# MASTER PLAN FOR: OLD KNIGHT ROAD OFFICE BUILDING KNIGHT DALE, WAKE COUNTY, NORTH CAROLINA 27545 TOK PROJECT #ZCP-8-24

### **CONTACT LIST**

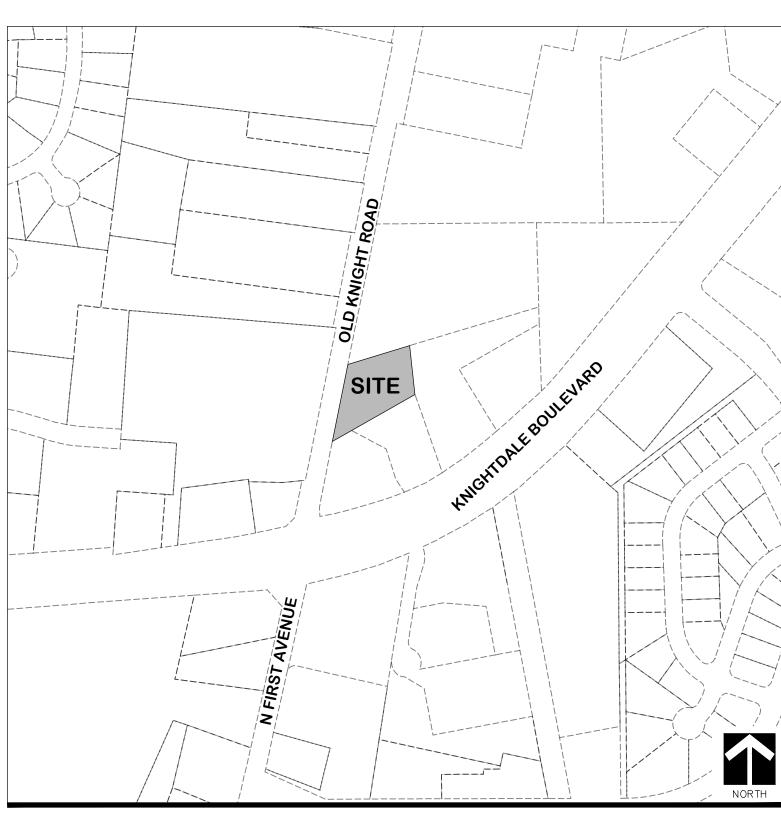
- TOWN OF KNIGHTDALE DEVELOPMENT SERVICES: GIDEON SMITH, AICP SENIOR PLANNER gideon.smith@knightdalenc.gov 950 STEEPLE SQUARE COURT KNIGHTDALE, NC 27545 TEL: 919-217-2245
- TOWN OF KNIGHTDALE DEVELOPMENT SERVICES: HEIDI SALMINEN PLANNING TECHNICIAN heidi.salminen@knightdalenc.gov 950 STEEPLE SQUARE COURT 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				
PROPOSED IMPROVEMENT POINTS AWARDED				
SINGLE USE OFFICE 41 BASE POINTS				
ENHANCED ROADSIDE LANDSCAPING	2 BONUS POINTS			
UNDERGROUND CISTERN 5 BONUS POINTS				
OUTDOOR DISPLAY OF PUBLIC ART 4 BONUS POINTS				
TOTAL = 52 POINTS				

	GINEERING	Transportation - Planning - Bridge/Structural Civil/Site - Utilities - Construction Observation Survey/SUE	Transportation - Planning - Bridge/Stru Civil/Site - Utilities - Construction Obse
WE Design Your	Tomorrow		
MEMORANI	DUM		
TO:	Luke Krantz, E.I. Pabst Design Gro		
FROM:	Lawrence Green,	PE, PTOE	
DATE:	September 17, 202	24	
SUBJECT:	700 Old Knight R	oad, Knightdale, North Carolina 27545 -	- Proposed Office Development
generation, th utilized. Show - AM F - PM P	a proposed 7,000 sq ne Institute of Trans wn below are the pro- Peak Hour – 11 (9 IN eak Hour – 10 (2 IN Trips – 76 (38 IN &	1 & 2 OUT) & 8 OUT)	ition Manual, 11 <sup>th</sup> Edition was
<u>CONCLUSI</u>	<u>ON</u>		
to generate 3,	,000 or more daily th	a Traffic Impact Study are for proposed derips. As shown by the trip generation a will not exceed the NCDOT requirement	ssessment above, the proposed



 $\begin{array}{rcr} VICINITY & MAP \\ 1 & "= & 300 \end{array}$ 

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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, PRINCIPAL
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

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	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 IMPERVIOUS:	ONSITE: ±0.08 ACRES (3,568 SF) OFFSITE: ±0.04 ACRES (1,787 SF) TOTAL: ±0.12 ACRES (5,355 SF)
POST-DEVELOPED IMPERVIOUS:	ONSITE: ±0.52 ACRES (22,541 SF) OFFSITE: ±0.13 ACRES (5,632 SF) TOTAL: ±0.65 ACRES (28,173 SF)
PROPOSED LAND DISTURBANCE:	±1.19 ACRES (51,969 SF)
PROPOSED BUILDING TYPE:	OFFICE, PROFESSIONAL SERVICES
PRINCIPAL BUILDING SETBACKS:	REAR SETBACK: 0' (MIN) 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 PROPOSED = 7,000 GFA
BUILDING HEIGHT:	MAX. BUILDING HEIGHT: 70'-0" (5 STORIES) PROPOSED BUILDING HEIGHT: 28'-8" (1 STORY)
MINIMUM PARKING REQUIREMENTS:	PROFESSIONAL SERVICES: 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**

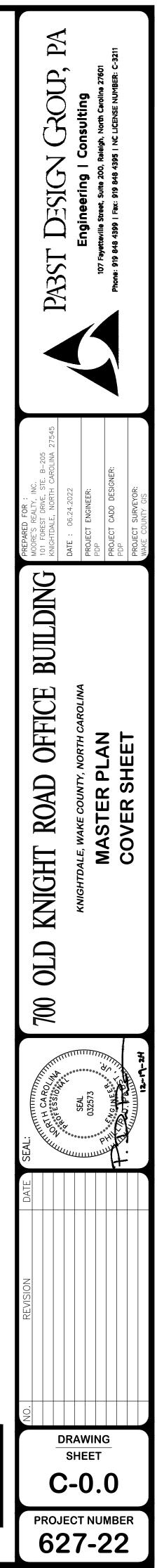
ALL DEVELOPMENT IS SUBJECT TO VAR-5-22 AS RECORDED IN BOOK 019337 PAGES 01398-01402 OF THE WAKE COUNTY REGISTER OF DEEDS.

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

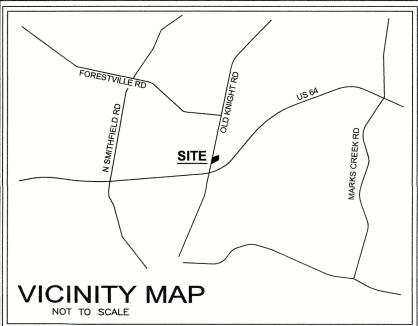
- ALL DEVELOPMENTS FEATURING ON-SITE PARKING LOTS SHALL BE DESIGNED TO ALLOW FOR CROSS-ACCESS TO ADJACENT PROPERTIES TO ENCOURAGE SHARED PARKING. [UDO SEC. 7.1(J)(3)]
- PROVIDING CROSS-ACCESS TO THE NORTHERN ADJACENT PROPERTY IS IMPRACTICAL DUE TO ENVIRONMENTAL CONSTRAINTS INCLUDING AN EXISTING STREAM 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]

## 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.



#### LEGEND and NOMENCLATURE

SYM	BOLS	LINETYPES		
0	Ex. iron pipe/rod or nail	x	- Fence	
	Ex. concrete monument	OU	<ul> <li>Overhead utility</li> </ul>	
۲	New iron pipe	W	- Water	
o	Calculated point	SS	<ul> <li>Sanitary sewer</li> </ul>	
C	Cable pedestal	SD	<ul> <li>Storm drain</li> </ul>	
Ξ	Telephone pedestal			
E	Electric pedestal	ABBREVIA	TIONS	
E	Fiber-optic marker	DB	Deed Book	
S	Traffic signal box	PB or BM	Plat Book / Book of Ma	
<b>S</b> 0	Water meter	N/F	Now or formerly	
V	Fire hydrant	Pg.	Page	
$\boxtimes$	Valve (water or gas)	SF	Square feet	
(S) (9	Sanitary sewer manhole	Ac.	Acres	
۲	Sanitary sewer cleanout	R/W	Right-of-way	
	Storm curb inlet	NCSR	North Carolina State F	
Ē	Drainage inlet (w/ grate)	NCDOT	North Carolina Dept.	
Ō	Storm drain manhole	R/W	Right-of-way	
Š,	Utility pole	Ex.	Existing	
¥.	Lamp post	RCP	Reinforced concrete p	
-A-	Signal pole	PVC	Polyvinyl chloride pipe	
		(M)	Measured	

Sign post

Above ground Below ground

#### NOTES:

noted. Area(s) computed by coordinate geometry.

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.

22, 2023.

encumbrances, restrictive covenants, ownership title evidence or any other facts that an

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

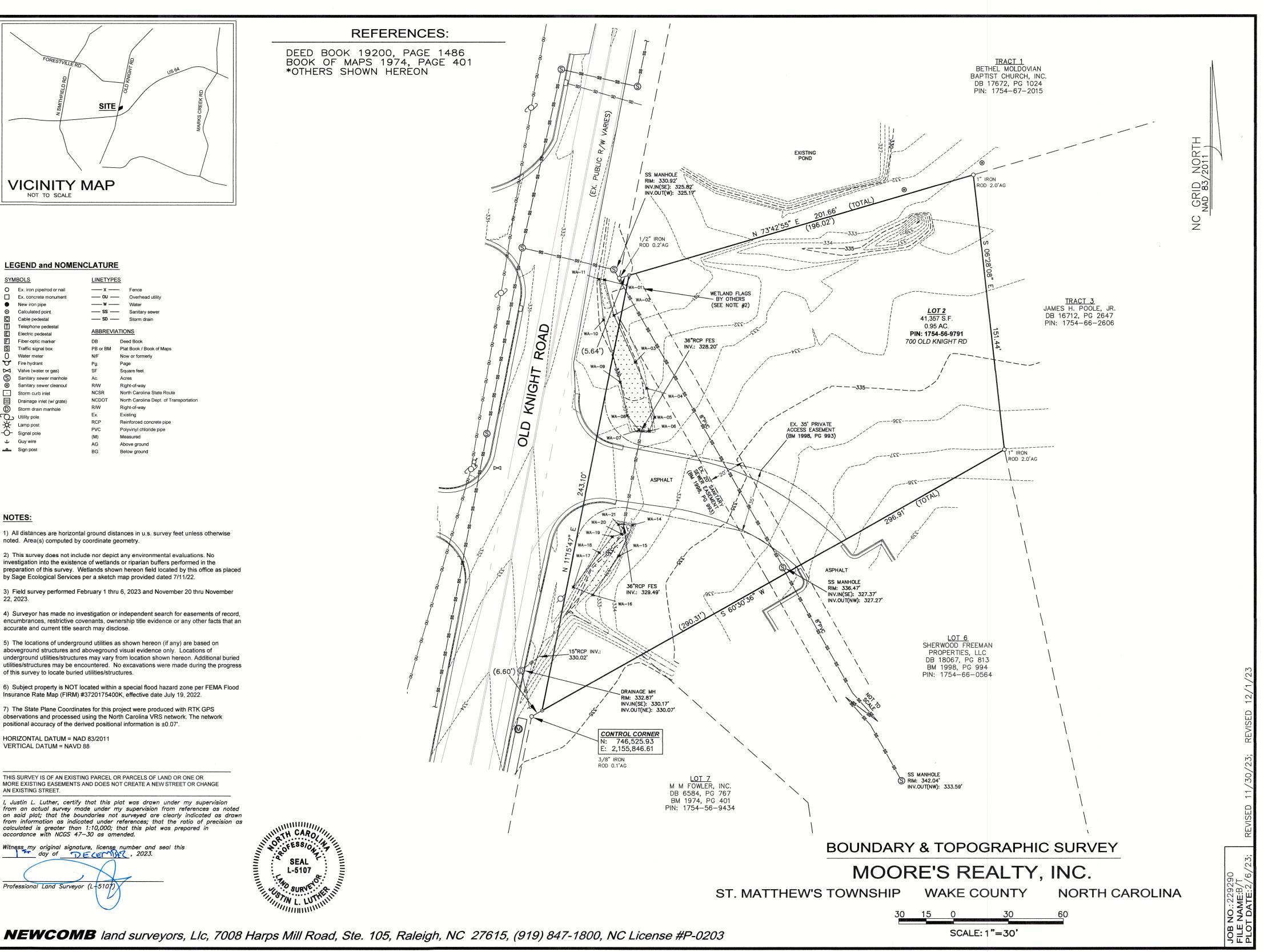
Insurance Rate Map (FIRM) #3720175400K, effective date July 19, 2022.

observations and processed using the North Carolina VRS network. The network positional accuracy of the derived positional information is ±0.07'.

MORE EXISTING EASEMENTS AND DOES NOT CREATE A NEW STREET OR CHANGE

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.

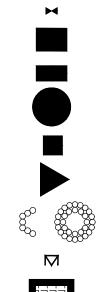




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SYMBOLS

	LIMITS OF CONSTRUCTION
— — — — — LOD —	LIMITS OF DISTURBANCE
LOD/LOC =	LIMITS OF DISTURBANCE & CONSTRUCTION
— — — — — UKN UTIL —	EXISTING UNKNOWN UTILITY
TV	EXISTING TV
UT	EXISTING TELEPHONE
COMM	EXISTING COMMUNICATIONS
CTV	EXISTING CATV
F0	EXISTING FIBER OPTIC
w	EXISTING WATER PIPE
FM	EXISTING WATER FORCE MAIN
	EXISTING WATER FIRE LINE
SS	EXISTING SANITARY SEWER PIPE
FS	EXISTING SANITARY SEWER FORCE MAIN
SD	EXISTING STORM PIPE
G	EXISTING GAS PIPE
OHE	EXISTING OVERHEAD ELECTRIC
UE	EXISTING UNDERGROUND ELECTRIC
x x x	EXISTING FENCE
TPF	EXISTING TREE PROTECTION FENCE
SF-TF	EXISTING SILT/TREE PROTECTION FENCE
00	
	EXISTING TREE LINE
•   / / / / / / / / / / / / / / / / / /	EXISTING UTILITY TO BE REMOVED
w	PROPOSED WATER PIPE
FM	PROPOSED WATER FORCE MAIN
WF	PROPOSED WATER FIRE LINE
SS	PROPOSED SANITARY SEWER PIPE
FS	PROPOSED SANITARY SEWER FORCE MAIN
SD	PROPOSED STORM PIPE
G	PROPOSED GAS PIPE
	PROPOSED OVERHEAD ELECTRIC
	PROPOSED UNDERGROUND ELECTRIC
x x x	
	PROPOSED SILT/TREE PROTECTION FENCE
	PROPOSED TEMPORARY SILT FENCE PROPOSED TEMPORARY DIVERSION DITCH
FFE	FINISHED FLOOR ELEVATION
FL	FLOW LINE
FL TC	TOP OF CURB
TG	TOP OF CORB
EOP	EDGE OF PAVEMENT
ТР	
TW	TOP OF WALL
BW	BOTTOM OF WALL
	JULION OF WALL







— — — — — SS —

— — — — SD —

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

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

\_ \_ \_ COMM-



<b>LINETYPES</b>	
x x x	FENCE
— — — — — OHE—	OVER

CE RHEAD UTILITY WATERLINE (BLUE PAINT) SANITARY SEWER STORM DRAIN

UNDERGROUND ELECTRIC (RED PAINT) GAS LINE (YELLOW PAINT) COMMUNICATIONS / FIBER (ORANGE PAINT)

### ABBREVIATIONS

DB	DEED BOOK
PB or BM	PLAT BOOK / BOOK OF MAPS
PG.	PAGE
SF	SQUARE FEET
AC.	ACRES
R/W	RIGHT-OF-WAY
EX.	EXISTING
D.I.	DROP INLET (STORM)
<i>C.I.</i>	CURB INLET (STORM)
AG	ABOVE-GROUND
BG	BELOW-GROUND
0/H	OVERHANG

FOR REVIEW ONLY **NOT FOR CONSTRUCTION** 

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### SURVEY NOTES

**EXISTING CONCRETE** 

**EXISTING ASPHALT** 

EXISTING RIP RAP

EXISTING GRAVEL

EXISTING VEGETATION

EXISTING WETLANDS

PROPOSED CONCRETE

PROPOSED ASPHALT

PROPOSED RIP RAP

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

**BLOCK AND GRAVEL INLET PROTECTION** 

PROPOSED VALVE

PROPOSED HOTBOX

PROPOSED SW INLET

SILT FENCE OUTLET

CONCRETE WASHOUT

PROPOSED FIRE HYDRANT ASSEMBLY

PROPOSED BLOW OFF ASSEMBLY

EXISTING RIPARIAN BUFFER

PROPOSED HEAVY DUTY ASPHALT

PROPOSED AMENITY SPACE

PROPOSED PAVEMENT REPAIR

PROPOSED TREE PRESERVATION

PROPOSED CONSTRUCTION ENTRANCE

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THE ADDRESS OF ADDRESS

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EXISTING STRUCTURE TO BE REMOVED

### COMPUTED BY COORDINATE GEOMETRY.

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

- POSITIONAL INFORMATION IS ± 0.07

### **DEMOLITION NOTES:**

- APPROPRIATE UTILITY COMPANY

- AT NO ADDITIONAL COST TO THE OWNER.
- DEMOLITION EQUIPMENT AROUND UTILITIES.
- ACTIVITIES.

# DISPOSITION

- FROM DAMAGE.
- 17. SALVAGEABLE FILL MATERIALS FROM SITE DEMOLITION DETERMINED TO BE ACCEPTABLE BY AN INDEPENDENT SOILS
- CONSTRUED AS INFORMATION ONLY.
- AND FEDERAL RULES AND REGULATIONS.

- DEPARTMENT STANDARDS

### SITE LAYOUT NOTES:

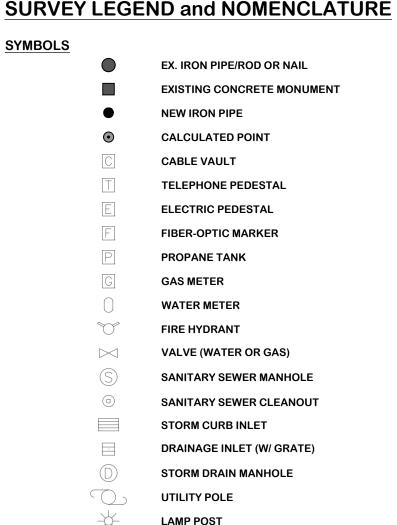
- 5. ALL RADII TO BE 3'-0" BOC UNLESS OTHERWISE NOTED.
- 6. VERIFY ALL SETBACKS WITH LOCAL CODES.
- ACCESSIBILITY GUIDELINES

- ELEVATION (I.E. RAMP NOT PROVIDED).

- 14. ALL ROOF DRAINS SHALL BE DIRECTED TO STORM DRAIN SYSTEM.
- CONDITIONS PRIOR TO CONSTRUCTION

## **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



SIGNAL POLE

GUY WIRE

SIGN POST

HVAC

-( )-

\_\_\_\_

HIGH POINT

LOW POINT

FLOW DIRECTION

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. ENCLUMBRANCES. 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 (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

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

3. 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.

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

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

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 INITIATION OF DEMOLITION ACTIVITIES.

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

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

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

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.

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

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

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

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.

3. 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.

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 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

12. NEW WHITE PAINT DIRECTIONAL ARROWS SHALL BE IN ACCORDANCE WITH LATEST REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL" FOR LOW SPEED URBAN CONDITIONS.

13. CONTACT THE NORTH CAROLINA ONE CALL CENTER PRIOR TO DOING ANY DIGGING. 1-800-632-4949

15. ALL TRAFFICWAYS, INCLUDING DRIVEWAYS, ALLEYWAYS, ETC., SHALL REMAIN ACCESSIBLE TO RESIDENTIAL AND EMERGENCY VEHICLES THROUGHOUT PROJECT DURATION.

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

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.

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 UTILITI 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 PERI PRIVATE UTILITIES.

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

1. 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.
- 9. 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.

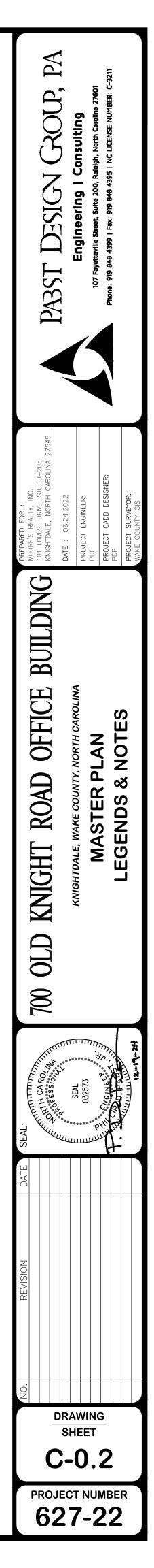
TOPSOIL	10. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE &/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION.	PA
ED IN THE	11. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION.	27601 SER: C-32
ITE. THIS	12. CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX-B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA. THESE	2 ≅ Ĕ
OF WORK	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 SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE	
RMIT FOR	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.	CON Raleigh 395 I NG
ROW SITE	GENERAL PLANTING NOTES:	Ling
DY HAS A	1. ALL LANDSCAPING SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES AND SHALL MEET ALL STANDARDS AS STATED IN THE LATEST EDITION OF 'AMERICAN STANDARD FOR NURSERY STOCK'.	
TH, 2023.	2. PLANT LIST QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. IN THE EVENT OF QUANTITY DISCREPANCIES, THE DRAWINGS SHALL TAKE PRECEDENCE.	Engli Fayetteville S 9 848 4399
MATION.	3. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER OR LANDSCAPE DESIGNER.	O7 Faye
) 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 ER:
	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.	7, INC. 7, INC. NE, STE. B- ORTH CARO ORTH CARO DESIGNER: DESIGNER: GIS GIS
	13. 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.	D FOR REALT ST DR ST DR LE, N D6.24. D6.24. CADD CADD CADD
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
OVISIONS, BLIC LAW	15. FOUNDATION PLANTINGS WILL BE PLANTED ALONG BUILDING FOUNDATIONS THAT FACE A STREET. 16. ALL LANDSCAPING WILL BE MAINTAINED IN PERPETUITY.	
D HEALTH	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.	CDING
TO MEAN E. HORITIES. TIES AND	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.	BUIL
y of the 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>	FICE
, TESTING	<ol> <li>OBTAIN A LAND-DISTORBANCE FERMIT.</li> <li>OBTAIN AN APPROVED (STAMPED) E&amp;S CONTROL PLAN AND KEEP IT ON SITE, EITHER IN THE INSPECTION BOX, CONSTRUCTION OFFICE OR WITH THE CONTRACTOR.</li> </ol>	OFFIC IORTH CAROLI AN IOTES
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	OF NOT NOT
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	AD R P S &
D TO THE	<ol> <li>INSTALL ALL PERIMETER CONTROLS AS SHOULD ON THE APPROVED PLANS, CLEAR ONET AS NECESSART TO INSTALL THESE DEVICES. CLEARING SHOULD BE LIMITED TO A 35' "RIBBON" AROUND PERIMETER TO INSTALL CONTROLS. NO GRADING OR EXCAVATION SHOULD OCCUR.</li> <li>SCHEDULE AN ONSITE PRE-CONSTRUCTION MEETING WITH THE TOWN OF KNIGHTDALE TO INSPECT THE INSTALLED</li> </ol>	ROAD OF WAKE COUNTY, NORTH ASTER PLAN ENDS & NOT
MATION.	PERIMETER CONTROLS. 7. IF APPROVED, PROCEED WITH INSTALLING OTHER MEASURE AS SHOWN ON THE APPROVED PLANS. CLEAR ONLY AS	
TIFY THE	NECESSARY TO INSTALL THESE DEVICES. 8. CALL TOWN OF KNIGHTDALE EROSION CONTROL INSPECTOR TO SCHEDULE AN ONSITE INSPECTION AND OBTAIN A	NIGHT KNIGHTDALE M.
RALEIGH	CERTIFICATE OF COMPLIANCE. 9. BEGIN CLEARING AND GRUBBING. MAINTAIN DEVICES AS NEEDED. ROUGH GRADE SITE.	KNIGH KWIGHTD
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.	
E UTILITY	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.	OLD
RMIT FOR	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.	
	13. CUT AND FILL SLOPES WILL BE STABILIZED WITHIN 14 DAYS OF ANY PHASE OF GRADING. (SEE STABILIZATION CRITERIA ON SHEET D-4.1).	00/
ANDARDS,	14. INSTALL CURB AND GUTTER, CABC STONE, AND SIDEWALK IN ALL HARDSCAPE AREAS.	
R SUPPLY	15. STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION AND PAVING, ESTABLISH GROUND COVER ON DENUDED AREAS WITH FOURTEEN (14) DAYS OF COMPLETION OF PROJECT.	L'UNA - COL
LATERAL ALLED TO A PRIVATE	16. 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.	CARON FESSION SEAL 032573 032573
BE 10'. IF	17. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THE EROSION CONTROL DEVICES SO THEY CONTINUE TO FUNCTION PROPERLY.	THE PARA CHINA
ie water P of the Outside	E&S CONSTRUCTION SEQUENCE - PHASE 2:	SEAL
	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.	DATE
	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.	
ACILITIES, N 24" MIN.	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	
ARATIONS CORPUD	PROTECTION) INTO SILT BAG AND DISPOSE OF APPROPRIATELY. 4. CUT AND FILL SLOPES WILL BE STABILIZED WITHIN 14 DAYS OF ANY PHASE OF GRADING. (SEE STABILIZATION CRITERIA	
VERTICAL	ON SHEET D-4.1). 5. FINISH INSTALL OF CURB AND GUTTER, CABC STONE, PAVEMENT AND SIDEWALK IN ALL HARDSCAPE AREAS, WHERE	KEVISION
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 EQUIPTEEN DAYS (14) DAYS OF COMPLETION OF PROJECT.	
SINESSES D BY A 24	COVER ON DENUDED AREAS WITHIN FOURTEEN DAYS (14) DAYS OF COMPLETION OF PROJECT. 7. 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.	
UIRED ON	8. WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL EROSION CONTROL INSPECTOR FOR AN INSPECTION.	
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.	ÖZ
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. 12. MAINTAIN ALL REMAINING SOIL AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS	C-0.1
	12. MAINTAIN ALL REMAINING SOIL AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. 13. WHEN VEGETATION HAS BECOME ESTABLISHED (90% GERMINATION), CALL FOR A FINAL INSPECTION BY THE EROSION	
LVES ARE	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.
	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 CONTRO 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.	PROVIDE THE MINIMUM MAINTENANCE STANDARDS AS SPECIFIED BELOW:
4.1	SURVEYOR FLAGS/TAPE/STAKES:         - REPLACE IDENTIFIERS IF DAMAGED OR KNOCKED DOWN DURING DEVELOPMENT.         - ENSURE KEY ENVIRONMENTAL AND/OR CULTURAL RESOURCES MAINTAIN IDENTIFIERS.         - 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.
4.2	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>RAIN GAUGE:</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>TREE PROTECTION FENCE:         <ul> <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> </ul> </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	5. <u>SILT FENCE:</u> - SHOULD THE FABRIC OF THE SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE I PROMPTLY. - 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. - 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.
4.6	5. <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	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	8. INLET PROTECTION (PIPE / YARD / DROP / CURB): - 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.
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BK0193	37PG01398	_		
		WAKE COUNTY, NC 49 TAMMY L. BRUNNER REGISTER OF DEEDS PRESENTED & RECORDED ON 05/18/2023 12:34:05		
		BOOK:019337 PAGE:01398 - 01402	-	
		Prepared by and Return to: Town of Knightdale 950 Steeple Square Court Knightdale, North Carolina 27545		
	HIGHTDA PRO	TOWN OF KNIGHTDALE 950 Steeple Square Court • Knightdale, NC 27545 Office (919) 217-2242 • Fax (919) 217-2249		
	NORTH CAROLINA WAKE COUNTY			
	ORDER 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	<b></b> .	
	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		
Di ibri Michigana	WAKE COUNTY PIN:	1754-56-9791	a	
	BOARD OF ADJUSTMENT MEETING DATE:	October 25, 2022		
BK0193	37PG01401			
	NORTH CAROLINA WAKE COUNTY			
	the undersigned being all of the p	own of Knightdale has caused this order to be issued in its name, and roperty owners of the properties above described, do hereby accept to aditions, as binding upon them and their successors in interest or		
	Janie More Jackie Moore, Moore's Realty, In	IC.		

ATTEST:

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



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 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 <u>\_\_\_\_\_</u>, 2023.

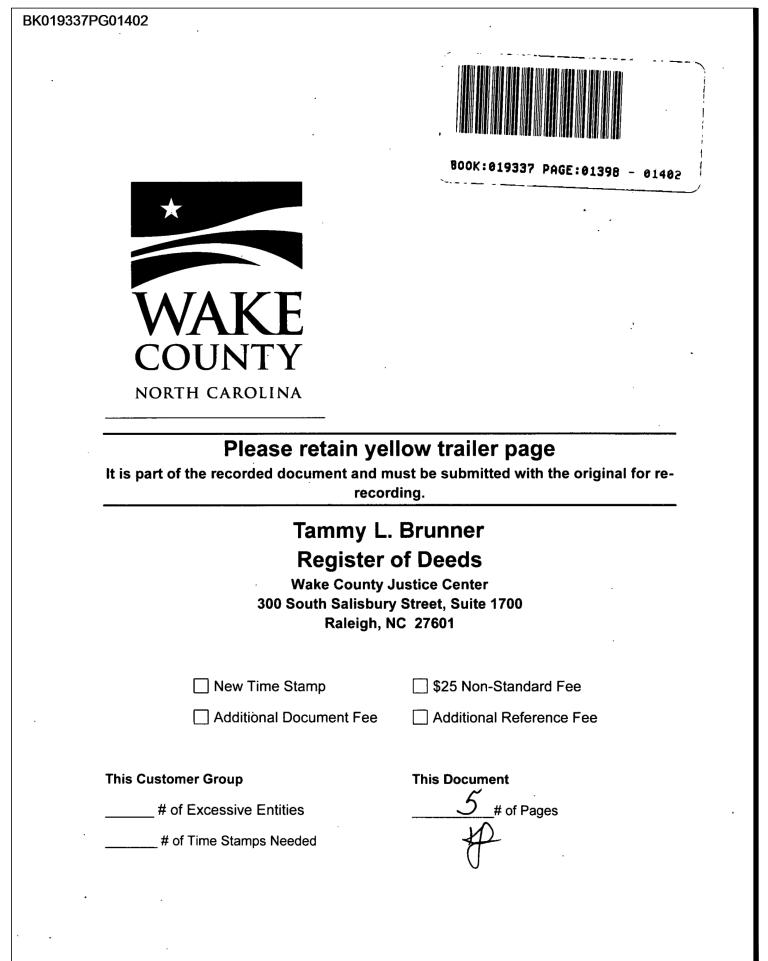
Butterex the Notary Publ My Commission Expires: 11/11/2027 3. ----

NOTAR . OUNT

BK	019	337	7PG	601	40

2022 to rec	of Adjustment, for the Town of Knightdale held a public hearing on Tuesday, October 25, eive evidence presented by interested parties on a request for variance from the Knightdale velopment Ordinance.
	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
	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.
	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.
	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.
	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.
	RE, based on the foregoing Findings of Fact, the Board of Adjustment makes the following SIONS OF LAW:
	There are unnecessary hardships in complying with the strict application of the Ordinance.
	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.

Development Ordinance:



<ul> <li>37PG01400</li> <li>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.</li> <li>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.</li> <li>Ordered this 3<sup>rd</sup> day of November, 2022 and subsequently revised on this 17<sup>th</sup> day of May, 2023.</li> <li>Adding Chairperson, Joe Mecca Board of Adjustment</li> <li>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.</li> </ul>	PAST DESIGN GOU, PA         PAST DESIGN GOU, PA         DESIGN GOU, PA         PAST DESIGN COULT         PAST DESIGN NOT CONTROL         PAST PAST PAST PAST PAST PAST PAST PAST
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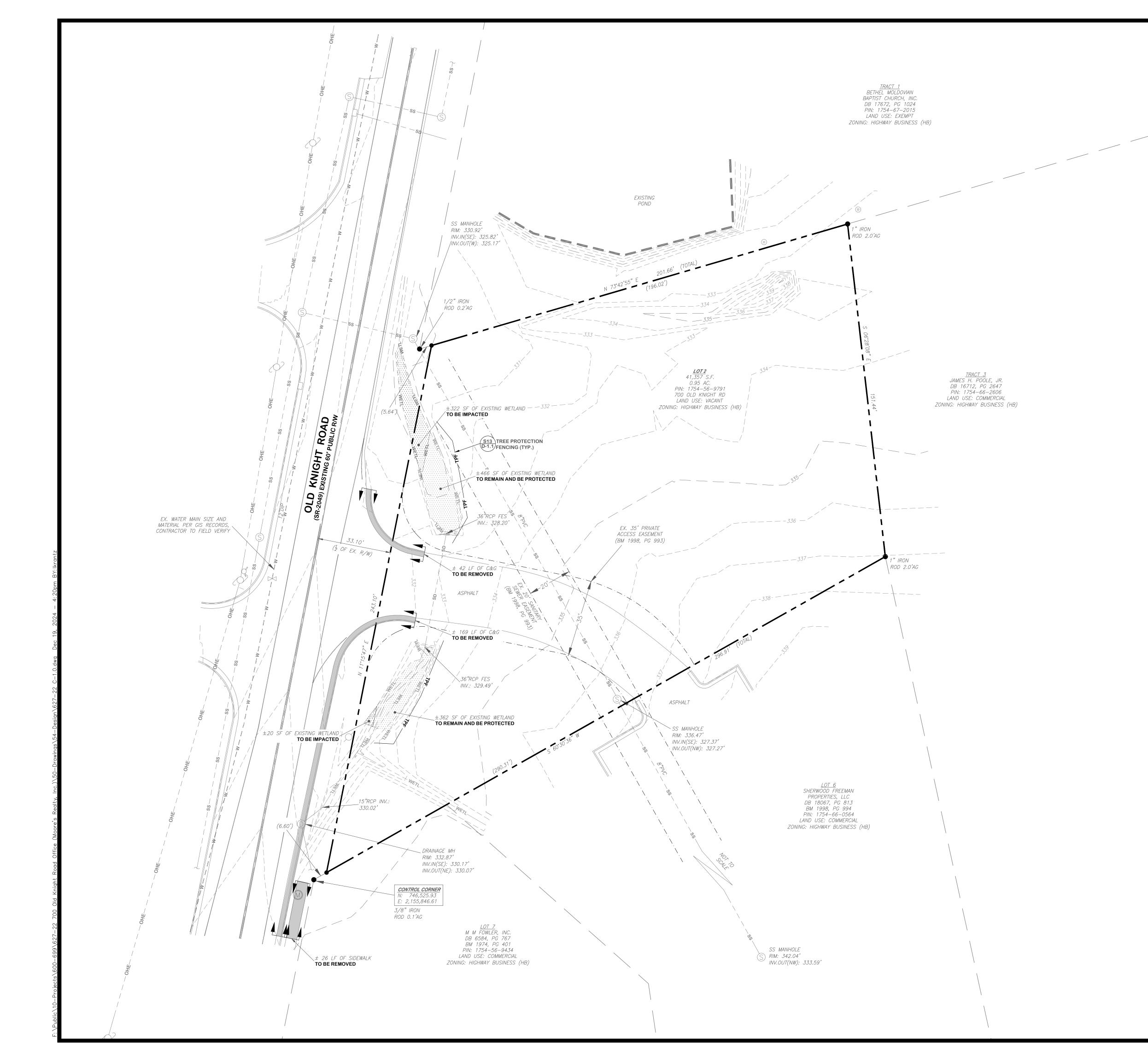
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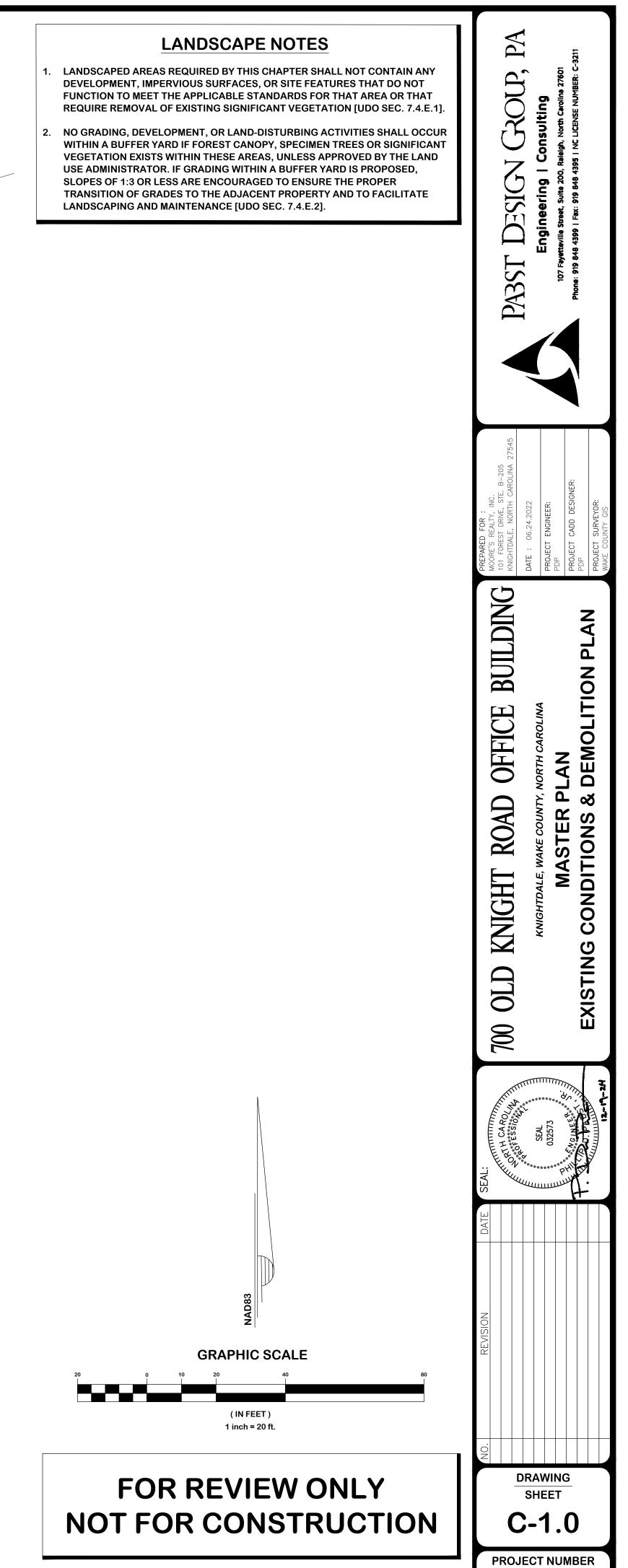
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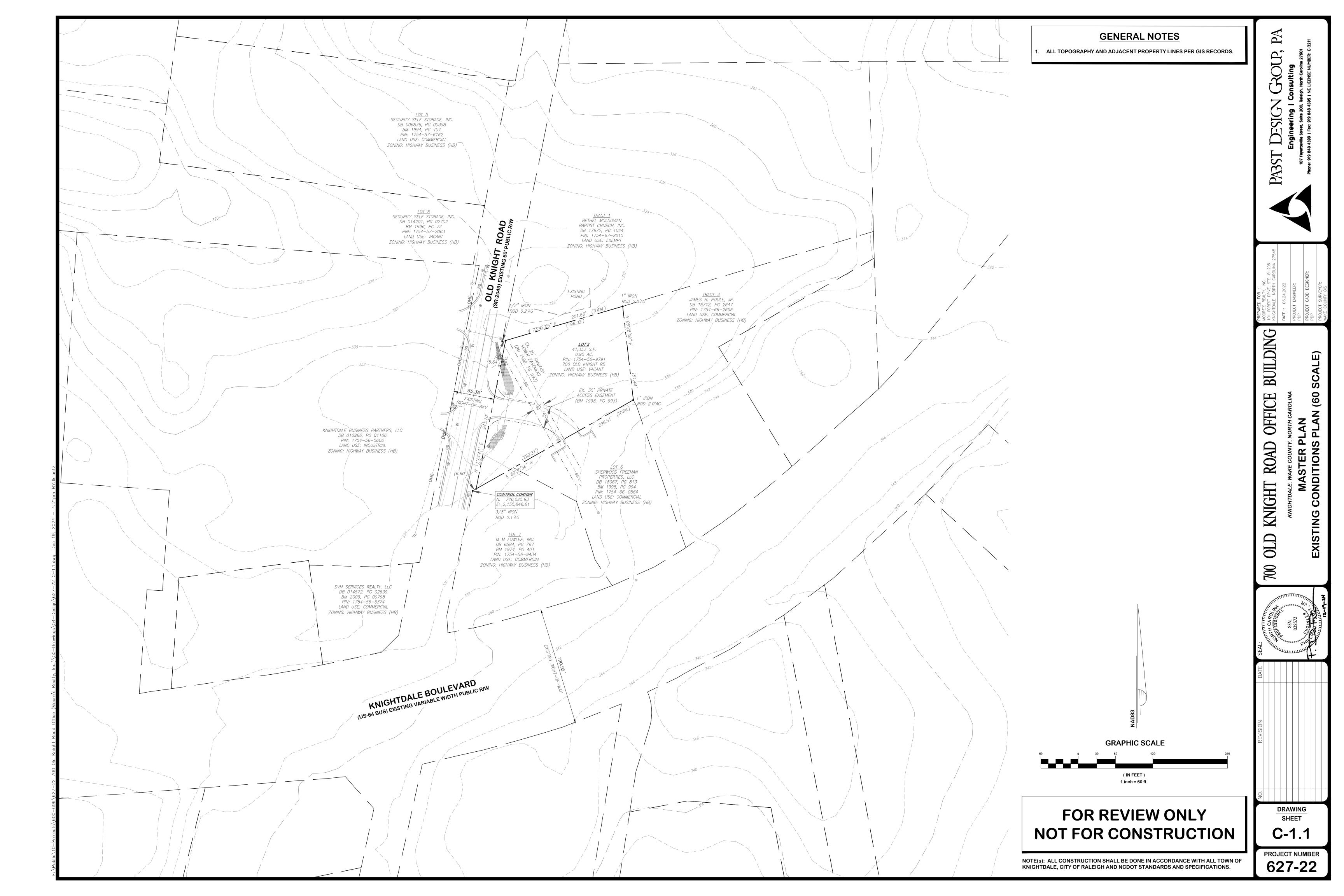
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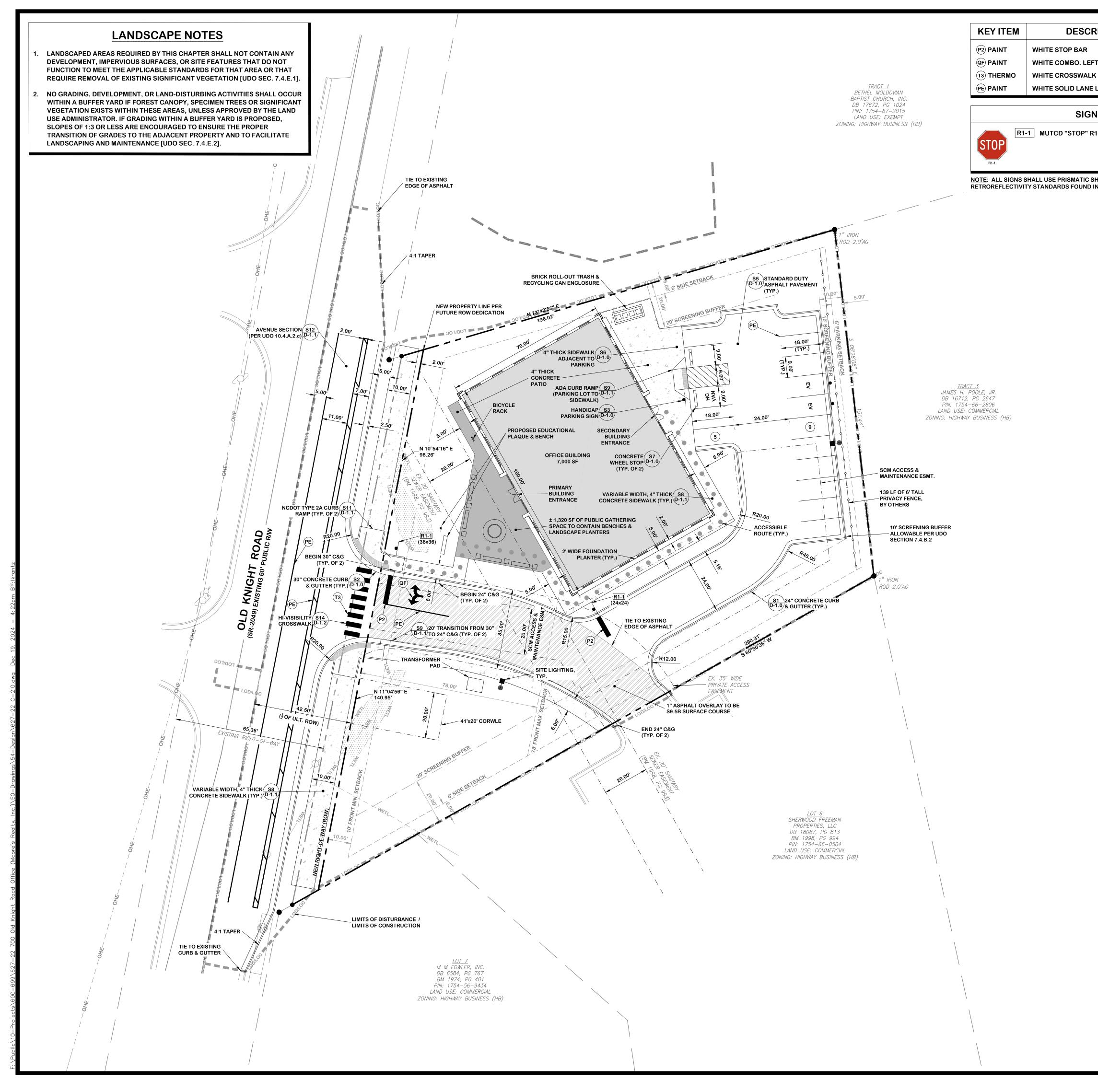




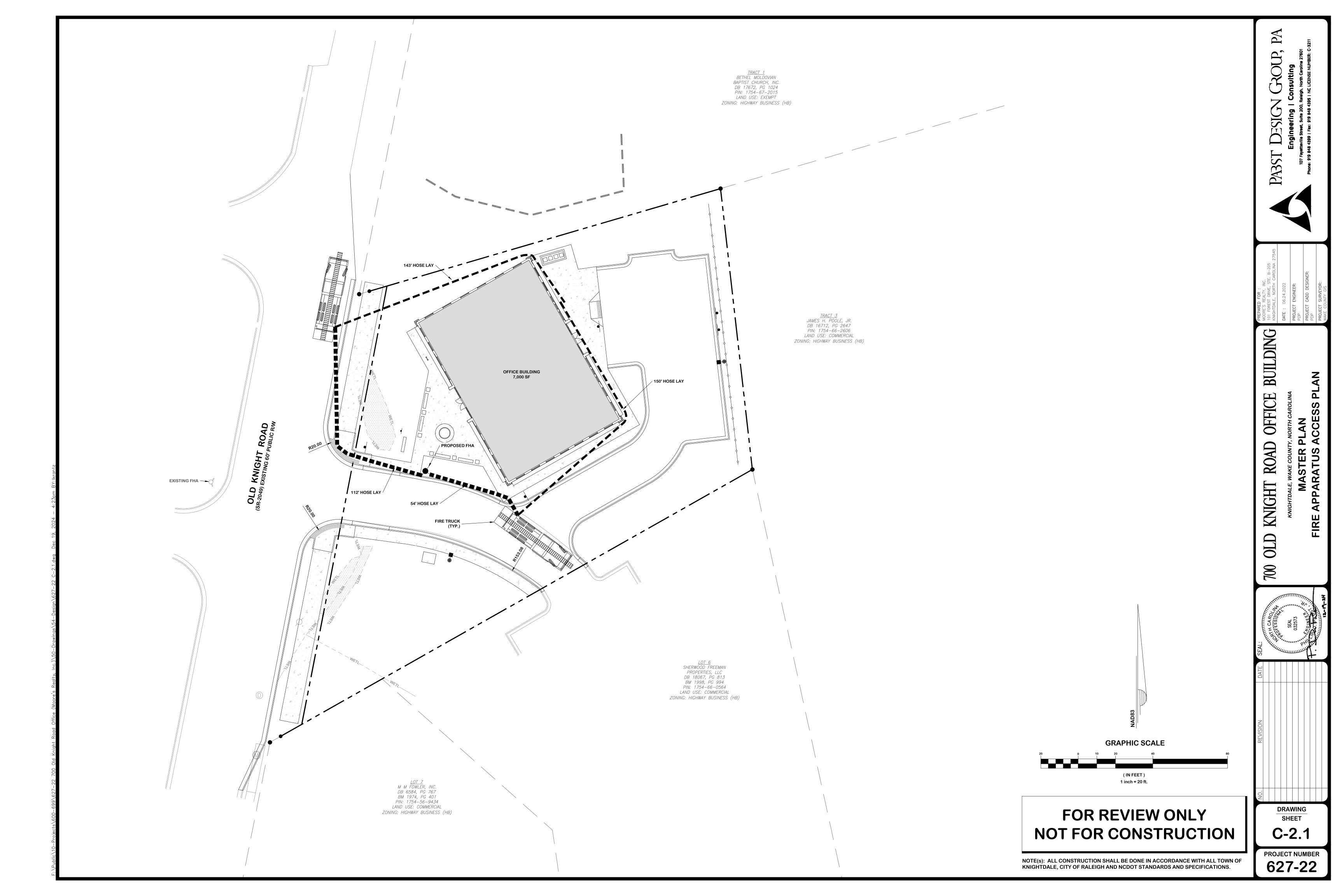
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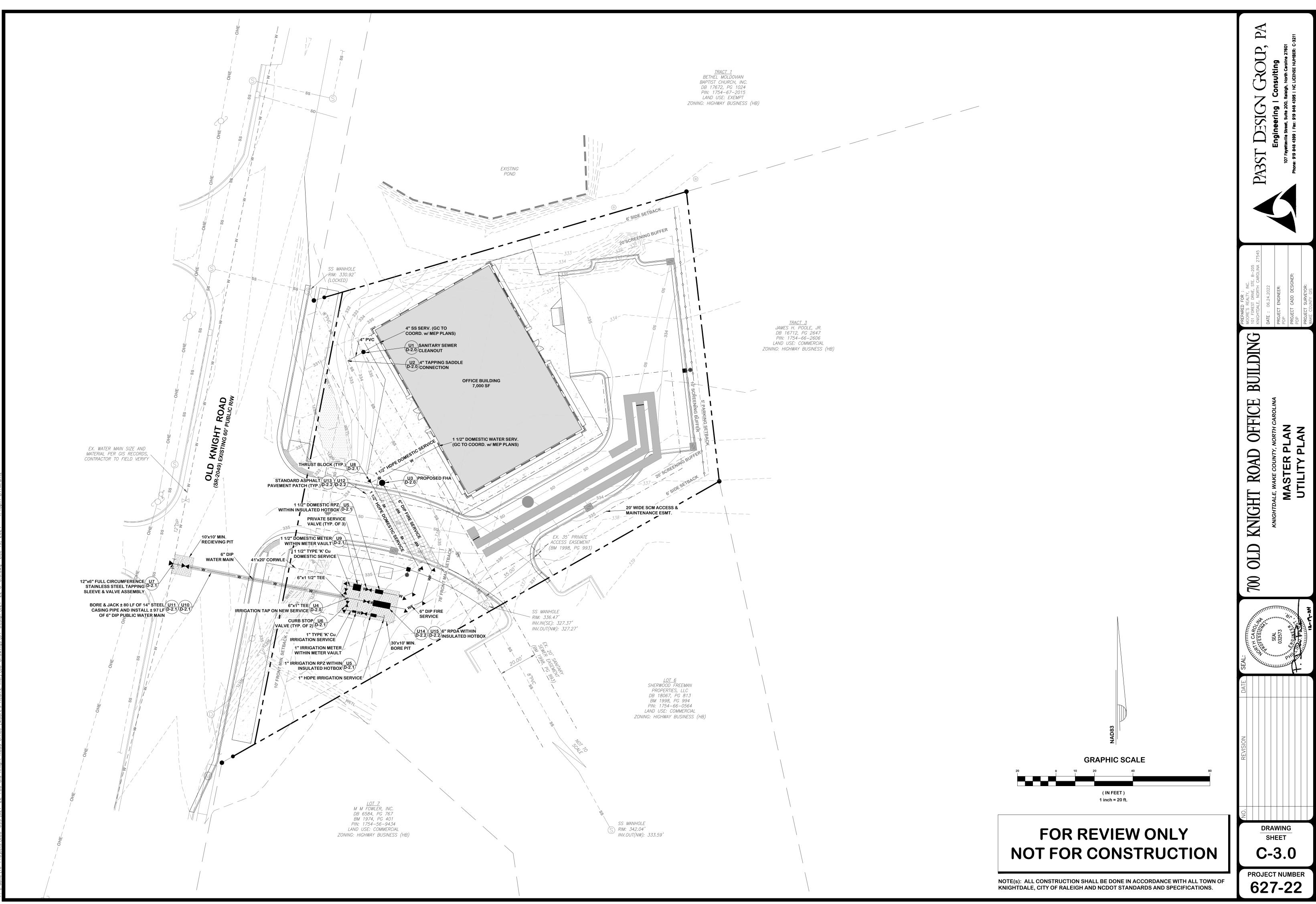
627-22



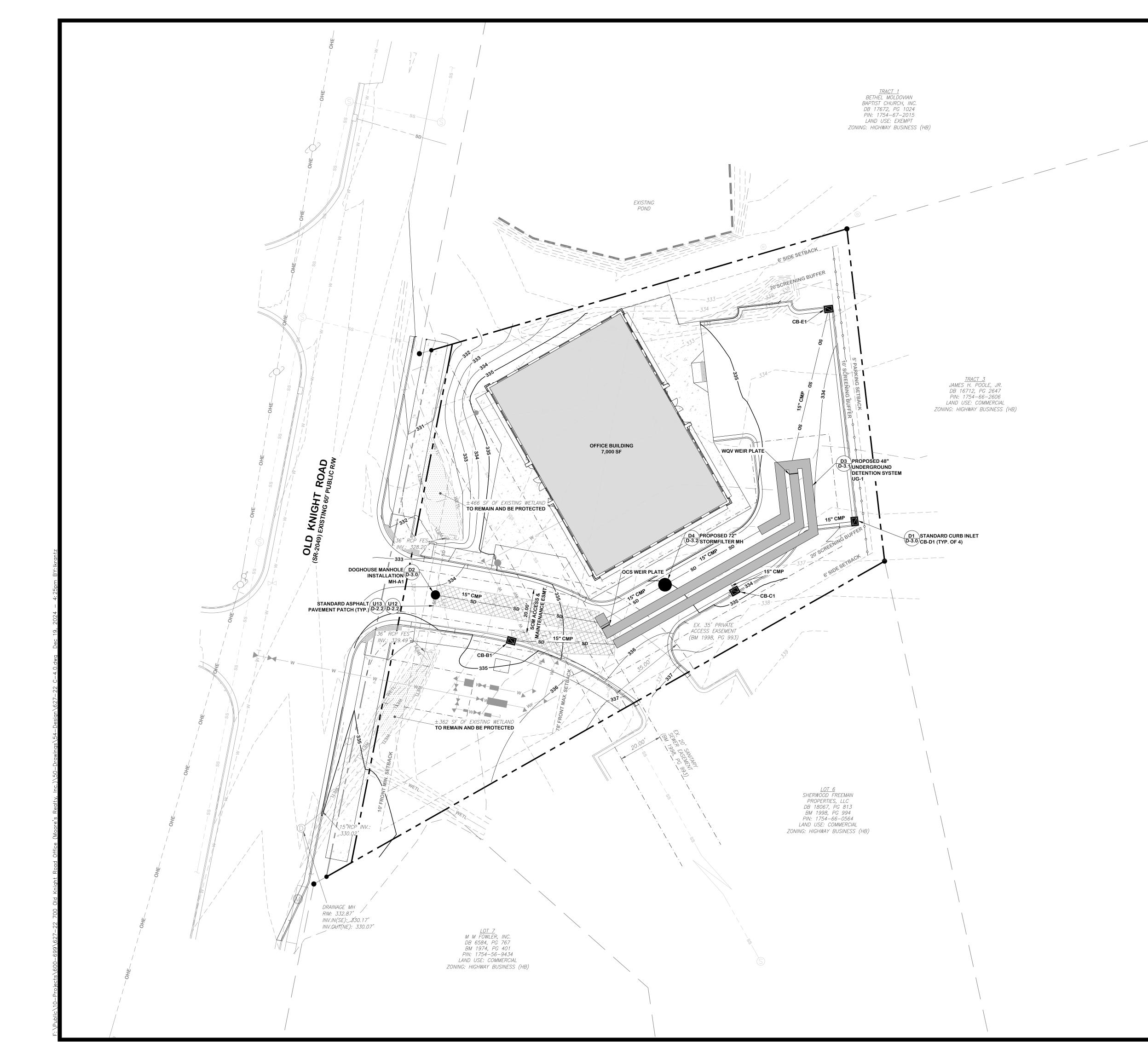


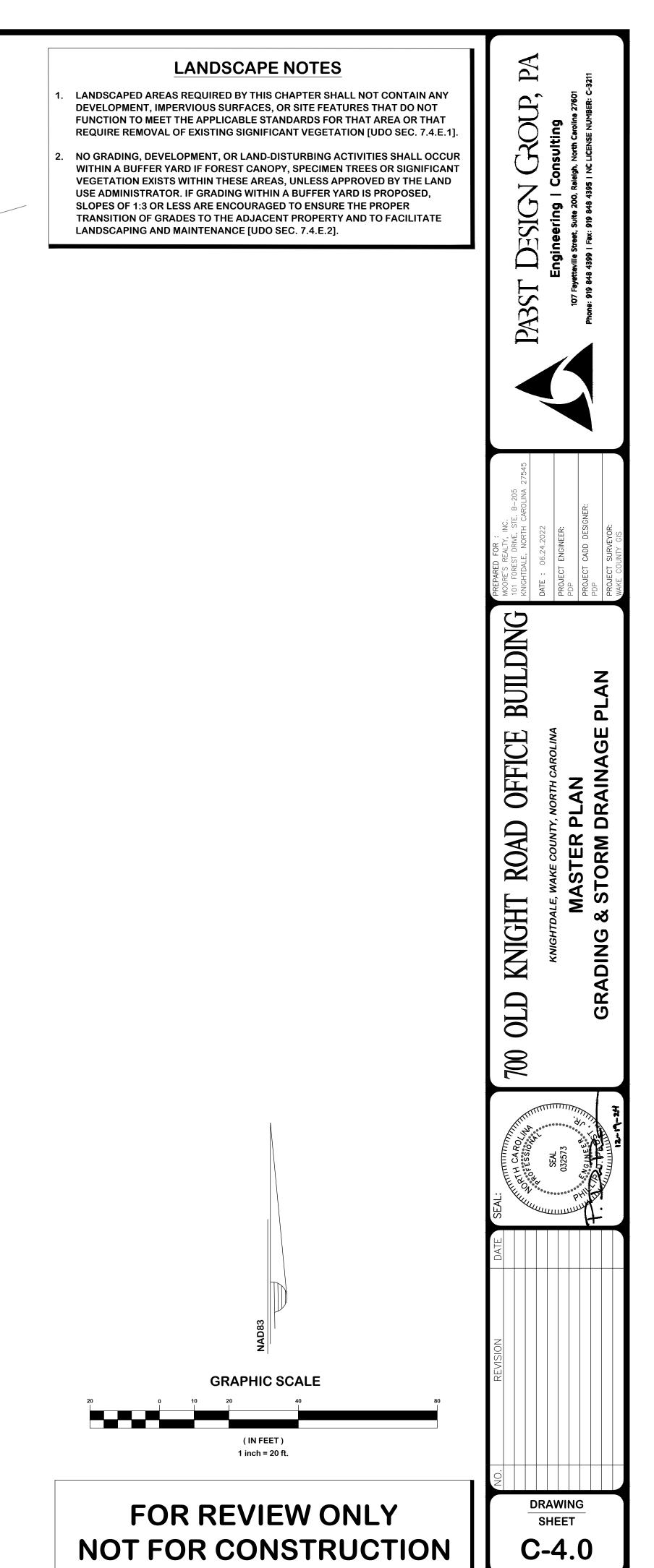
RIPTION	WIDTH		SITE DATA TABLE	
	24"	SITE ADDRESS:	700 OLD KNIGHT ROAD KNIGHTDALE, NORTH CAROLINA 27545	PA
FT/ RIGHT		OWNER/APPLICANT:	JACKIE MOORE, MOORE'S REALTY, INC. 623 NOON FLYER WAY KNIGHTDALE, NORTH CAROLINA 27545	ST DESIGN GROUP, F Engineering I Consulting 107 Fayetteville Street, Suite 200, Raleigh, North Carolina 27601 1: 919 848 4399 I Fax: 919 848 4395 I NC LICENSE NUMBER: C-3211
	4"	ENGINEER:	PABST DESIGN GROUP, PA 107 FAYETTEVILLE STREET, SUITE 200	DISULTING Sh. North Caroli NC LICENSE NU
LINE	4"		RALEIGH, NC 27601 919.848.4399	
NS		DEED/PAGE: PIN(S):	DB 019200 PG 01486 1754-56-9791	5, Raleig
R1-1 REFE	ER TO PLAN	EXISTING ZONING DISTRICT:	HIGHWAY BUSINESS (HB)	
		EXISTING LAND USE: PROPOSED LAND USE:	VACANT OFFICE, PROFESSIONAL SERVICES	Text 91
		PARCEL AREA:	TOTAL BEFORE R/W DEDICATION: 41,357 SF (0.949 AC) TOTAL AFTER R/W DEDICATION: 39,089 SF (0.897 AC)	Engineering taville street, suite 20
SHEETING THAT MEETS I IN THE LATEST EDITION		RIVERBASIN:	NEUSE	ST DESIG
		WATERSHED: FLOODPLAIN DATA:	LOWER NEUSE RIVER NO PORTION OF THE PROPERTY IS LOCATED WITHIN	Phone: 919 84
			SPECIAL FLOOD HAZARD ZONE PER INSURANCE RATE MAP (RATE MAP 3720175400K DATED JULY 19, 2022)	
		PRE-DEVELOPED IMPERVIOUS:	ONSITE: ±0.08 ACRES (3,568 SF) OFFSITE: ±0.04 ACRES (1,787 SF) TOTAL: ±0.12 ACRES (5,355 SF)	
		POST-DEVELOPED IMPERVIOUS:	ONSITE: ±0.52 ACRES (22,541 SF) OFFSITE: ±0.13 ACRES (5,632 SF)	
		PROPOSED LAND	TOTAL: ±0.65 ACRES (28,173 SF) ±1.19 ACRES (51,969 SF)	
		DISTURBANCE: PROPOSED BUILDING	OFFICE, PROFESSIONAL SERVICES	· ·
		TYPE: PRINCIPAL BUILDING	REAR SETBACK: 0' (MIN)	27545
		SETBACKS:	SIDE SETBACK: 6' (MIN) FRONT SETBACK: 10' - 78' (MIN - MAX) (PER VARIANCE BK019337PG01398)	NA 5
		PARKING SETBACKS:	FRONT YARD: PROHIBITED SIDE YARD: 0' (MIN)	
		BUILDING FLOOR AREA:	REAR YARD: 5' (MIN) EXISTING = 0 GFA	D FOR : REALTY, INC ST DRIVE, S LLE, NORTH 06.24.2022 ENGINEER: CADD DESI UNTY GIS
		BUILDING HEIGHT:	PROPOSED = 7,000 GFA MAX. BUILDING HEIGHT: 70'-0" (5 STORIES)	MAREPARED MORE'S RI 101 FOREST KNIGHTDALE KNIGHTDALE DATE : 06 DATE : 06 PROJECT E PROJECT C PDP PROJECT S MAKE COUN
		MINIMUM PARKING	PROPOSED BUILDING HEIGHT: 28'-8" (1 STORY) PROFESSIONAL SERVICES: MAXIMUM = 4 SPACES PER 1,000	PREP PDP PDP PDP PDP PDP PDP PDP
		REQUIREMENTS:	SF GFA (28 SPACES); MINIMUM = 1/2 MAX (14 SPACES)	9
			TOTAL REQUIRED: 14 SPACES TOTAL PROVIDED: 14 SPACES (INCLUDING 1 ADA VAN SPACE)	
			(INCLUDING 1 ADA VAN SPACE) <u>EV PARKING:</u> MINIMUM = 2 EV CHARGING STATIONS FOR	
			NON-RESIDENTIAL USE WITH OFF-STREET PARKING FOR MOTORIZED VEHICLES	BUI
			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	AN CAR
			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	ROAD AKE COUNTY, N STER PI LAYOUT
			1,320 SF (PROVIDED)	
				GHT MPALE, V MZ SITE
				700 OLD KNIGHTDA KNIGHTDA SIT
				0 IO
				8
				SEAL: SEAL: CORPUTING CORPUTING SEAL SEAL SEAL SEAL SEAL SEAL SEAL SEAL SEAL SEAL SEAL SEAL SEAL:
				DATE S
			GRAPHIC SCALE	REVISION
			0 20 40 80 (IN FEET) 1 inch = 20 ft.	
		FOR	<b>REVIEW ONLY</b>	DRAWING SHEET
			RCONSTRUCTION	C-2.0
			ON SHALL BE DONE IN ACCORDANCE WITH ALL TOWN OF GH AND NCDOT STANDARDS AND SPECIFICATIONS.	PROJECT NUMBER 627-22





blic\10-Projects\600-699\627-22 700 Old Knight Road Office (Moore's Realty, Inc.)\50-Drawings\54-Design\627-22 C-3.0.dwg Dec 19, 2024 - 4:45pm BY:Ikrc

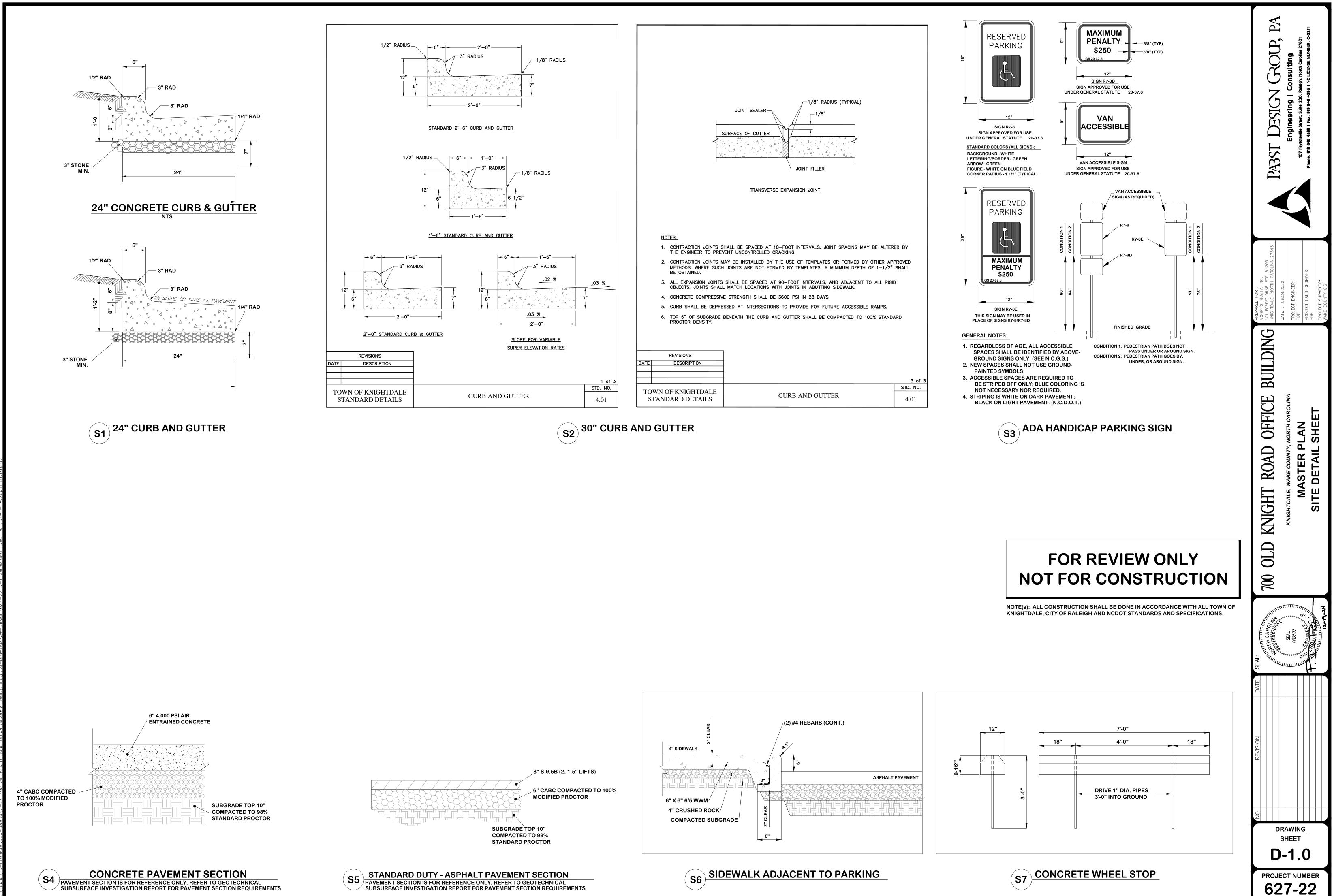




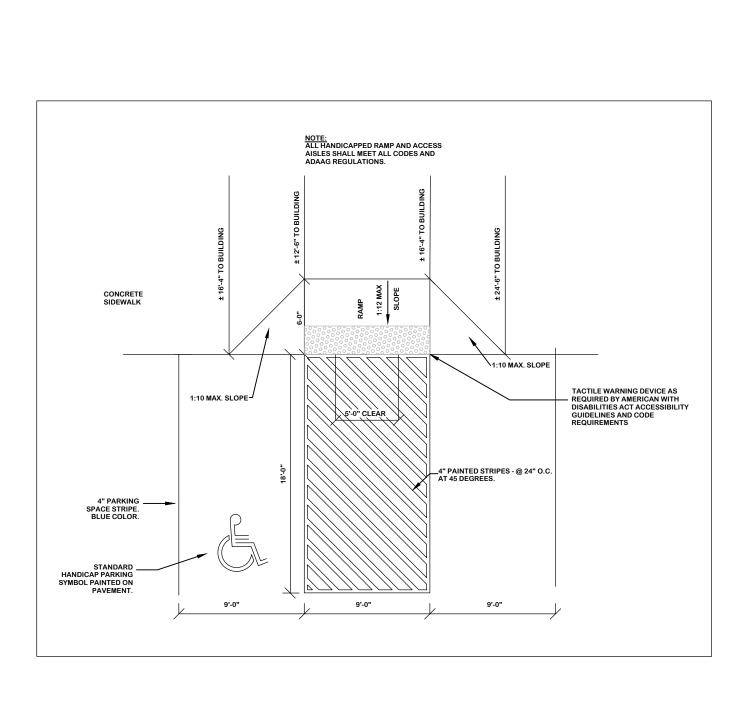
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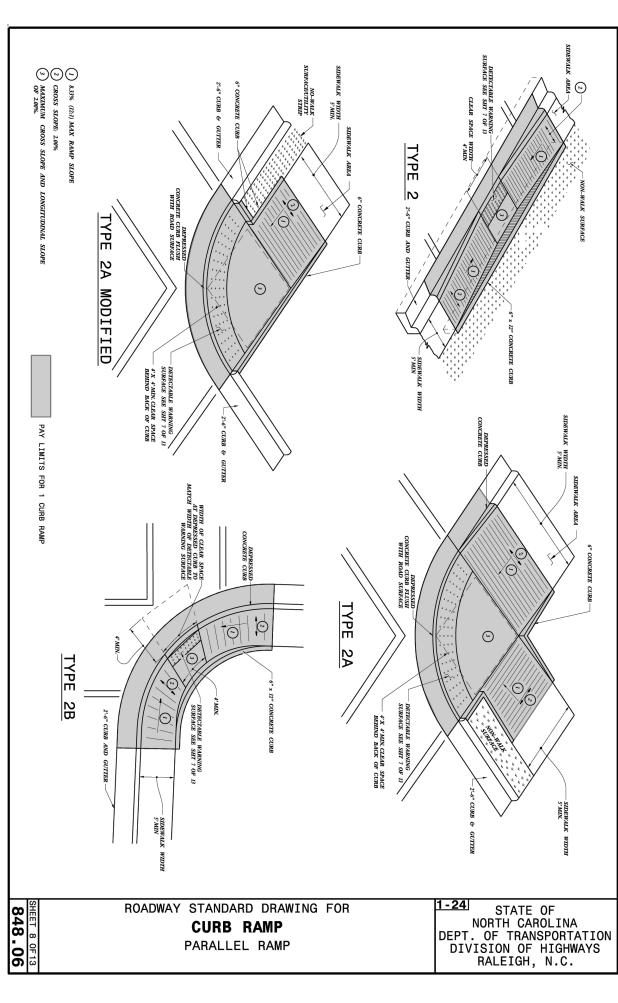
PROJECT NUMBER

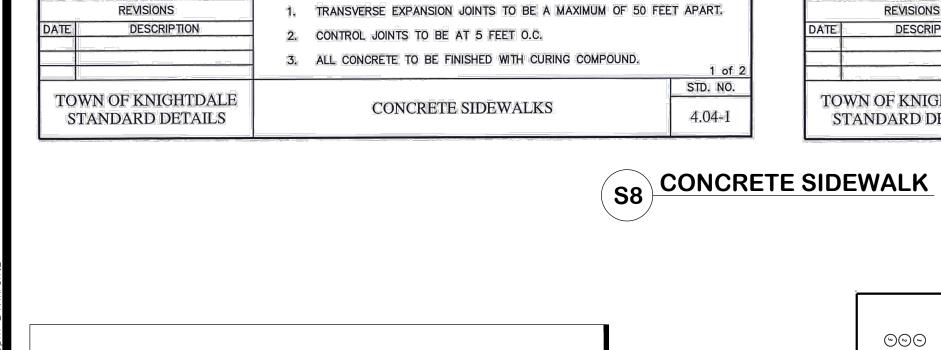
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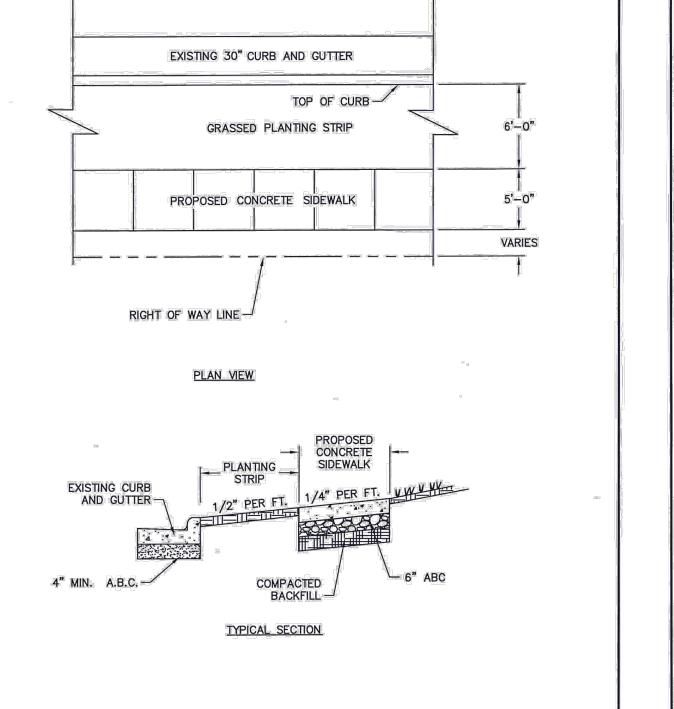
NOTES:

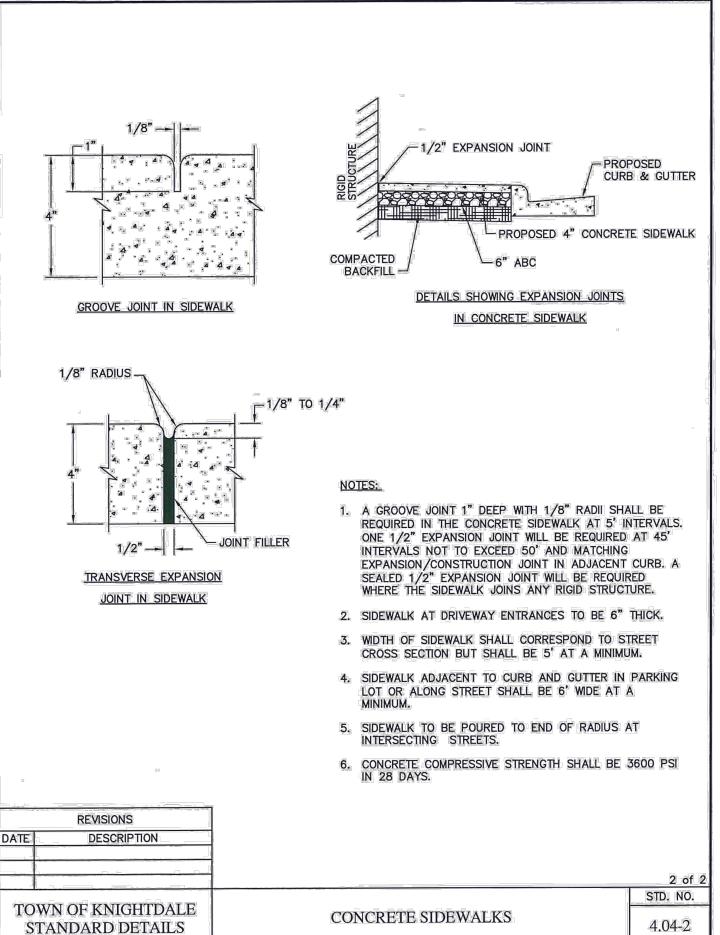
FOR REVIEW ONLY

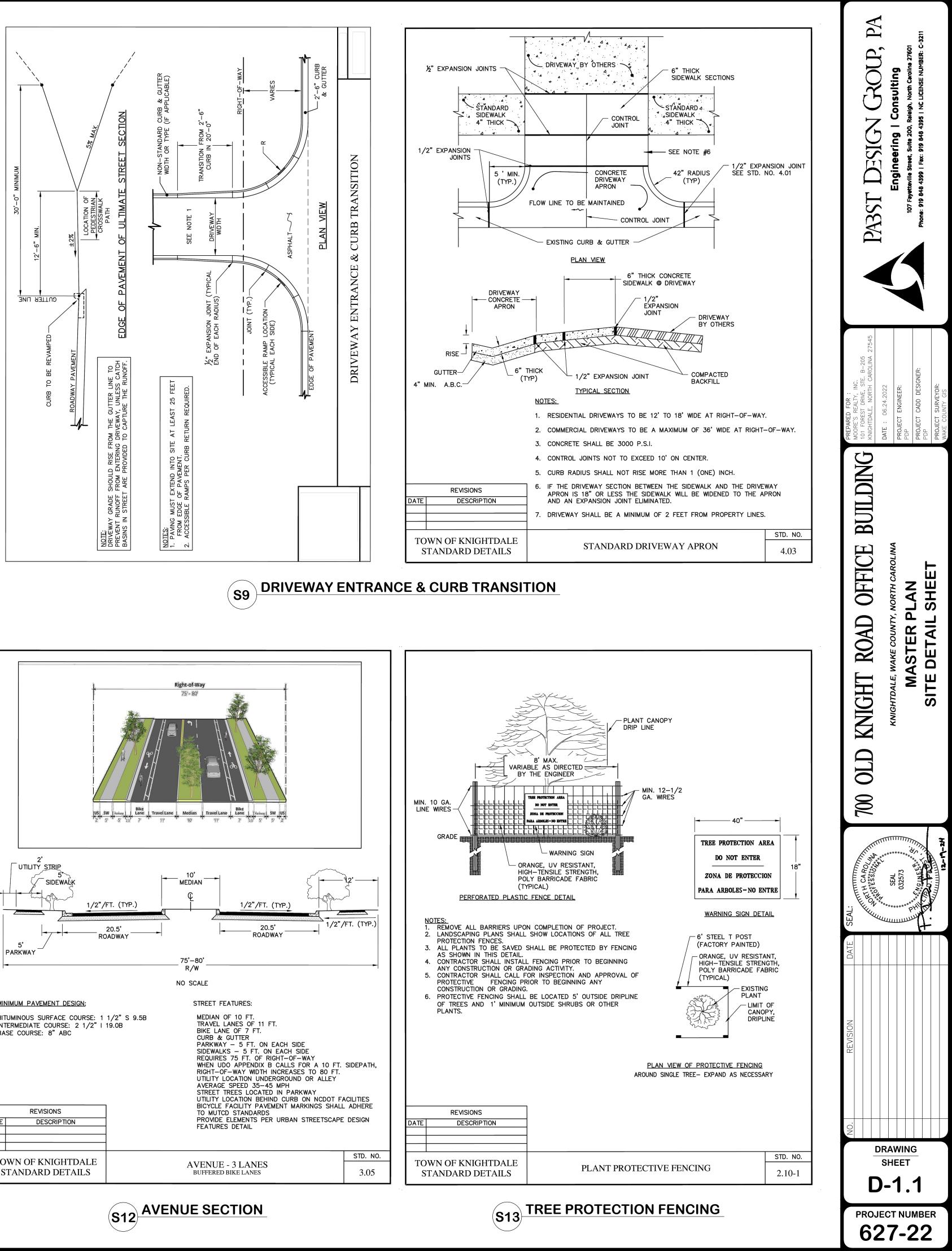
**NOT FOR CONSTRUCTION** 

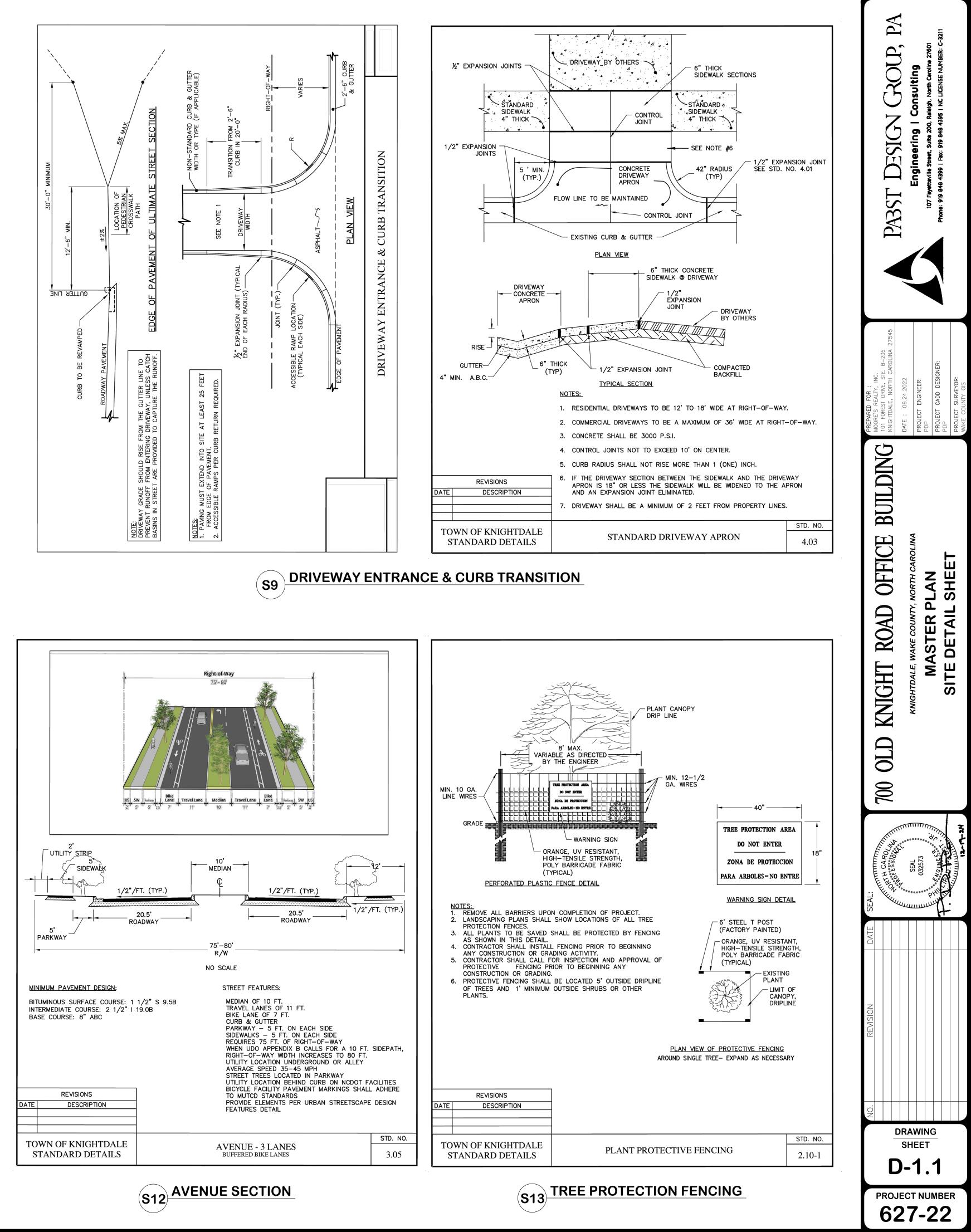
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KNIGHTDALE AND NCDOT STANDARDS AND SPECIFICATIONS.

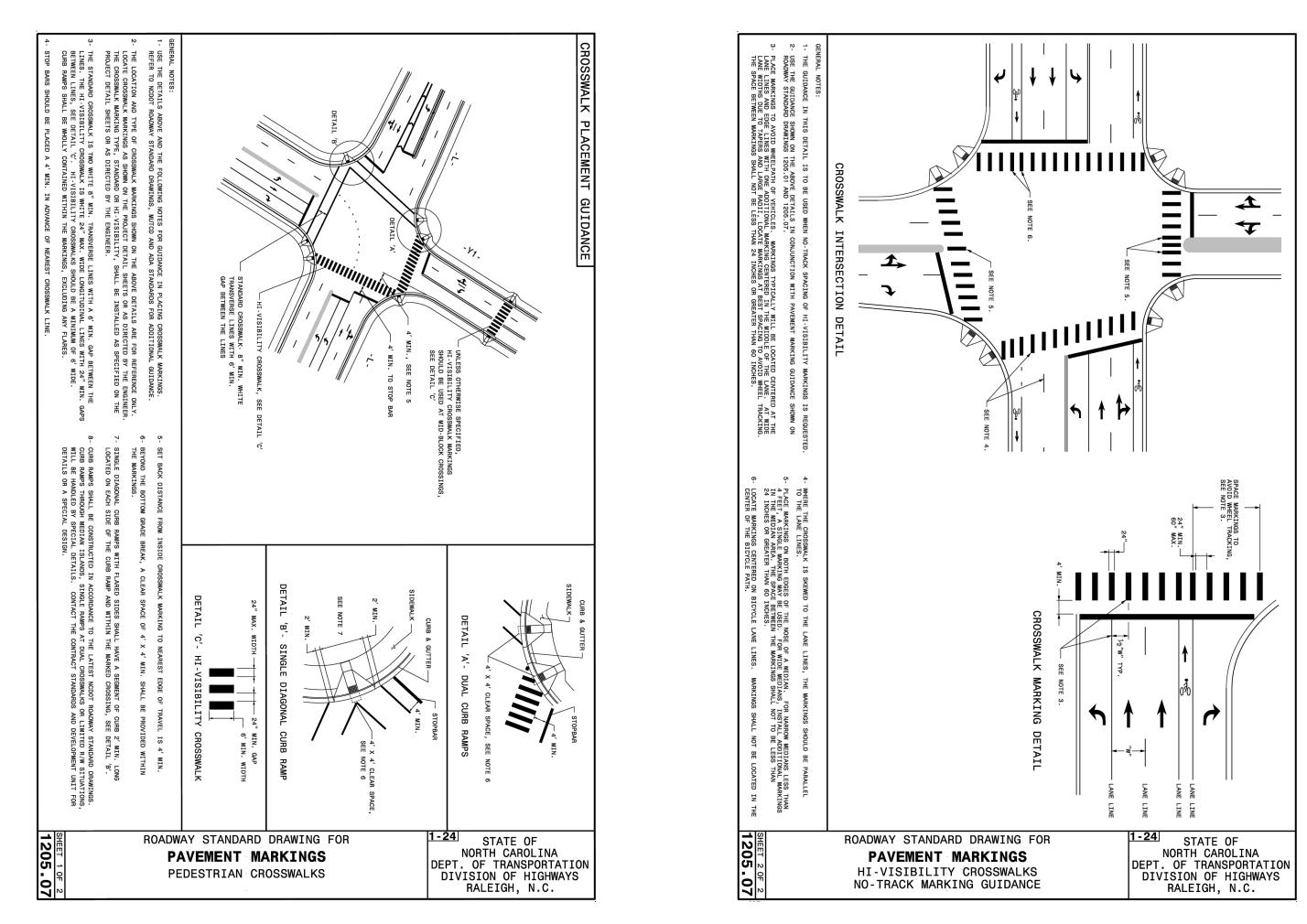




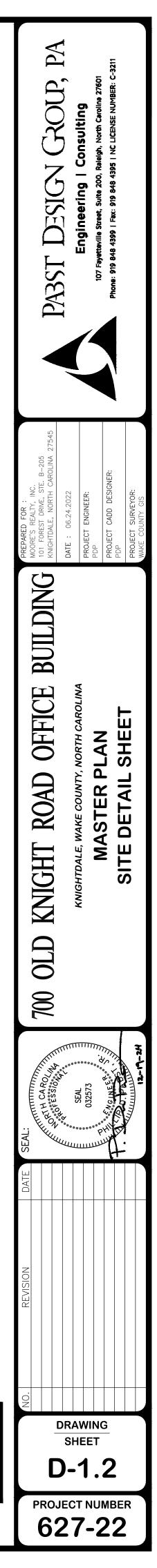




ADA CURB RAMP (S11

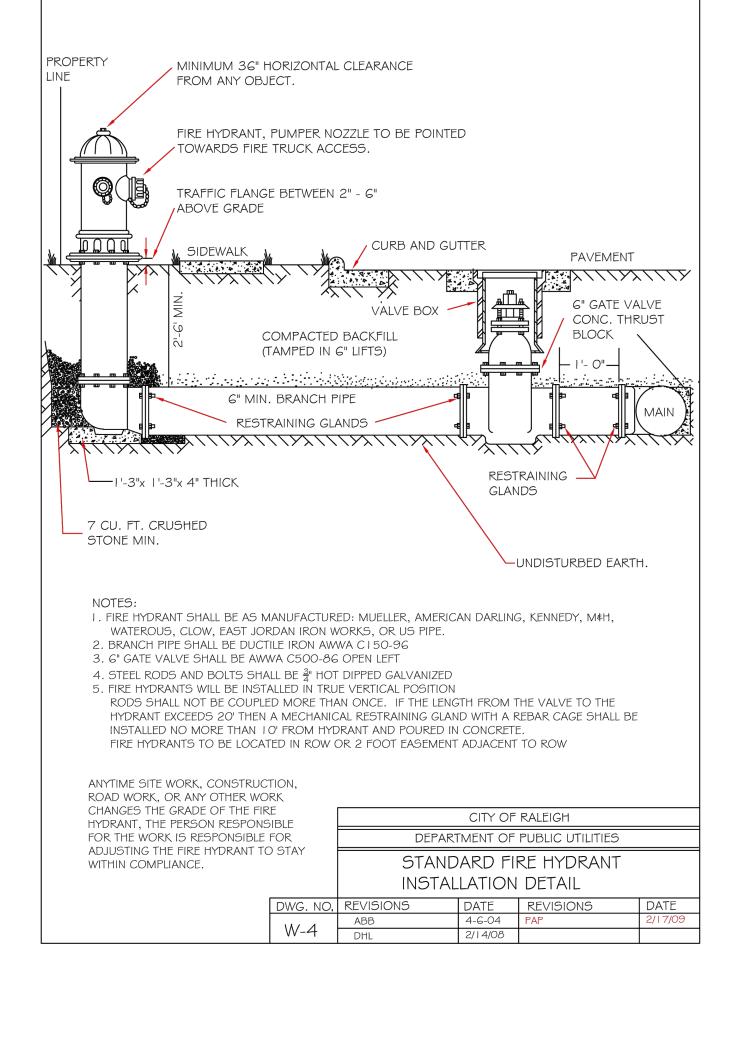


S14 HI-VISIBILITY CROSSWALK

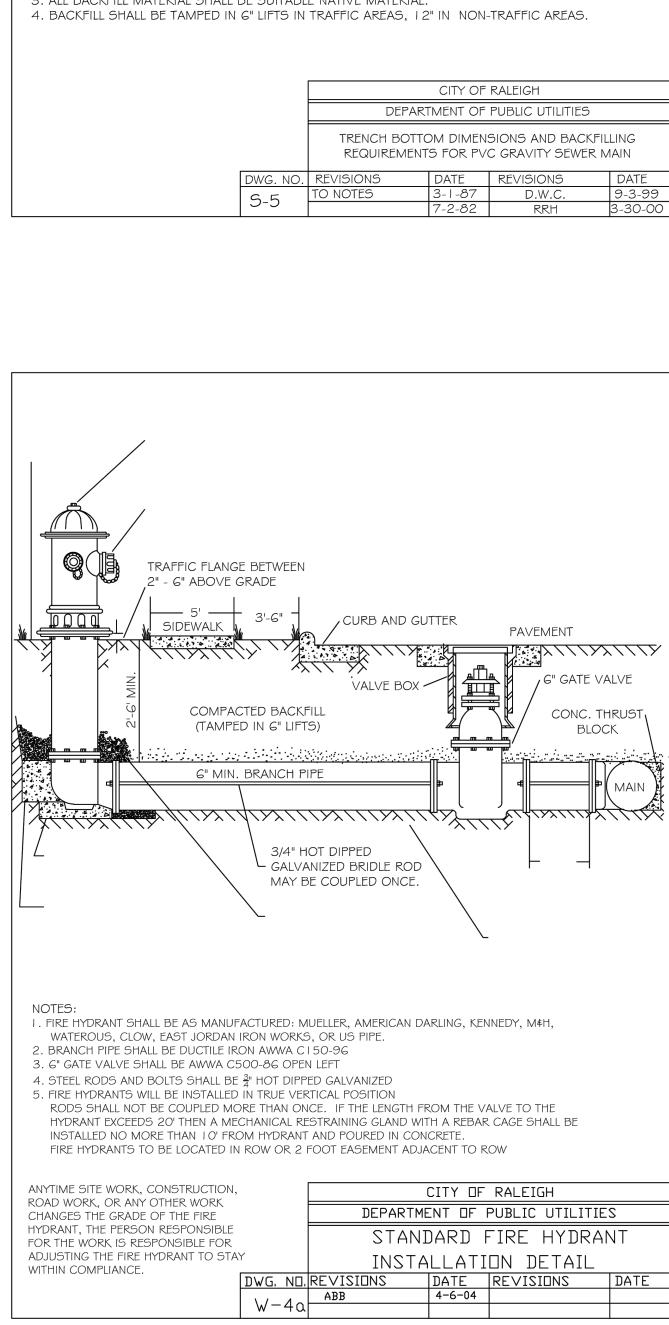


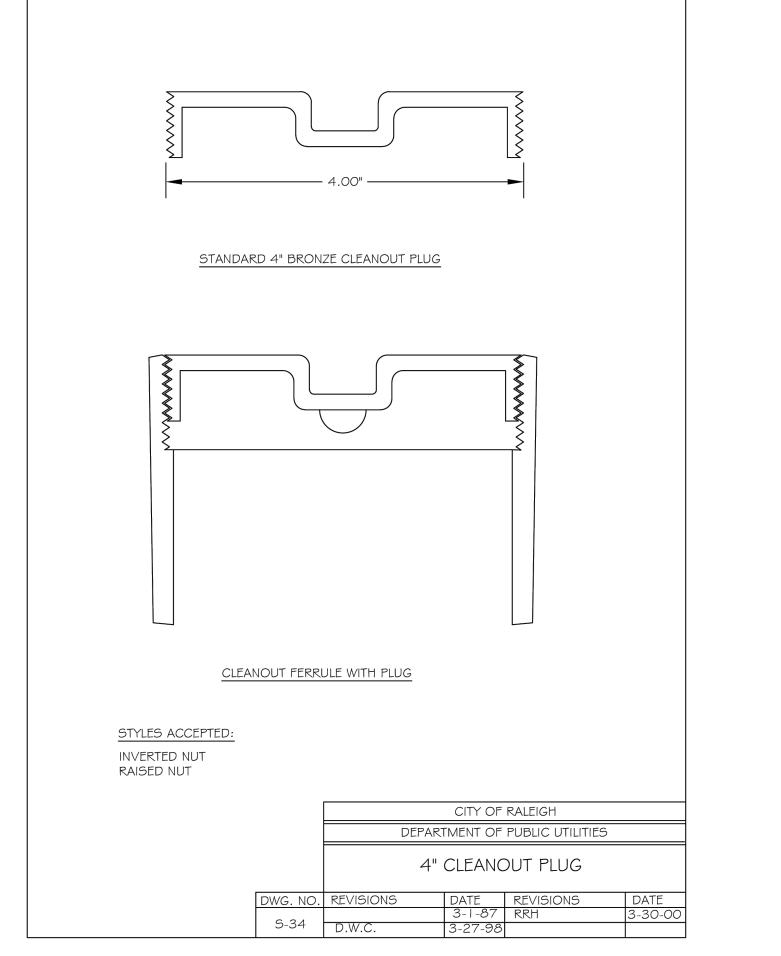
## FOR REVIEW ONLY NOT FOR CONSTRUCTION

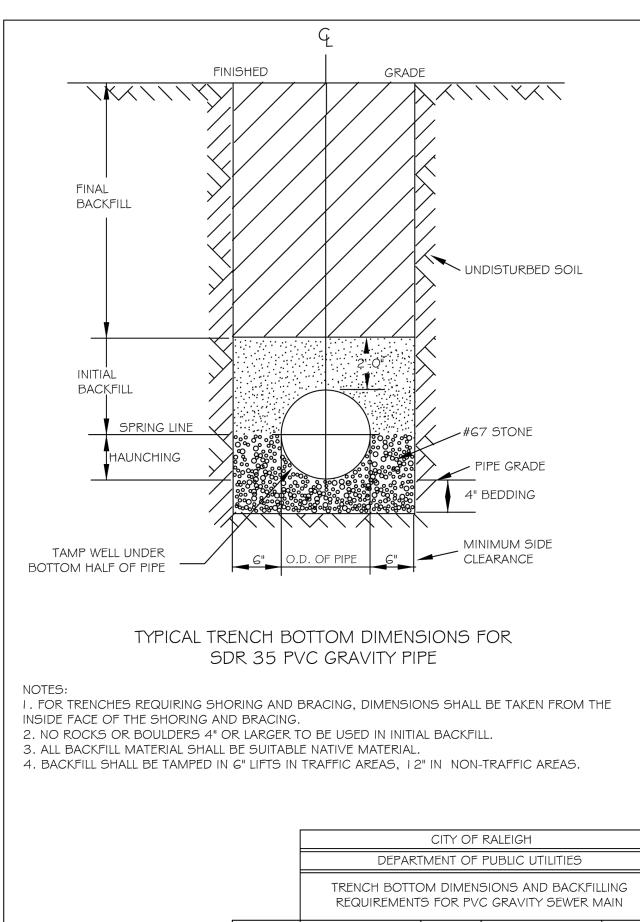
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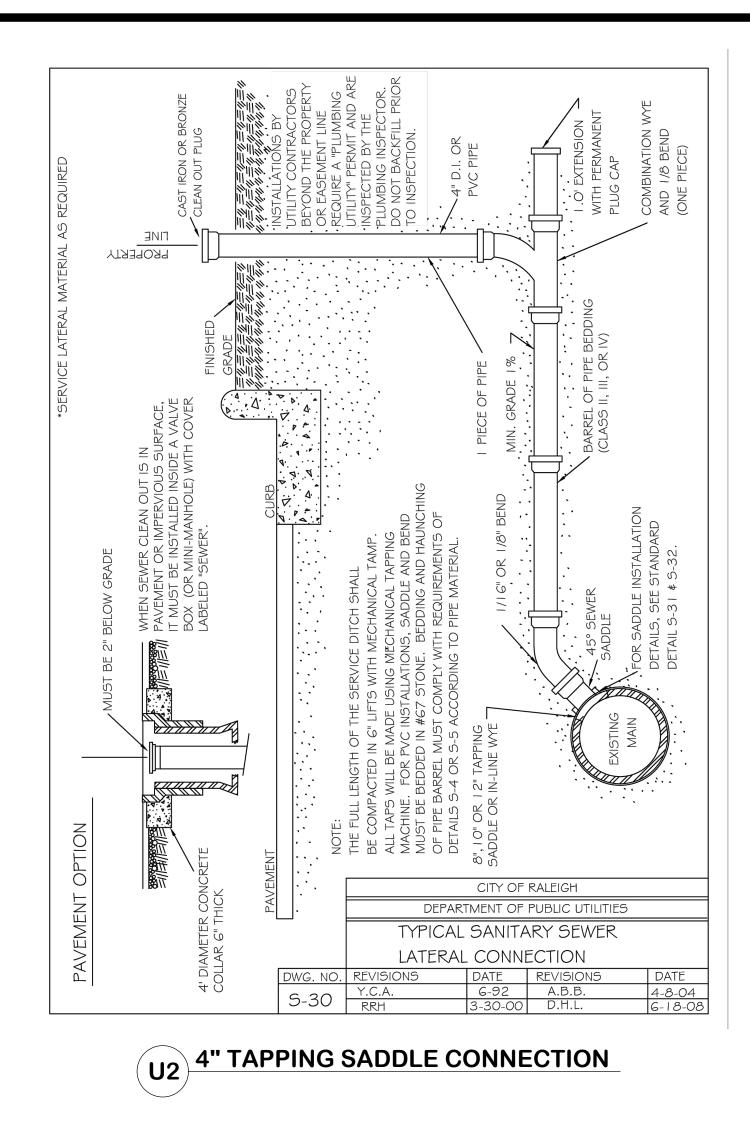
(U1) SANITARY SEWER CLEANOUT

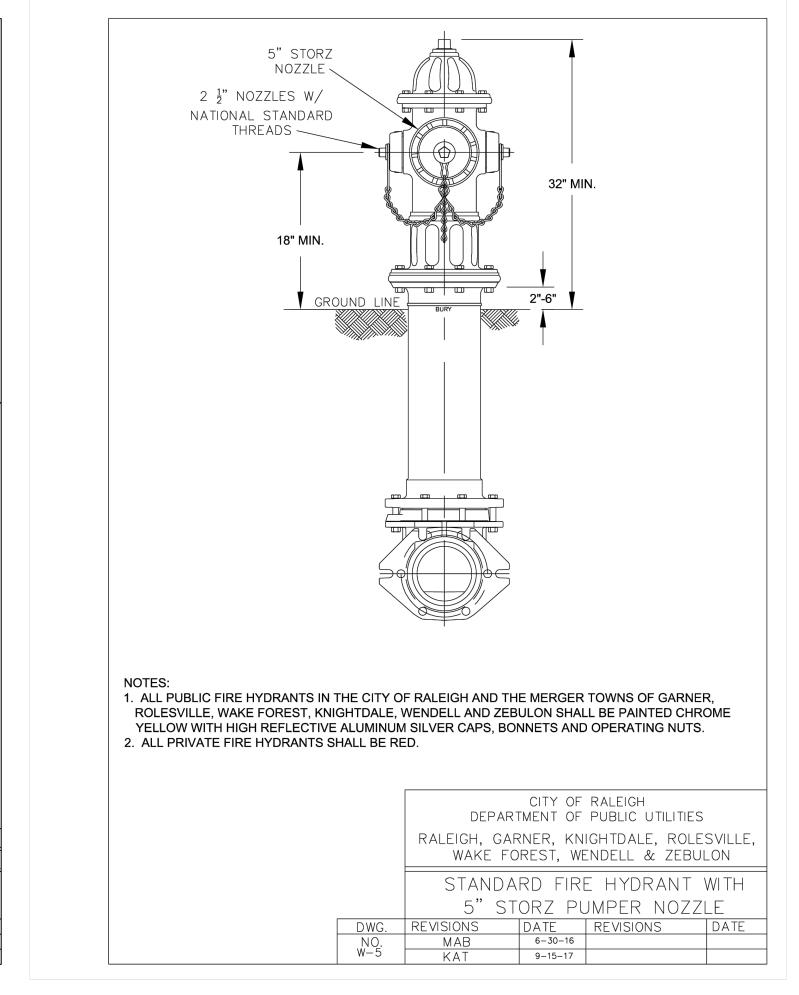




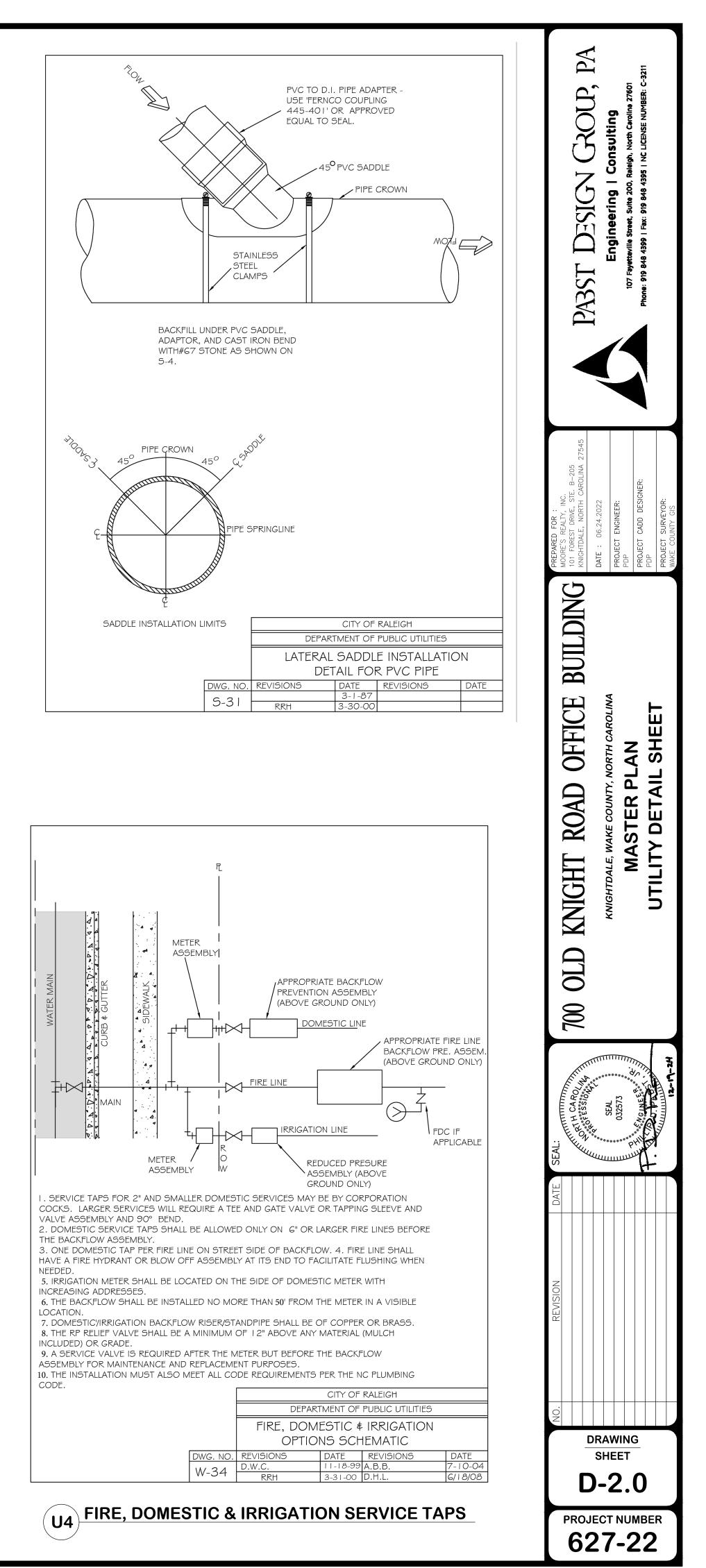


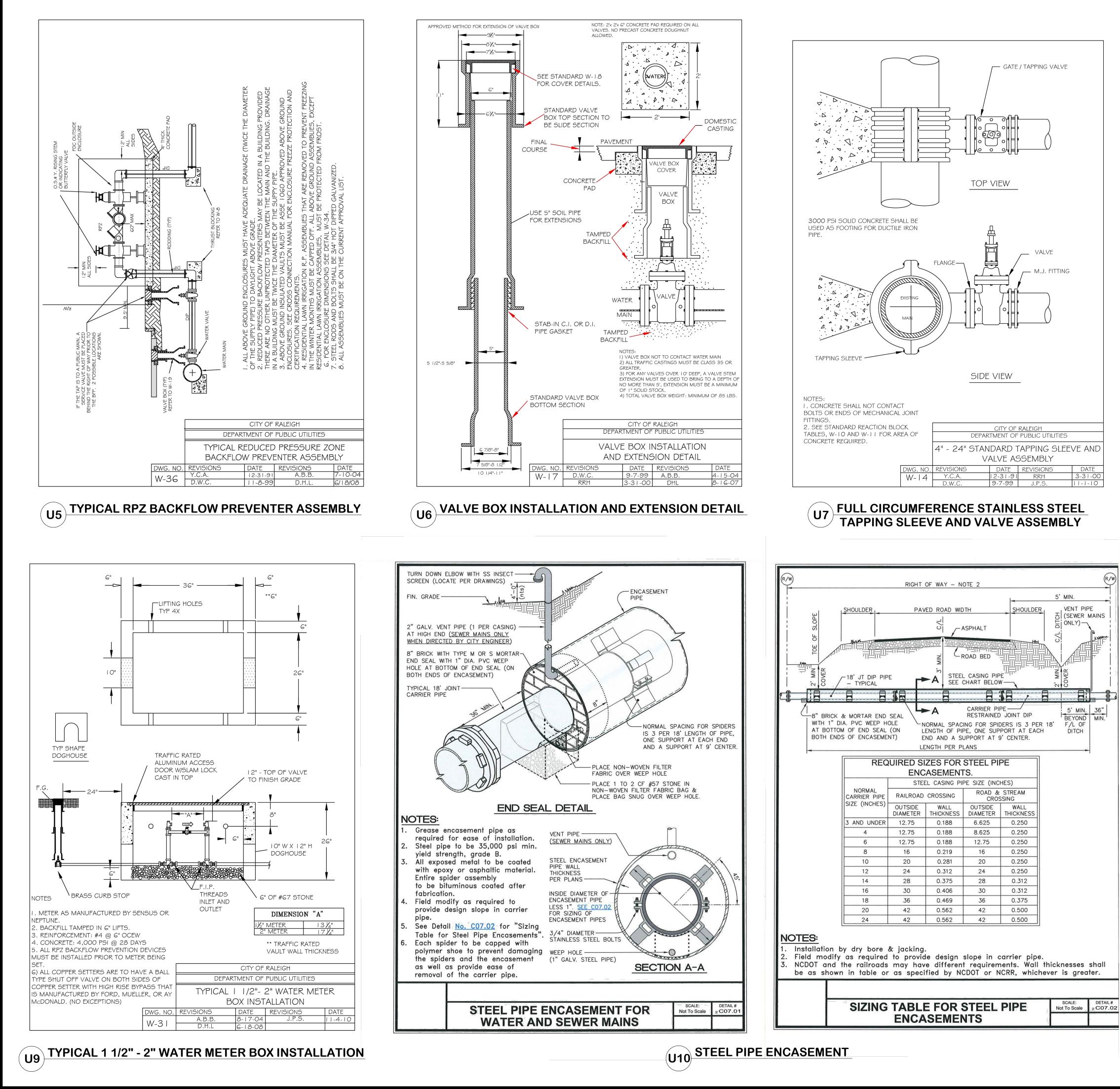
	CITY OF RALEIGH						
	DEPARTMENT OF PUBLIC UTILITIES						
	TRENCH BOTTOM DIMENSIONS AND BACKFILLING REQUIREMENTS FOR PVC GRAVITY SEWER MAIN						
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE			
S-5	TO NOTES	3-1-87	D.W.C.	9-3-99			
5-5		7-2-82	RRH	3-30-00			

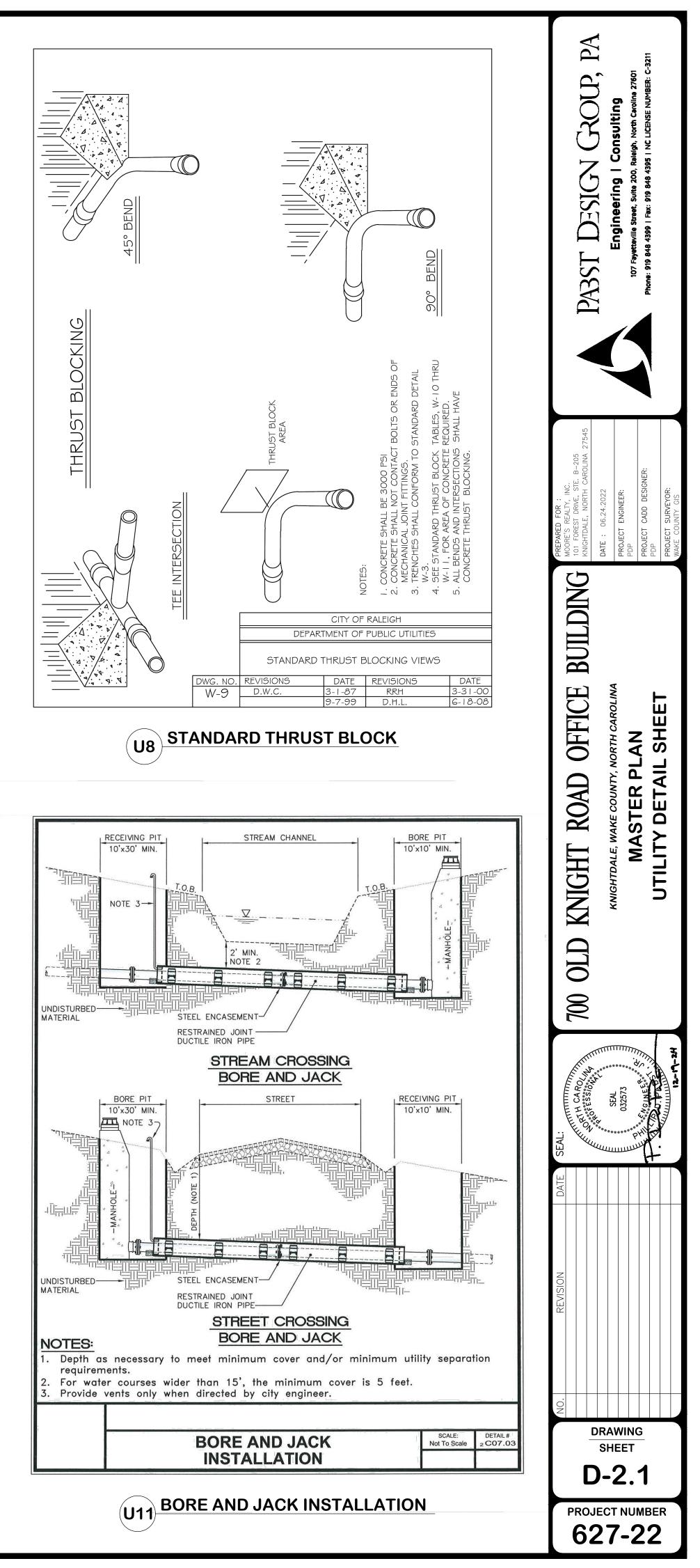


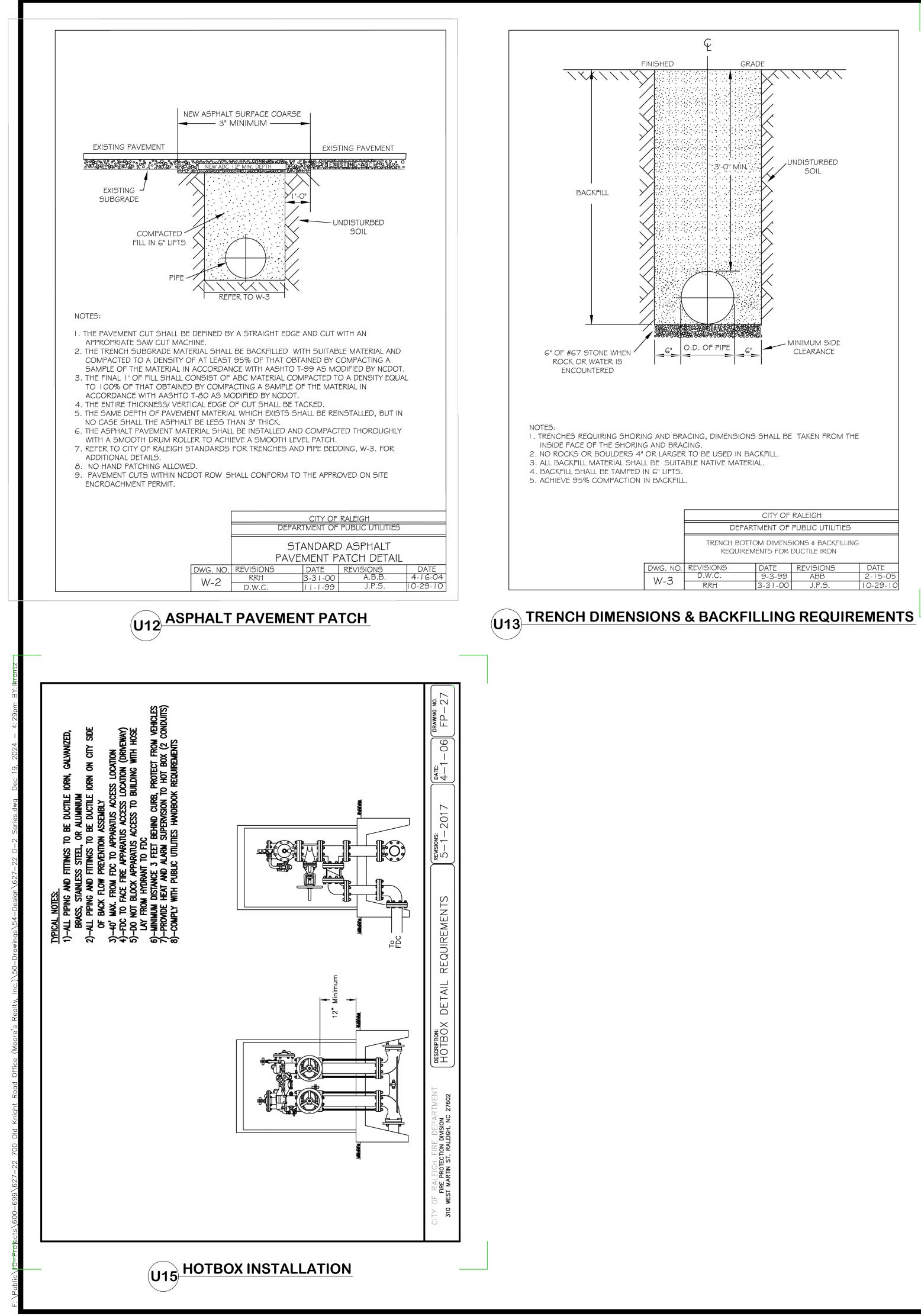


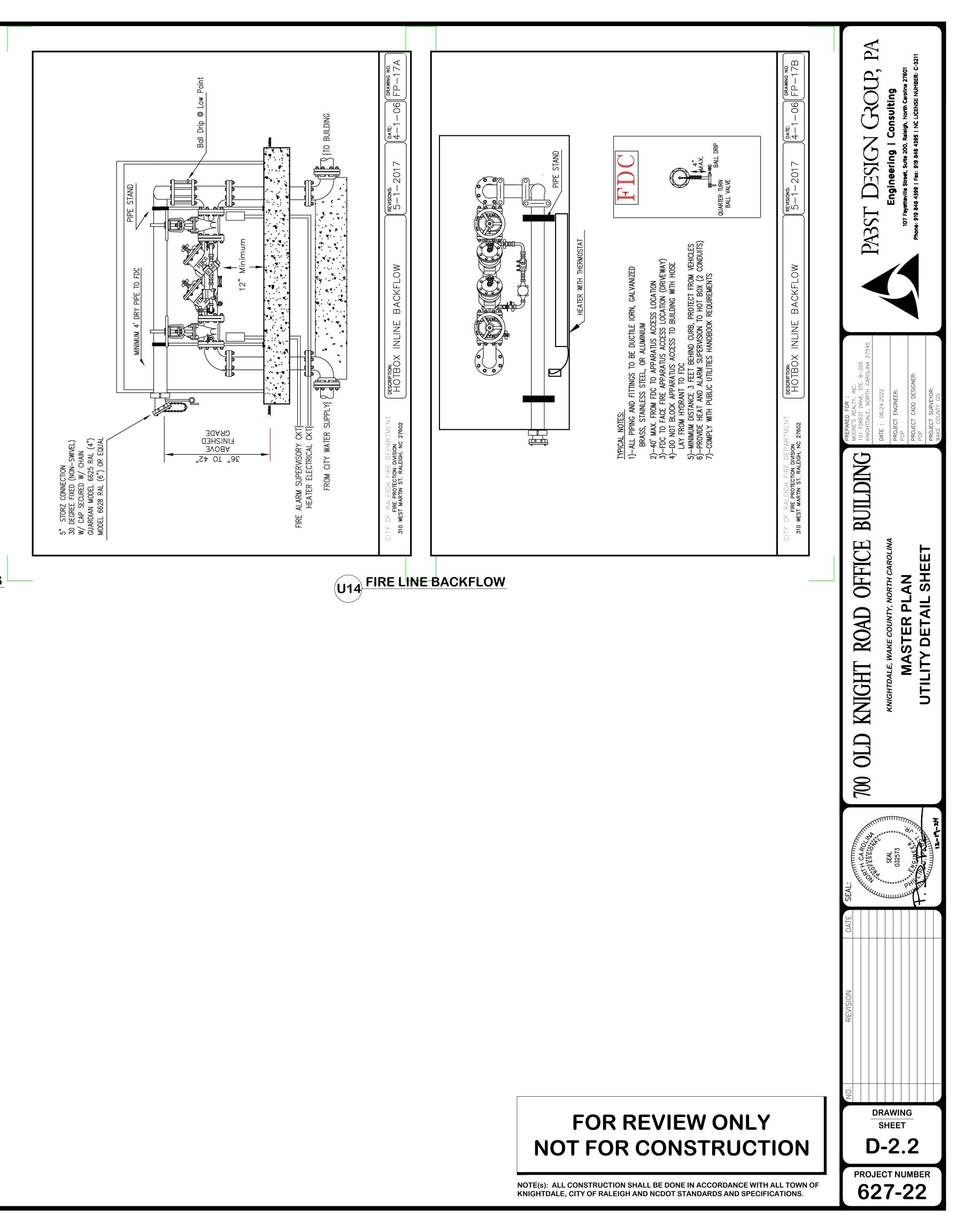
(U3) STANDARD FIRE HYDRANT INSTALLATION

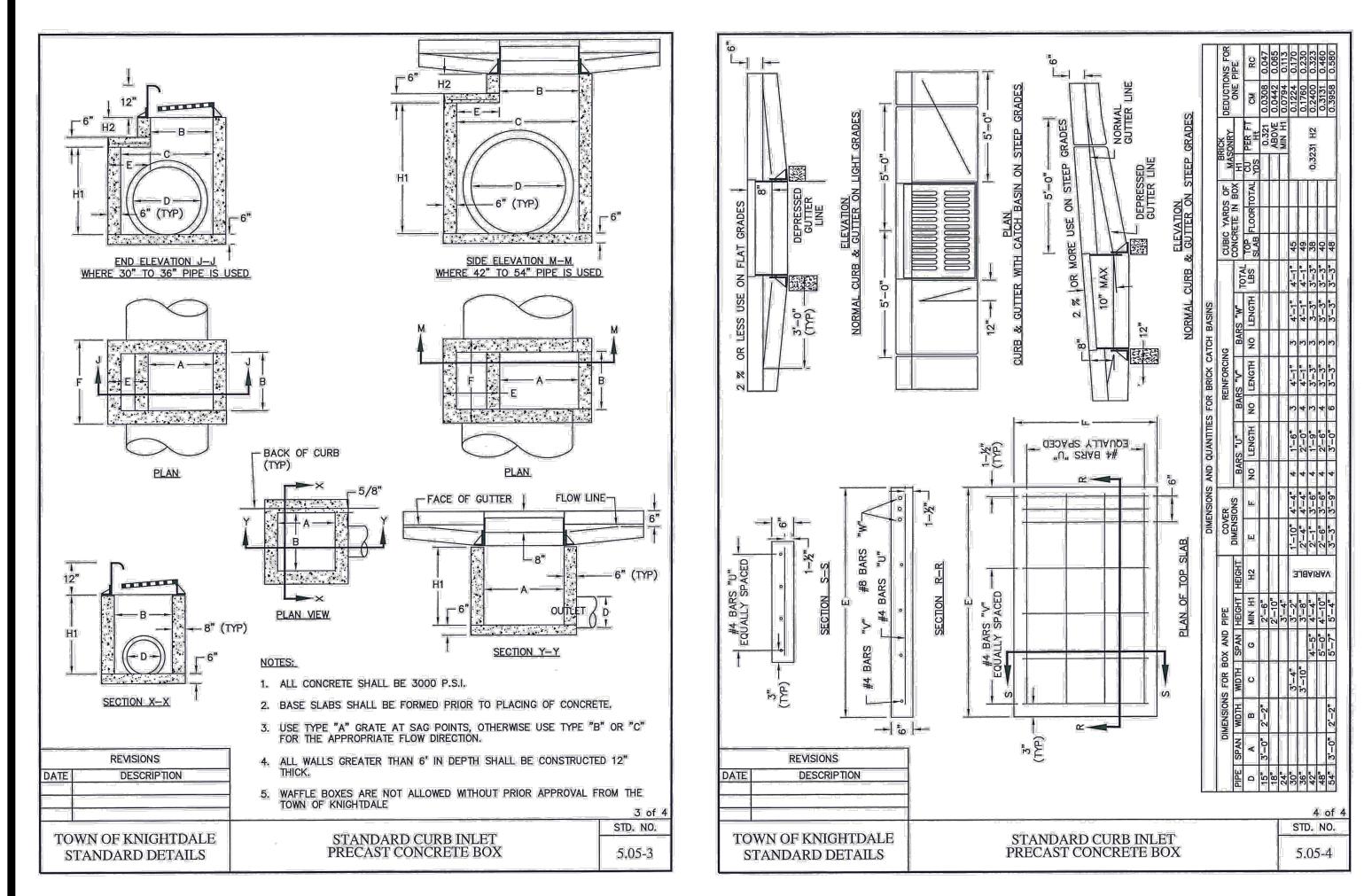




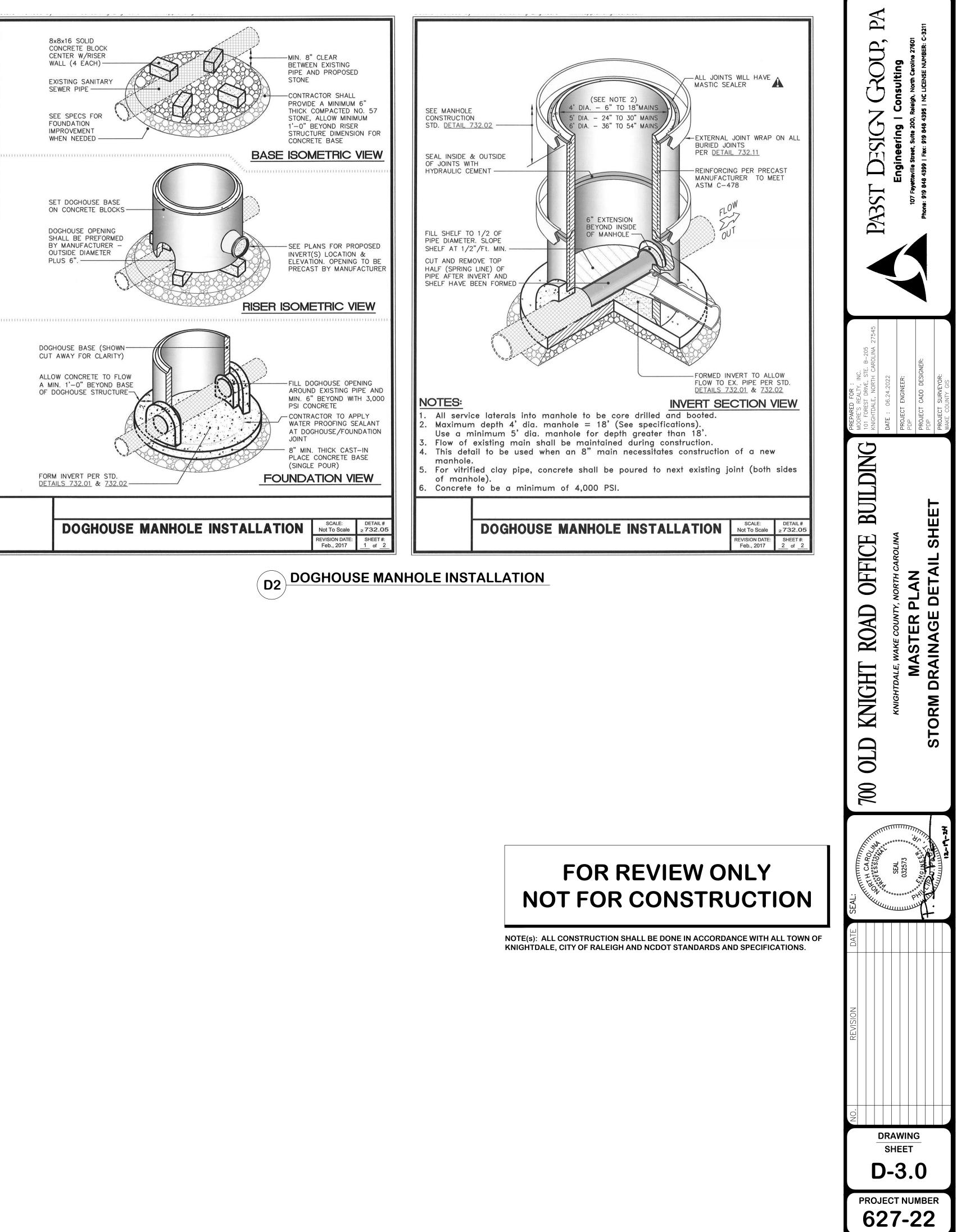








D1 STANDARD CURB INLET





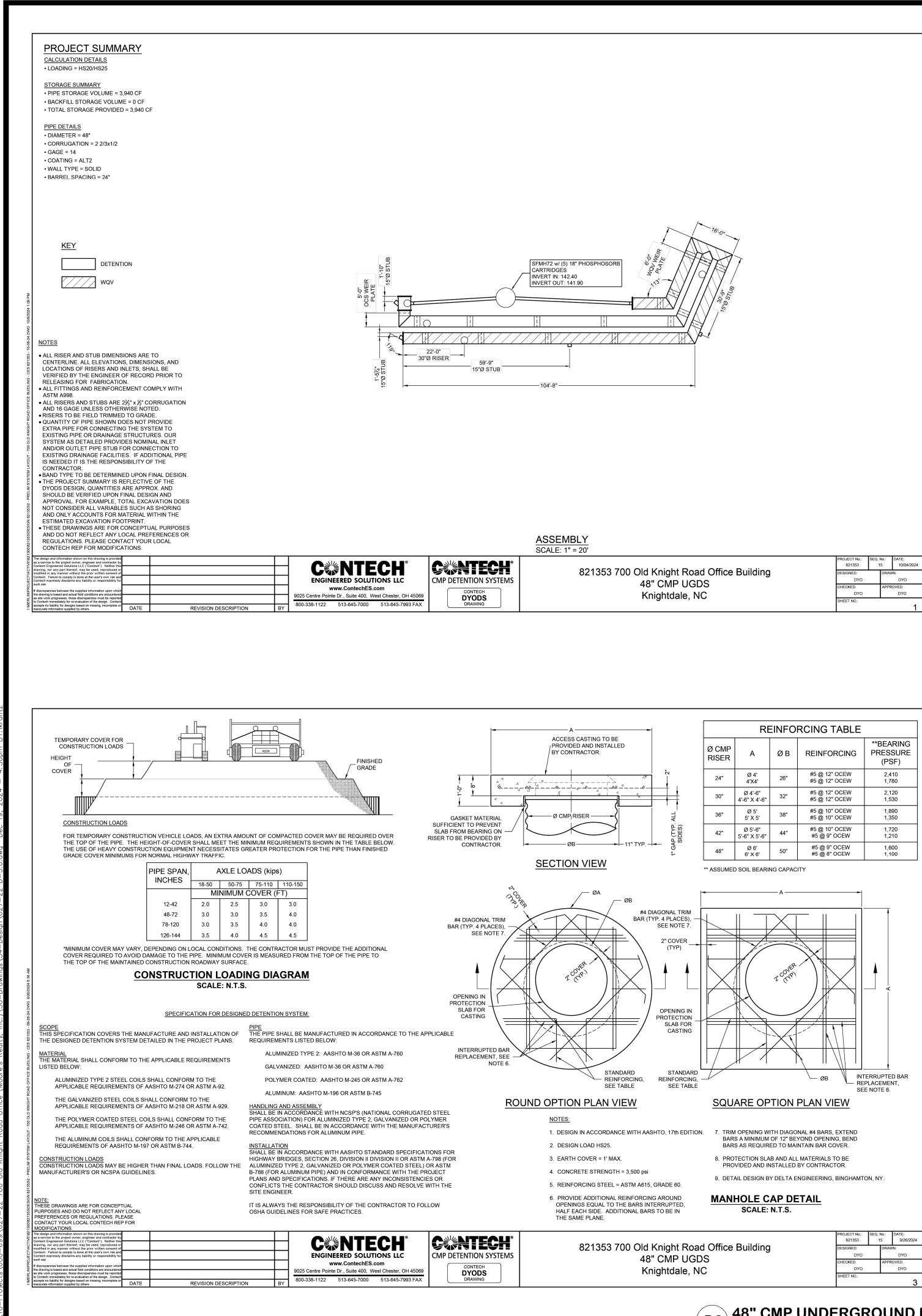


	TABLE 1:						6	
	DIAMET	TER, D	MIN. COVER	CORR. PROFILE		+	B	
	6"-1	0"	12"	1 1/2" x 1/4"	1 :	ЕË	<u></u> 5B € •	
	12"-4	48"	12"	2 2/3" x 1/2"	1	CO P		
	>48"-	96"	12"	3" x 1", 5" x 1"	1	VER NIN	⊈ B	
	>96	6"	D/8	3" x 1", 5" x 1"	7 8	(FOR MIN. COVER,	5A)	
	LIMITS TOTAL CONVE FROM PAVEM ULTRA	OF THE T HEIGHT ( ENTIONAL TOP OF P IENT OR T FLO ALSO	TABLE OF COMPACT . HIGHWAY LC IPE TO BOTT TOP OF RIGID	FOR SIZES 18"	JRED .E		A 2 TRENCH	
	Т	ABLE 2:						
	-	M	ATERIAL LOC	ΑΤΙΟΝ				
	-	1017		Allon				MINIMUM TRENC
		FIL	L ENVELOPE	WIDTH		Ρ	ER ENGINEER OF RECORD	THE SUGGE
	2		FOUNDATIC	ON	AASH	ITO 26	6.5.2 OR PER ENGINEER OF RECORD	PRIOR TO PLA FOUNDATION MA
	3		BEDDING	3			<b>ito M 43: 3, 357, 4, 467, 5, 56, 57</b> Regional Equivalents include CA-7)	ENGINEER OF REC WELL GRADED GRA FOUNDATIC
	4							
	5A)	С	RITICAL BAC	KFILL		A	ASHTO M 145: A-1, A-2, A-3 *	HAUNCH ZONE BACKFILL SHALL THAT THERE IS NO
	(5B)		BACKFILL			A	ASHTO M 145: A-1, A-2, A-3	WELL GRADED GRA
	6	(	COVER MATE	RIAL			IN. COVER - SEE 5A AND 5B ABOVE COVER - PER ENGINEER OF RECORD	
		RIGID OF	R FLEXIBLE PA APPLICABL			Ρ	ER ENGINEER OF RECORD	FLEXIBLE PAVEN
	Â	OPTIC	NAL SIDE GE	OTEXTILE			NONE	
	B		AL GEOTEXTII LAYERS	LE BETWEEN			NONE	IF SOIL TYPES DIFF
	N • *	SPACI	NG IS 36". CO	NTACT YOUR C	CONTECH I	REPR	COMMENDED STANDARD SPACING BETW RESENTATIVE FOR NONSTANDARD SPACI DN 5A INCLUDE CA-7, CODOT #67, MIDOT	NG.
The design and information shown on this drawing is provide as a service to the project owner, engineer and contractor b	ed				I			
as a service to the project owner, engineer and contractor by contech Engineered Solutions LLC ("Contech"). Neither thii frawing, nor any part thereof, may be used, reproduced o nodified in any manner without the prior written consent o contech. Failure to comply is done at the user's own risk an	or of						<b>C</b> INTECH	
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f discrepancies between the supplied information upon whici he drawing is based and actual field conditions are encounterer as site work progresses, these discrepancies must be reporter o Contech immediately for re-evaluation of the design. Contect	ed ed sh						9025 Centre Pointe Dr., Suite 400, West Chester	
accepts no liability for designs based on missing, incomplete o naccurate information supplied by others.	DATE		REVISIO	ON DESCRIPTION		BY	800-338-1122 513-645-7000 513-645-	7993 FAX

APPROPRIATE FOR YOUR SITE. FOUNDATION CONSTRUCT A FOUNDATION THAT CAN SUPPORT THE DESIGN LOADING APPLIED BY THE PIPE AND ADJACENT BACKFILL WEIGHT AS WELL AS MAINTAIN ITS INTEGRITY DURING CONSTRUCTION. IF SOFT OR UNSUITABLE SOILS ARE ENCOUNTERED, REMOVE THE POOR SOILS DOWN TO A SUITABLE DEPTH AND THEN BUILD UP TO THE APPROPRIATE FLEVATION 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. OGRID USED TO REDUCE BACKFILL -EFFECTIVE METHODS. GEOGRID WASN'T USED

NDERCUT AND REPLAC 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

CMP DETENTION INSTALLATION GUIDE

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

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

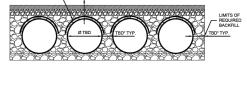
NGINEERED SOLUTIONS STRONGLY SUGGESTS SCHEDULING A

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 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

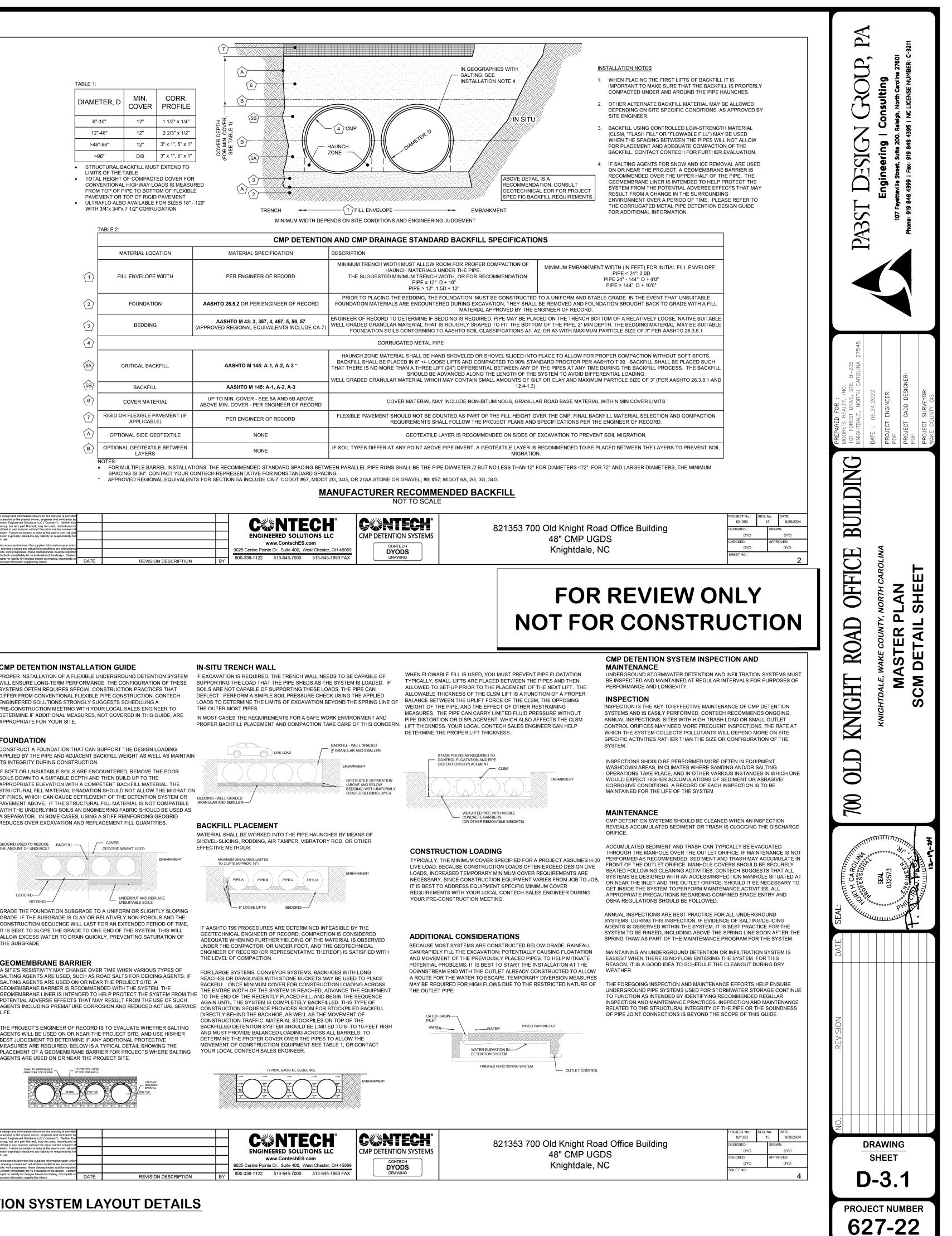
THE PROJECT'S ENGINEER OF RECORD IS TO EVALUATE WHETHER SALTING AGENTS WILL BE USED ON OR NEAR THE PROJECT SITE, AND USE HIS/HER

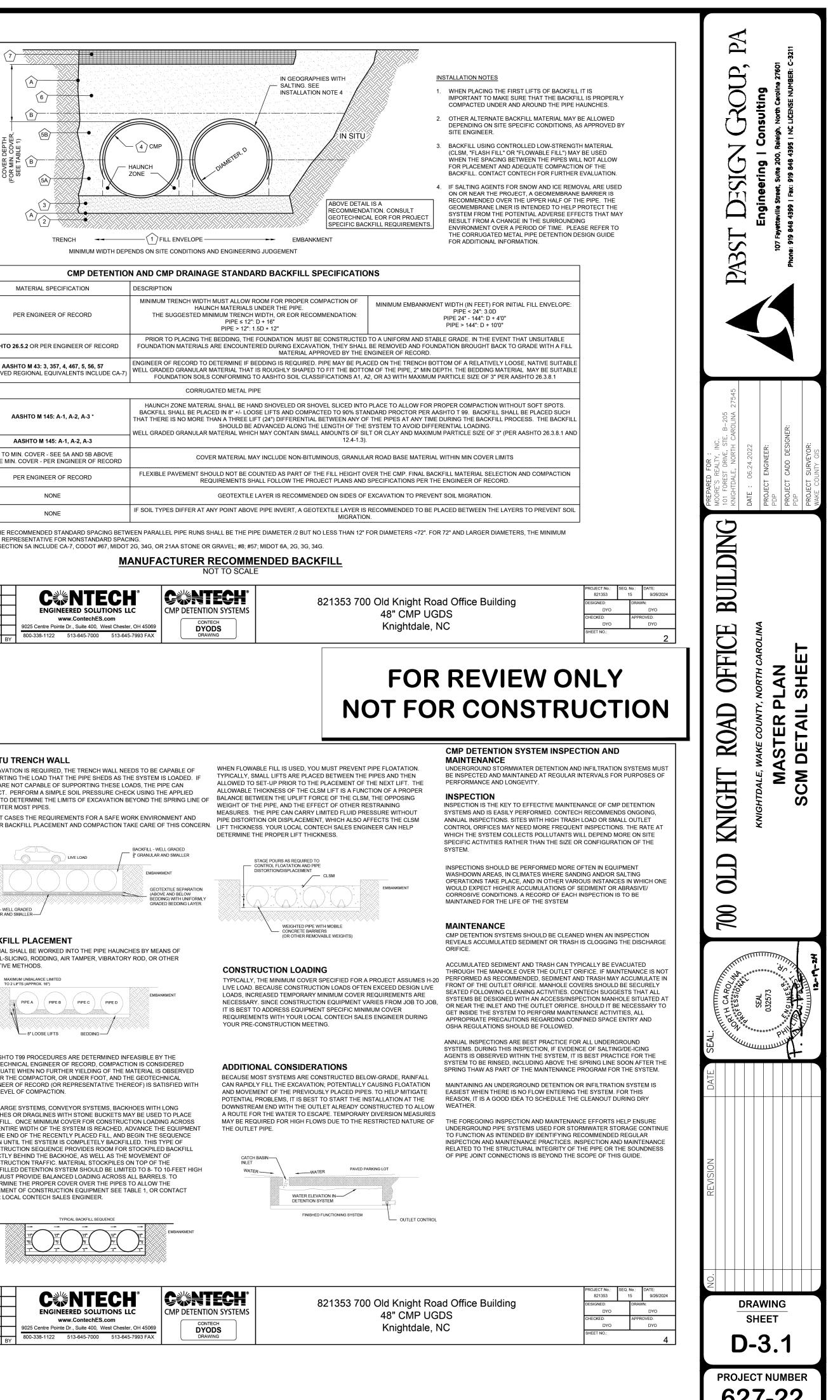
BEST JUDGEMENT TO DETERMINE IF ANY ADDITIONAL PROTECTIVE MEASURES ARE REQUIRED. BELOW IS A TYPICAL DETAIL SHOWING THE PLACEMENT OF A GEOMEMBRANE BARRIER FOR PROJECTS WHERE SALTING AGENTS ARE USED ON OR NEAR THE PROJECT SITE.



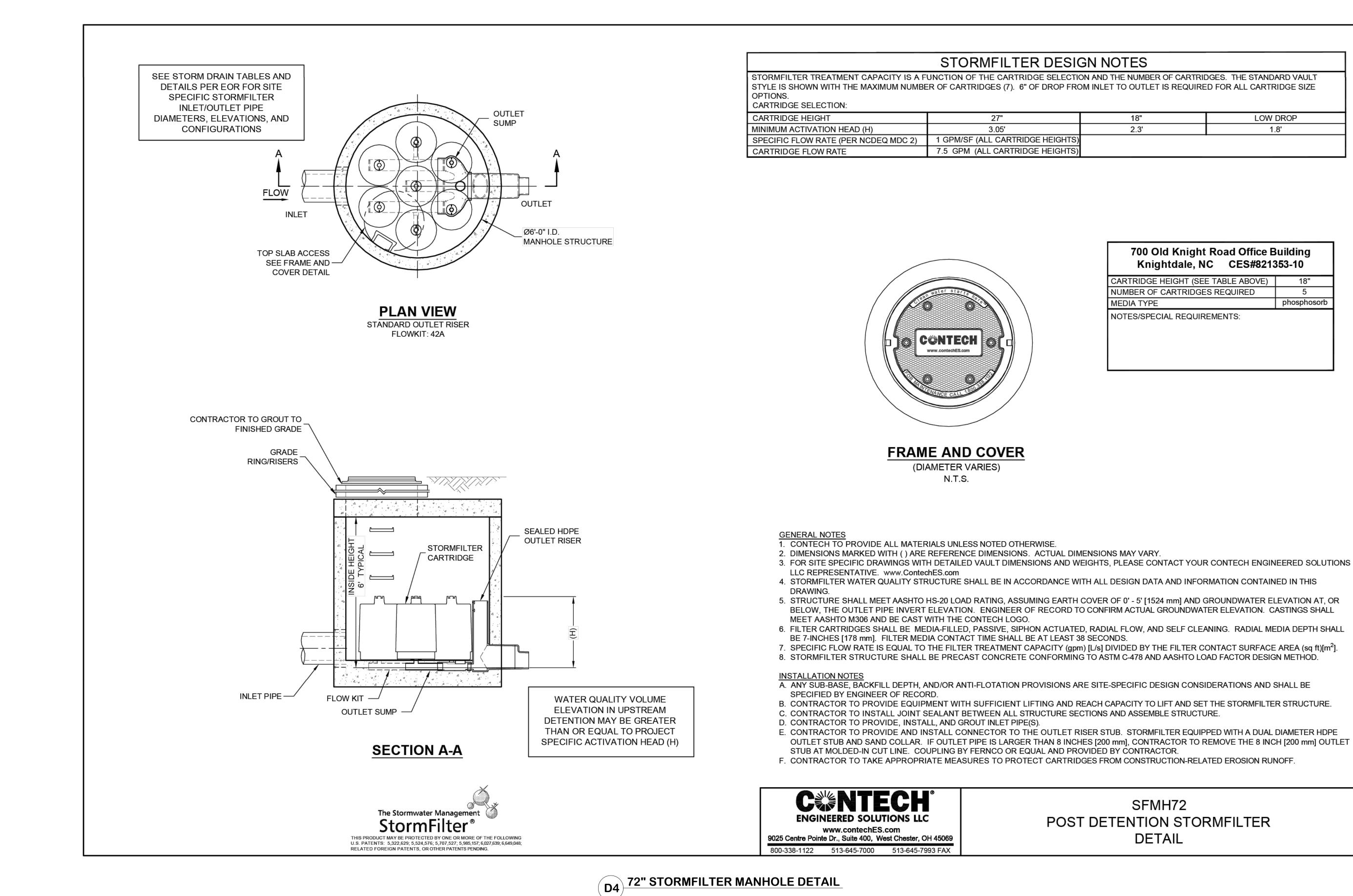
**REVISION DESCRIPTIOI** 

YOUR LOCAL CONTECH SALES ENGINEER.





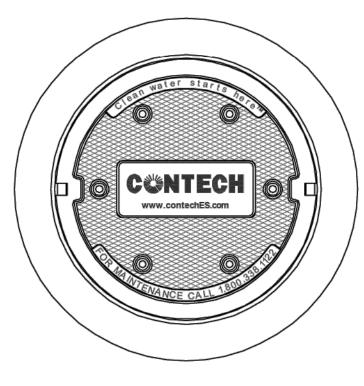
## D3 48" CMP UNDERGROUND DETENTION SYSTEM LAYOUT DETAILS



## STORMFILTER DESIGN NOTES

STORMFILTER TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE SELEC
STYLE IS SHOWN WITH THE MAXIMUM NUMBER OF CARTRIDGES (7). 6" OF DROP I
OPTIONS.
CARTRIDGE SELECTION:

CARTRIDGE HEIGHT	27"	18"	LOW DROP			
MINIMUM ACTIVATION HEAD (H)	3.05'	2.3'	1.8'			
SPECIFIC FLOW RATE (PER NCDEQ MDC 2)	1 GPM/SF (ALL CARTRIDGE HEIGHTS)					
CARTRIDGE FLOW RATE	7.5 GPM (ALL CARTRIDGE HEIGHTS)					

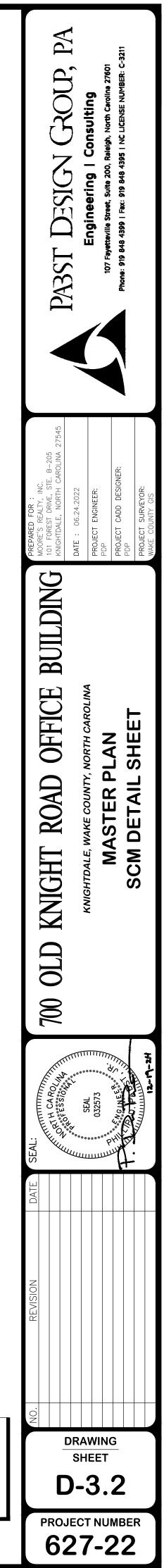


ECTION AND THE NUMBER OF CARTRIDGES. THE STANDARD VAULT FROM INLET TO OUTLET IS REQUIRED FOR ALL CARTRIDGE SIZE

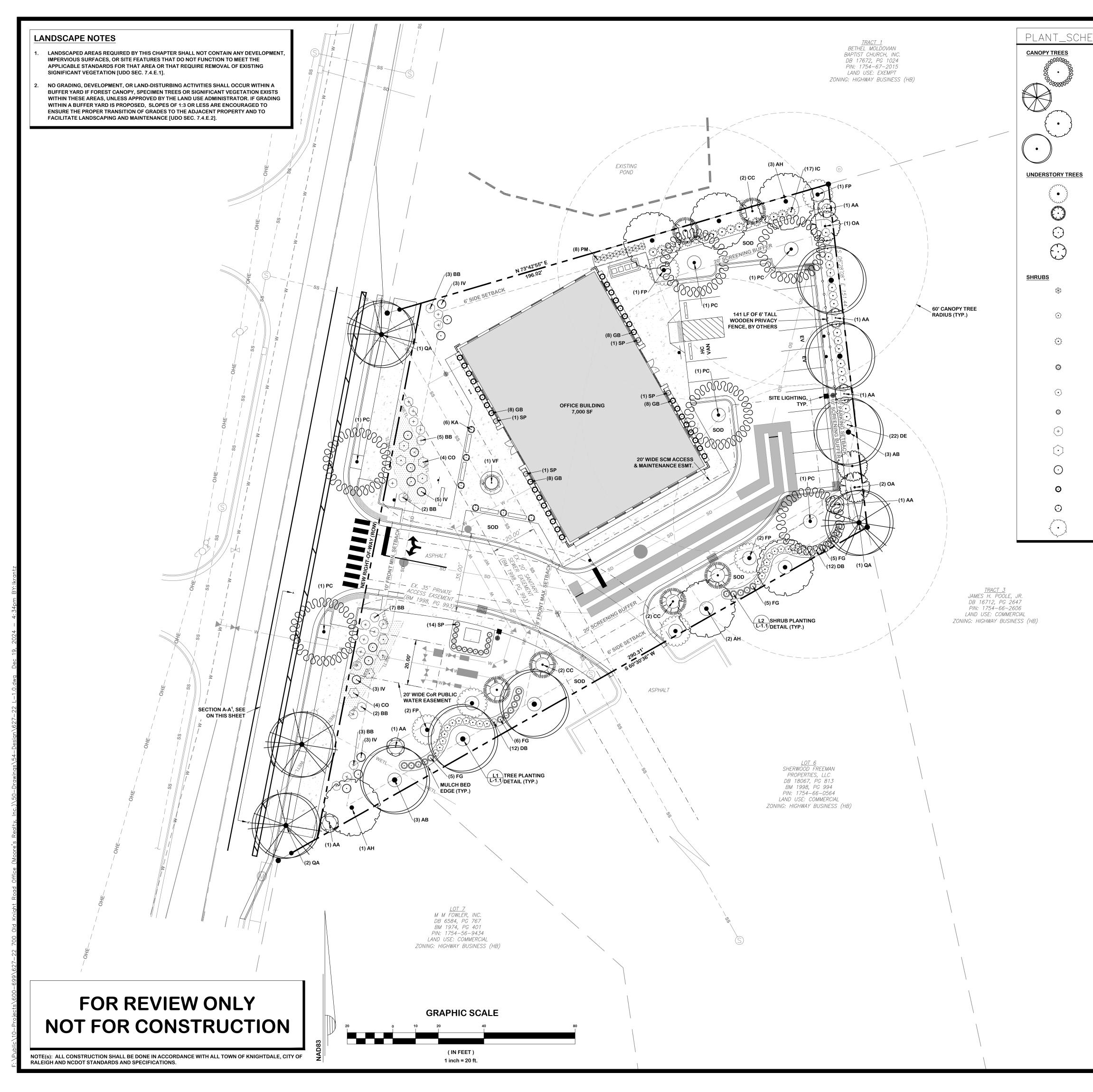
700 Old Knight Road Office B Knightdale, NC CES#8213	•
CARTRIDGE HEIGHT (SEE TABLE ABOVE)	18"
NUMBER OF CARTRIDGES REQUIRED	5
MEDIA TYPE	phosphosorb
NOTES/SPECIAL REQUIREMENTS:	

## SFMH72 POST DETENTION STORMFILTER DETAIL

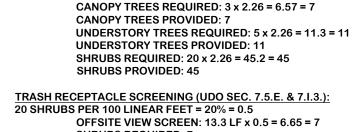
## FOR REVIEW ONLY **NOT FOR CONSTRUCTION**



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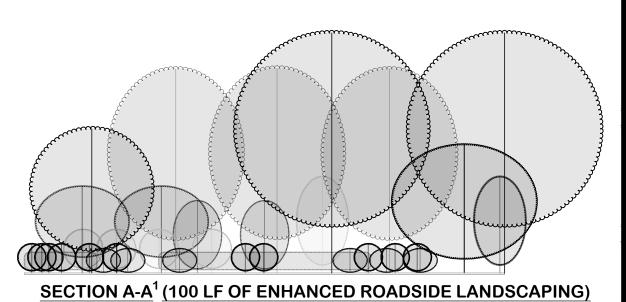
EDULE_	SH	EET	L-1.0				
		<u>%</u>	BOTANICAL / COMMON NAME	CALIPER	HEIGHT	CONTAINER	LOCATION
PC	6	27.3	Pistacia chinensis Chinese Pistache	2" MIN.	8` MIN.	B&B	STREET, PARKING LOT
QA	4	18.2	Quercus acutissima Sawtooth Oak	2" MIN.	8` MIN.	B&B	STREET, SOUTH BUFFER
АН	6	27.3	Carpinus caroliniana American Hornbeam	2" MIN.	8` MIN.	B&B	NORTH & SOUTH BUFFERS
AB	6	27.3	Acer rubrum 'Brandywine' Brandywine Maple Tree	2" MIN.	8` MIN.	B&B	EAST & SOUTH BUFFERS
FP	6	28.6	Cercis canadensis `Forest Pansy` Forest Pansy Eastern Redbud	1.5" MIN.	6` MIN.	B&B	NORTH & SOUTH BUFFERS
сс	6	28.6	Cotinus coggygria Smoketree	1.5" MIN.	6` MIN.	B&B	NORTH & SOUTH BUFFERS
AA	6	28.6	Amelanchier arborea Downy Serviceberry	1.5" MIN.	6` MIN.	B&B	EAST & SOUTH BUFFERS
OA	3	14.3	Oxydendron arboreum Sourwood	1.5" MIN.	6` MIN.	B&B	EAST BUFFER
				INSTALL	MATURE HT.	MATURE WIDTH	<u>1</u>
РМ	8	4.1	Podocarpus macrophyllus `Maki` Maki Shrubby Yew Podocarpus	36" MIN.	8-10`	3-4`	SCREENING (TRASH)
DB	24	12.4	Distylium `Blue Cascade` Blue Cascade Distylium	18" MIN.	3-4`	3-4`	SOUTH BUFFER
IC	17	8.8	llex vomitoria `Condeaux` Bordeaux Yaupon Holly	18" MIN.	3-4`	3-4`	NORTH BUFFER
FG	21	10.9	Gardenia jasminoides `Frostproo Frostproof Gardenia	f 18" MIN.	5`	4`	SOUTH BUFFER
DE	22	11.4	Distylium x `PIIDIST-I` Emerald Heights Distylium	18" MIN.	5`	5`	EAST BUFFER
SP	18	9.3	llex crenata `Sky Pencil` Sky pencil Japanese Holly	36" MIN.	6-8`	1-3`	SCREENING (UTILITIES), FOUNDATION
BB	22	11.4	Callicarpa americana American Beautyberry	18" MIN.	3-8`	3-6`	ENHANCED ROADSIDE
СО	8	4.1	Cephalanthus occidentalais Button bush	18" MIN.	5-8`	3-6`	ENHANCED ROADSIDE
IV	14	7.3	Itea virginica 'Henry's Garnet' Henry's Garnet Virginia Sweetsp	18" MIN. ire	3-5`	3-5`	ENHANCED ROADSIDE
GB	32	16.6	llex glabra 'Gem Box' Gembox Inkberry Holly	12" MIN.	3`	3`	FOUNDATION
KA	6	3.1	Abelia x grandiflora 'Kaleidoscor Kaleidoscope Abelia	be' 12" MIN.	2-3`	3-4`	PUBLIC GATHERING SPACE
VF	1	0.5	Vitex x Flip Side Flip Side Chaste Tree	36" MIN.	8`	8`	PUBLIC GATHERING SPACE
			INTERIO NO PAR CANOP PARKIN VEHICL VEHICL TYPE B 3 CANO NORTH EASTEF REG	Y TREE. A DECIDUO IG ROW. DECIDUOUS CA DECIDUOUS CA DECIDUOUS CA E ACCOMODATION BUFFER YARD: PER PY TREES, 5 UNDER ERN TYPE B BUFFEF CANOPY TREES UNDERSTORY T UNDERSTORY T UNDERSTORY T SHRUBS REQUI SHRUBS REQUI SHRUBS PROVI SHRUBS PROVI RN TYPE B BUFFER S QUIREMENT HAS BE ME NUMBER OF PLA ANTED, AND A FENC CANOPY TREES CANOPY TREES	NDSCAPING BE MORE THUS CANOPY NOPY TREES NOPY TREES SCREENING AREAS SHAL EVERY 100 L STORY TREE SCREENING REQUIRED: PROVIDED: REES REQUI REES PROVI RED: 20 x 0.8 DED: 17 CREENING: EN ADMINIS NTINGS REQ E IS CONSTF REQUIRED: PROVIDED: REES REQUI REES REQUI REES REQUI REES REQUI REES REQUI REES REQUI	$\frac{(UDO SEC. 7.4.J.)}{14N 60 FT FROM T} \\ TREE SHALL BE P \\ S REQUIRED: 4 \\ S PROVIDED: 4 \\ (UDO SEC. 7.5.B.): \\ L BE SCREENED F \\ INEAR FEET (LF), \\ S, AND 20 SHRUB \\ S: 85 LF \\ 3 x 0.85 = 2.55 = 3 \\ 3 \\ RED: 5 x 0.85 = 4.2 \\ DED: 4 \\ 12 E (EASTERN 1) \\ 112 LF (EASTERN 1) \\ 112 L$	ROM OFF-SITE VIEWS WITH A S REQUIRED. 25 = 4 20' PARKING LOT SCREENING CED TO 10', PROVIDED THAT THE TYPE B BUFFER STILL BE

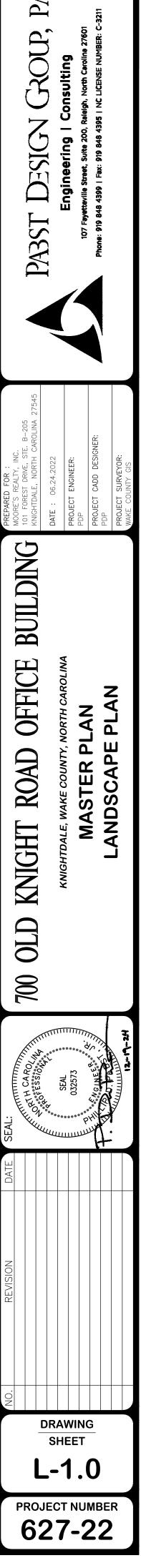


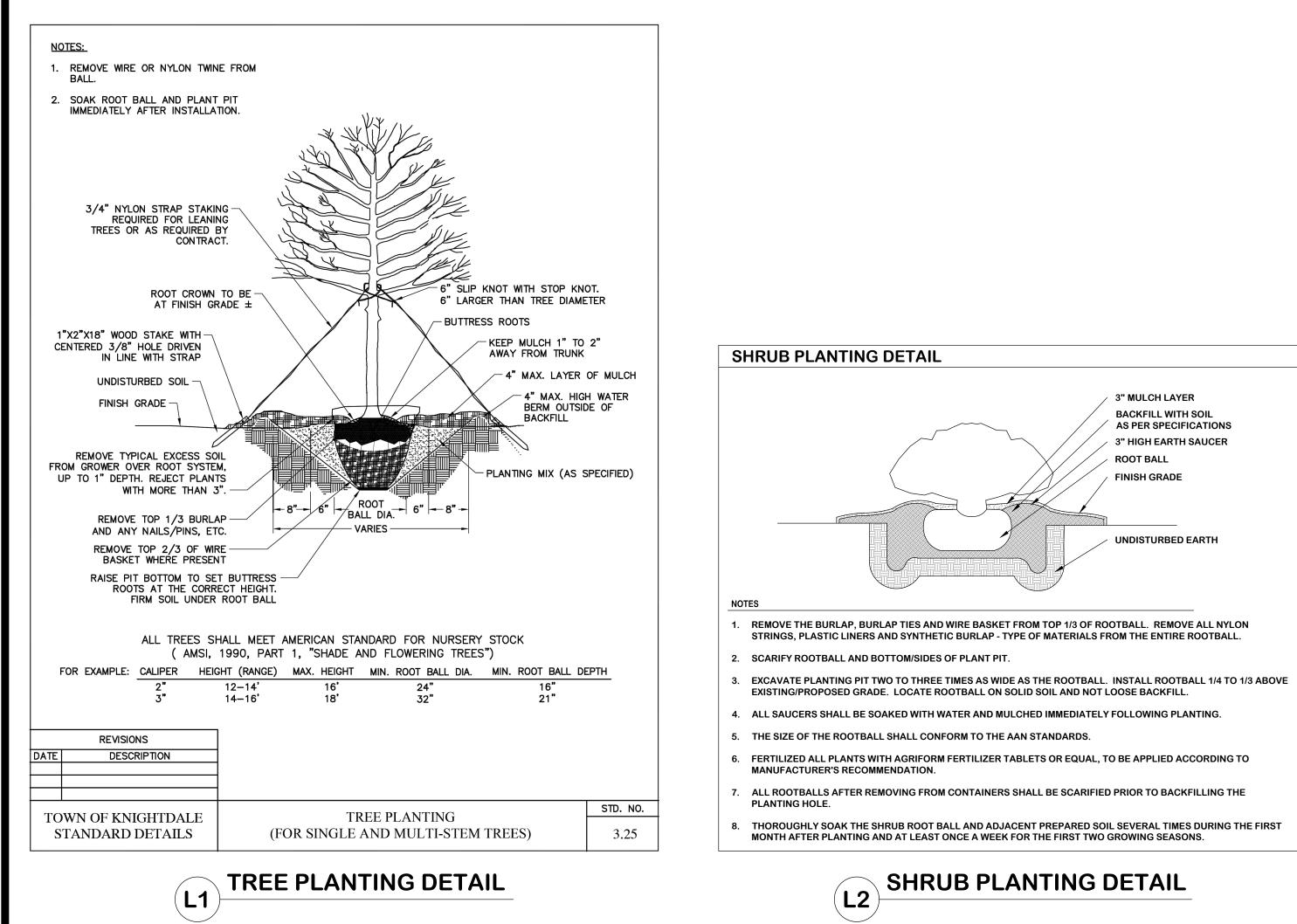
OFFSITE VIEW SCREEN: 13.3 LF x 0.5 = 6.65 = 7 SHRUBS REQUIRED: 7 SHRUBS PROVIDED: 8 <u>STREET TREES (UDO SEC. 7.4.L.):</u> STREET TREES SPACED 40' AVG.

240 LF R/W - 33 SITE ACCESS = 207 LF STREET TREES REQUIRED: 207 / 40 = 5.18 = 5 STREET TREES PROVIDED: 5

#### ENHANCED ROADSIDE LANDSCAPING SHRUBS: LANDSCAPE ABOVE AND BEYOND UDO REQUIREMENTS REQUIRED: LANDSCAPE ABOVE AND BEYOND UDO REQUIREMENTS (MORE THAN JUST STREET TREES) PROVIDED: 44 DECIDUOUS SHRUBS











## 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.

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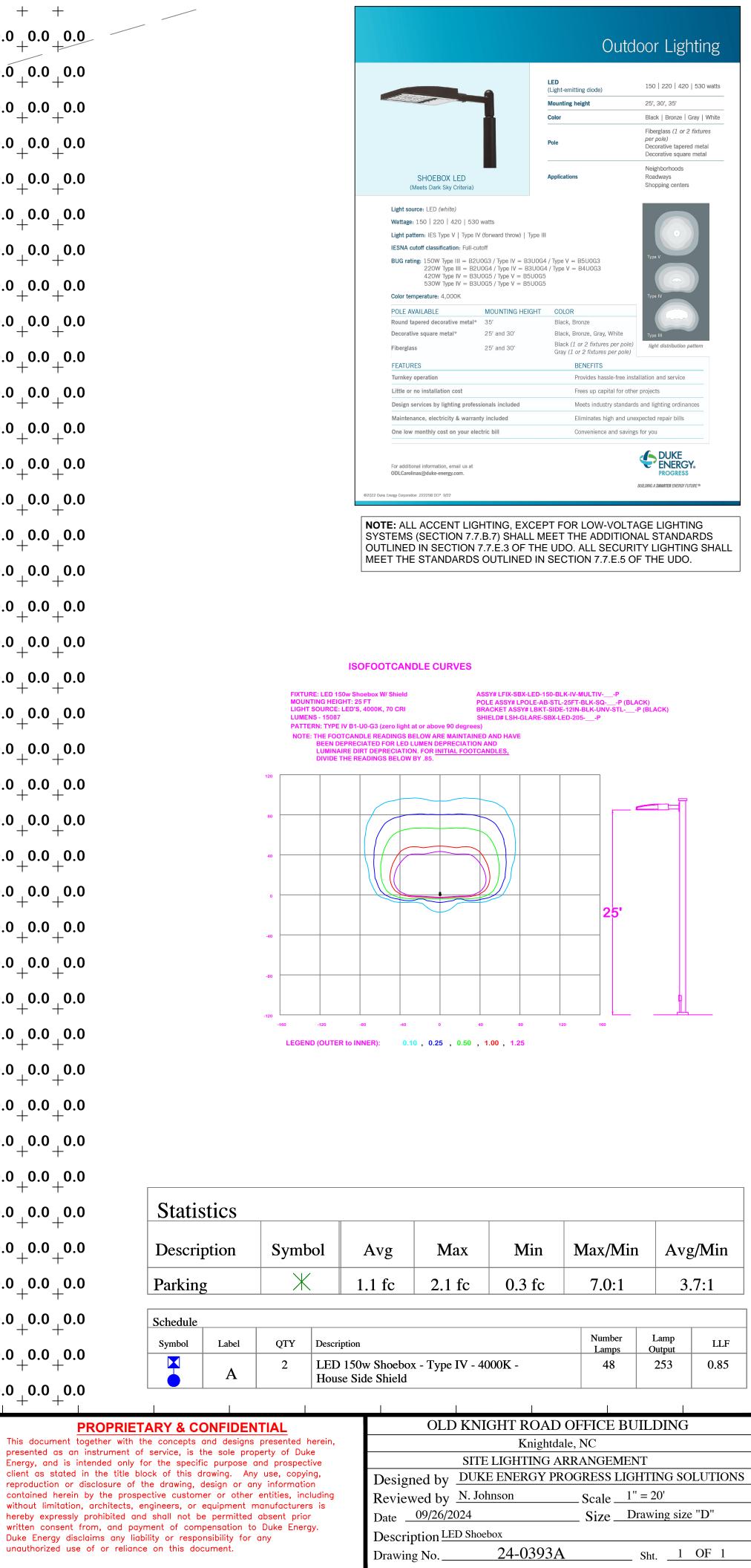


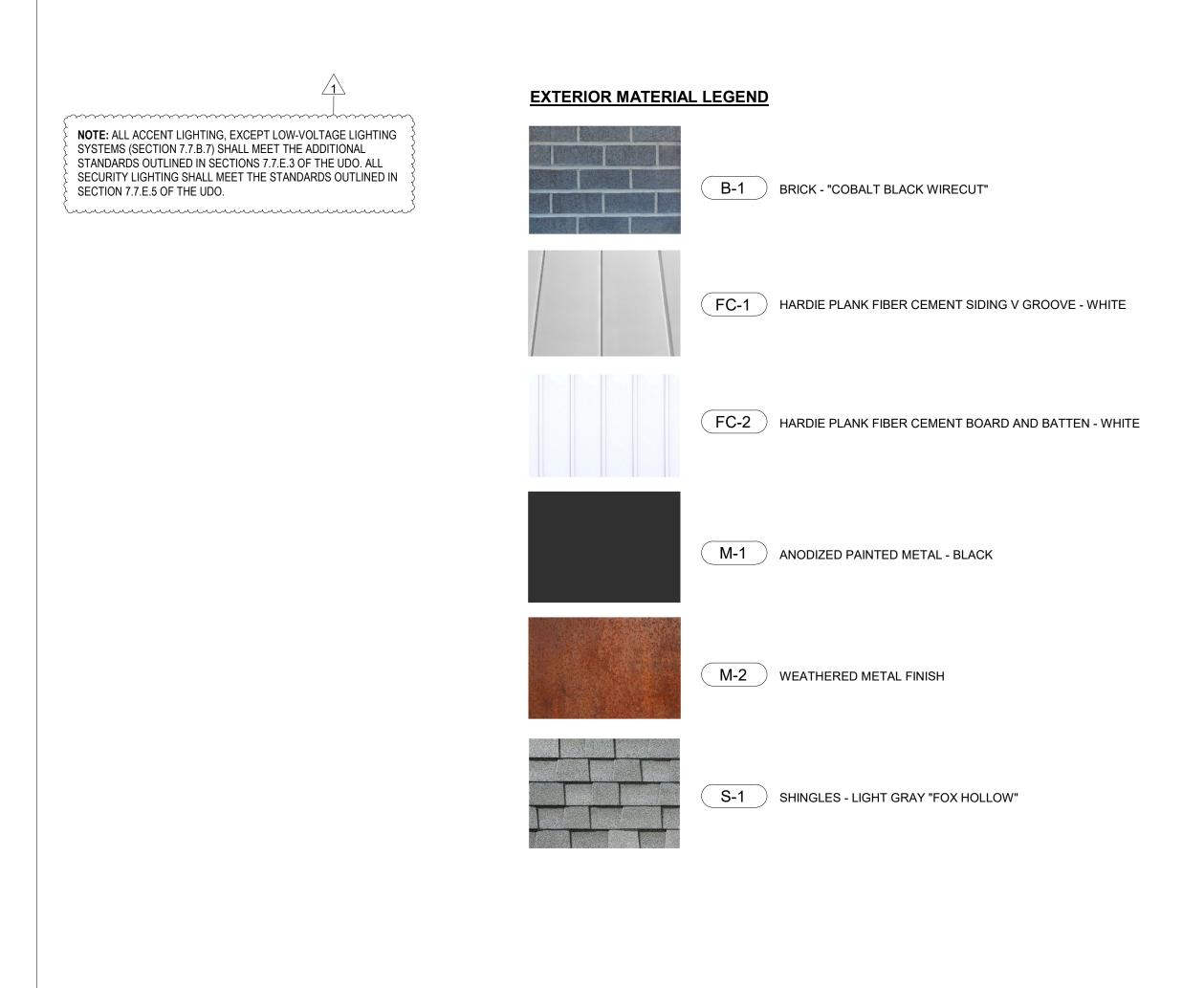
**LIGHTING DESIGN TOLERANCE** The calculated footcandle light levels in this lighting design are predicted values and are based on specific information that has been supplied to Duke Energy. Any inaccuracies in the supplied information, differences in luminaire installation, lighted area geometry including 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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5 <u>PLAN</u> 1/8" = 1'-0"

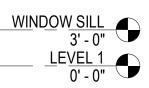


ACTUAL MASONRY PROVIDED: 544SF (53%)



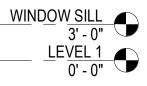
TOTAL FACADE AREA: (100'L X 11'H) = 1,100SF GLAZING REQUIRED: 1,100SF X .4 = 440SF REQUIRED (40%) ACTUAL GLAZING PROVIDED: 483SF (47%)

<u>TOP PLATE</u> 10' - 6"



<u>\_\_\_\_\_\_OF ROOF</u> 28' - 8"

<u>TOP</u> P<u>LATE</u> 10' - 6"



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

## 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



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





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