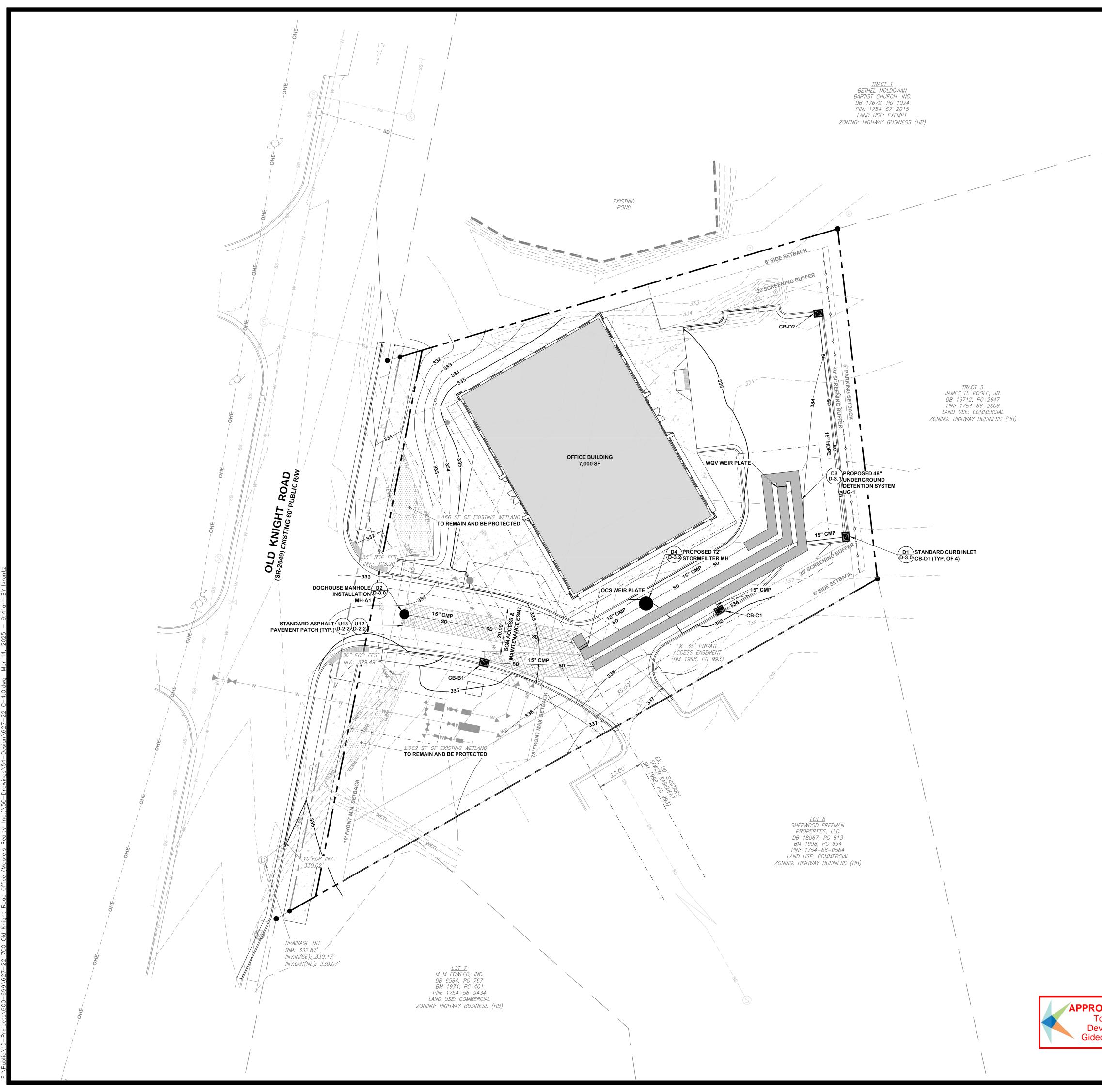


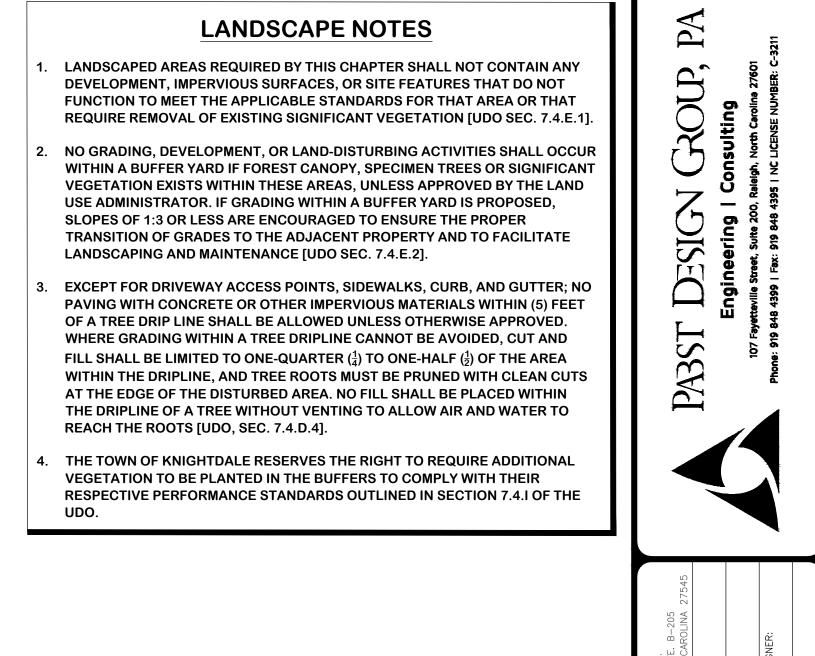




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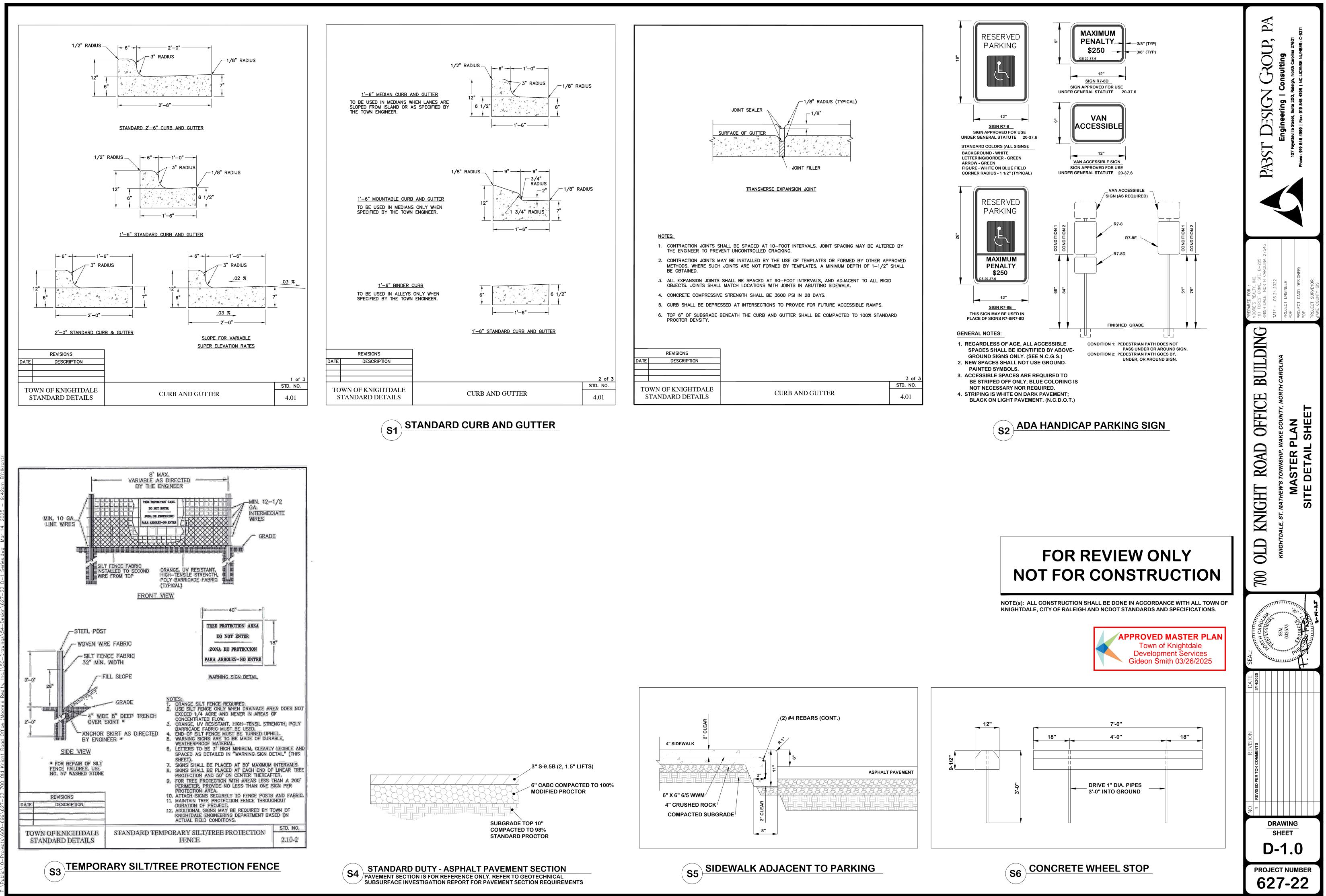
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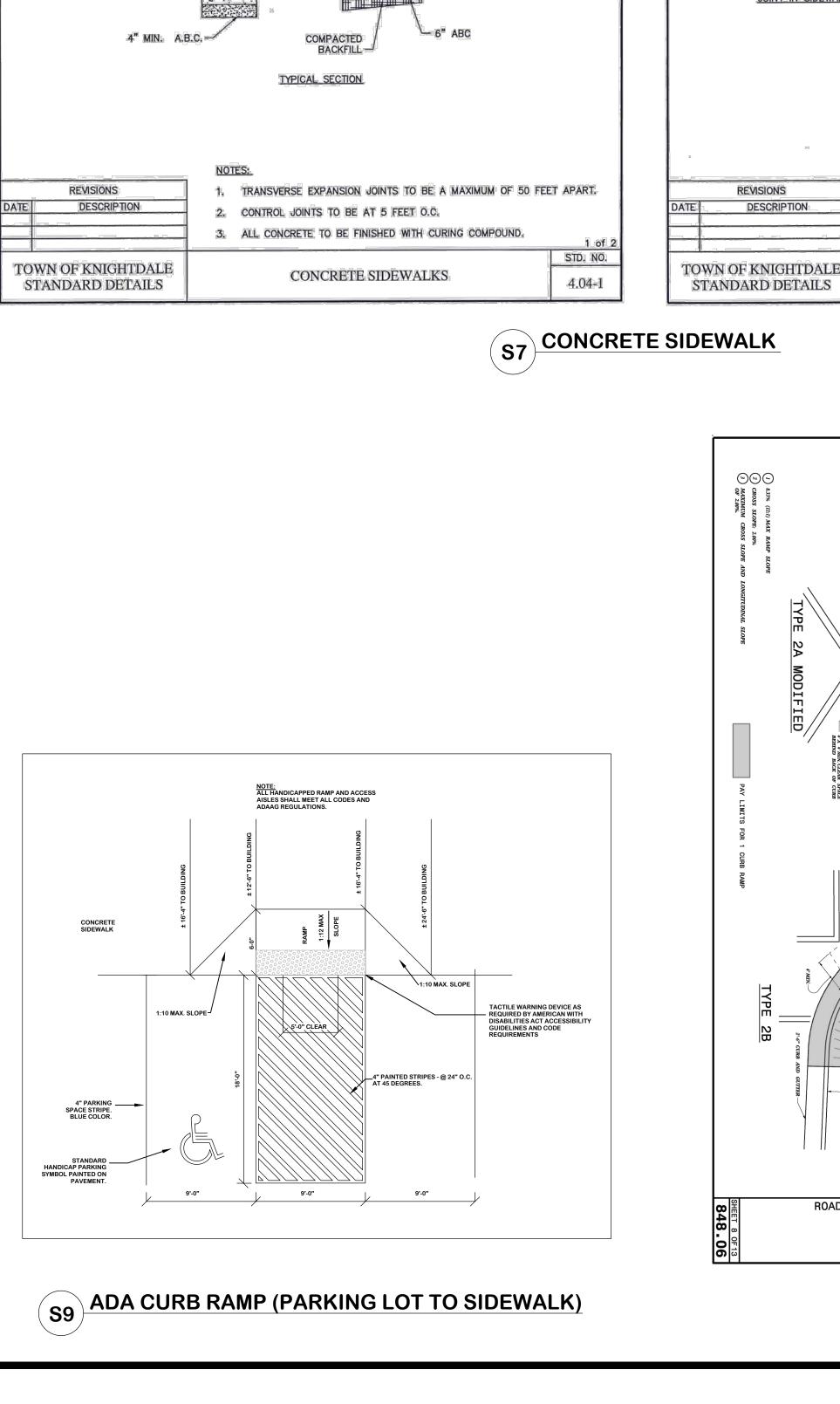
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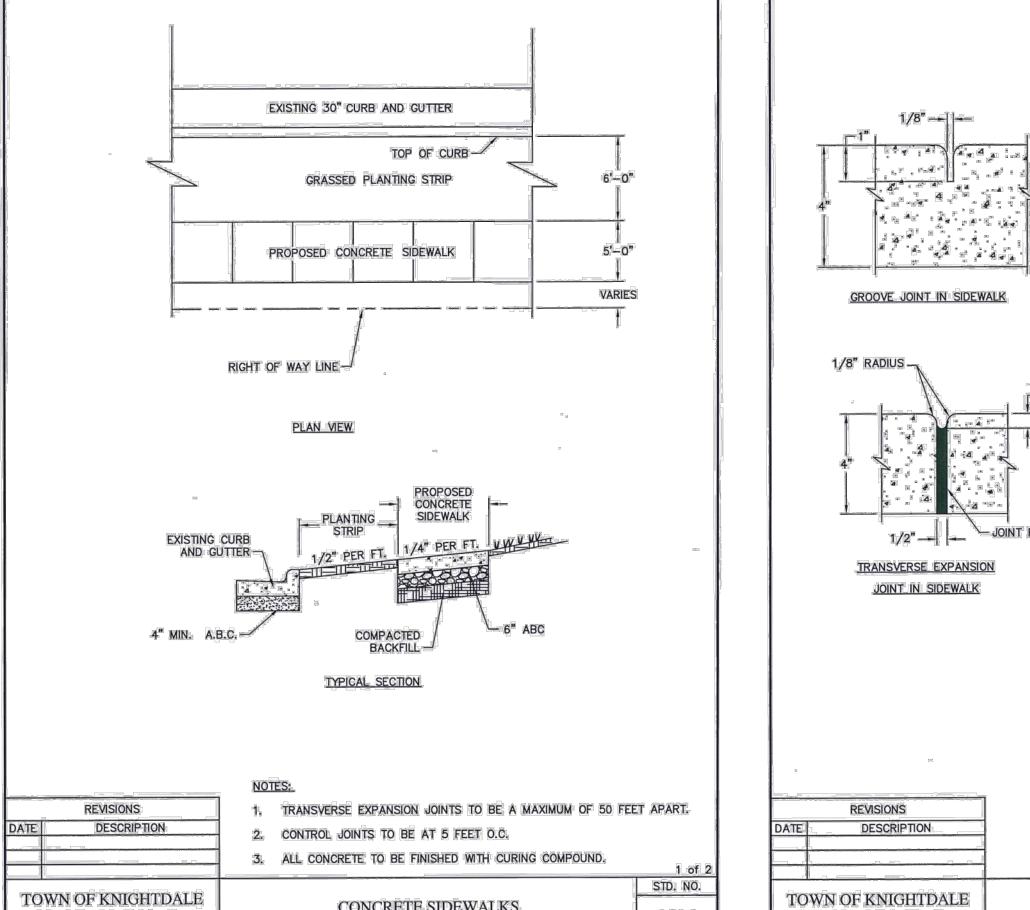
1 inch = 20 ft.

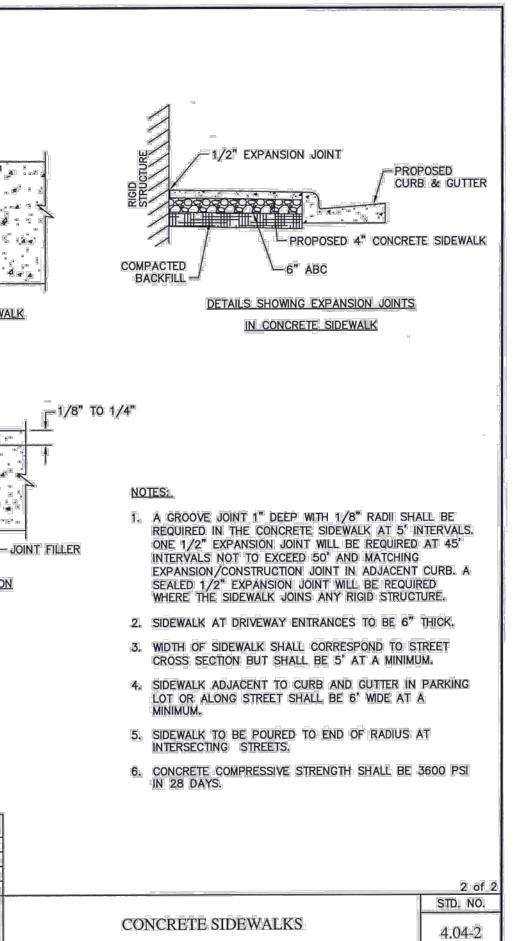
APPROVED MASTER PLAN Town of Knightdale Development Services Gideon Smith 03/26/2025

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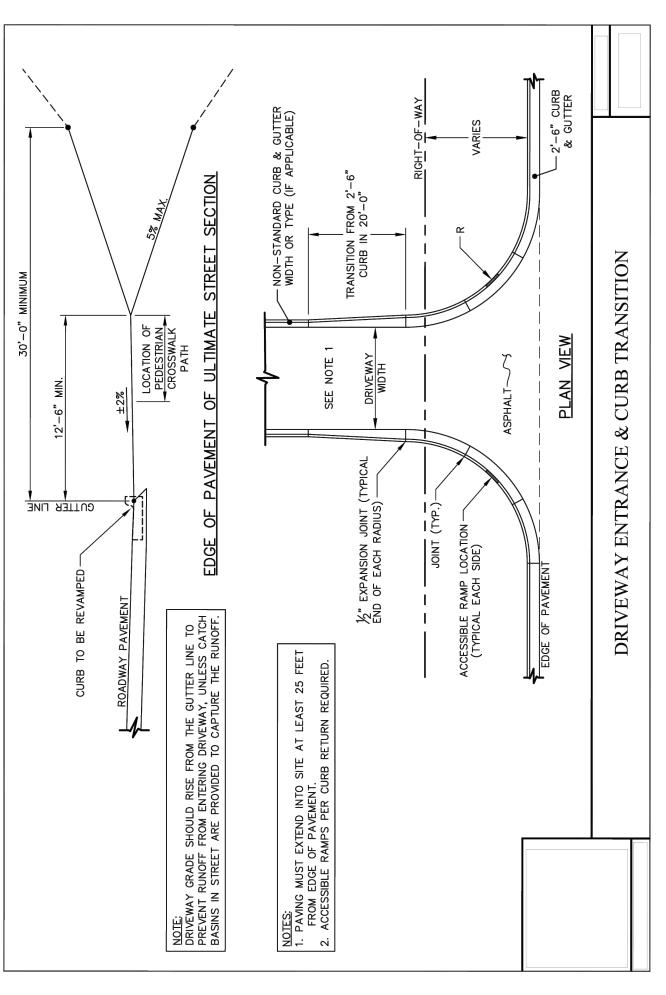


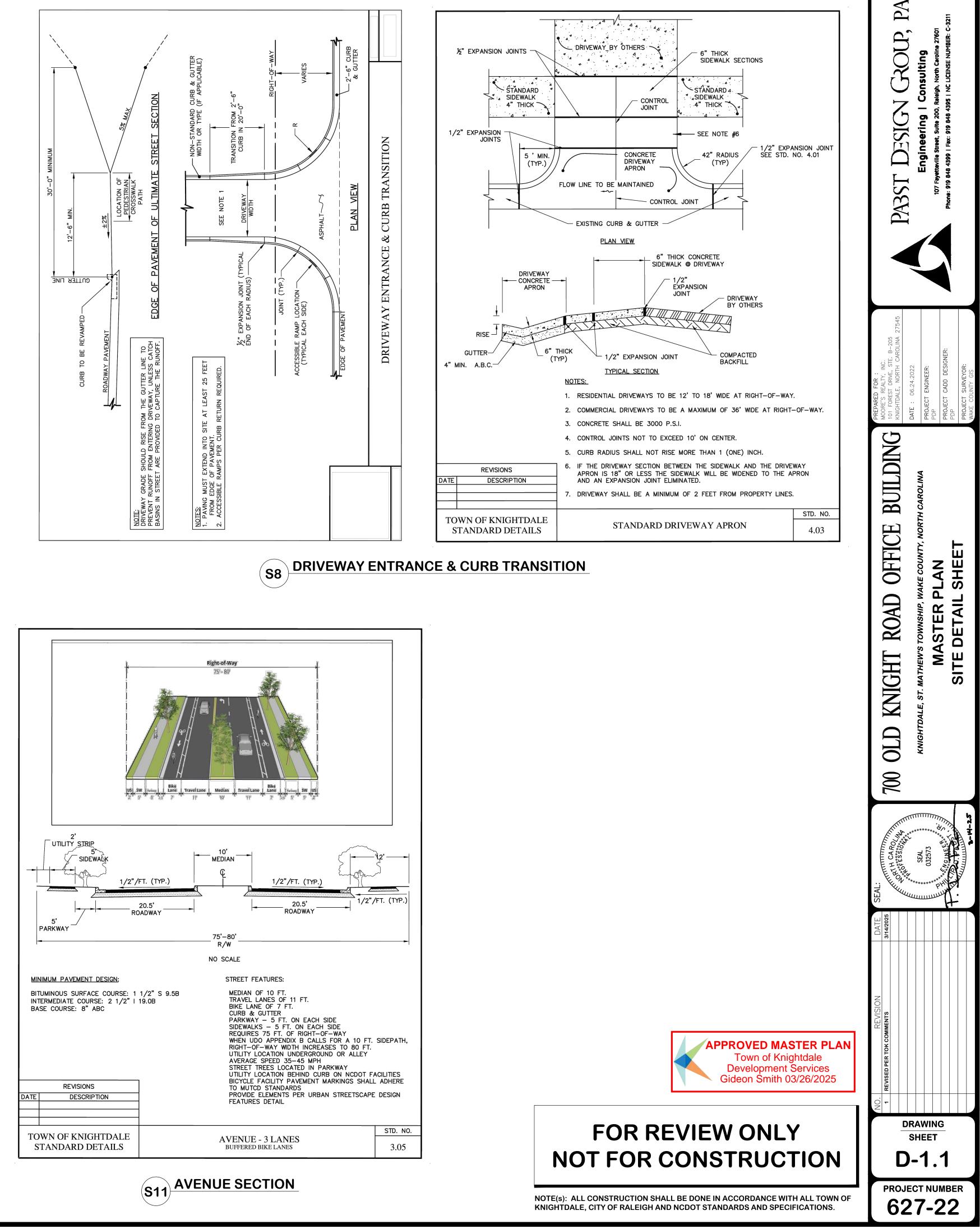


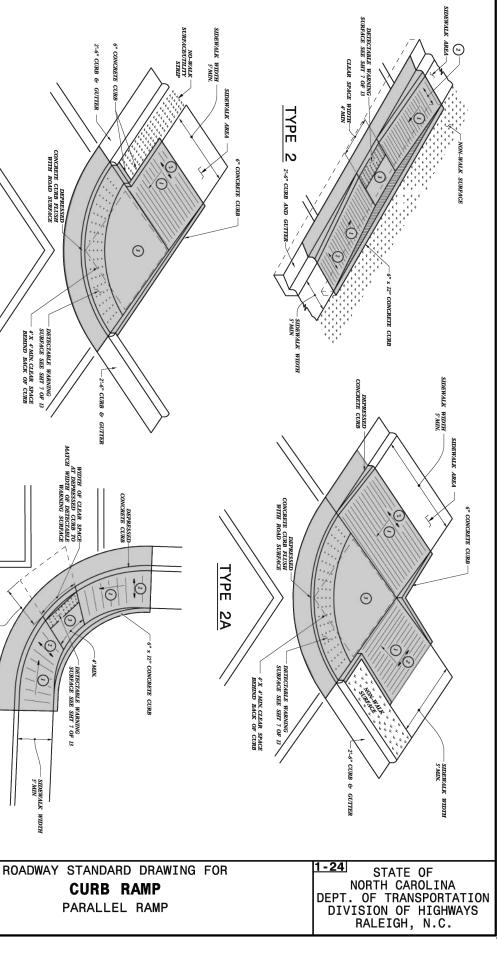


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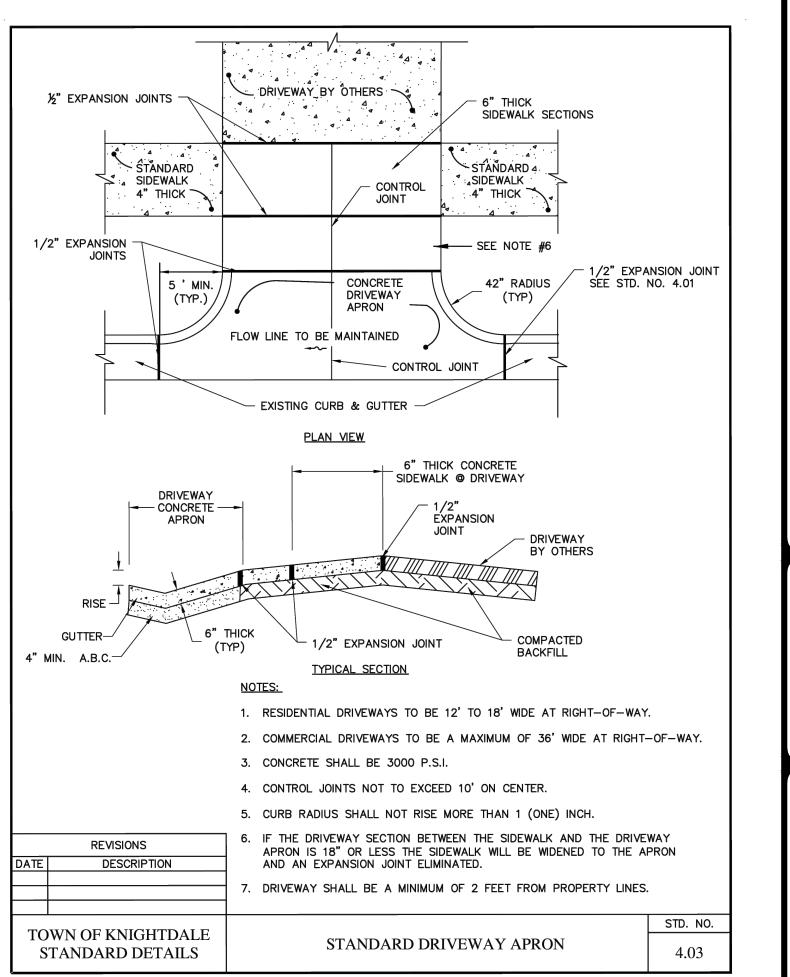
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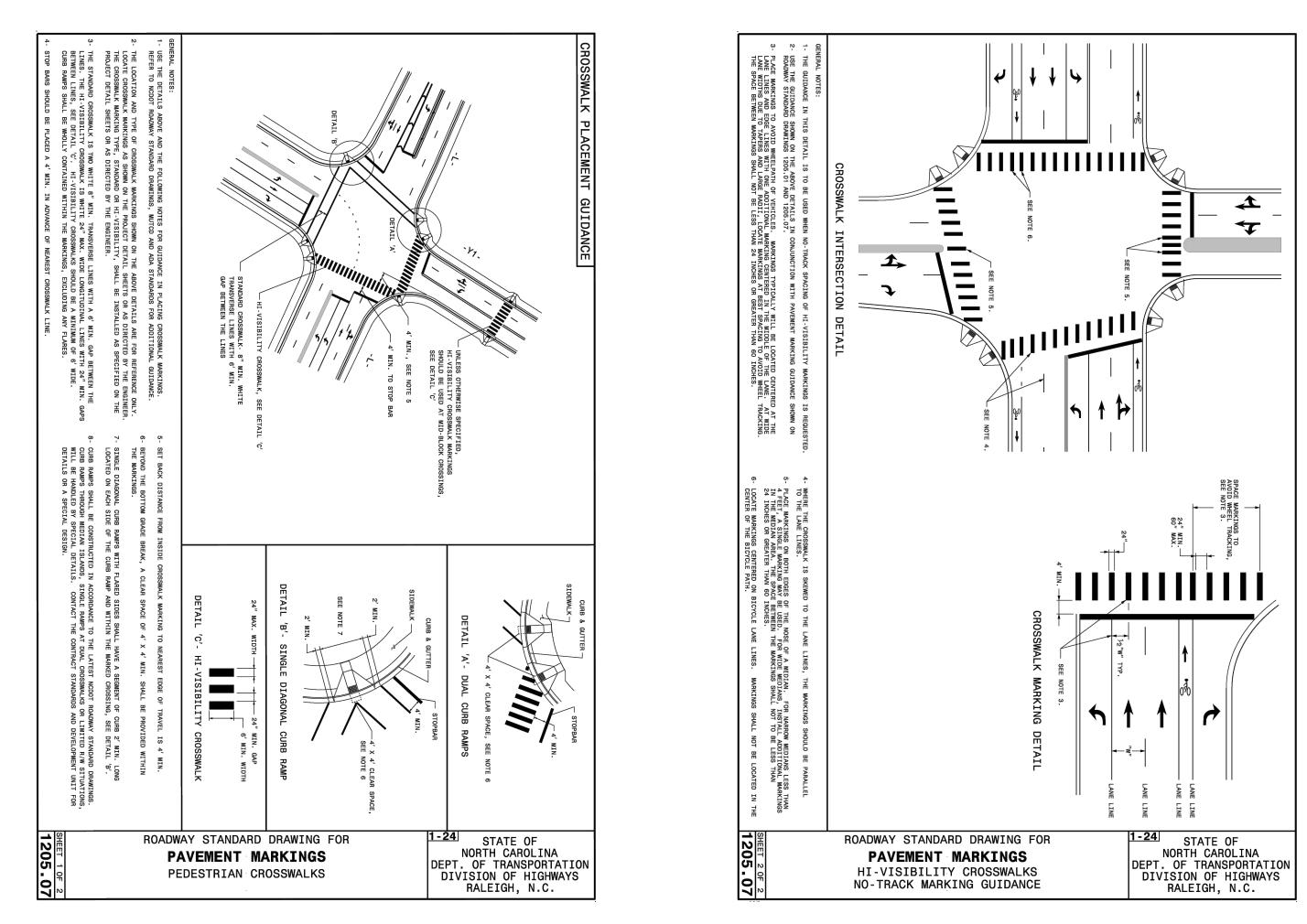




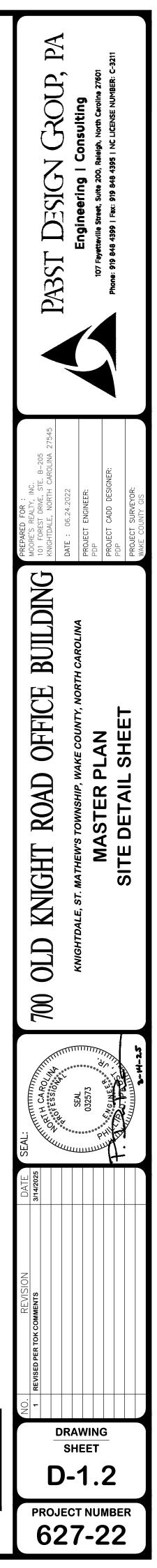


(S10) ADA CURB RAMP





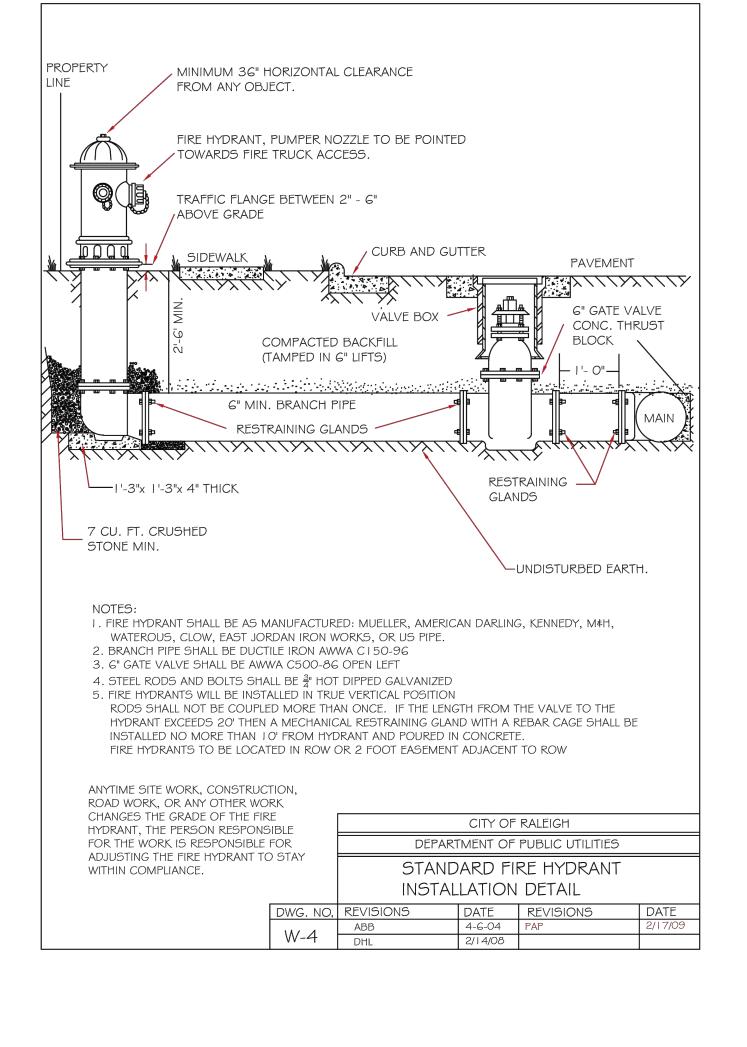
S12 HI-VISIBILITY CROSSWALK

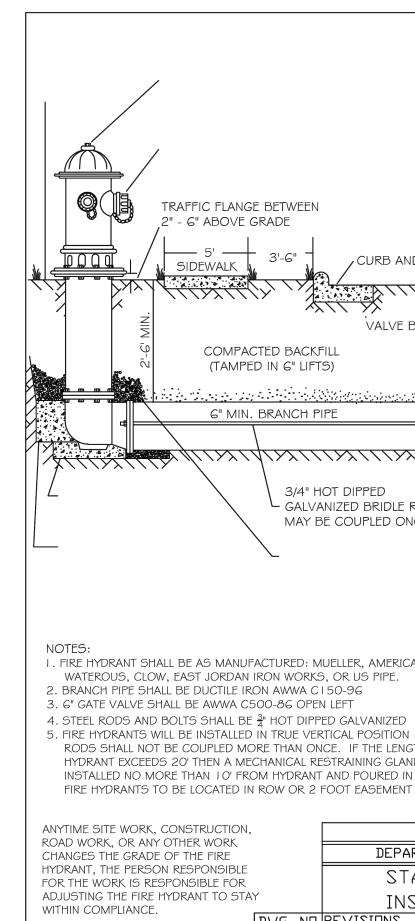


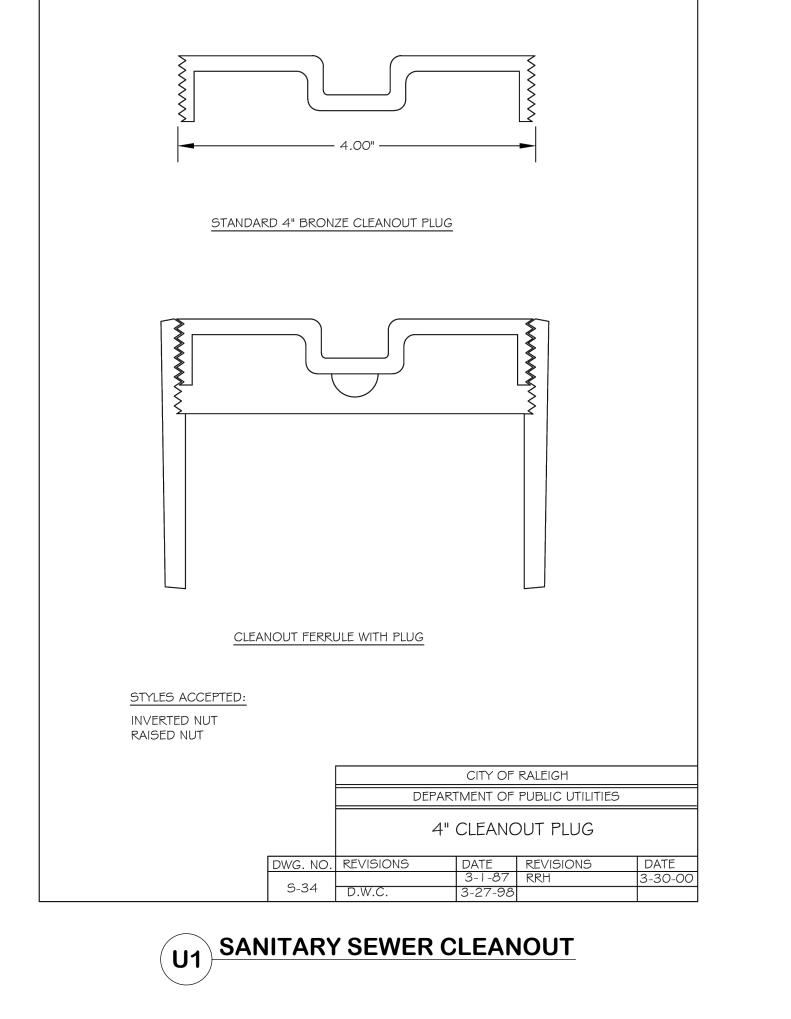


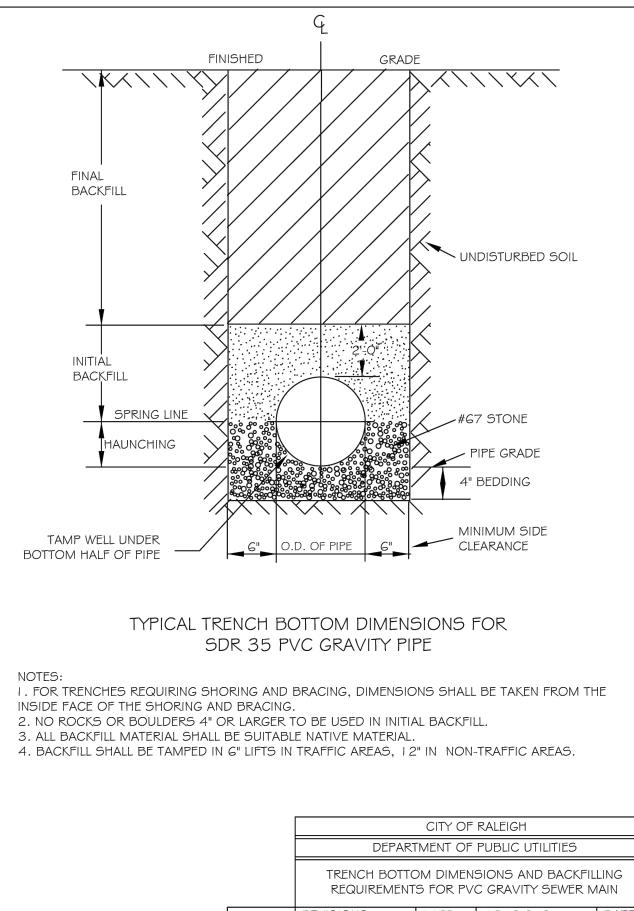
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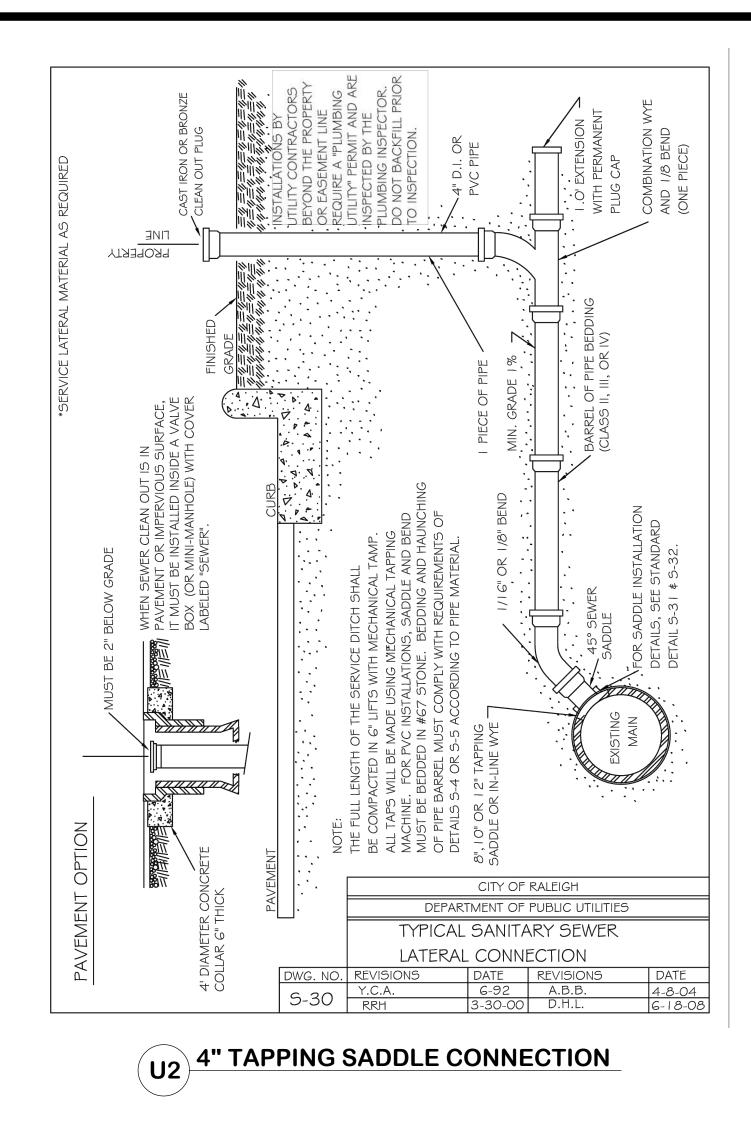


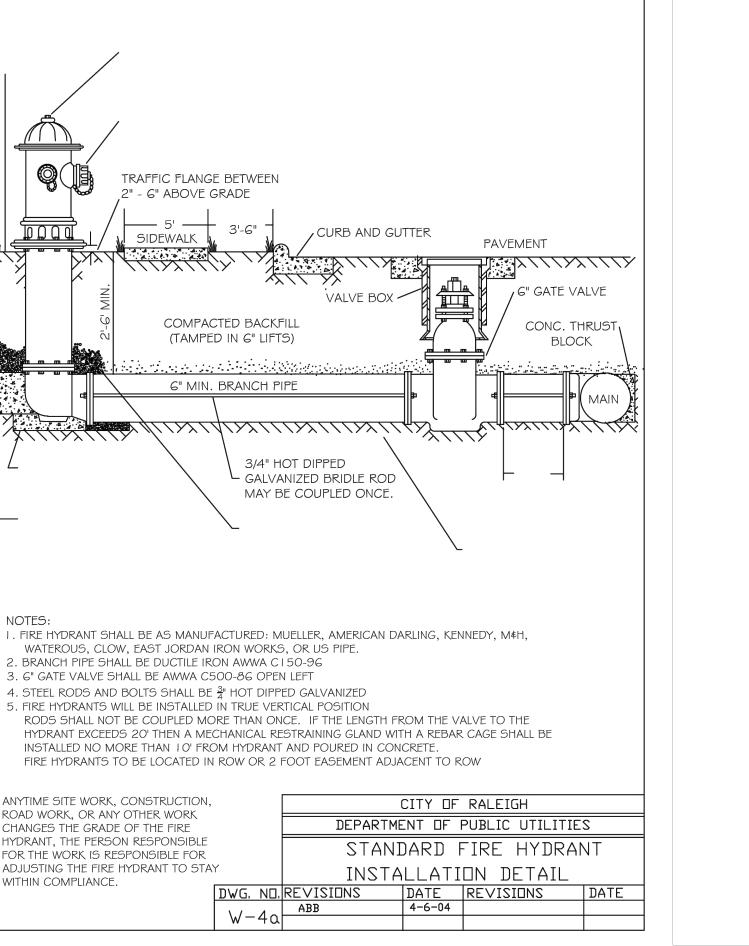


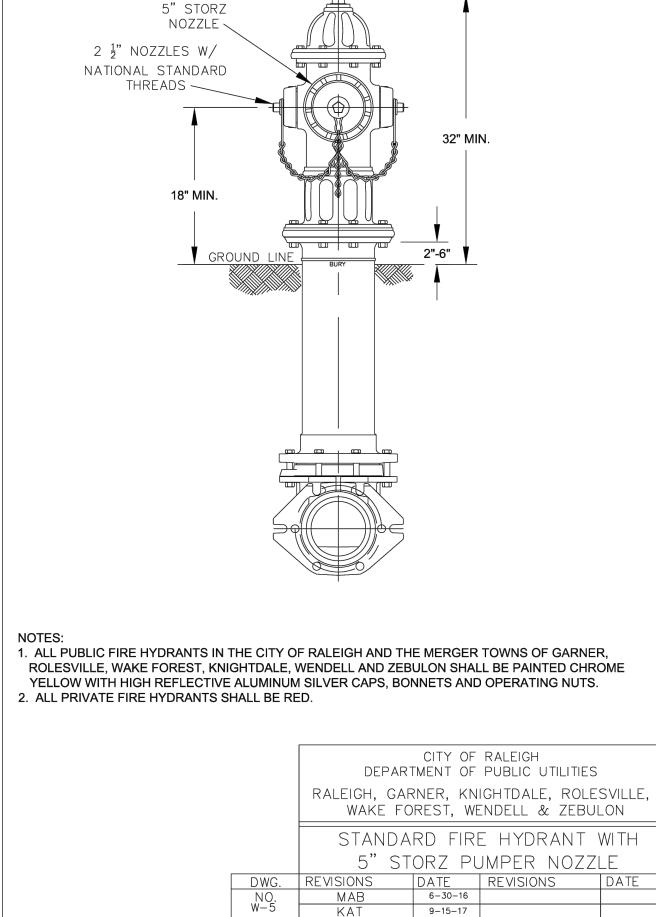




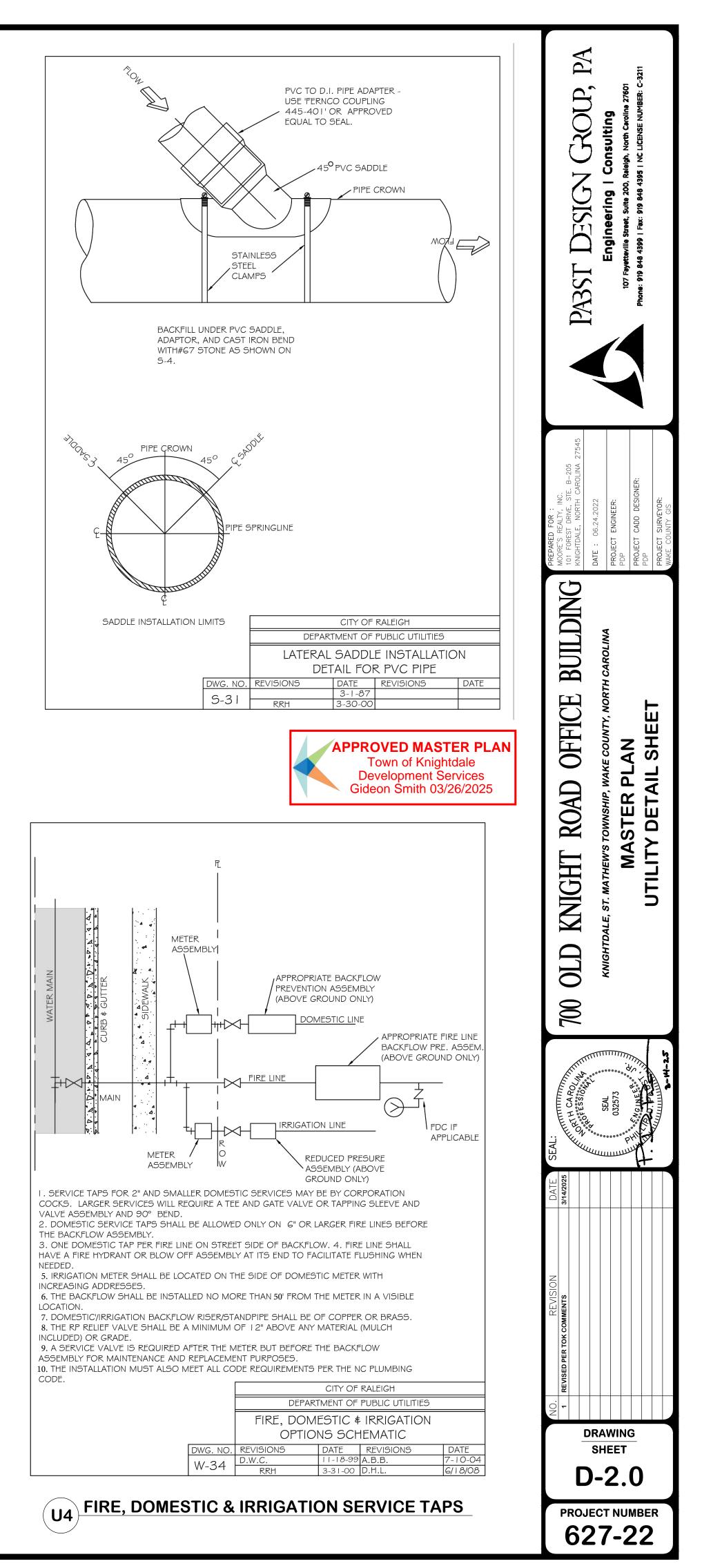
	CITY OF RALEIGH							
	DEPARTMENT OF PUBLIC UTILITIES							
	TRENCH BOTTOM DIMENSIONS AND BACKFILLING REQUIREMENTS FOR PVC GRAVITY SEWER MAIN							
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE				
S-5	TO NOTES	3-1-87	D.W.C.	9-3-99				
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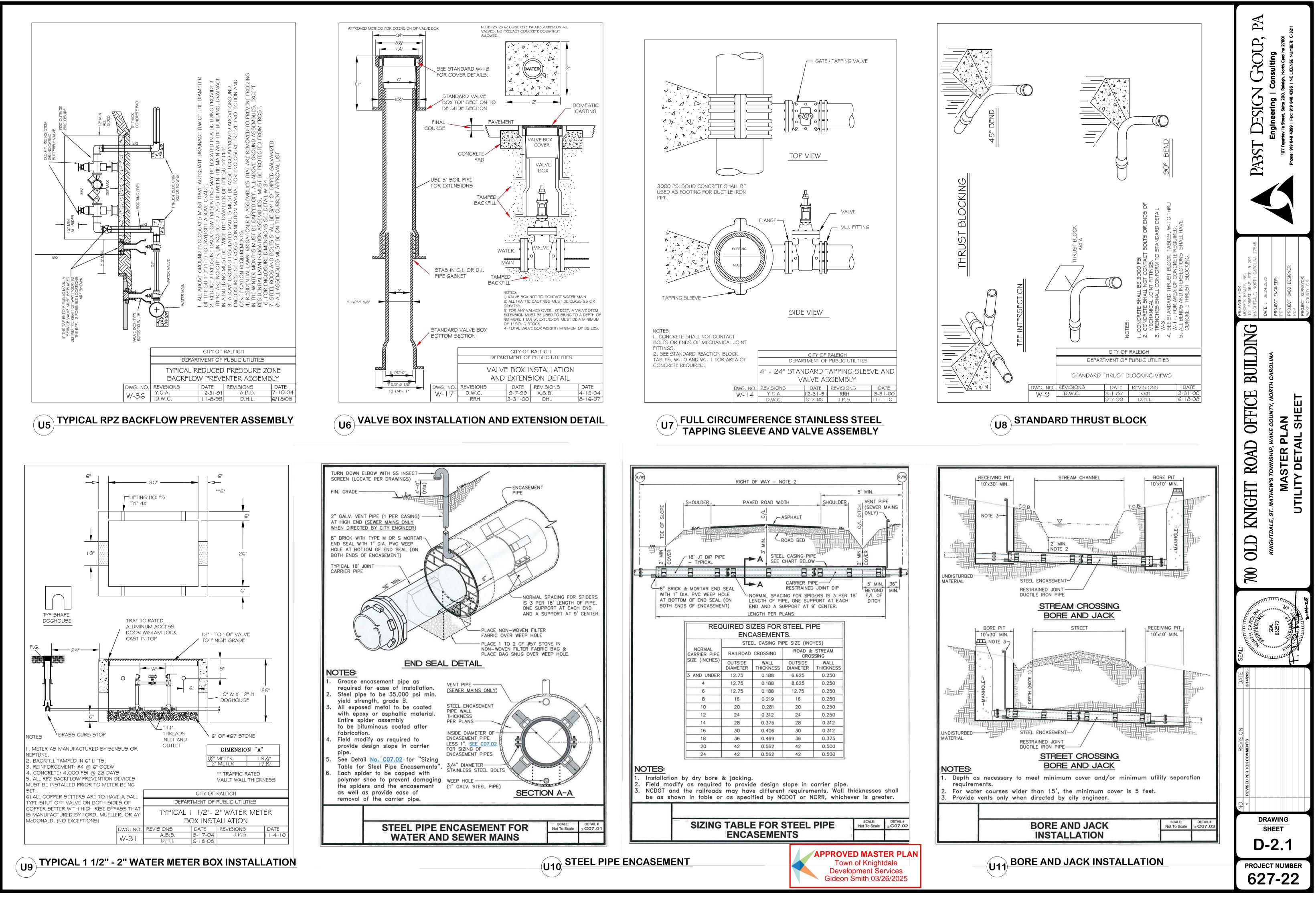


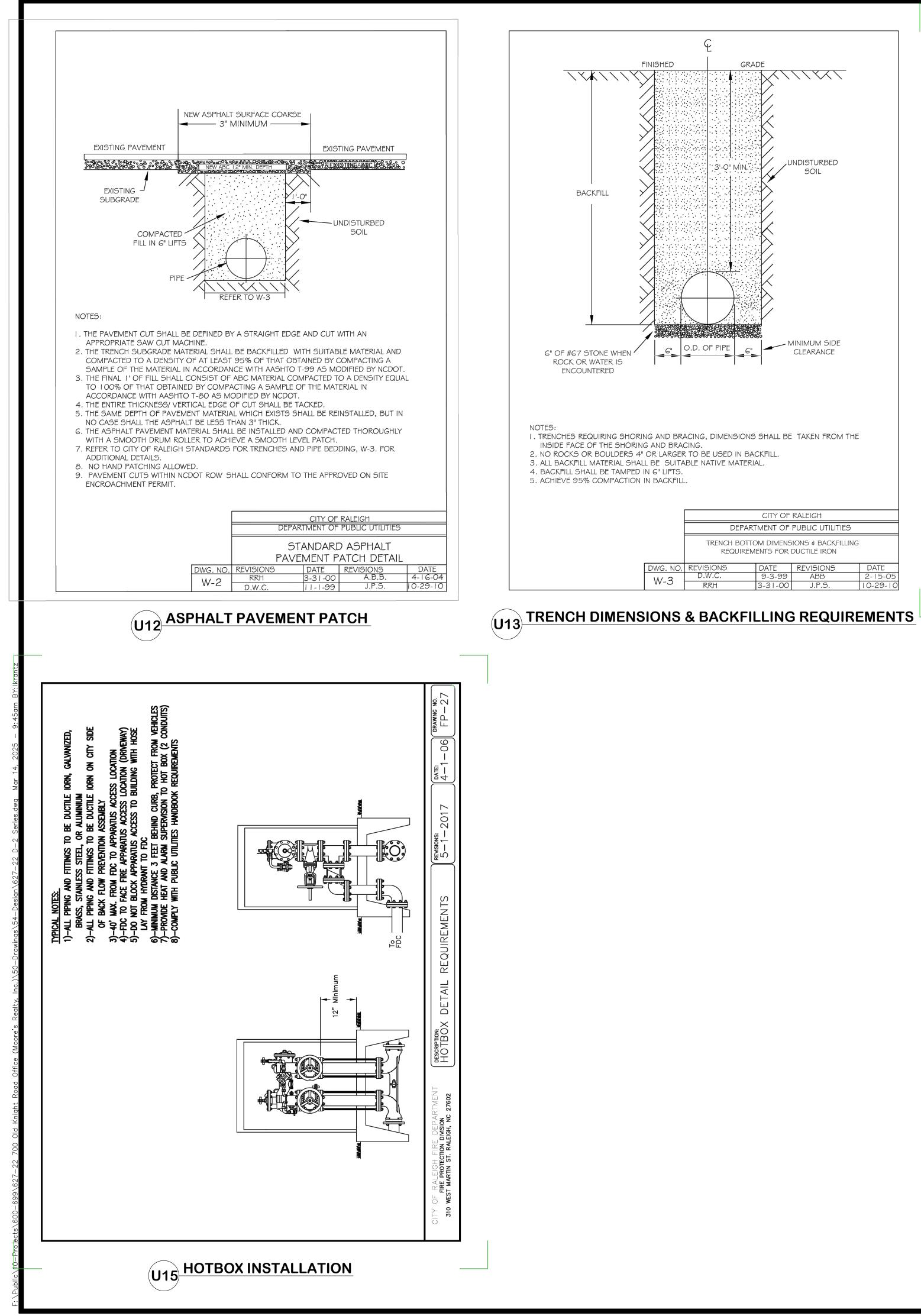


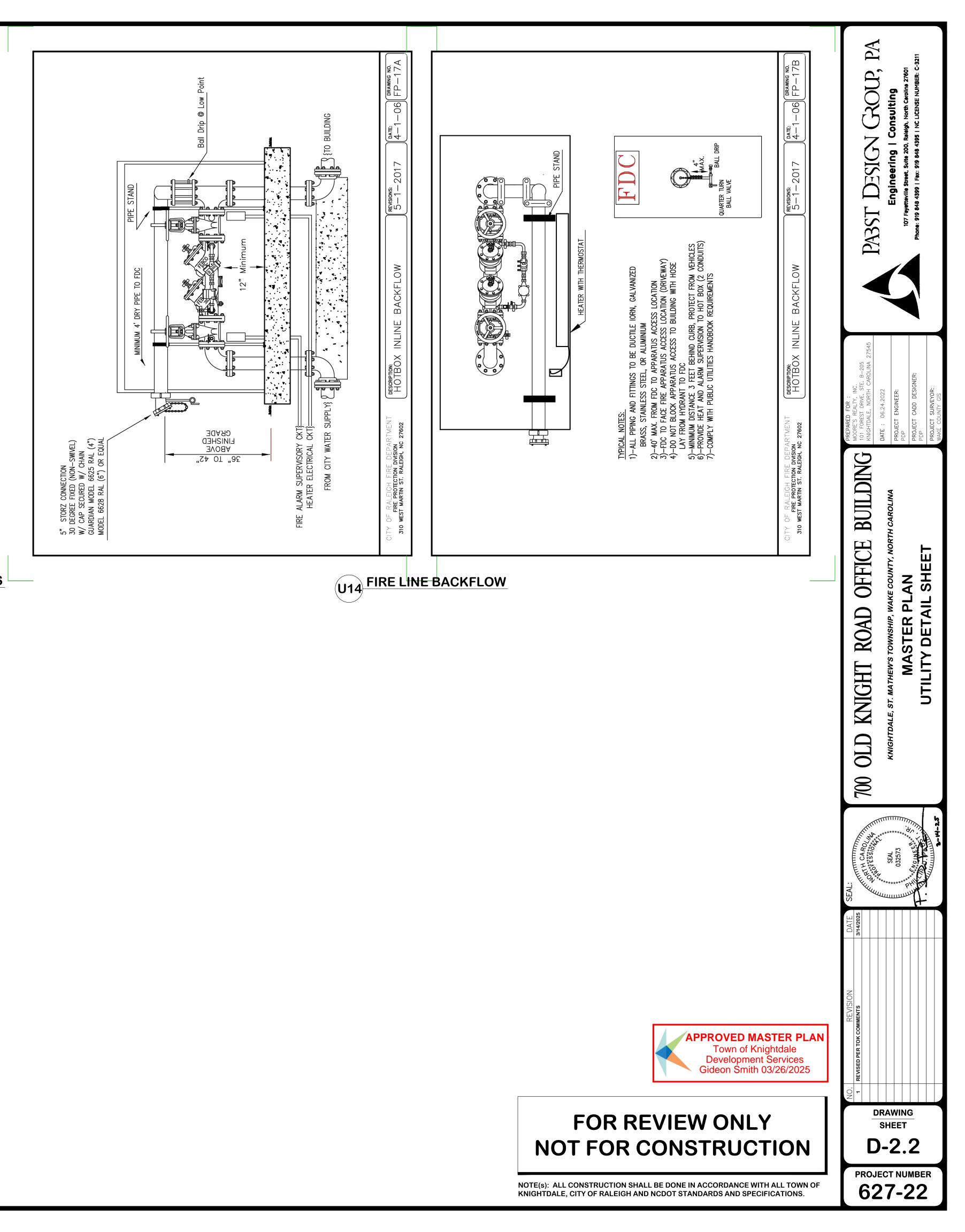


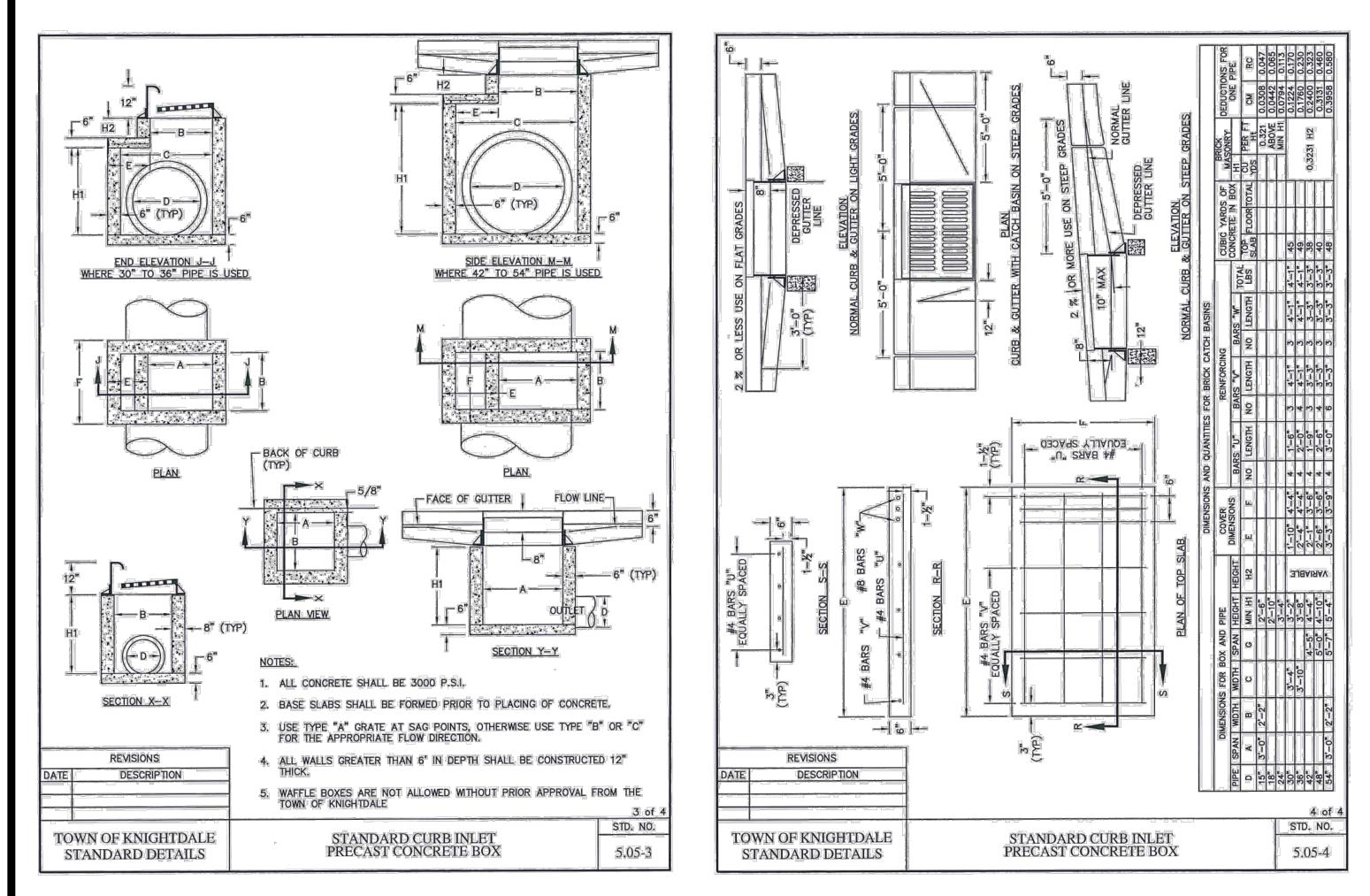
## (U3) STANDARD FIRE HYDRANT INSTALLATION





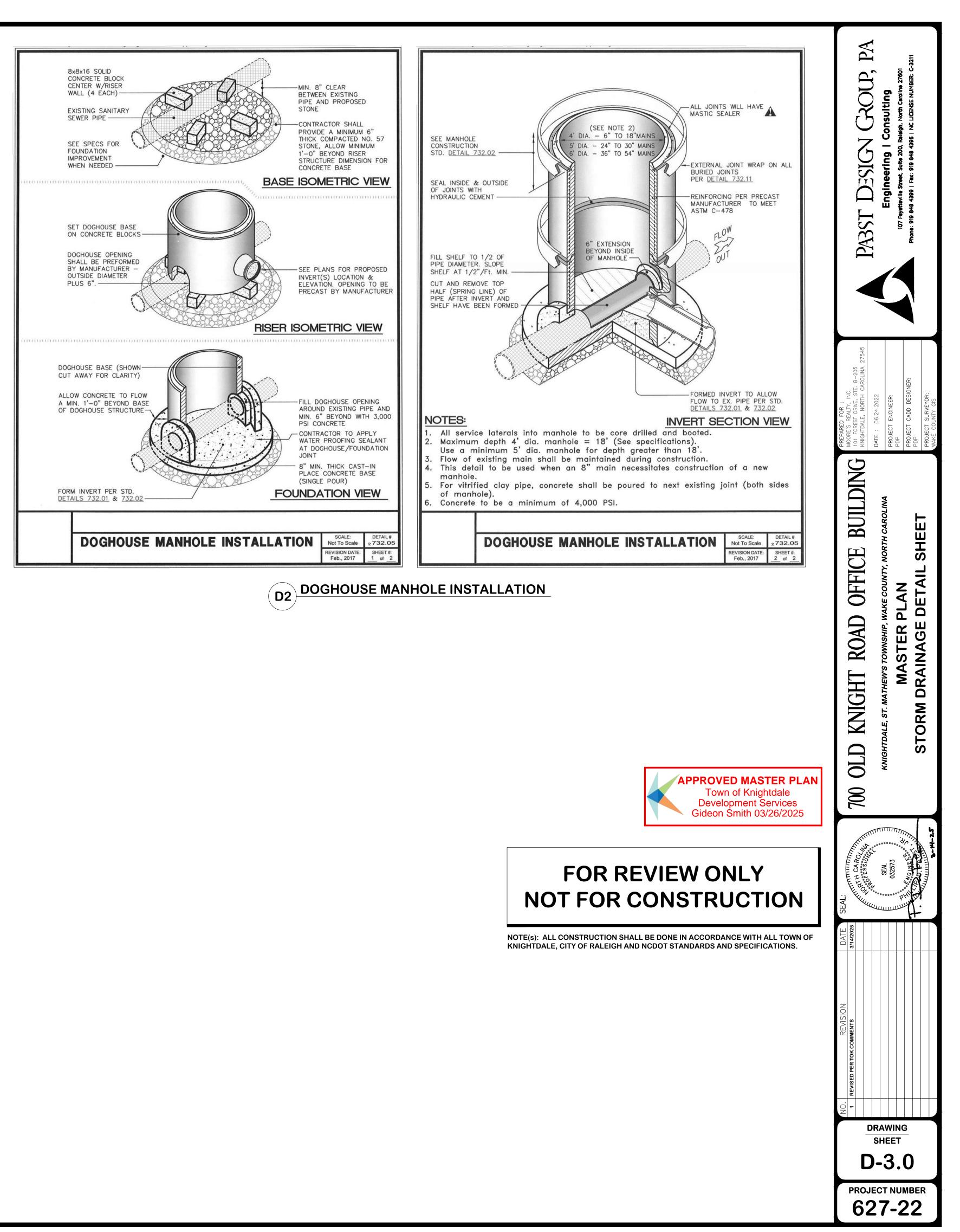


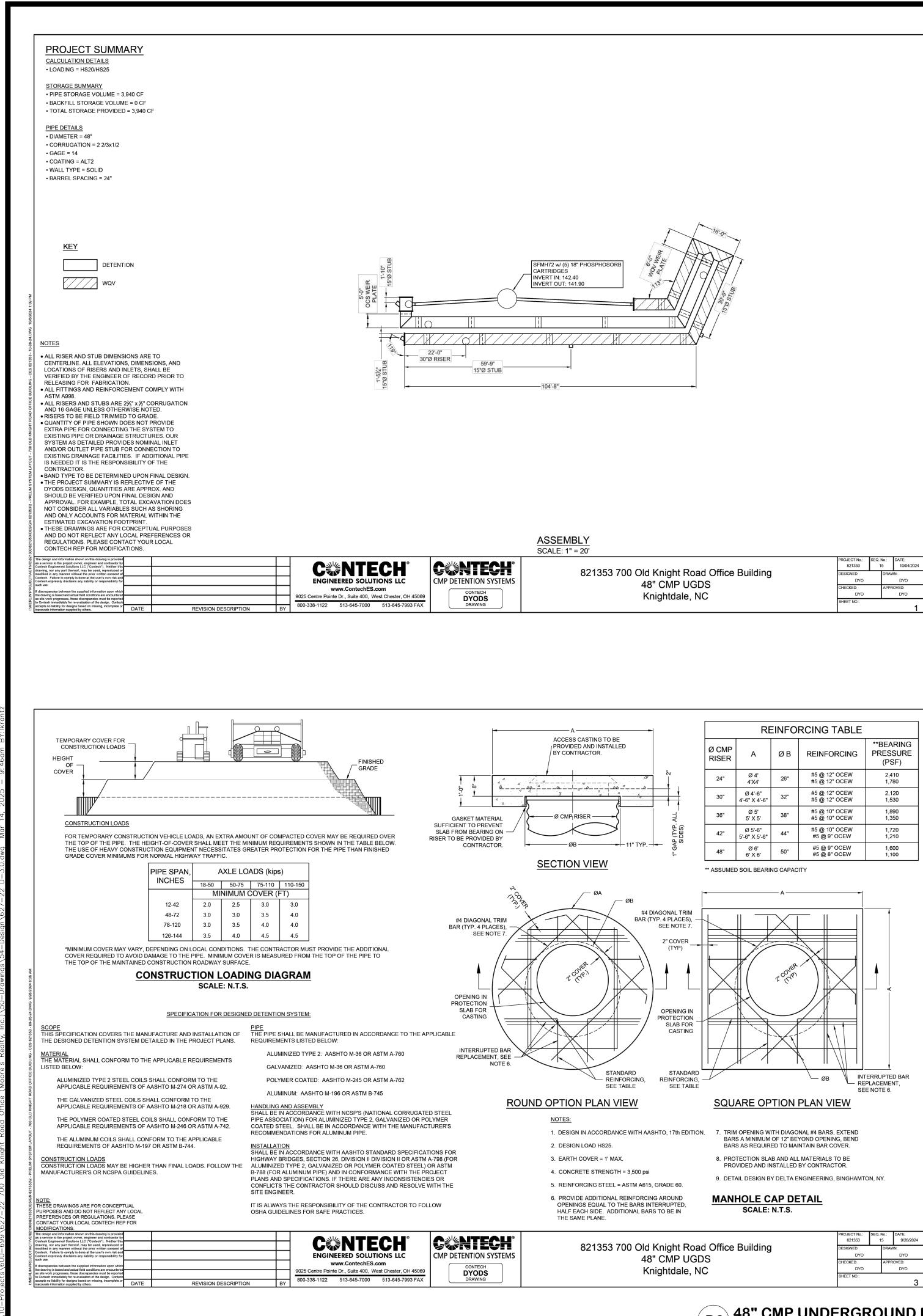




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	>96'		D/8	3" x 1", 5" x 1"		COVER DEPTH (FOR MIN. COVER, -	SE	(5A)		1• Y	·	ZONE —	
•	TOTAL CONVE FROM T PAVEMI ULTRAF WITH 3/	NTIONAL TOP OF PI ENT OR T FLO ALSO (4"x 3/4"x 7	PF COMPACT HIGHWAY LO PE TO BOTT OP OF RIGID	TED COVER FOI DADS IS MEASL OM OF FLEXIBL PAVEMENT FOR SIZES 18" JGATION	IRED .E		Â	3 2 TRI			DTH DEP		FILL ENVE
		BLE 2:							CM	P DET	ENTIO	N AND C	MP DR
		MA	TERIAL LOC	ATION			MATER	RIAL SPEC	IFICATI	NC		DESCRIPT	TION
												MINIMU	JM TRENC
		FILL	. ENVELOPE	WIDTH		I	PER EN	GINEER C	F RECC	ORD		ТН	E SUGGE
	2		FOUNDATIO	ON	AASI	нто 2	26.5.2 O	R PER EN	GINEEF	OF REC	CORD	1	R TO PLAC
	3		BEDDING	3	(APPRO			<b>43: 3, 357,</b> IAL EQUIV			DE CA-7)	ENGINEEF WELL GRA	
	4											•	
	<u>5</u> A	CI	RITICAL BAC	KFILL		۵	ASHTO	) M 145: A	-1, A-2, /	A-3 *		BACKFI THAT THE	
	5B)		BACKFILL	L			AASHTO	D M 145: A	A-1, A-2,	A-3		WELL GRA	ADED GRA
	6	C	OVER MATE	RIAL				/ER - SEE R - PER El					
		RIGID OR	FLEXIBLE P. APPLICABL	AVEMENT (IF _E)		I	PER EN	GINEER C	OF RECO	RD		FLEXIBI	LE PAVEM
	$\langle A \rangle$	OPTIO	NAL SIDE GE	EOTEXTILE				NONE					
			L GEOTEXTI LAYERS	LE BETWEEN				NONE				IF SOIL T	YPES DIFF
	NC • *	SPACIN	IG IS 36". CO	RREL INSTALLA ONTACT YOUR C NAL EQUIVALEN	ONTECH	REPI	RESENT	FATIVE FC	R NON	STANDA	RD SPAC 7, MIDOT	ING.	R 21AA ST
The design and information shown on this drawing is provided as a service to the project owner, engineer and contractor by Contech Engineered Solutions LLC ("Contech"). Neither this drawing, nor any part thereof, may be used, reproduced or drawing, nor any part thereof, may be used, reproduced or							-		§N	TE		®	C
nodified in any manner without the prior written consent of Contech. Failure to comply is done at the user's own risk and Contech expressly disclaims any liability or responsibility for such use.							1	ENGIN	EERED	SOLUT	IONS L		CMP D
	I					L	1	w	ww.Cor	ntechES.	com		
If discrepancies between the supplied information upon which the drawing is based and actual field conditions are encountered as site work progresses, these discrepancies must be reported to Contech immediately for re-evaluation of the design. Contech							9025	Centre Point	te Dr., Su	ite 400, W	est Cheste	r, OH 45069	

Knight Road Office Building	
" CMP UGDS	
nightdale NC	

APPROPRIATE ELEVATION WITH A COMPETENT BACKFILL MATERIAL. THE STRUCTURAL FILL MATERIAL GRADATION SHOULD NOT ALLOW THE MIGRATION OF FINES, WHICH CAN CAUSE SETTLEMENT OF THE DETENTION SYSTEM OR PAVEMENT ABOVE. IF THE STRUCTURAL FILL MATERIAL IS NOT COMPATIBLE WITH THE UNDERLYING SOILS AN ENGINEERING FABRIC SHOULD BE USED AS A SEPARATOR. IN SOME CASES, USING A STIFF REINFORCING GEOGRID REDUCES OVER EXCAVATION AND REPLACEMENT FILL QUANTITIES. BACKFILL PLACEMENT OGRID USED TO REDUCE BACKFILL -E AMOUNT OF UNDERCUT EFFECTIVE METHODS. GEOGRID WASN'T USED IAXIMUM UNBALANCE LIMITE O 2 LIFTS (APPROX. 16") NDERCUT AND REPLAC - 8" LOOSE LIETS GRADE THE FOUNDATION SUBGRADE TO A UNIFORM OR SLIGHTLY SLOPING GRADE, IF THE SUBGRADE IS CLAY OR RELATIVELY NON-POROUS AND THE CONSTRUCTION SEQUENCE WILL LAST FOR AN EXTENDED PERIOD OF TIME. IT IS BEST TO SLOPE THE GRADE TO ONE END OF THE SYSTEM. THIS WILL ALLOW EXCESS WATER TO DRAIN QUICKLY, PREVENTING SATURATION OF THE SUBGRADE. GEOMEMBRANE BARRIER A SITE'S RESISTIVITY MAY CHANGE OVER TIME WHEN VARIOUS TYPES OF SALTING AGENTS ARE USED, SUCH AS ROAD SALTS FOR DEICING AGENTS. IF SALTING AGENTS ARE USED ON OR NEAR THE PROJECT SITE. A GEOMEMBRANE BARRIER IS RECOMMENDED WITH THE SYSTEM. THE

REVISION DESCRIPTION

GEOMEMBRANE LINER IS INTENDED TO HELP PROTECT THE SYSTEM FROM THE TO THE END OF THE RECENTLY PLACED FILL, AND BEGIN THE SEQUENCE POTENTIAL ADVERSE EFFECTS THAT MAY RESULT FROM THE USE OF SUCH AGENTS INCLUDING PREMATURE CORROSION AND REDUCED ACTUAL SERVICE CONSTRUCTION SEQUENCE PROVIDES ROOM FOR STOCKPILED BACKFILL THE PROJECT'S ENGINEER OF RECORD IS TO EVALUATE WHETHER SALTING AGENTS WILL BE USED ON OR NEAR THE PROJECT SITE, AND USE HIS/HER

CMP DETENTION INSTALLATION GUIDE

APPROPRIATE FOR YOUR SITE.

ITS INTEGRITY DURING CONSTRUCTION.

FOUNDATION

WILL ENSURE LONG-TERM PERFORMANCE. THE CONFIGURATION OF THESE

FFER FROM CONVENTIONAL FLEXIBLE PIPE CONSTRUCTION. CONTECH

YSTEMS OFTEN REQUIRES SPECIAL CONSTRUCTION PRACTICES THAT

PRE-CONSTRUCTION MEETING WITH YOUR LOCAL SALES ENGINEER TO

CONSTRUCT A FOUNDATION THAT CAN SUPPORT THE DESIGN LOADING

IF SOFT OR UNSUITABLE SOILS ARE ENCOUNTERED, REMOVE THE POOR

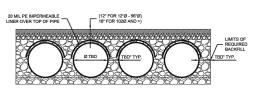
SOILS DOWN TO A SUITABLE DEPTH AND THEN BUILD UP TO THE

APPLIED BY THE PIPE AND ADJACENT BACKFILL WEIGHT AS WELL AS MAINTAIN

DETERMINE IF ADDITIONAL MEASURES, NOT COVERED IN THIS GUIDE, ARE

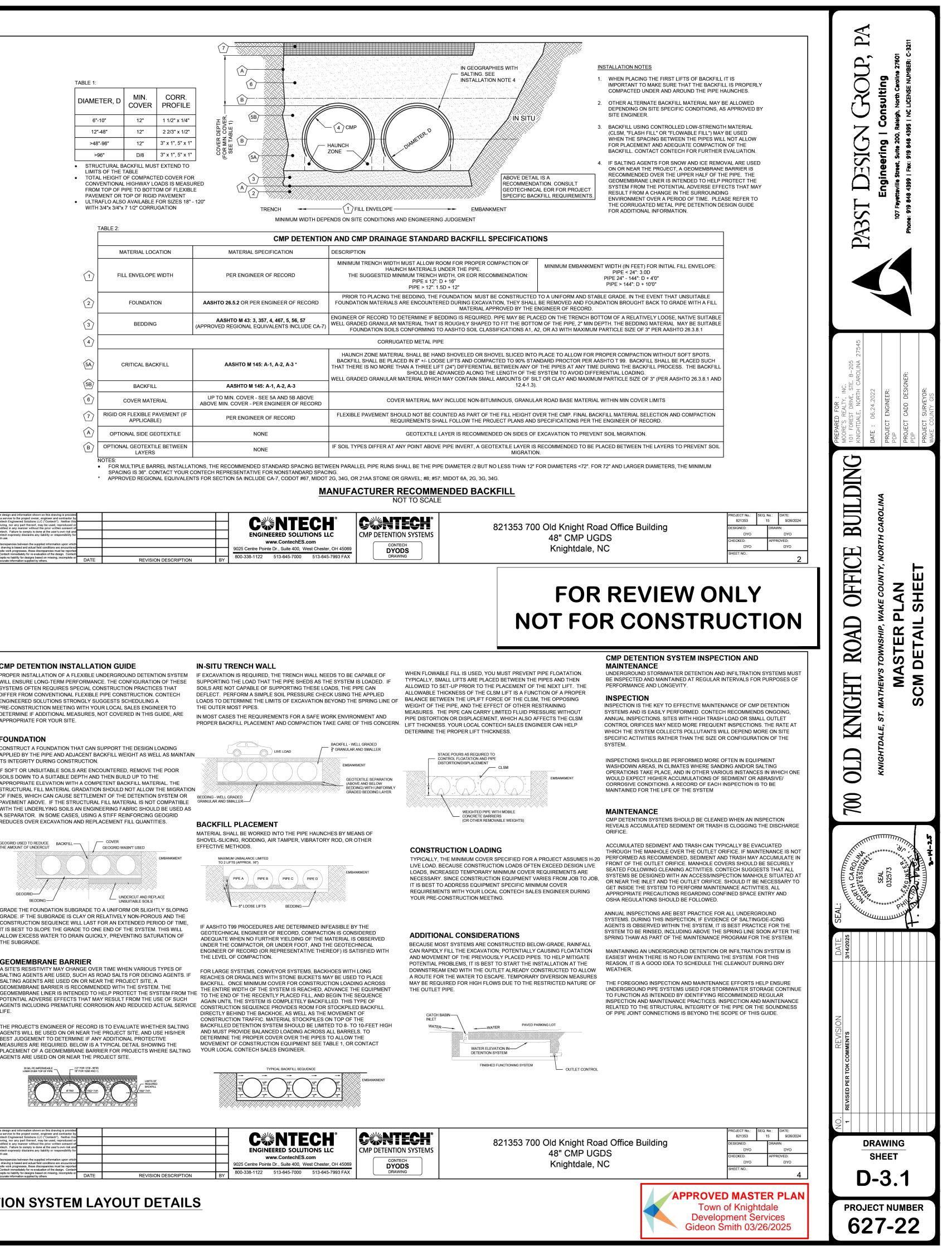
NGINEERED SOLUTIONS STRONGLY SUGGESTS SCHEDULING A

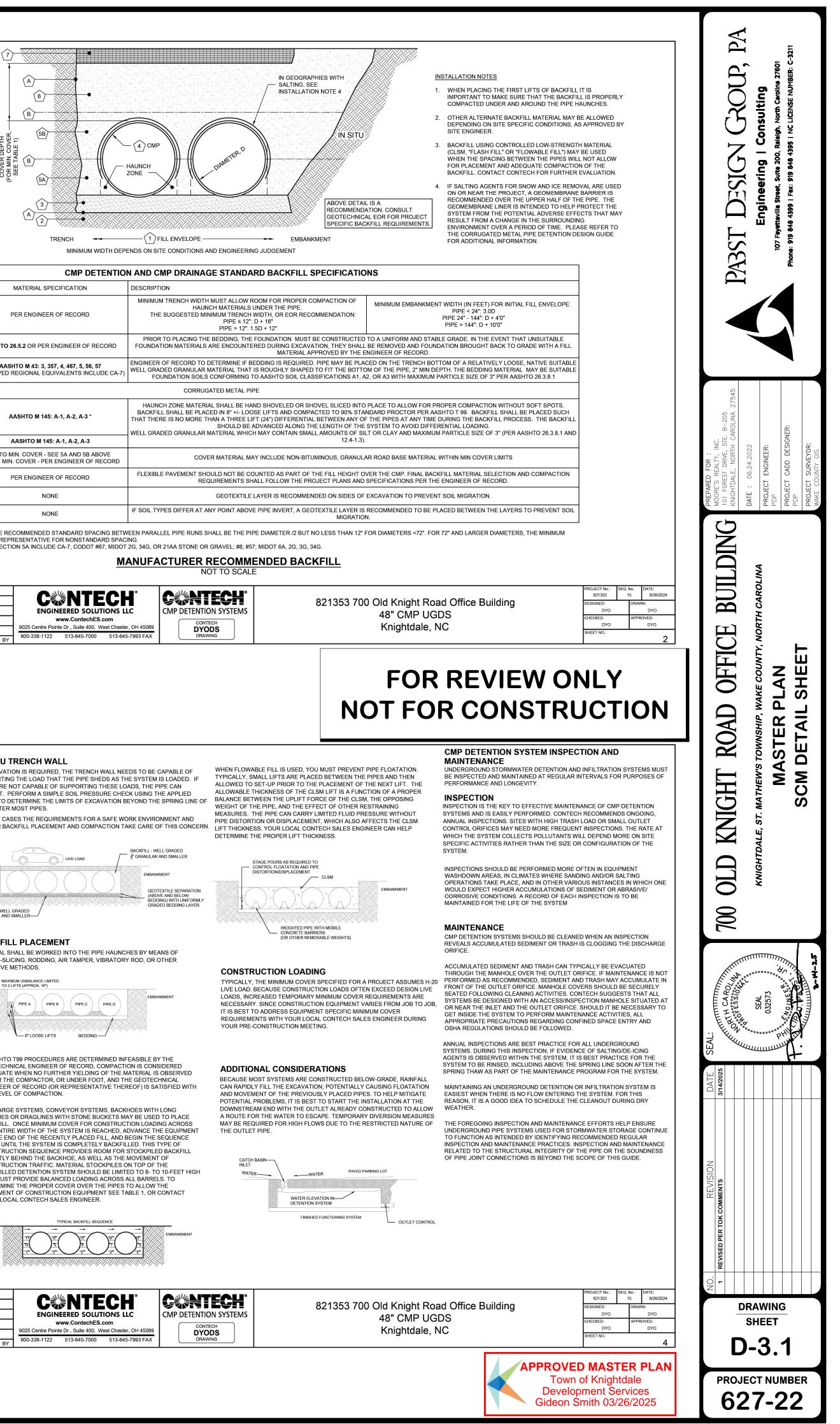
BEST JUDGEMENT TO DETERMINE IF ANY ADDITIONAL PROTECTIVE MEASURES ARE REQUIRED. BELOW IS A TYPICAL DETAIL SHOWING THE PLACEMENT OF A GEOMEMBRANE BARRIER FOR PROJECTS WHERE SALTING YOUR LOCAL CONTECH SALES ENGINEER. AGENTS ARE USED ON OR NEAR THE PROJECT SITE.



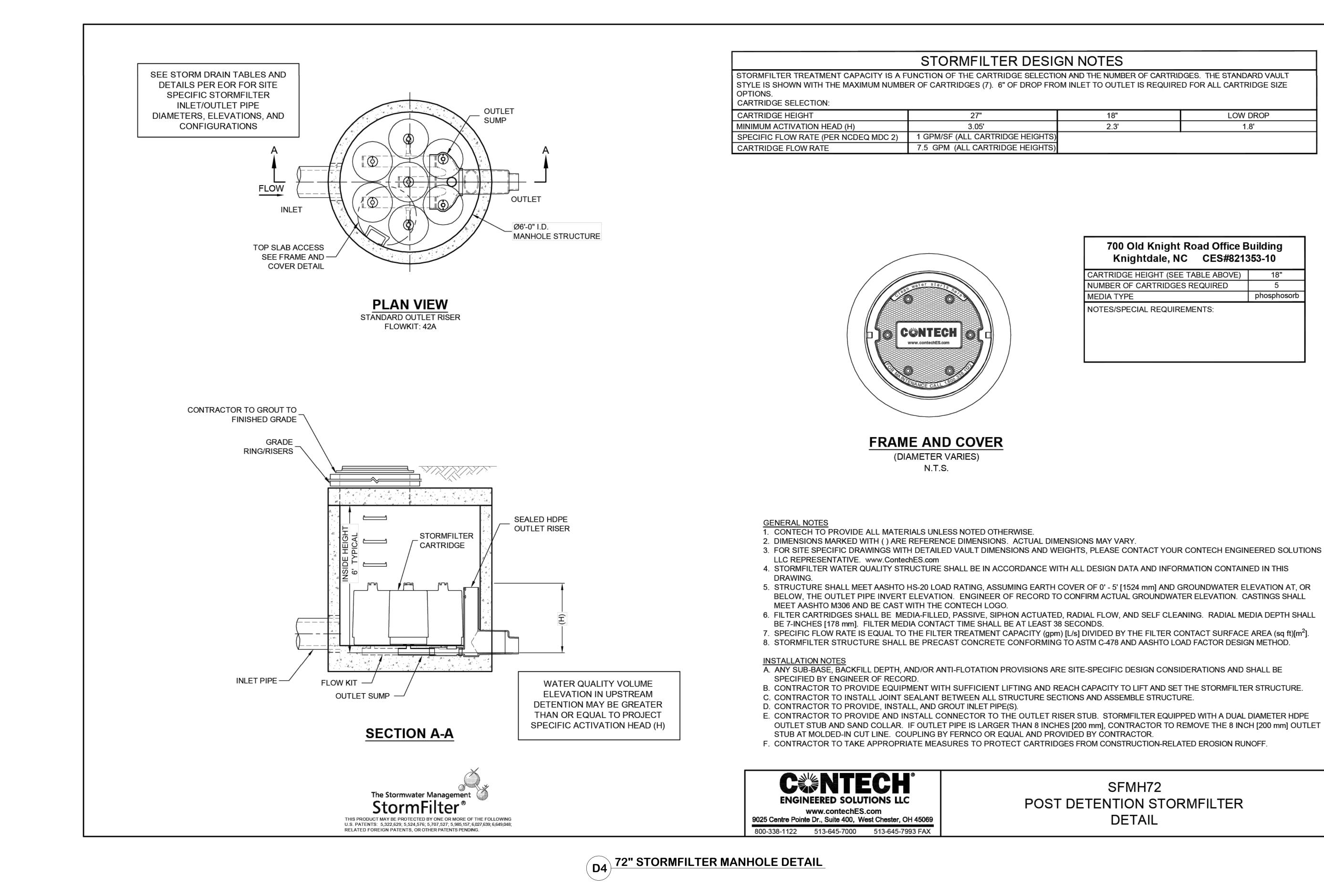
THE LEVEL OF COMPACTION. CONSTRUCTION TRAFFIC MATERIAL STOCKPILES ON TOP OF THE

DETERMINE THE PROPER COVER OVER THE PIPES TO ALLOW THE





## D3 48" CMP UNDERGROUND DETENTION SYSTEM LAYOUT DETAILS



### STORMFILTER DESIGN NOTES



	18"	LOW DROP
	2.3'	1.8'
HTS)		
IT ON		

700 Old Knight Road Office B Knightdale, NC CES#8213	
CARTRIDGE HEIGHT (SEE TABLE ABOVE)	18"
NUMBER OF CARTRIDGES REQUIRED	5
MEDIA TYPE	phosphosorb
NOTES/SPECIAL REQUIREMENTS:	

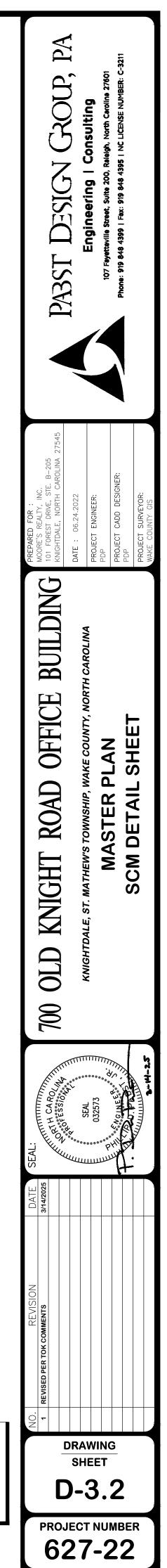
OUTLET STUB AND SAND COLLAR. IF OUTLET PIPE IS LARGER THAN 8 INCHES [200 mm], CONTRACTOR TO REMOVE THE 8 INCH [200 mm] OUTLET

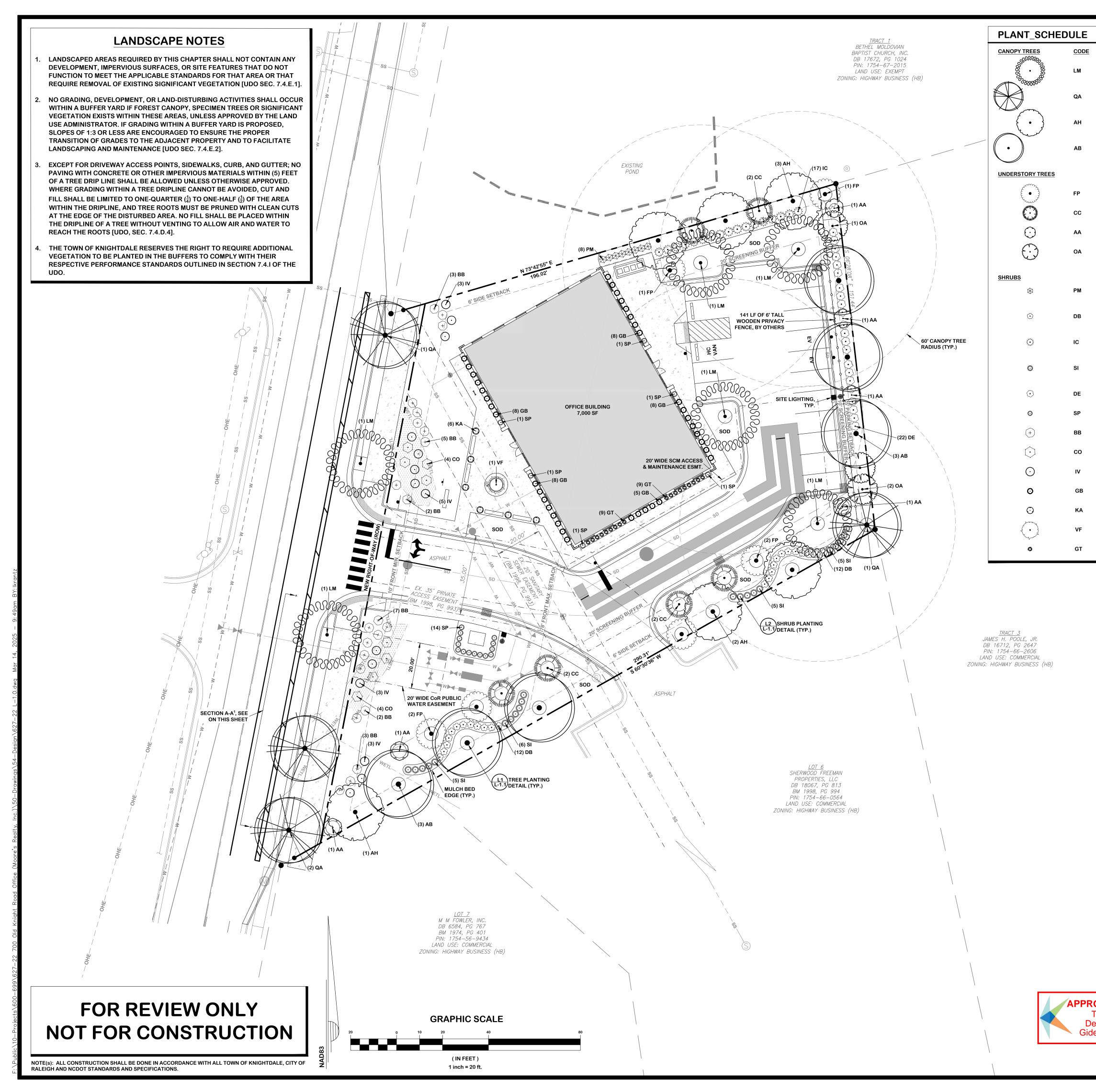
## SFMH72 POST DETENTION STORMFILTER DETAIL

**APPROVED MASTER PLAN** Town of Knightdale Development Services Gideon Smith 03/26/2025

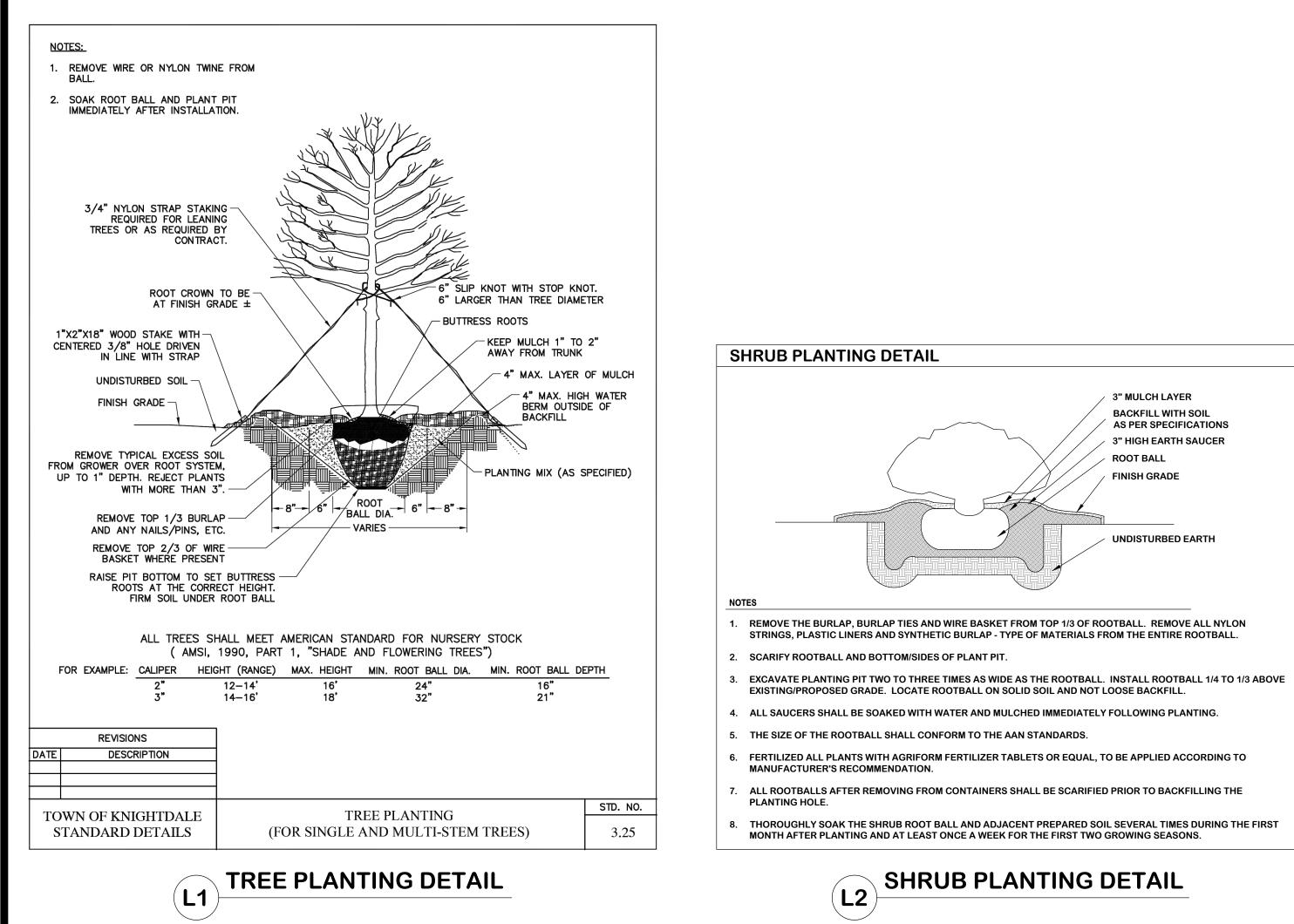
## FOR REVIEW ONLY **NOT FOR CONSTRUCTION**

NOTE(s): ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH ALL TOWN OF KNIGHTDALE, CITY OF RALEIGH AND NCDOT STANDARDS AND SPECIFICATIONS.

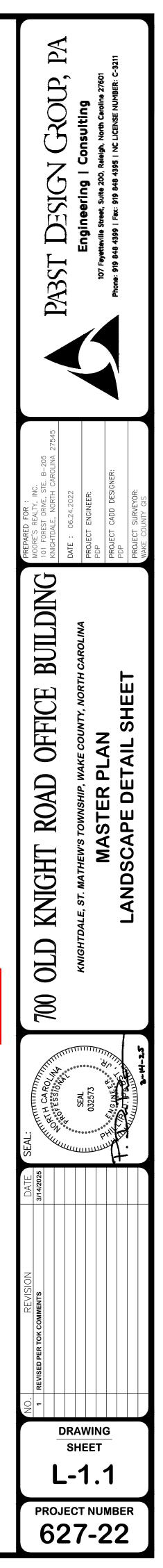




QTY	<u>%</u>	BOTANICAL / COMMON NAME	CALIPER	<u>HEIGHT</u>	CONTAINER	LOCATION	NATIVE (Y/S)	PA
6	27.3	Acer saccharum 'Legacy'	2" MIN.	8` MIN.	B&B	STREET, PARKING LOT	Y	
4	18.2	Legacy Sugar Maple Quercus acutissima Sawtooth Oak	2" MIN.	8` MIN.	B&B	STREET, SOUTH BUFFER	N	V GROUP, Consulting Raieigh, North Carolina 27601 Base I NC LICENSE NUMBER: C
6	27.3	Carpinus caroliniana American Hornbeam	2" MIN.	8` MIN.	B&B	NORTH & SOUTH BUFFERS	Y	g I Cor 200, Rateign
6	27.3	Acer rubrum 'Brandywine' Brandywine Maple Tree	2" MIN.	8` MIN.	B&B	EAST & SOUTH BUFFERS	Y	ST DESIGN GROUP, F Engineering I Consulting 107 Fayetteville Street, Suite 200, Raleigh, North Carolina 27601 e: 919 848 4399 I Fax: 919 848 4395 I NC LICENSE NUMBER: C-3211
6	28.6	Cercis canadensis `Forest Pansy` Forest Pansy Eastern Redbud	1.5" MIN.	6` MIN.	B&B	NORTH & SOUTH BUFFERS	Y	
6	28.6	Cotinus coggygria Smoketree	1.5" MIN.	6` MIN.	B&B	NORTH & SOUTH BUFFERS	Y	PA .
6	28.6	Amelanchier arborea Downy Serviceberry	1.5" MIN.	6` MIN.	B&B	EAST & SOUTH BUFFERS	Y	
3	14.3	Oxydendron arboreum Sourwood	1.5" MIN.	6` MIN.	B&B	EAST BUFFER	Y	
8	3.7	Podocarpus macrophyllus `Maki` Maki Shrubby Yew Podocarpus	<u>INSTALL</u> 36" MIN.	<u>MATURE HT.</u> 8-10`	MATURE WIDTH 3-4`	SCREENING (TRASH)	N	
24	11.0	Distylium `Blue Cascade` Blue Cascade Distylium	18" MIN.	3-4`	3-4`	SOUTH BUFFER	N	INA 27545
17	7.8	llex vomitoria `Condeaux` Bordeaux Yaupon Holly	18" MIN.	3-4`	3-4`	NORTH BUFFER	Y	E. B- CAROL
21	9.6	llex glabra `Shamrock` Shamrock Inkberry Holly	18" MIN.	3-5`	3-4`	SOUTH BUFFER	Y	ARED F E'S RE OREST ATDALE, ITDALE, ECT EN ECT EN COUN
22	10.1	Distylium x `PIIDIST-I` Emerald Heights Distylium	18" MIN.	5`	5`	EAST BUFFER	N	PREP MOOR 101 F KNIGH PROJ PDP PDP PROJ
20	9.2	llex crenata `Sky Pencil` Sky pencil Japanese Holly	36" MIN.	6-8`	1-3`	SCREENING (UTILITIES), FOUNDATION	N	
22	10.1	Callicarpa americana American Beautyberry	18" MIN.	3-8`	3-6`	ENHANCED ROADSIDE	Y	
8	3.7	Cephalanthus occidentalais Button bush	18" MIN.	5-8`	3-6`	ENHANCED ROADSIDE	Y	ROAD OFFICE BUILI TOWNSHIP, WAKE COUNTY, NORTH CAROLINA STER PLAN SSCAPE PLAN
14	6.4	ltea virginica 'Henry's Garnet' Henry's Garnet Virginia Sweetspire	18" MIN.	3-5`	3-5`	ENHANCED ROADSIDE	Y	
37	17.0	llex glabra 'Gem Box' Gembox Inkberry Holly	12" MIN.	3,	3`	FOUNDATION	Y	
6	2.8	Abelia x grandiflora 'Kaleidoscope' Kaleidoscope Abelia	12" MIN.	2-3`	3-4`	PUBLIC GATHERING SPACE	N	OFFI KE COUNTY LAN PLAN
1	0.5	Vitex x Flip Side Flip Side Chaste Tree	36" MIN.	8`	8,	PUBLIC GATHERING SPACE	N	
			INTERIOR P NO PARKIN CANOPY TR PARKING R <u>VEHICLE A0</u> VEHICLE A0 TYPE B BUF 3 CANOPY T NORTHERN	ARKING LOT I G SPACE SHA GEE. A DECIDU OW. DECIDUOUS C DECIDUOUS C CCOMODATIO CCOMODATIO FER YARD: PE TREES, 5 UNDI TYPE B BUFFI CANOPY TREI CANOPY TREI UNDERSTORY UNDERSTORY SHRUBS REQ SHRUBS PRO	OUS CANOPY TREES CANOPY TREES REC CANOPY TREES PRO N SCREENING (UDO N AREAS SHALL BE ER EVERY 100 LINE/ ERSTORY TREES, A ER SCREENING: 85 ES REQUIRED: 3 × 0 ES PROVIDED: 3 (TREES REQUIRED TREES REQUIRED (TREES PROVIDED UIRED: 20 × 0.85 = 1 VIDED: 17	$\frac{1}{0 \text{ SEC. } 7.4.J.}$ $\frac{0 \text{ SEC. } 7.4.J.}{60  FT FROM THE BASE OF A DECIENT OF FROM THE BASE OF A DECIENT OF FROM OF FROM OF F. SITE VIEVENT OF F. SITE VI$	ND OF EACH	700 OLD KNIGHT ROAD KNIGHTDALE, ST. MATHEW'S TOWNSHIP, WA MASTER PI LANDSCAPE
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			<u>TRASH REC</u> 20 SHRUBS	SHRUBS PRO EPTACLE SCF PER 100 LINE OFFSITE VIEW SHRUBS REQ SHRUBS PRO	REENING (UDO SEC AR FEET = 20% = 0. V SCREEN: 13.3 LF V UIRED: 7 VIDED: 8	<del>:. 7.5.E. &amp; 7.I.3.):</del> 5		DATE 3/14/2025
			STREET TR	STREET TREE STREET TREE ROADSIDE LA E ABOVE AND REQUIRED: LA THAN JUST S	10' AVG. 3 SITE ACCESS = 24 3 REQUIRED: 207 / 3 PROVIDED: 5 ANDSCAPING SHRU BEYOND UDO REQ	40 = 5.18 = 5 I <u>BS:</u> UIREMENTS AND BEYOND UDO REQUIREMEN	TS (MORE	REVISED PER TOK COMMENTS
Town evelop	of Kni oment	STER PLAN ghtdale Services 03/26/2025	DN A-A <sup>1</sup> (	100 LF OI	F ENHANCE	D ROADSIDE LANDS	CAPING)	DRAWING SHEET L-1.0 PROJECT NUMBER 627-22









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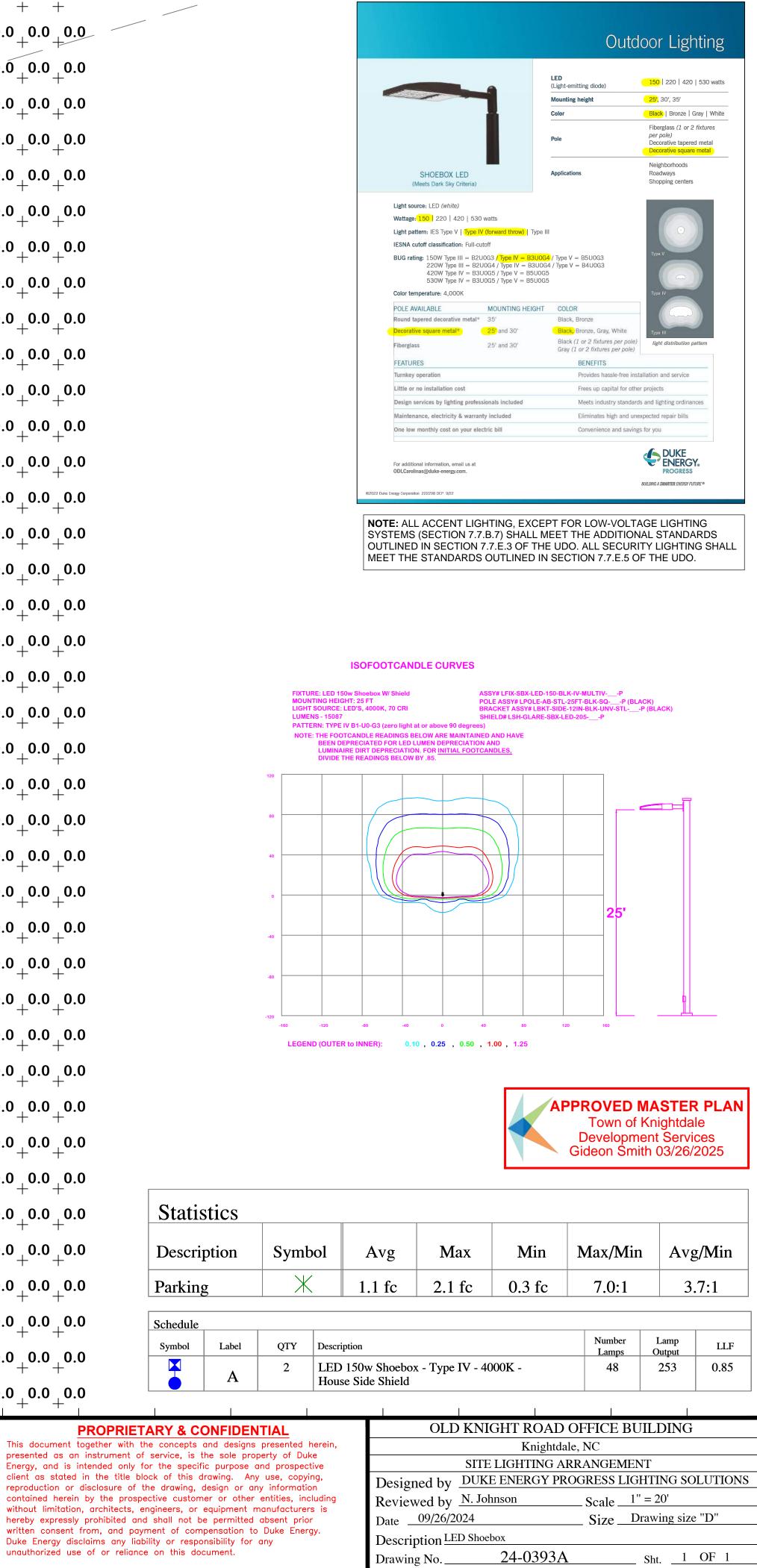


LIGHTING DESIGN TOLERANCE The calculated footcandle light levels in this lighting design are predicted values and are based on specific information that has been supplied to Duke Energy. Any inaccuracies in the supplied information, differences in luminaire installation, lighted area geometry including elevation differences, reflective properties of surrounding surfaces, obstructions (foliage or otherwise) in the lighted area, or lighting from sources other than listed in this design may produce different results from the predicted values. Normal tolerances of voltage, lamp output, and ballast and luminaire manufacture will also affect results.

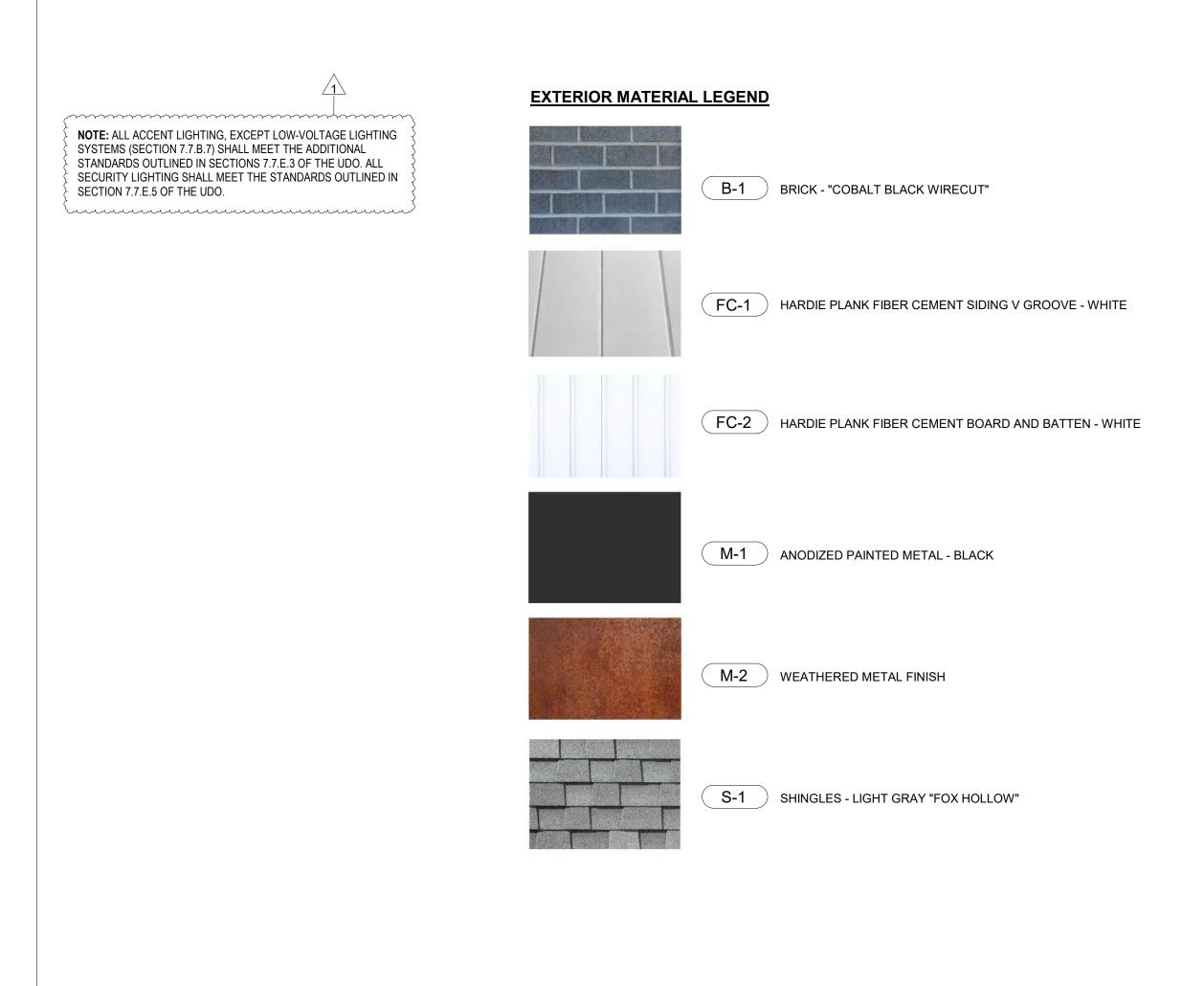


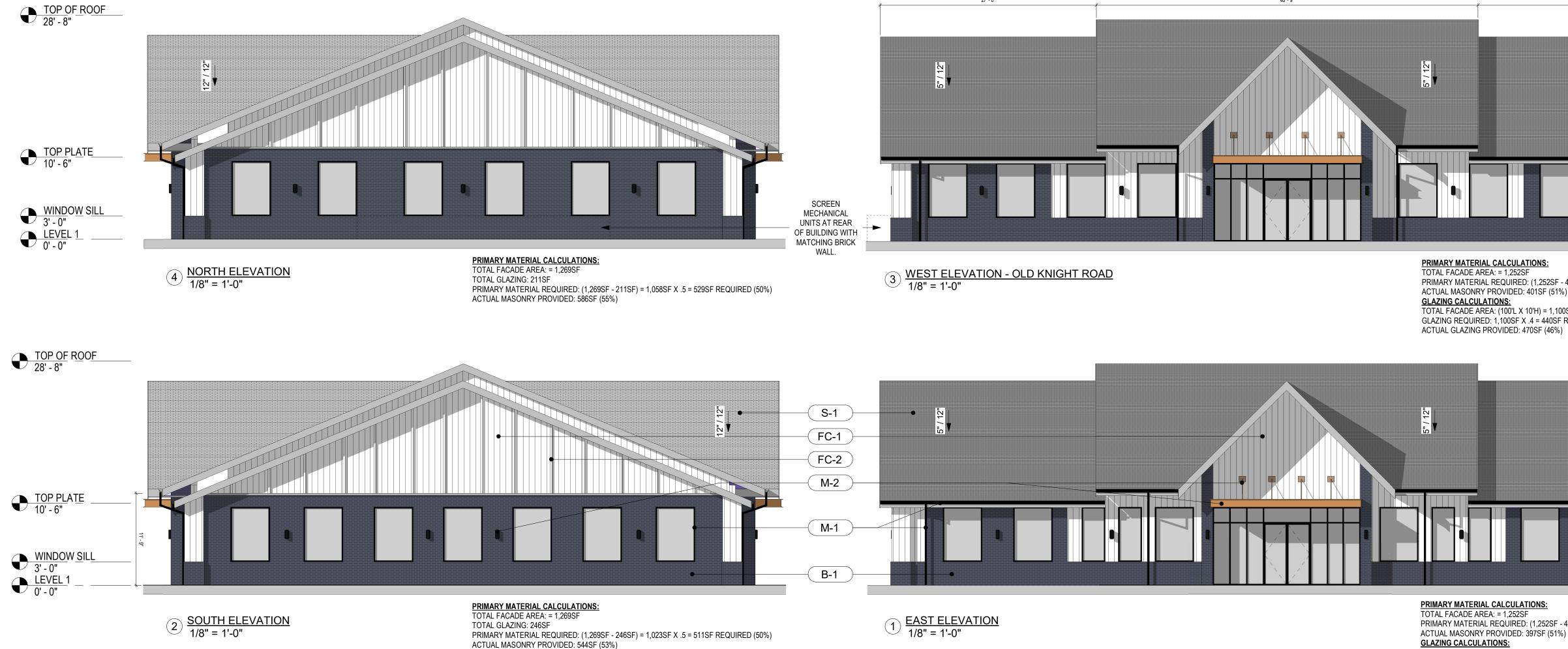
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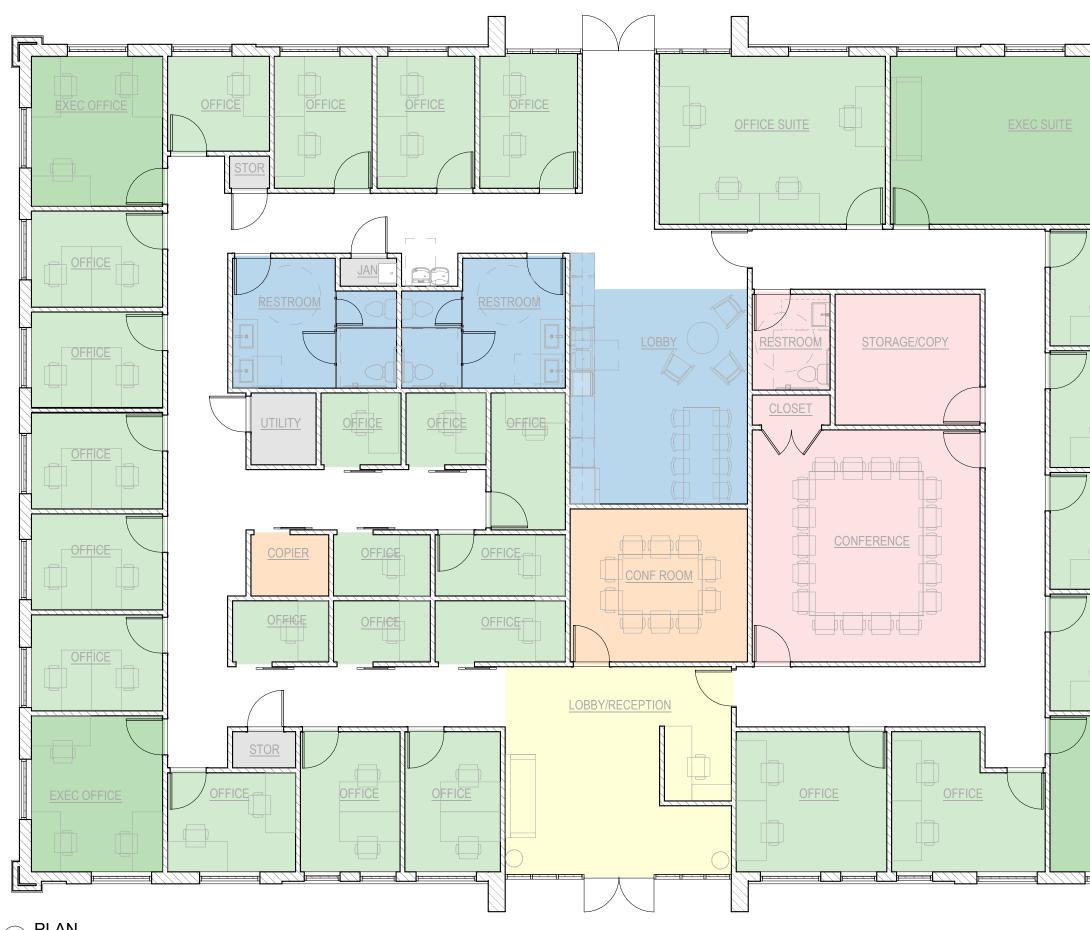
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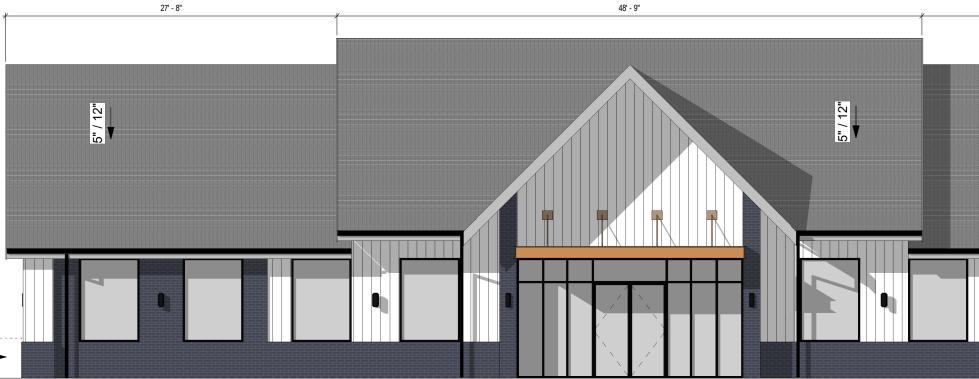
Drawing No.







5 <u>PLAN</u> 1/8" = 1'-0"



GLAZING CALCULATIONS: TOTAL FACADE AREA: (100'L X 10'H) = 1,100SF GLAZING REQUIRED: 1,100SF X .4 = 440SF REQUIRED (40%)



MOORE'S REALTY INC. 101 FOREST DRIVE SUITE B - 205 KNIGHTDALE, NC 27545







### PRELIMINARY NOT FOR CONSTRUCTION

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No.	Date	Description
1	12/13/2024	SKETCH PLAN COMMENT REVISIONS
L		

## MOORE'S REALTY & COWORKING

PROJECT # 2083

DATE 12/13/2024

### 700 OLD KNIGHT RD KNIGHTDALE, NC 27545

 $\bigcirc$ / PLAN NORTH TRUE NORTH

> SCALE As indicated

> > SHEET NAME

## ELEVATIONS, PLAN, & DETAILS

SHEET NUMBER





Furini Architects, Pllc N.C. Office: 919.646.5811 N.Y.C. Office: 646.685.8866 www.FuriniArchitects.com



MOORE'S REALTY & COWORKING 700 OLD KNIGHT RD KNIGHTDALE, NC 27545 DATE: 09/30/2024





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