

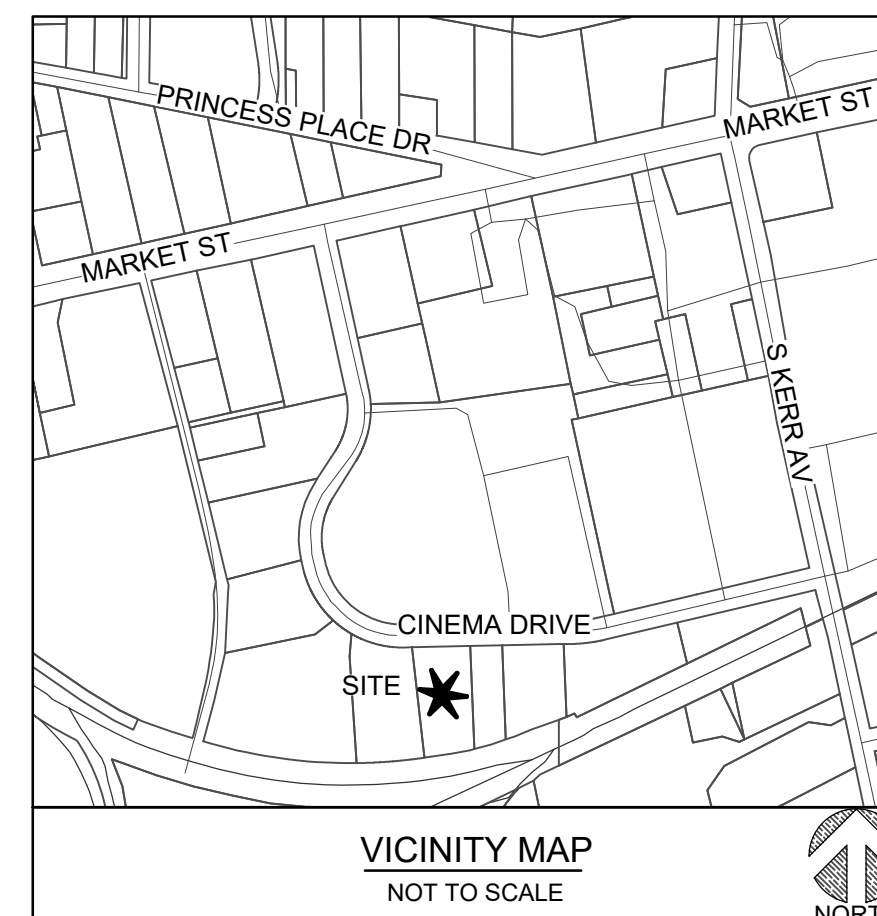
SMILE STRAIGHT ORTHODONTICS

126 CINEMA DRIVE
WILMINGTON, NORTH CAROLINA

CONSTRUCTION DOCUMENTS

APRIL 2022

FOR
KIDS DENTAL BRANDS
5717 E. THOMAS ROAD, SUITE 100
SCOTTSDALE, AZ 85251



NOTICE REQUIRED

ALL EXISTING UNDERGROUND UTILITIES SHALL BE PHYSICALLY LOCATED PRIOR TO THE BEGINNING OF ANY CONSTRUCTION IN THE VICINITY OF SAID UTILITIES.

CONTRACTORS SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION AT LEAST TWO WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION.

CONTRACTORS SHALL CONTACT OVERHEAD ELECTRIC PROVIDER TO COMPLY WITH FEDERAL OSHA 1910.333 MINIMUM APPROACH DISTANCE TO ENERGIZED POWERLINES AND OSH 29 CFR 1926.1407-1411 MUST BE FOLLOWED.

CONTACT THESE UTILITIES

CITY OF WILMINGTON PLANNING & DEVELOPMENT
ATTN: BRIAN CHAMBERS, PLANNER
PH: 910-342-2782

ATTN: ZONING INSPECTIONS
PH: 910-254-0900

PIEDMONT NATURAL GAS
ATTN: CATHY PLEASANT
PH: 910-251-2827

EMERGENCY DIAL 911
POLICE - FIRE - RESCUE

CAPE FEAR PUBLIC UTILITY AUTHORITY (WATER & SEWER)
ENGINEERING/INSPECTIONS
PH: 910-332-6560

OPERATIONS/MAINTENANCE
PH: 910-322-6550

DUKE ENERGY
DISTRIBUTION CONSTRUCTION SERVICE
PH: 910-256-7223
DEP CSC PH: 1-800-452-2177

AT&T/BELL SOUTH
ATTN: JAMES BATSON, ENGINEERING
PH: 910-341-1821

TIME WARNER CABLE
PH: 910-763-4638



Know what's below.
Call before you dig.

SMILE STRAIGHT ORTHODONTICS
126 CINEMA DRIVE
WILMINGTON, NORTH CAROLINA


PROJECT # 21434.PE

APRIL 2022

SHEET INDEX

SHEET NUMBER	SHEET TITLE
C-0.0	COVER SHEET
C-1.0 & C-1.1	GENERAL NOTES
1 OF 1	EXISTING CONDITIONS SURVEY
C-2.0	SITE & UTILITY PLAN
C-3.0	GRADING-DRAINAGE-EC PLAN
C-3.1 & C-3.3	DRAINAGE AREA MAPS
C-4.0 thru C-4.4	DETAILS
L-1.0	TREE REMOVAL PLAN
L-2.0	LANDSCAPE PLAN

APPROVALS:


 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN
 Date: _____ Permit # _____
 Signed: _____

Approved Construction Plan

Date: 4/13/22

2021060

SWP #: 2022019
PO, CW, ES, MB, BM

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

CONSULTANTS:

APPLICANT:
KIDS DENTAL BRANDS
5717 E. THOMAS ROAD, SUITE 100
SCOTTSDALE, AZ 85251

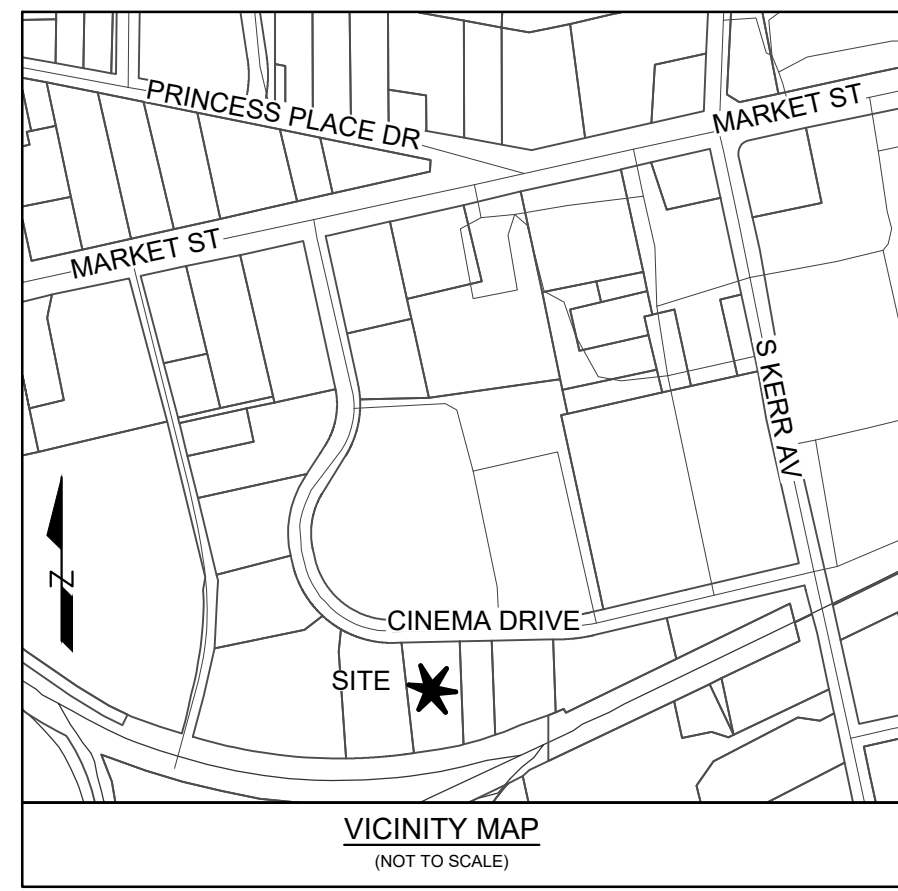
**ENGINEER /
LANDSCAPE ARCHITECT /
SURVEYOR:**

PARAMOUNTE ENGINEERING, INC.
122 CINEMA DRIVE
WILMINGTON, NORTH CAROLINA 28403
ATTN: ANDREW RICHARDS, PE
JIM CIRIELLO, RLA
JOSH TAYLOR, RPLS
PHONE: (910) 791-6707

PREPARED BY:


 122 Cinema Drive Wilmington, North Carolina 28403
 (910) 791-6707 (O) (910) 791-6760 (F)
 NC License #: C-2846

ISSUED FOR CONSTRUCTION



SPRIT MASTER FUNDING II LLC
 R04914-005-009-003
 D.B. 5807, PG. 2266
 M.B. 37, PG. 356
 LAND USE: BUSINESS
 ZONING: RB

10' NONMUNICIPAL UTILITY ESMT.
 M.B. 35, PG. 333

CINEMA DRIVE
 60' PUBLIC RW (M.B. 36, PG. 220)

UPSIDE REAL ESTATE GROUP
 R04914-005-019-000
 D.B. 6458, PG. 652
 M.B. 36, PG. 220
 LAND USE: UNUSED LAND
 ZONING: RB
 TRACT "H"

CAROL ANN L.L.C. ET. AL.
 R04914-005-018-000
 D.B. 2133, PG. 231
 M.B. 36, PG. 220
 LAND USE: BUSINESS
 ZONING: RB
 TRACT "L"

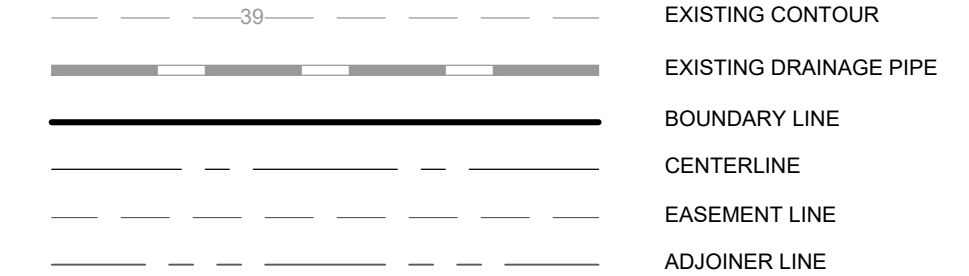
TJ&R INVESTMENTS
 R04914-005-020-000
 D.B. 5960, PG. 1218
 M.B. 36, PG. 220
 LAND USE: BUSINESS
 ZONING: RB
 TRACT "G"

LEASE AREA
 D.B. 5773, PG. 2746

CSX RAILROAD
 R/W VARIES (M.B. 36, PG. 220)

LEGEND:

- IRF IRON ROD FOUND
- IPF IRON PIPE FOUND
- CMF CONCRETE MONUMENT
- IRON ROD SET
- WATER METER
- ⊕ FIRE HYDRANT
- ⊗ SANITARY MANHOLE
- ⊗ TRANSFORMER
- ⊗ TELEPHONE RISER
- ⊗ TELEPHONE VAULT
- ⊗ FIBER MARKER
- ⊗ DRAINAGE MANHOLE
- ⊗ WATER VALVE
- ⊗ SIGN
- DROP INLET
- CLEAN OUT
- TREES
- LIGHT POLE
- EXISTING CONTOUR
- EXISTING DRAINAGE PIPE
- BOUNDARY LINE
- CENTERLINE
- EASEMENT LINE
- ADJOINER LINE



- NOTES
- AREA CALCULATED BY COORDINATE METHOD.
 - HORIZONTAL (NAD 83-2011) AND VERTICAL (NAVD 88) DATA WERE ESTABLISHED UTILIZING A TOPCON HIPER-V GPS RECEIVER OPERATING IN VRS MODE WITH REPEAT OBSERVATIONS.
 - THIS PARCEL IS LOCATED IN ZONE X - NOT A SPECIAL FLOOD HAZARD AREA - AS SHOWN ON FEMA FLOOD MAP NO. 3720313700K BEARING AN EFFECTIVE DATE OF 8/28/2018.
 - UTILITIES AS SHOWN ARE PLOTTED FROM INFORMATION VISIBLE IN THE FIELD AND FROM INFORMATION PROVIDED BY UTILITY COMPANIES. ADDITIONAL UTILITIES NOT SHOWN MAY EXIST. THE APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED PRIOR TO LAND DISTURBING ACTIVITIES.
 - THIS LOT IS SUBJECT TO ALL UTILITY EASEMENTS, RESTRICTIONS, OR COVENANTS OF RECORD.
 - CONTOUR INTERVAL = 1'.

LOT INFORMATION

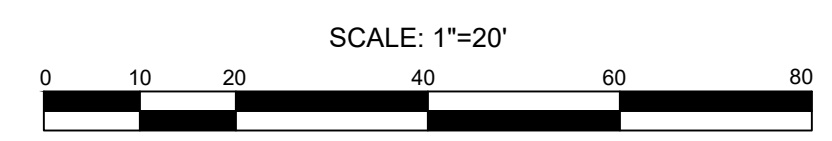
TRACT H

CURRENT OWNER: UPSIDE REAL ESTATE GROUP
 DEED BOOK 6458, PAGE 652
 PID: R04914-005-019-000
 ADDRESS: 126 CINEMA DRIVE
 ZONING: RB-REGIONAL BUSINESS (PER NEW HANOVER COUNTY GIS)
 TOTAL AREA = 43,850 ± SQ.FT. OR 1.01 ± ACRES

CAMA LAND USE CLASSIFICATION: URBAN
 SOIL TYPE: SEAGATE FINE SAND

Approved Construction Plan
 Date: 4/13/22
 # 2021060
 SWP #: 2022019
 PO, CW, ES, MB, BM

CURVE	RADIUS	ARC LENGTH	DELTA	CHORD LENGTH	CHORD BEARING
C1	1347.70'	154.12'	6°33'09"	154.04'	S 79°20'16" W
C2	1347.69'	85.67'	3°38'32"	85.66'	S 74°17'15" W



CERTIFICATE OF ACCURACY AND MAPPING

I, JOSHUA W. TAYLOR, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (DEED DESCRIPTIONS RECORDED IN THE REFERENCES NOTED ON THIS DRAWING); THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS DASHED LINES AS DRAWN FROM INFORMATION NOTED; THAT THE RATIO OF PRECISION IS 1:10,000; AND THAT THIS MAP MEETS THE REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA (21 NCAC 56.1600). THIS ____ DAY OF _____, A.D., _____.

I, JOSHUA W. TAYLOR, CERTIFY THAT 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.

JOSHUA W. TAYLOR, PLS LICENSE NO. L-5217

REVISIONS:

CLIENT INFORMATION:

KIDS BRAND DENTAL

PARAMOUNT ENGINEERING
 122 Cinema Drive
 Wilmington, North Carolina 28403
 (910) 791-6707 (O) (910) 791-6760 (F)
 NC License #: C-2846

EXISTING CONDITIONS SURVEY
 TRACT "H" M.B. 36, PG. 220
 126 CINEMA DRIVE
 CITY OF WILMINGTON
 NEW HANOVER COUNTY, NC

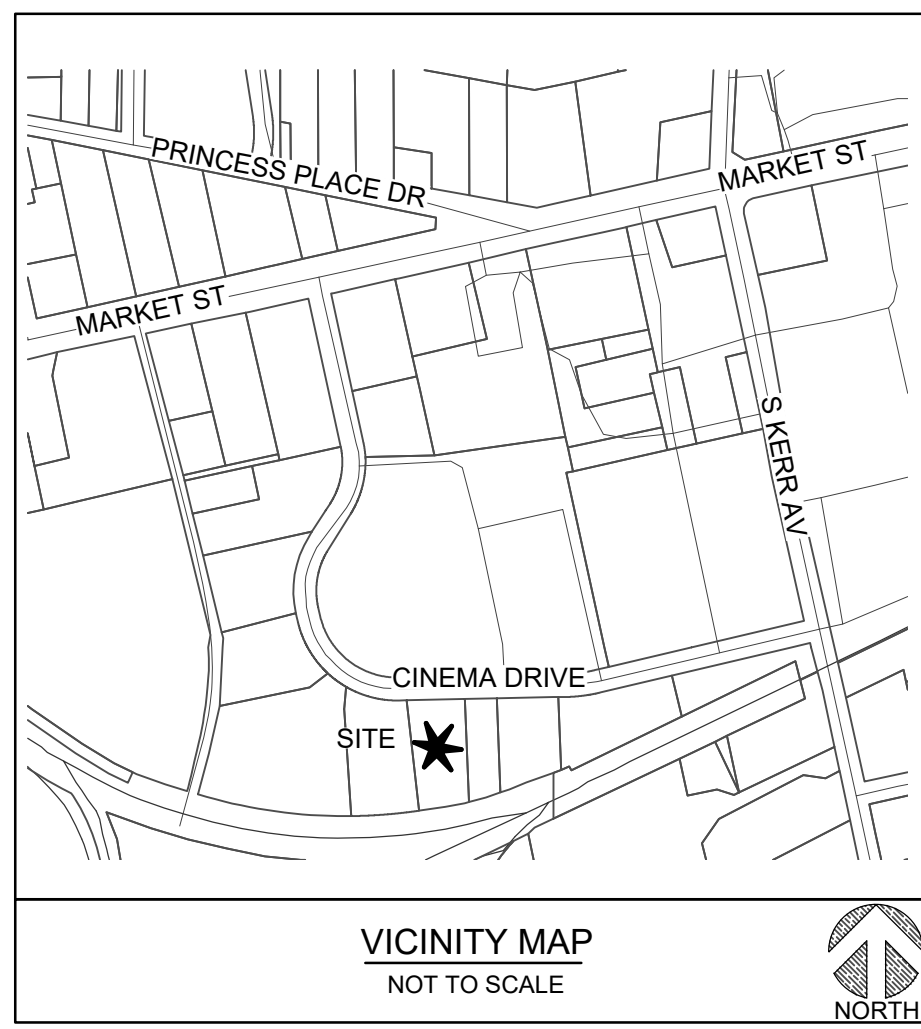
PROJECT STATUS
 CONCEPT LAYOUT: _____
 FINAL DESIGN LAYOUT: _____
 RELEASED FOR CONSTRUCTION: _____

DRAWING INFORMATION
 DATE: 8/21/22
 SCALE: 1"=20'
 DRAWN BY: _____
 CHECKED BY: _____

SEAL

SHEET 1 OF 1

PEI JOB#: 21434.PE



SITE INFORMATION
 PROJECT ADDRESS: 126 CINEMA DRIVE WILMINGTON, NC 28403

OWNER INFORMATION: HENRY HILL GROUP, LLC 5717 E. THOMAS ROAD, SUITE 100 SCOTTSDALE, AZ 85251

APPLICANT INFORMATION: KIDS DENTAL BRANDS 5717 E. THOMAS ROAD, SUITE 100 SCOTTSDALE, AZ 85251

TAX PARCEL IDENTIFICATION #: R04914-005-019-000
RECORDED DEED BOOK: DB 6458 PG 652

CURRENT ZONING: RB - REGIONAL BUSINESS

EXISTING USE: UNUSED LAND

PROPOSED USE: MEDICAL OFFICE

TOTAL SITE AREA: ± 1.01 AC (± 43,850 SF)

FLOOD INFORMATION: THIS PARCEL IS LOCATED IN FLOOD ZONE X, WHICH IS NOT A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY FEMA FLOOD PANEL 3137, MAP NUMBER 3720313700K, DATED AUGUST 28, 2018

CAMA LAND USE CLASSIFICATION: URBAN

SPECIAL HIGHWAY OVERLAY DISTRICT: THE SITE IS NOT LOCATED IN A SPECIAL HIGHWAY OVERLAY DISTRICT

PROPOSED BUILDING SIZE: ± 5,000 SF / SINGLE STORY
PROPOSED BUILDING HEIGHT: 35'
BUILDING LOT COVERAGE: ± 11.40%

BUILDING CONSTRUCTION TYPE: IIB or VB (TBD)

SOLID WASTE DISPOSAL: DUMPSTER / CITY REMOVAL

TOTAL DISTURBED AREA: ± 0.62 AC

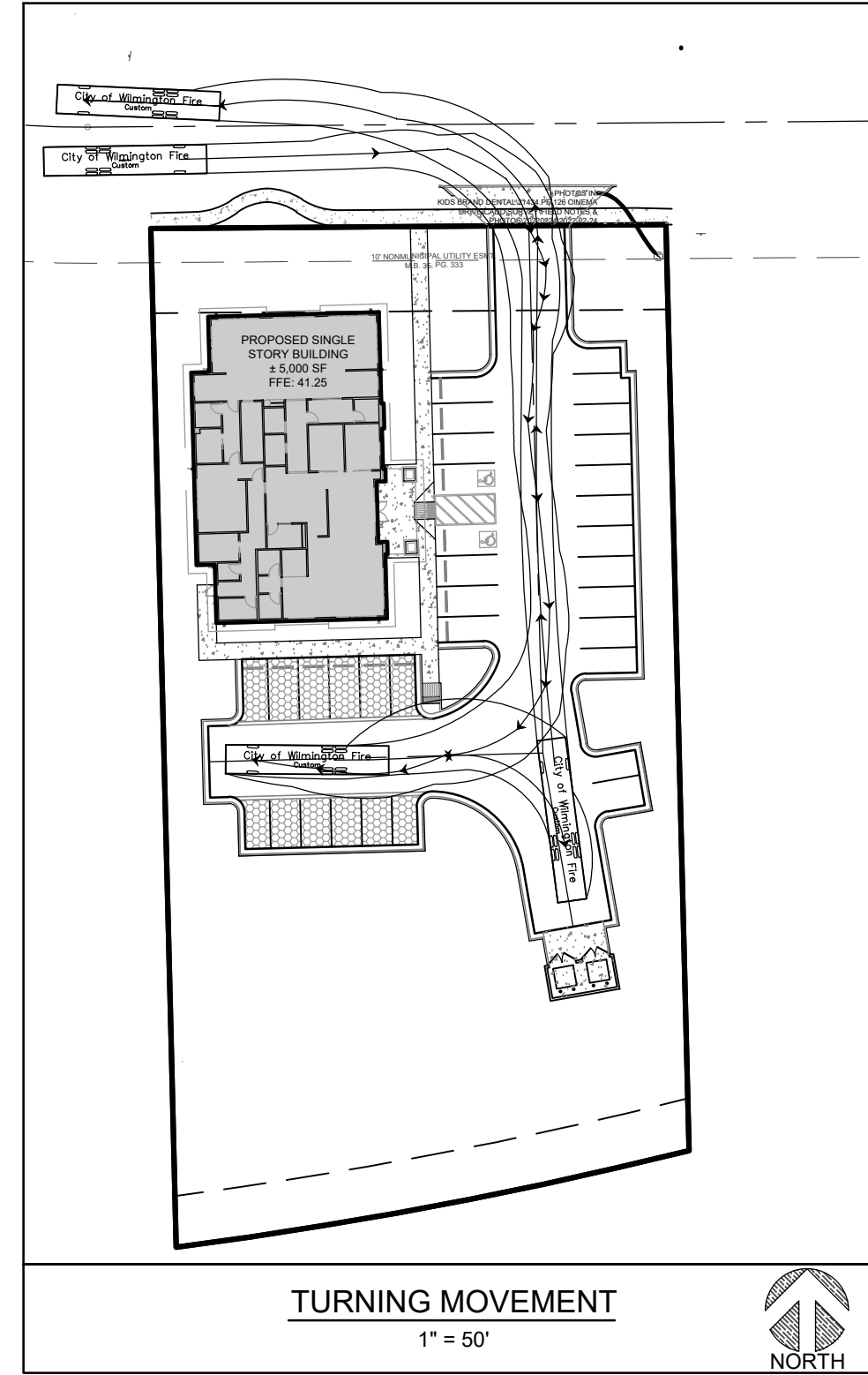
DIMENSIONAL REQUIREMENTS
 RB - REGIONAL BUSINESS
 - MINIMUM LOT AREA: 1 ACRE
 - MINIMUM LOT WIDTH: 100'
 - MAXIMUM LOT COVERAGE: 40%
 - MINIMUM FRONT SETBACK: 20'
 - MINIMUM REAR SETBACK: 15', 25' WHEN ABUTTING RESIDENTIAL USE
 - MINIMUM INTERIOR SIDE SETBACK: 0', 20' WHEN ABUTTING RESIDENTIAL USE
 - MINIMUM CORNER LOT SIDE SETBACK: 25'
 - MAXIMUM BUILDING HEIGHT: 35'

PROPOSED SETBACKS: SEE PLAN

PARKING REQUIREMENTS
MINIMUM PARKING REQUIRED: 18 SPACES
 1 SPACE / 250 SF

MAXIMUM PARKING ALLOWED: 27 SPACES
 1 SPACE / 170 SF

PROPOSED PARKING: 33 SPACES (25% ABOVE MAX.)
PROPOSED HANDICAPPED PARKING: 2 SPACES
PROPOSED BICYCLE PARKING: 5 SPACES



TRIP GENERATION

Land Use	ITE Code*	24 Hour Volumes	AM Peak Hour Trips		PM Peak Hour Trips		Saturday Peak Hour Trips	
			Enter	Exit	Enter	Exit	Enter	Exit
Medical Dental Office, ±5,000 SF, Proposed	720	163	8	2	4	11	0	0

HISTORICAL & ARCHAEOLOGY NOTES
 1. NO KNOWN HISTORIC OR ARCHAEOLOGICAL SITES EXIST ON THE SUBJECT PARCELS.

SOILS NOTES
 1. PARCEL LIES ON SEAGATE FINE SAND IMPERVIOUS INFORMATION
 EXISTING IMPERVIOUS AREA: NONE

PROPOSED BUILDING: ± 5,000 SF
PROPOSED CONCRETE SIDEWALK: ± 1,170 SF
PROPOSED ON-SITE PAVEMENT: ± 13,550 SF
TOTAL PROPOSED ON-SITE IMPERVIOUS AREA: ± 19,720 SF (44.97%)

PROPOSED OFF-SITE PAVEMENT: ± 445 SF
PROPOSED OFF-SITE SIDEWALKS: ± 800 SF
TOTAL PROPOSED OFF-SITE IMPERVIOUS AREA: ± 1,045 SF

FIRE & LIFE SAFETY NOTES:
 1. CONTRACTOR SHALL MAINTAIN AN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION
 2. LANDSCAPE OR PARKING CANNOT BLOCK OR IMPEDE FIRE HYDRANTS. A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF HYDRANTS
 3. ADDITIONAL FIRE PROTECTION AND/OR ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT
 4. CONTRACTOR SHALL SUBMIT A RADIO SIGNAL STRENGTH STUDY FOR ALL COMMERCIAL BUILDINGS THAT DEMONSTRATES THAT EXISTING EMERGENCY RESPONDER RADIO SIGNAL LEVELS MEET THE REQUIREMENTS OF SECTION 510 OF THE 2018 NC FIRE CODE

SITE LIGHTING:
 1. STREETLIGHT DESIGN, LOCATIONS, AND CALCULATIONS ARE IN PROGRESS. FINAL DESIGN TO BE DETERMINED.

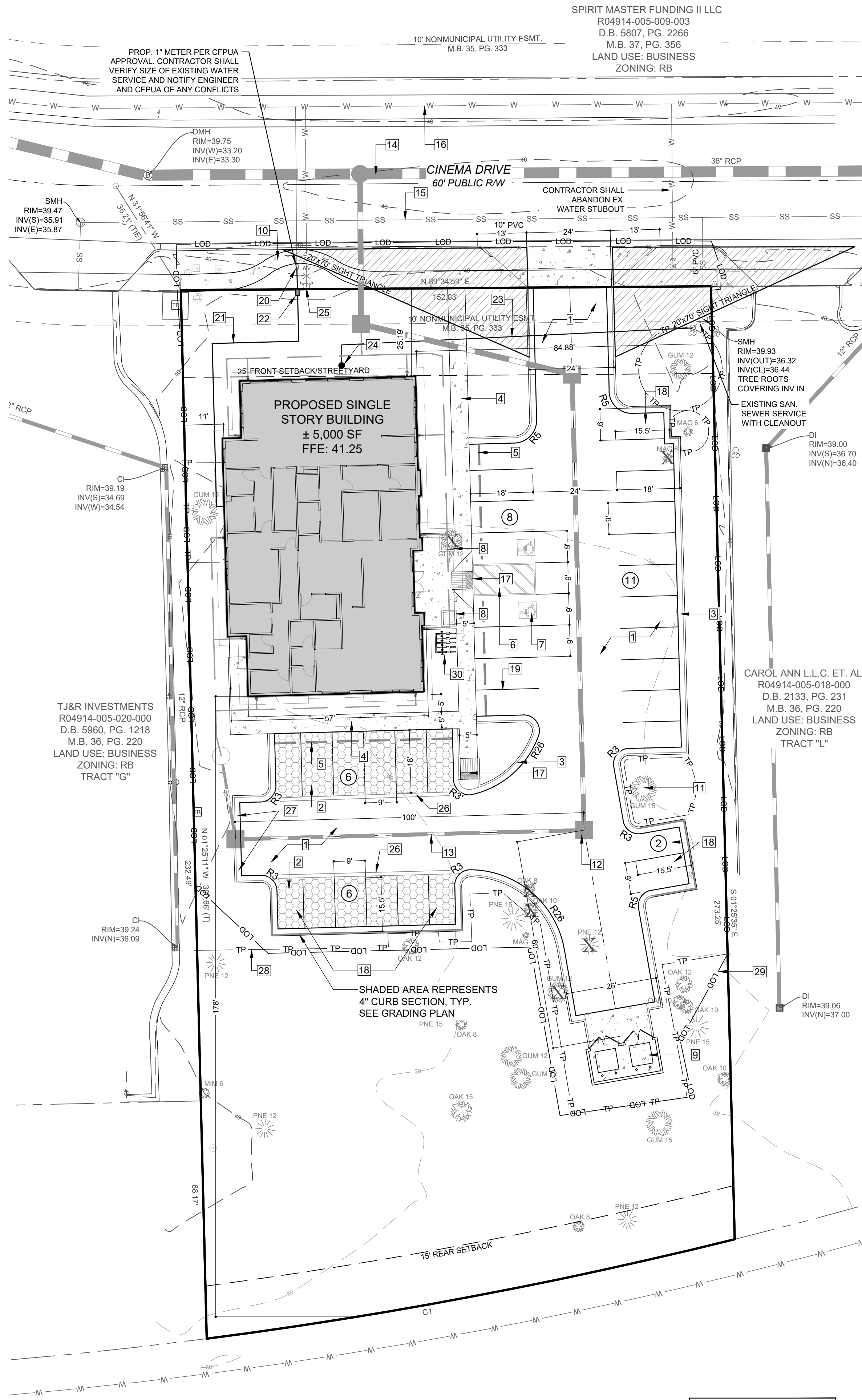
GENERAL NOTES:
 1. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
 2. ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS
 3. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT OF WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
 4. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE
 5. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET
 6. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
 7. A LANDSCAPE PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAT.
 8. CONTACT 811 PRIOR TO CONTACTING CITY OF WILMINGTON, TRAFFIC ENGINEERING REGARDING THE UTILITIES IN RIGHT OF WAY.
 9. THERE WILL BE NO SOLID WASTE DISPOSAL ON SITE
 10. CONTRACTOR SHALL MAINTAIN AN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION
 11. LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE THE FDC OR FIRE HYDRANTS. A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT AND FDC
 12. ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT
 13. CONTRACTOR SHALL SUBMIT A RADIO SIGNAL STRENGTH STUDY FOR ALL COMMERCIAL BUILDINGS THAT DEMONSTRATES THAT EXISTING EMERGENCY RESPONDER RADIO SIGNAL LEVELS MEET SECTION 510 REQUIREMENTS OF THE 2018 NC FIRE CODE
 14. NEW HYDRANTS MUST BE BROUGHT INTO SERVICE PRIOR TO COMBUSTIBLE MATERIALS DELIVERED TO THE JOB SITE

Approved Construction Plan
 Date: 4/13/22
 # 2021060
 SWP # 2022019
 PO, CW, ES, MB, BM

SIGHT DISTANCE TRIANGLES:
 IN ORDER TO MAINTAIN AN ACCEPTABLE AND SAFE LINE OF SIGHT FOR MOTOR VEHICLE DRIVERS, NO PARKING SPACES, FENCES, WALLS, POSTS, LIGHTS, SHRUBS, TREES OR OTHER TYPE OF OBSTRUCTIONS NOT SPECIFICALLY EXEMPTED SHALL BE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND ABOVE GROUND LEVEL AND TEN (10) FEET ABOVE GROUND LEVEL WITHIN THE TRIANGULAR SIGHT DISTANCE.

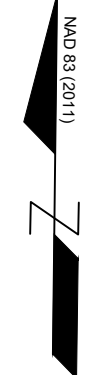
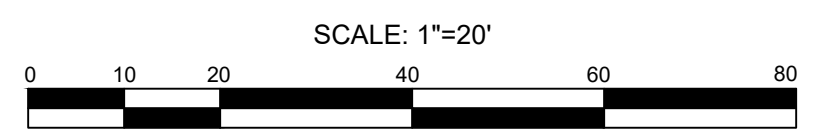
THE FOLLOWING SIGHT DISTANCE TRIANGLE IS SHOWN ON THE PLAN:

CITY OF WILMINGTON (SEC. 18-812)
 AT THE INTERSECTION OF A STREET WITH A DRIVEWAY DETERMINED BY MEASURING A DISTANCE OF TWENTY (20) FEET ALONG THE SIDE OF SAID DRIVEWAY AT THE PROPERTY LINE AND SEVENTY (70) FEET ALONG THE CURB LINE OF THE STREET



CURVE	RADIUS	ARC LENGTH	DELTA	CHORD LENGTH	CHORD BEARING
C1	1347.70'	154.12'	6°33'09"	154.04'	S 79°20'16" W
C2	1347.69'	85.67'	3°38'32"	85.66'	S 74°17'15" W

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.



ISSUED FOR CONSTRUCTION

REVISIONS:

CLIENT INFORMATION:

PARAMOUNT ENGINEERING

SITE AND UTILITY PLAN
 SMILE STRAIGHT ORTHODONTICS
 WILMINGTON
 NORTH CAROLINA

PROJECT STATUS:
 CONCEPTUAL LAYOUT:
 FINAL DESIGN:
 RELEASED FOR CONSTRUCTION:
 DRAWING INFORMATION:
 DATE: 04/13/22
 SCALE: 1" = 20' AUC
 DRAWING: JRC
 CHECKED: RRE

C-2.0

PEI JOB#: 21434.PE

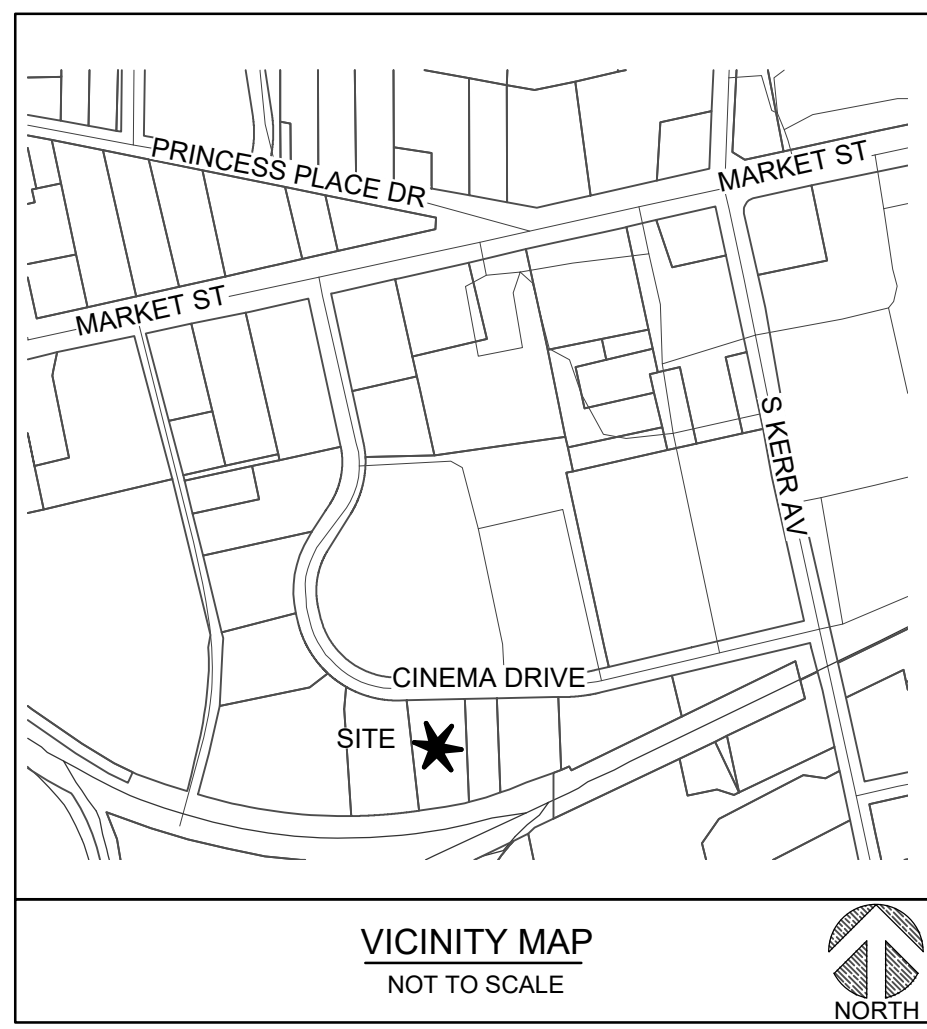
KIDS DENTAL BRANDS
 5717 E. THOMAS ROAD, SUITE 100
 SCOTTSDALE, AZ 85251

122 Cinema Drive
 North Carolina 28403
 (910) 791-6707 (O) (910) 791-6766 (F)
 NC License #: C-2846

REFERENCE NOTES SCHEDULE

- | SYMBOL | DESCRIPTION |
|--------|---|
| 1 | ASPHALT PAVING |
| 2 | PERVIOUS CONCRETE PAVING |
| 3 | 24" CONCRETE CURB AND GUTTER (REVERSE SLOPE) |
| 4 | CONCRETE SIDEWALK |
| 5 | CONCRETE WHEELSTOP |
| 6 | HANDICAP LOADING SPACE |
| 7 | HANDICAP PARKING SYMBOL |
| 8 | HANDICAP PARKING SIGN |
| 9 | TRASH DUMPSTER; SEE SHEET L-2.0 FOR SCREENING |
| 10 | PUBLIC CONCRETE SIDEWALK |
| 11 | EXISTING TREE TO REMAIN, TYP. |
| 12 | PROPOSED STORM DRAIN - SEE GRADING & DRAINAGE PLAN |
| 13 | PROPOSED STORM PIPE - SEE GRADING & DRAINAGE PLAN |
| 14 | EXISTING STORM PIPE |
| 15 | EXISTING SANITARY SEWER LINE |
| 16 | EXISTING WATER MAIN |
| 17 | ACCESSIBLE RAMP AND WARNING DOMES |
| 18 | 9' X 15.5' PARKING SPACE W/ 4" CURB |
| 19 | THERMOPLASTIC STRIPING |
| 20 | EX. WATER METER (CONTRACTOR TO FIELD VERIFY) |
| 21 | PROPOSED 2" WATER SERVICE [SEE PLUMBING PLANS FOR CONTINUATION] |
| 22 | PROPOSED RP2 BACKFLOW PREVENTION DEVICE |
| 23 | PROPOSED 6" SANITARY SEWER SERVICE AT 1/8" PER 1' MINIMUM SLOPE [SEE PLUMBING PLANS FOR CONTINUATION] |
| 24 | PROPOSED 6" SANITARY SEWER CLEANOUT, INV.=37.55 [SEE PLUMBING PLANS FOR CONTINUATION] |
| 25 | EXISTING FIRE HYDRANT |
| 26 | 12" HEADER CURB [SEE DETAIL] |
| 27 | 24" CONCRETE CURB AND GUTTER |
| 28 | TREE PROTECTION FENCING |
| 29 | LIMITS OF DISTURBANCE |
| 30 | BICYCLE PARKING |

04/13/2022



- NOTES:**
- 1) ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND NEW HANOVER COUNTY STANDARDS AND SPECIFICATIONS.
 - 2) A GEOTECHNICAL ENGINEER SHALL BE CONSULTED TO CONFIRM SUITABILITY OF SUBGRADE MATERIAL AND PROPER COMPACTION IN FILL AREAS.
 - 3) SEE SHEET C-0.1 GENERAL NOTES FOR FURTHER INFORMATION.

- NOTATION:**
- | | |
|-----------------------------|--|
| TC = TOP OF CURB ELEVATION | BC = BOTTOM OF CURB (GUTTER) ELEVATION |
| DI = DROP INLET | PG = PROPOSED GRADE |
| HP = HIGH POINT ELEVATION | LP = LOW POINT ELEVATION |
| SW = SIDEWALK ELEVATION | MH = STORM MANHOLE |
| YD = YARD DRAIN | FFE = FINISH FLOOR ELEVATION |
| RD = ROOF DRAIN CONNECTION* | PAD = DUMPSTER PAD ELEVATION |
- *PROVIDE IN-LINE CLEANOUT AND CONNECTION TO DOWNSPOUT - SEE ARCHITECTURAL & PLUMBING PLANS FOR DOWNSPOUT CONNECTIONS.

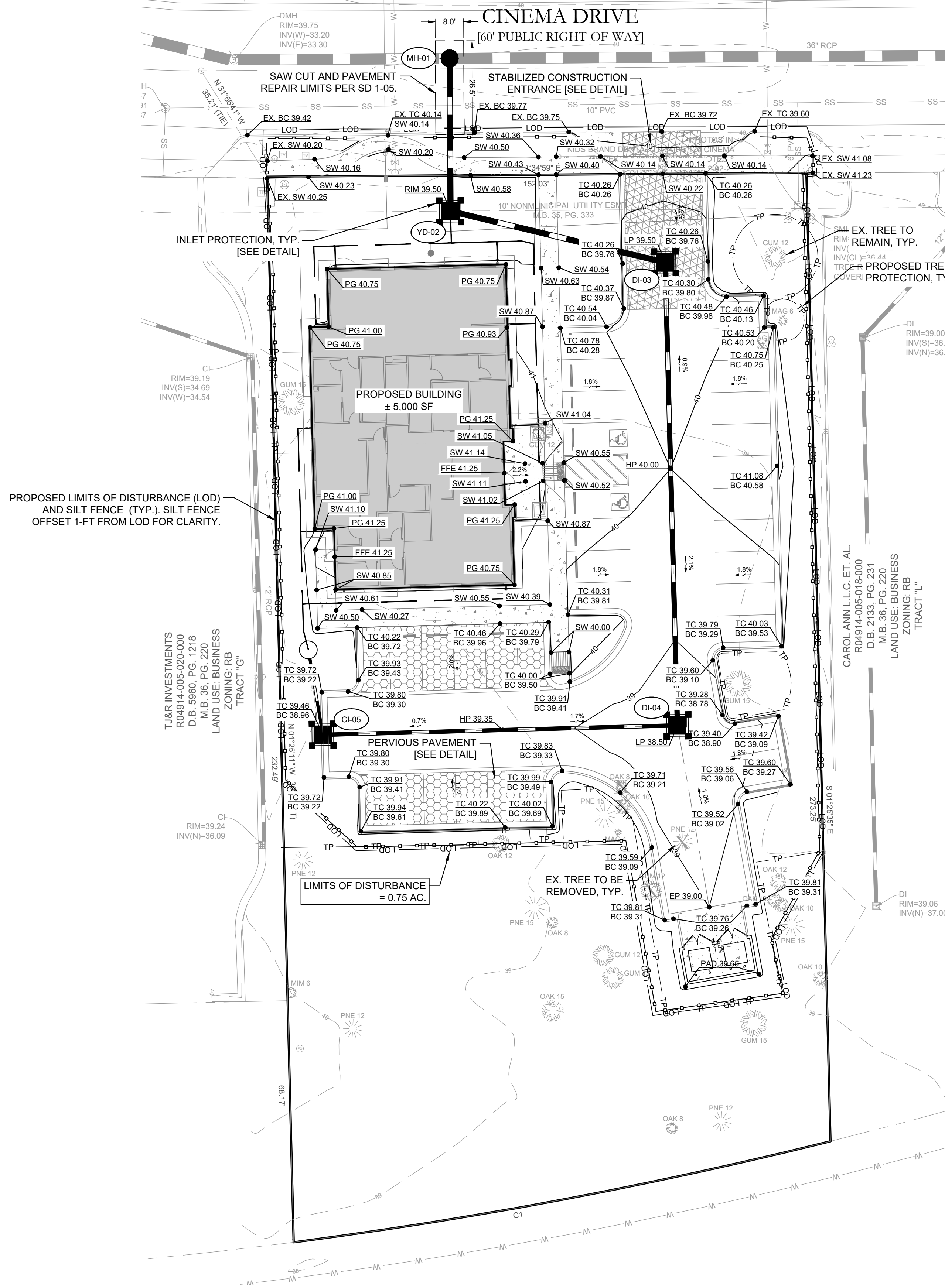
- ASPHALT AREA NOTE:**
- 1) SITE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL AND PROVIDE CUT/FILL OPERATIONS TO PROVIDE A COMPACTED CONTROLLED SUBGRADE, IN ACCORDANCE WITH THE SUBSURFACE GEOTECHNICAL EXPLORATION AND TECHNICAL SPECIFICATIONS.

- BUILDING PAD NOTE:**
- 1) SITE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL AND PROVIDE CUT/FILL OPERATIONS TO PROVIDE A COMPACTED CONTROLLED BUILDING PAD, IN ACCORDANCE WITH THE SUBSURFACE GEOTECHNICAL EXPLORATION AND TECHNICAL SPECIFICATIONS.

- DRAINAGE NOTES:**
- 1) STORMWATER SYSTEM MAINTENANCE IS THE RESPONSIBILITY OF THE DEVELOPER, INCLUDING PIPES AND DRAINAGE STRUCTURES.
 - 2) ALL ON-SITE IMPERVIOUS MUST DRAIN TO THE DESIGNED STORMWATER SYSTEM, PER THE APPROVED PLANS.
 - 3) ALL STORM DRAINAGE STRUCTURES SHALL MEET NCDOT STANDARDS AND SPECIFICATIONS AND SHALL BE TRAFFIC RATED FOR H-20 LOADS AT A MINIMUM.
 - 4) ALL CATCH BASIN (CB) RIM ELEVATIONS ARE LISTED AS THE "GUTTER OF FLOWLINE ELEVATION" WITHIN THE CURB SECTION. THE CONTRACTOR SHALL MAINTAIN A UNIFORM EDGE OF PAVEMENT (EOP) WHEN PLACING THE STORM INLETS WITHIN THE CURB-LINE (SEE "CURB TRANSITION" DETAIL).
 - 5) MANHOLE RIM ELEVATIONS SHOWN ARE FLUSH WITH PROPOSED GRADE. CONTRACTOR SHALL PROVIDE 6" CLEARANCE ABOVE PROPOSED GRADE WHEN PLACED IN A GRASS/PERVIOUS AREA, AND A FLUSH CONDITION WITH PROPOSED PAVEMENT OR IMPERVIOUS COVER.
 - 6) PROPOSED BUILDINGS SHALL DIVERT ROOF DRAINAGE TO STORMWATER COLLECTION SYSTEM.
 - 7) CONTRACTOR SHALL ADJUST ALL FRAMES OF EX. UTILITY INFRASTRUCTURE WITHIN ASPHALT OVERLAY AREAS TO MATCH PROPOSED GRADES.
 - 8) THE CONTRACTOR SHALL USE EITHER RCP (CL. III) OR HDPE PIPE FOR THE STORM DRAINAGE SYSTEM. IF THE CONTRACTOR CHOOSES TO USE HDPE PIPE, IT SHALL BE ADS N-12 WT STORM PIPE OR APPROVED EQUAL AND SHALL BE INSTALLED TO MANUFACTURER SPECIFICATIONS.

STORM SCHEDULE:

Upstream Node	Downstream Node	Diameter (In)	Upstream Invert	Downstream Invert	Pipe Length (ft)	Slope (%)	Upstream Rim Elev	Downstream Rim Elev
YD-02	MH-01	18.00	33.58	33.47	43	0.25	39.50	40.00
DI-03	YD-02	18.00	33.74	33.58	62	0.25	39.50	39.50
DI-04	DI-03	15.00	34.07	33.74	131	0.25	38.50	39.50
CI-05	DI-04	12.00	34.32	34.07	100	0.25	38.96	38.50



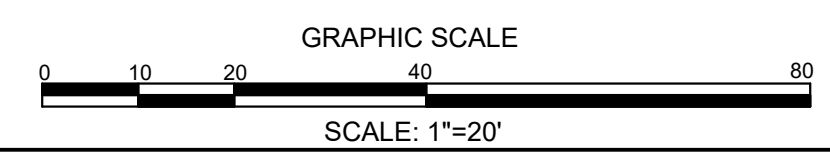
LEGEND:

- - - 16 - - - EXISTING CONTOUR
- - - 29 - - - PROPOSED CONTOUR
- LOD --- LIMITS OF DISTURBANCE
- DI-03 ○ SILT FENCE
- DI-03 ○ DRAINAGE STRUCTURE LABEL
- PROPOSED STORM PIPE
- PROPOSED STORM STRUCTURE
- PG 39.95 SLOPE LABEL
- 1.0% ELEVATION LABEL

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

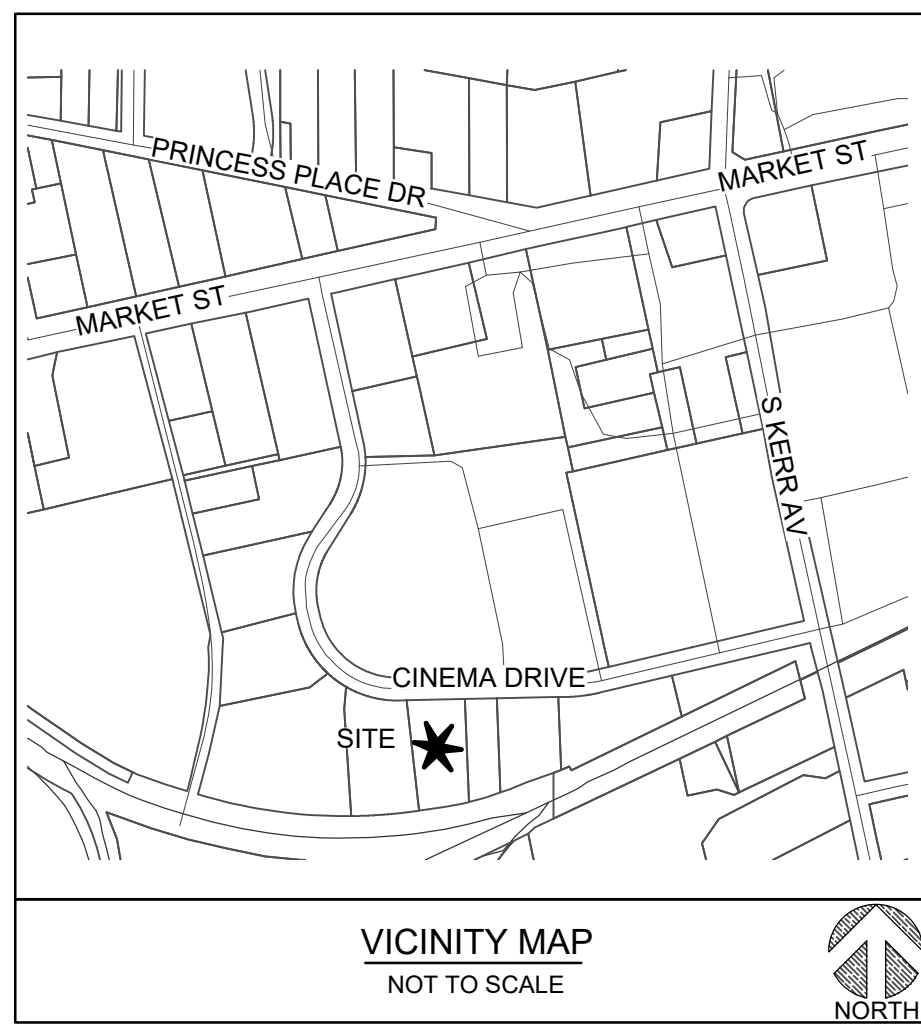
Approved Construction Plan
Date: 4/13/22
2021060
SWP #: 2022019
PO, CW, ES, MB, BM

WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
 Date: _____ Permit # _____
 Signed: _____



ISSUED FOR CONSTRUCTION

<p>REVISIONS:</p>	<p>CLIENT INFORMATION:</p> <p>KIDS DENTAL BRANDS 5717 E. THOMAS ROAD, SUITE 100 SCOTTSDALE, AZ 85251</p> <p>PARAMOUNT ENGINEERING 122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6766 (F) NC License #: C-2846</p>
<p>GRADING-DRAINAGE-EC PLAN</p>	<p>SMILE STRAIGHT ORTHODONTICS WILMINGTON NORTH CAROLINA</p>
<p>PROJECT STATUS: CONCEPTUAL LAYOUT: FINAL DESIGN LAYOUT: RELEASED FOR CONSTRUCTION:</p>	<p>DRAWING INFORMATION: DATE: 04/13/22 SCALE: 1"=20' DRAWN BY: ASB CHECKED: RBE</p>
<p>C-3.0</p>	<p>PEI JOB#: 21434.PE</p>

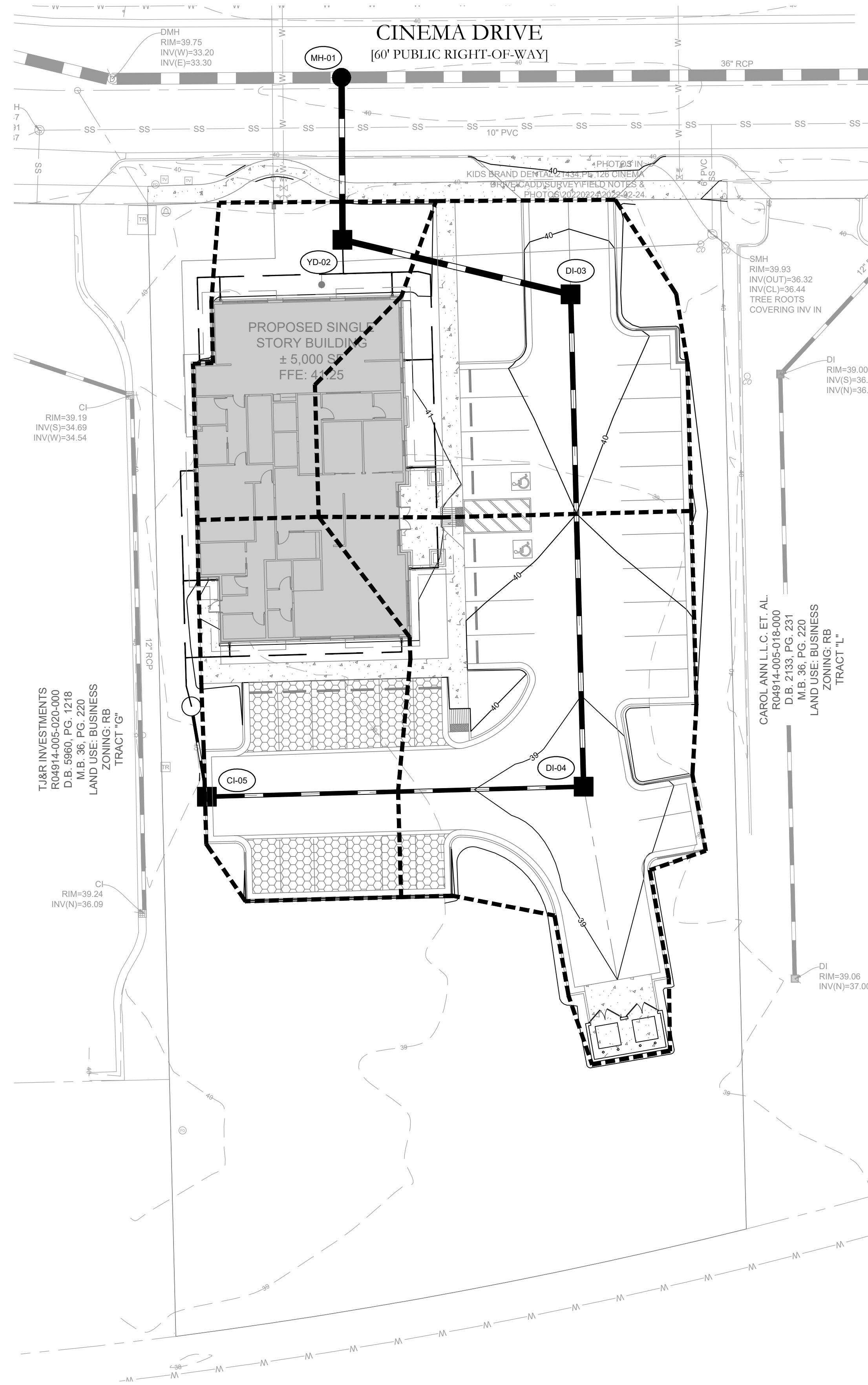


INLET DA TABLE:

SMILE STRAIGHT ORTHODONTICS

Drainage Areas

UPSTREAM STRUCTURE	SUB DA (AC)	RUNOFF COEF.
YD-02	0.08	0.58
DI-03	0.16	0.78
DI-04	0.22	0.85
CI-05	0.11	0.83



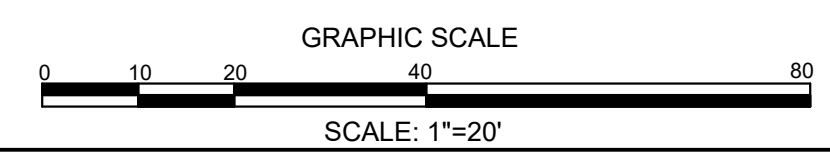
LEGEND:

--- 16 ---	EXISTING CONTOUR
--- 29 ---	PROPOSED CONTOUR
---	LIMITS OF DISTURBANCE
---	LOD
○ ○ ○ ○	SILT FENCE
○ DI-03 ○	DRAINAGE STRUCTURE LABEL
---	PROPOSED STORM PIPE
■	PROPOSED STORM STRUCTURE
---	INLET DRAINAGE DIVIDE

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

Approved Construction Plan
Date: 4/13/22
2021060
SWP #: 20221069
PO, CW, ES, MB, BM

WILMINGTON NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit # _____
Signed: _____



REVISIONS:

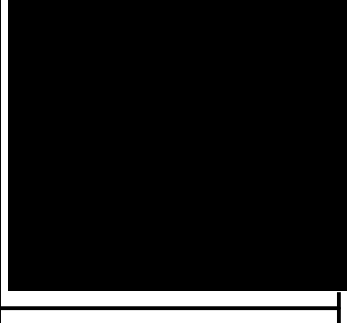
CLIENT INFORMATION:
KIDS DENTAL BRANDS
5717 E. THOMAS ROAD, SUITE 100
SCOTTSDALE, AZ 85251

PARAMOUNTE ENGINEERING
122 Cinema Drive
Wilmington, North Carolina 28403
(910) 791-6707 (O) (910) 791-6766 (F)
NC License #: C-2846

INLET DRAINAGE AREAS
SMILE STRAIGHT ORTHODONTICS
WILMINGTON
NORTH CAROLINA

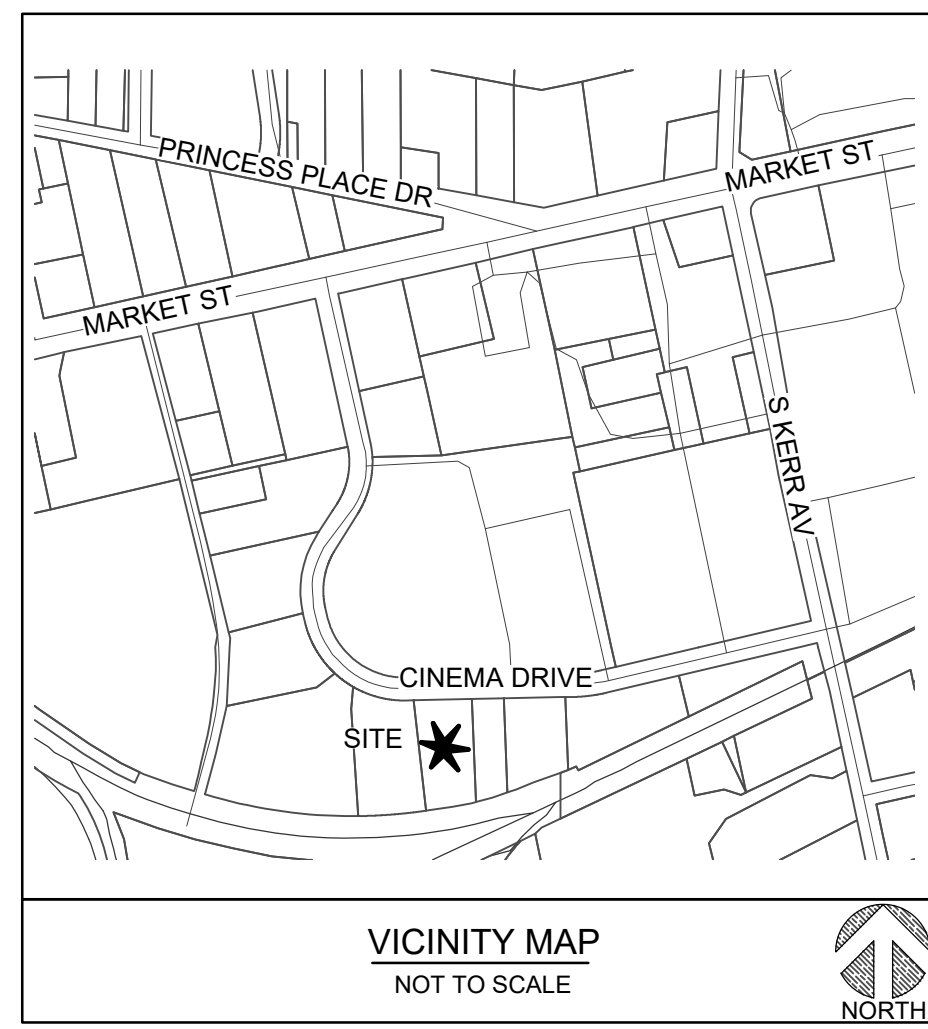
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CONCEPTUAL LAYOUT:
FINAL DESIGN LAYOUT:
RELEASED FOR CONSTRUCTION:

DRAWING INFORMATION:
DATE: 04/13/22
SCALE: 1"=20'
DRAWN BY: ASR
CHECKED: RPE



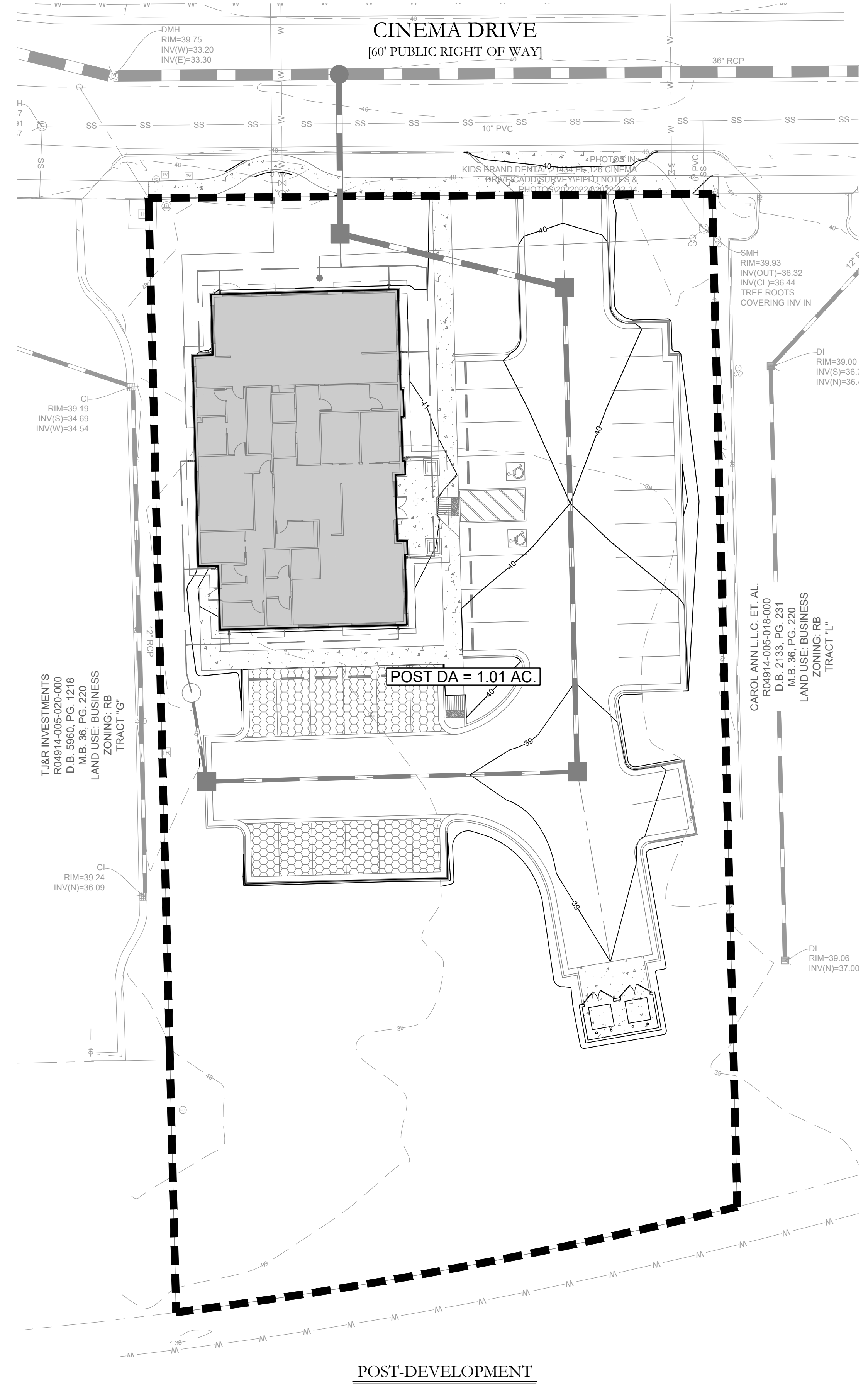
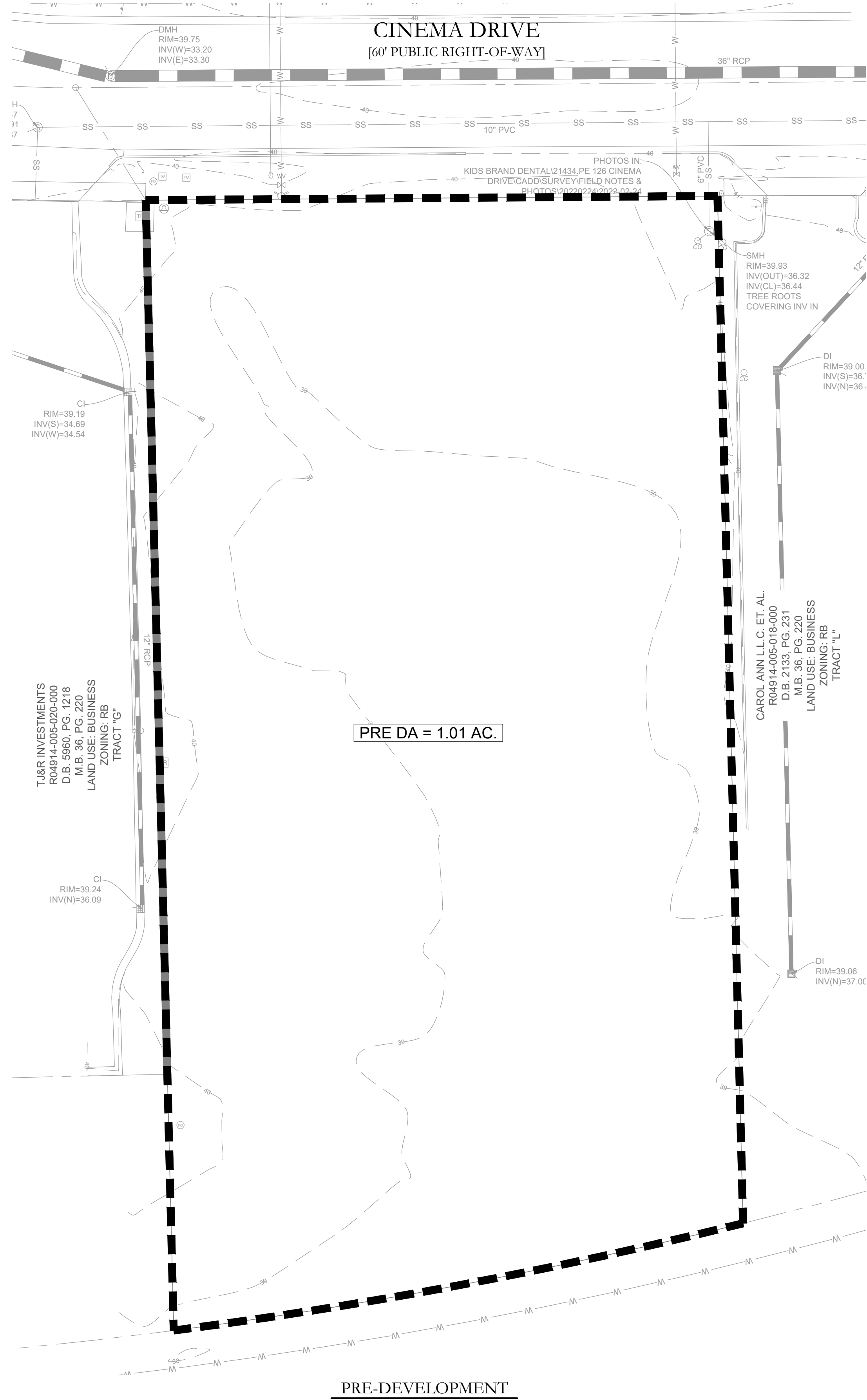
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PEI JOB#: 21434.PE

ISSUED FOR CONSTRUCTION



LEGEND:

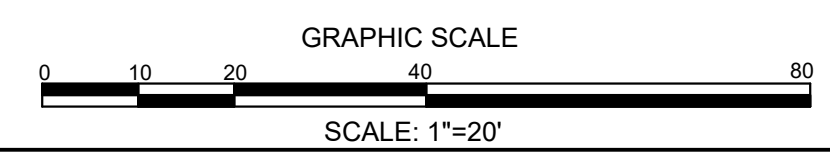
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING DRAINAGE DIVIDE
	PROPOSED DRAINAGE DIVIDE
	PROPOSED STORM PIPE
	PROPOSED STORM STRUCTURE



For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

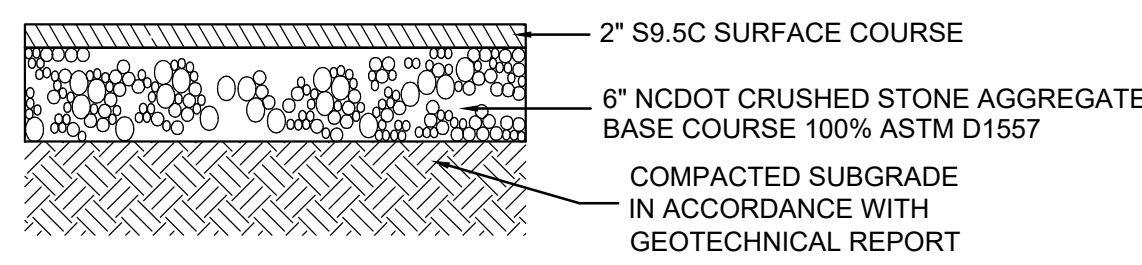
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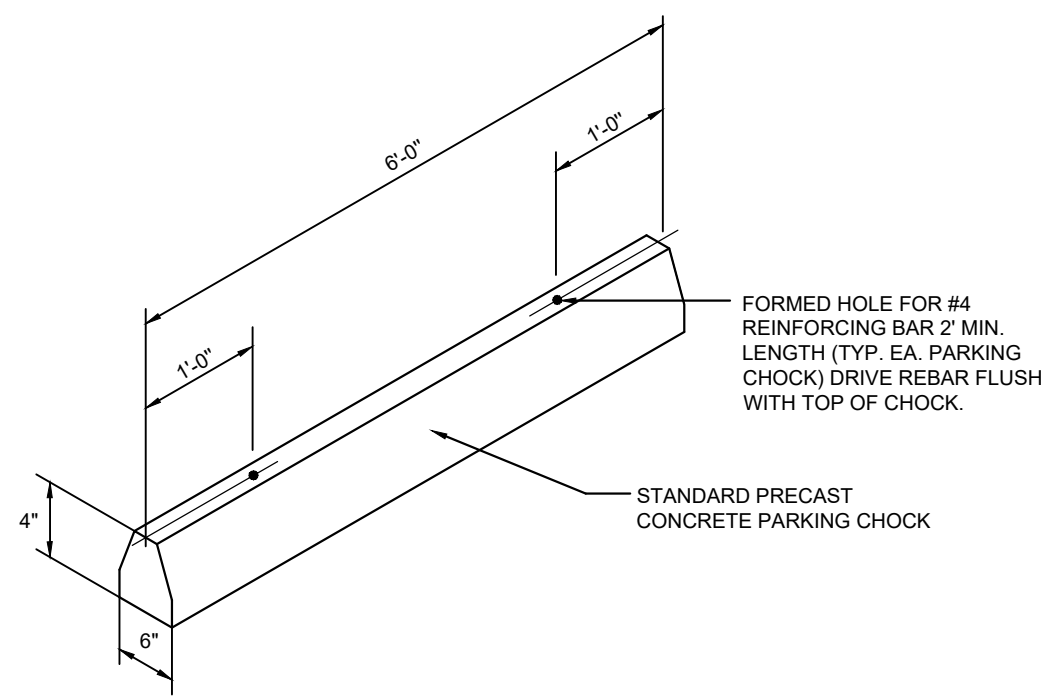


ISSUED FOR CONSTRUCTION

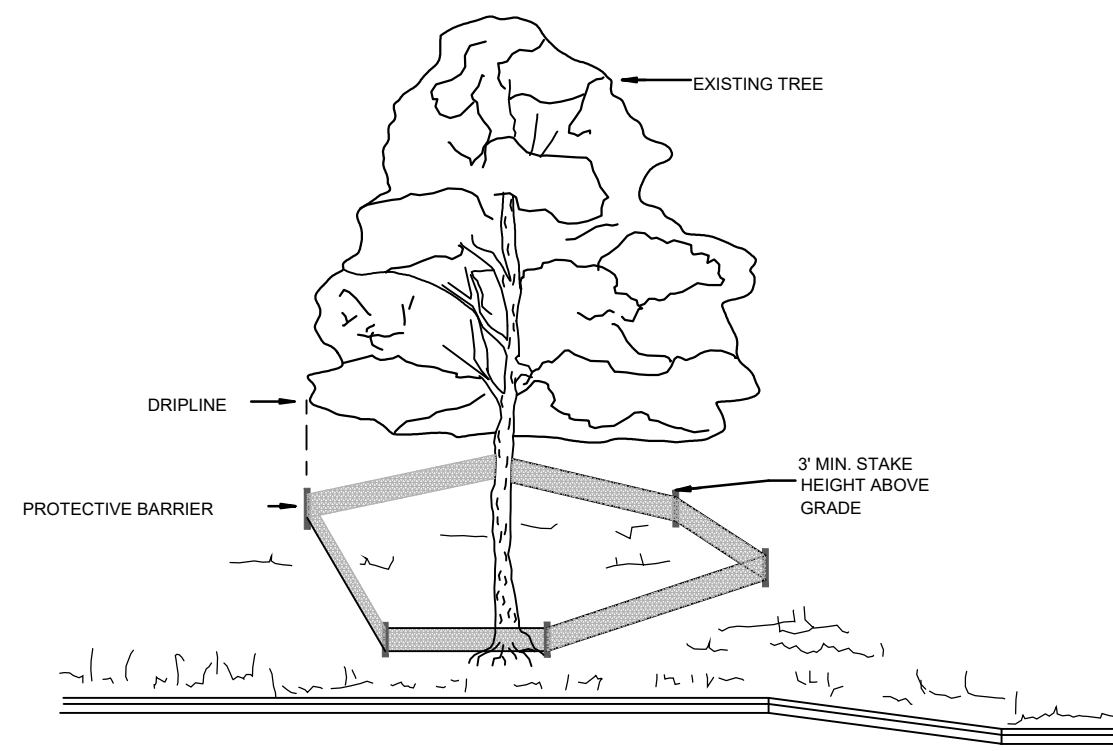
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DRAWING INFORMATION: DATE: 04/13/22 SCALE: 1" = 20' DRAWN BY: ASR CHECKED: RRE	CLIENT INFORMATION: KIDS DENTAL BRANDS 5717 E. THOMAS ROAD, SUITE 100 SCOTTSDALE, AZ 85251
PARAMOUNTE ENGINEERING INC. 122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6766 (F) NC License #: C-2846	DRAINAGE AREA MAPS SMILE STRAIGHT ORTHODONTICS WILMINGTON NORTH CAROLINA
C-3.3	PEI JOB#: 21434.PE



LIGHT DUTY ASPHALT PAVING SECTION
NOT TO SCALE

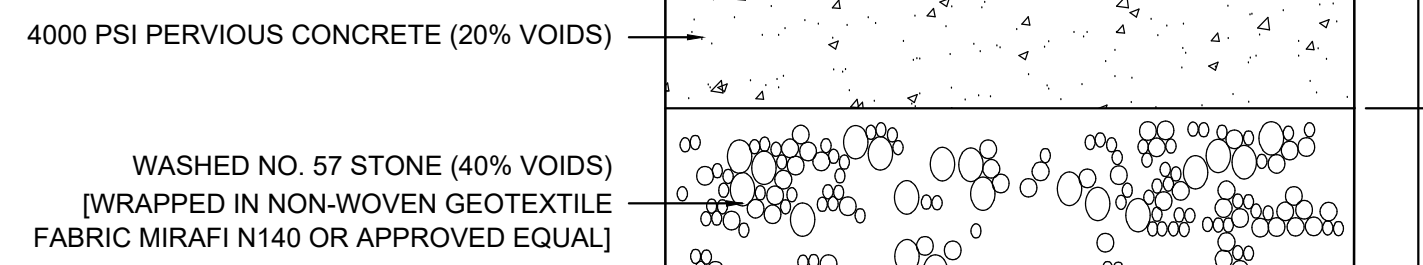


WHEEL STOP
NOT TO SCALE

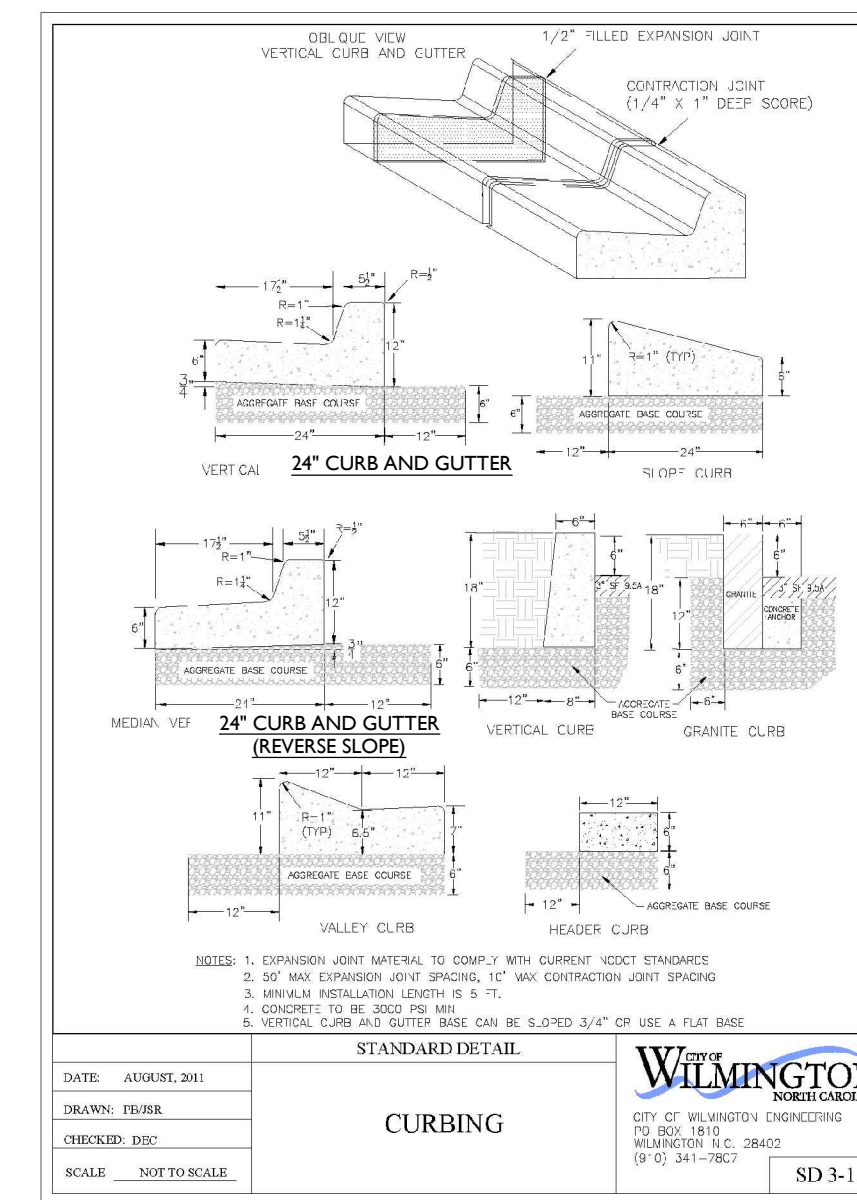


METHOD OF TREE PROTECTION DURING CONSTRUCTION
NOT TO SCALE

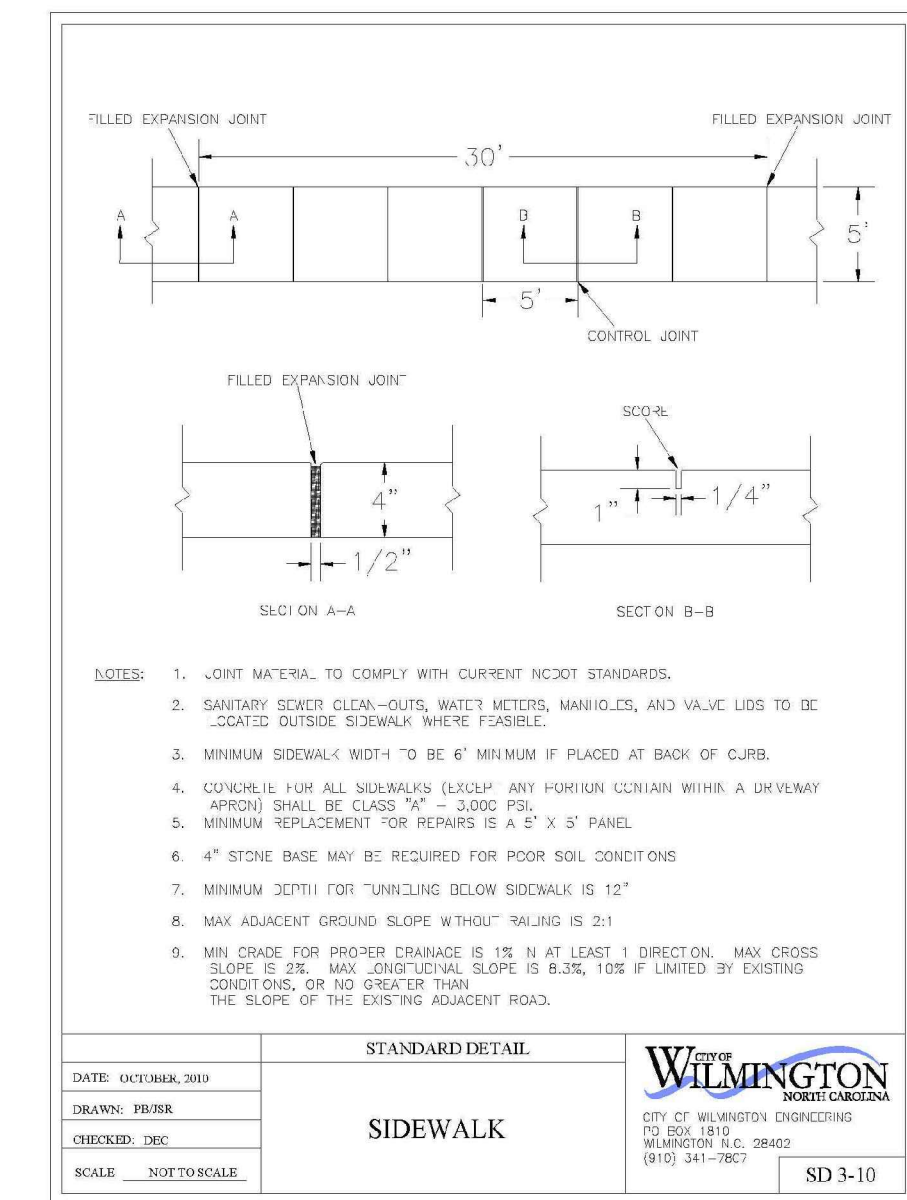
NOTE:
TREES TO BE SAVED WILL BE CLEARLY MARKED PRIOR TO CONSTRUCTION AND A PROTECTIVE BARRIER IS TO BE INSTALLED AT THE DRIP LINE. DRIP LINE - THE AREA OF SOIL DIRECTLY BENEATH THE TREE EXTENDING OUT TO THE TIPS OF THE OUTERMOST BRANCHES.



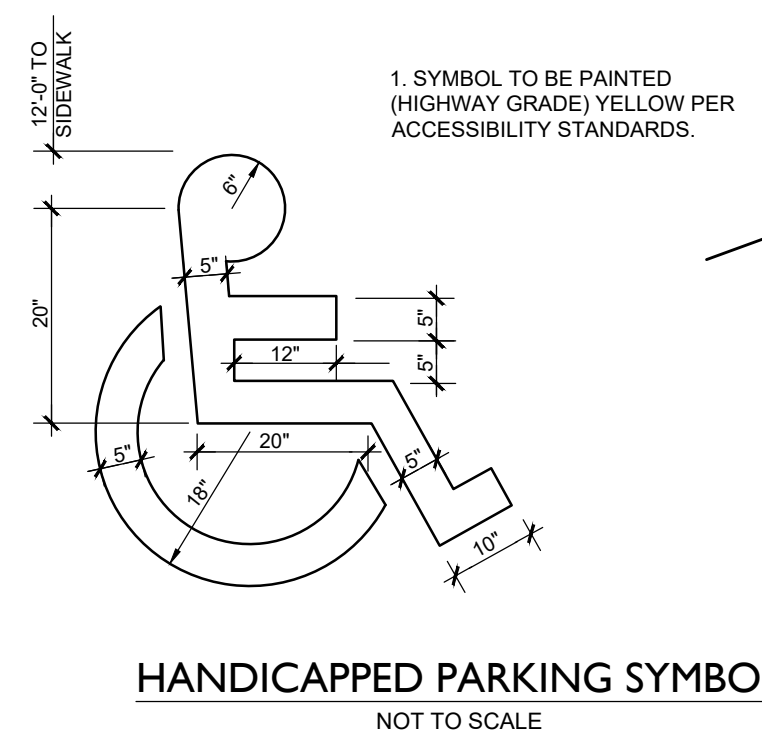
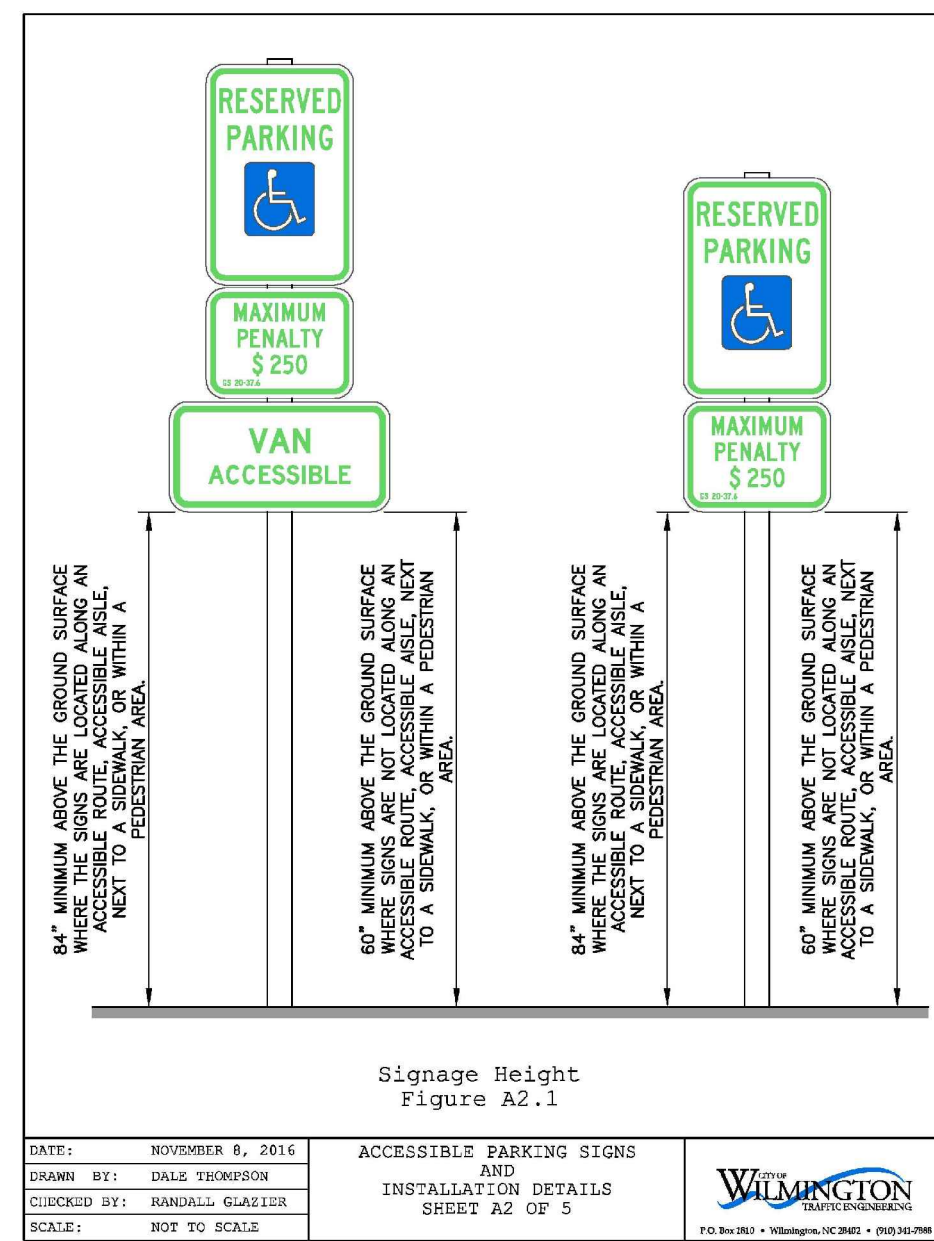
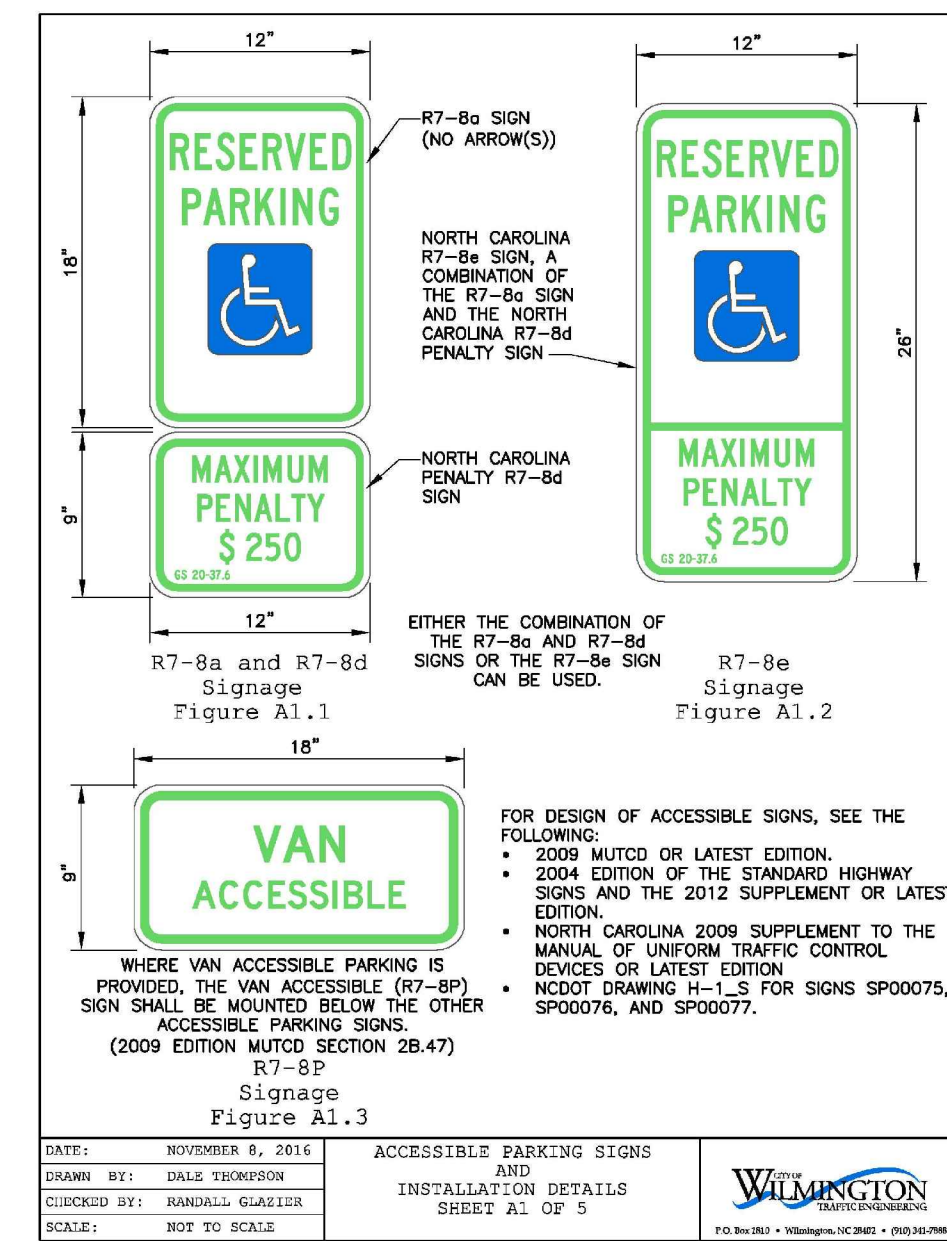
PERVIOUS PAVEMENT SECTION
NOT TO SCALE



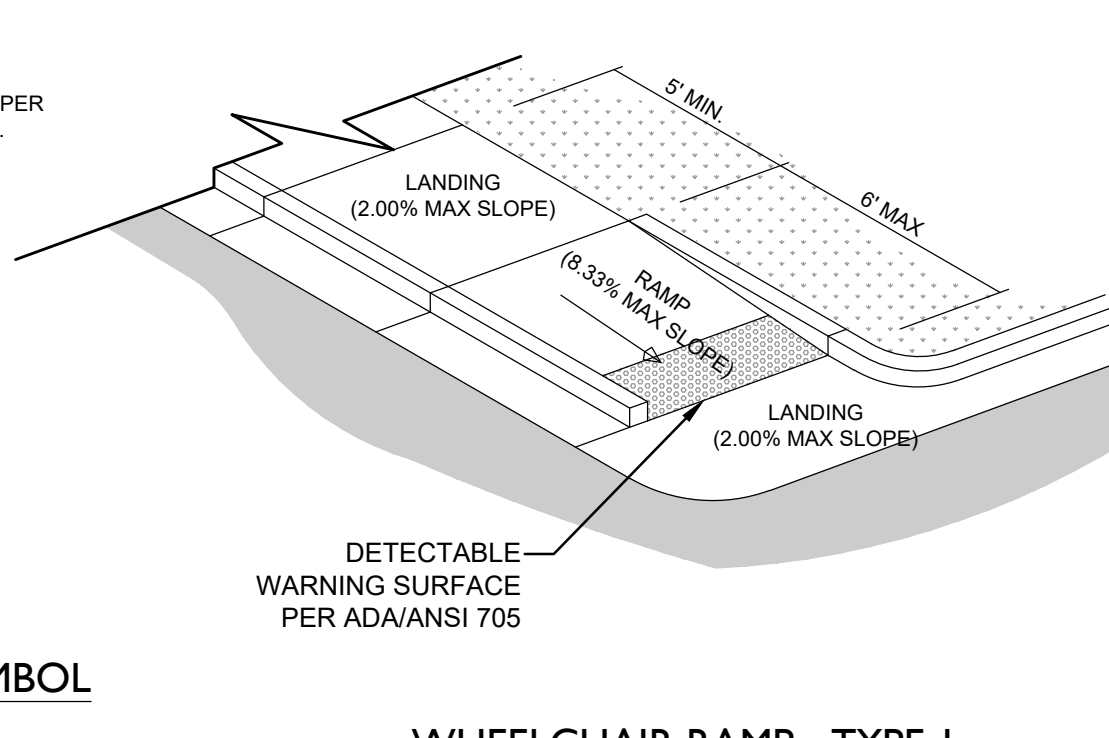
STANDARD DETAIL
CURBING
WILMINGTON ENGINEERING
CITY OF WILMINGTON ENGINEERING
100 S. 1ST ST.
WILMINGTON, NC 28403
919.341.7862
SD 3-11



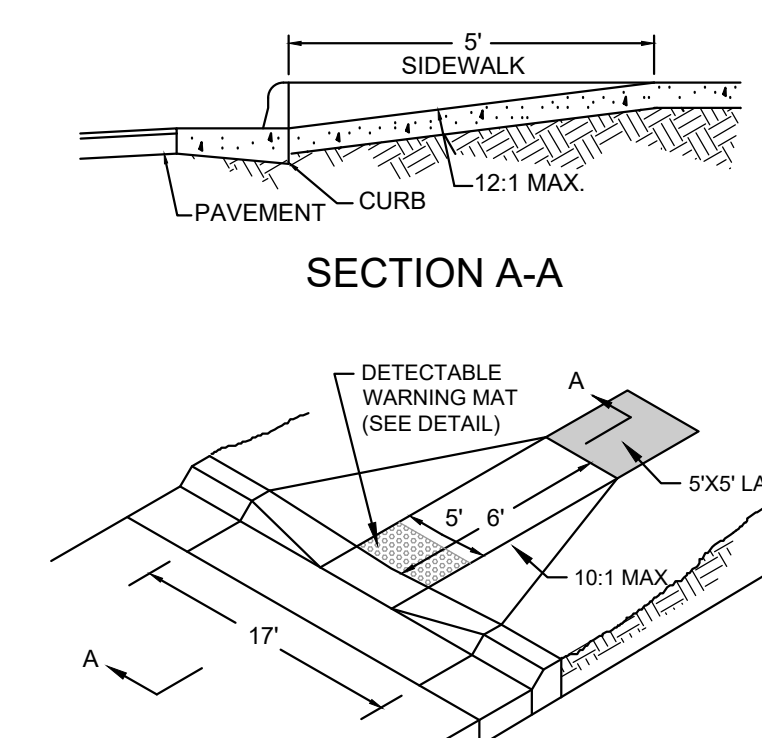
STANDARD DETAIL
SIDEWALK
WILMINGTON ENGINEERING
CITY OF WILMINGTON ENGINEERING
100 S. 1ST ST.
WILMINGTON, NC 28403
919.341.7862
SD 3-10



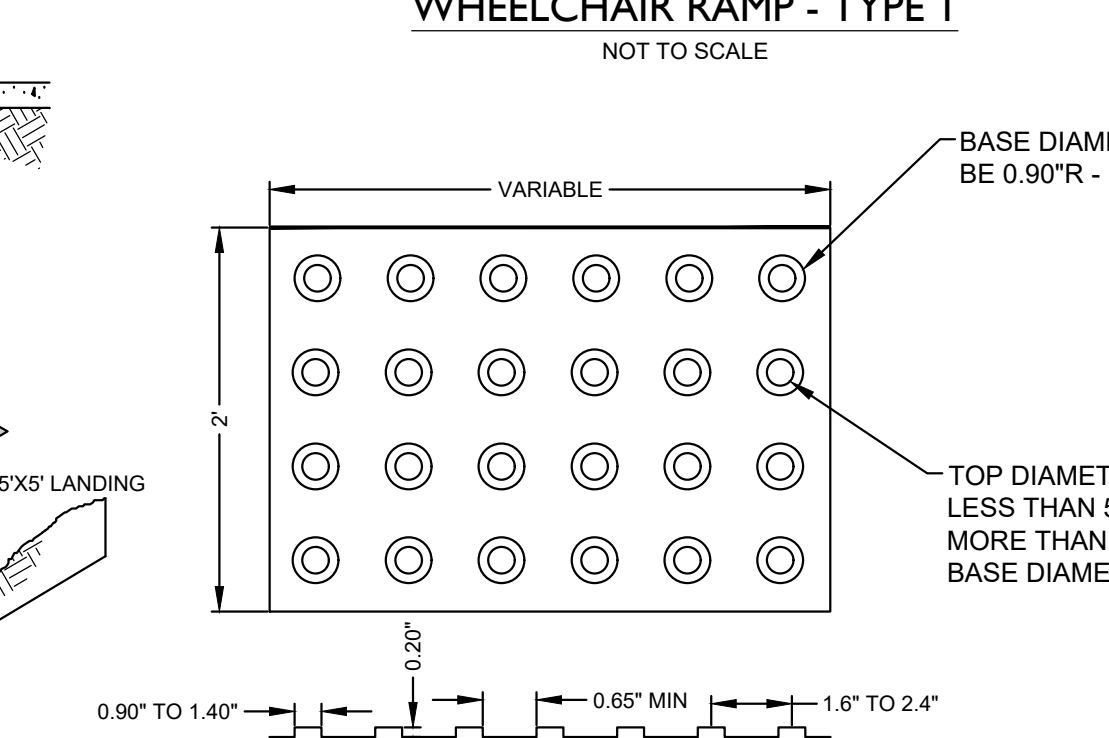
HANDICAPPED PARKING SYMBOL
NOT TO SCALE



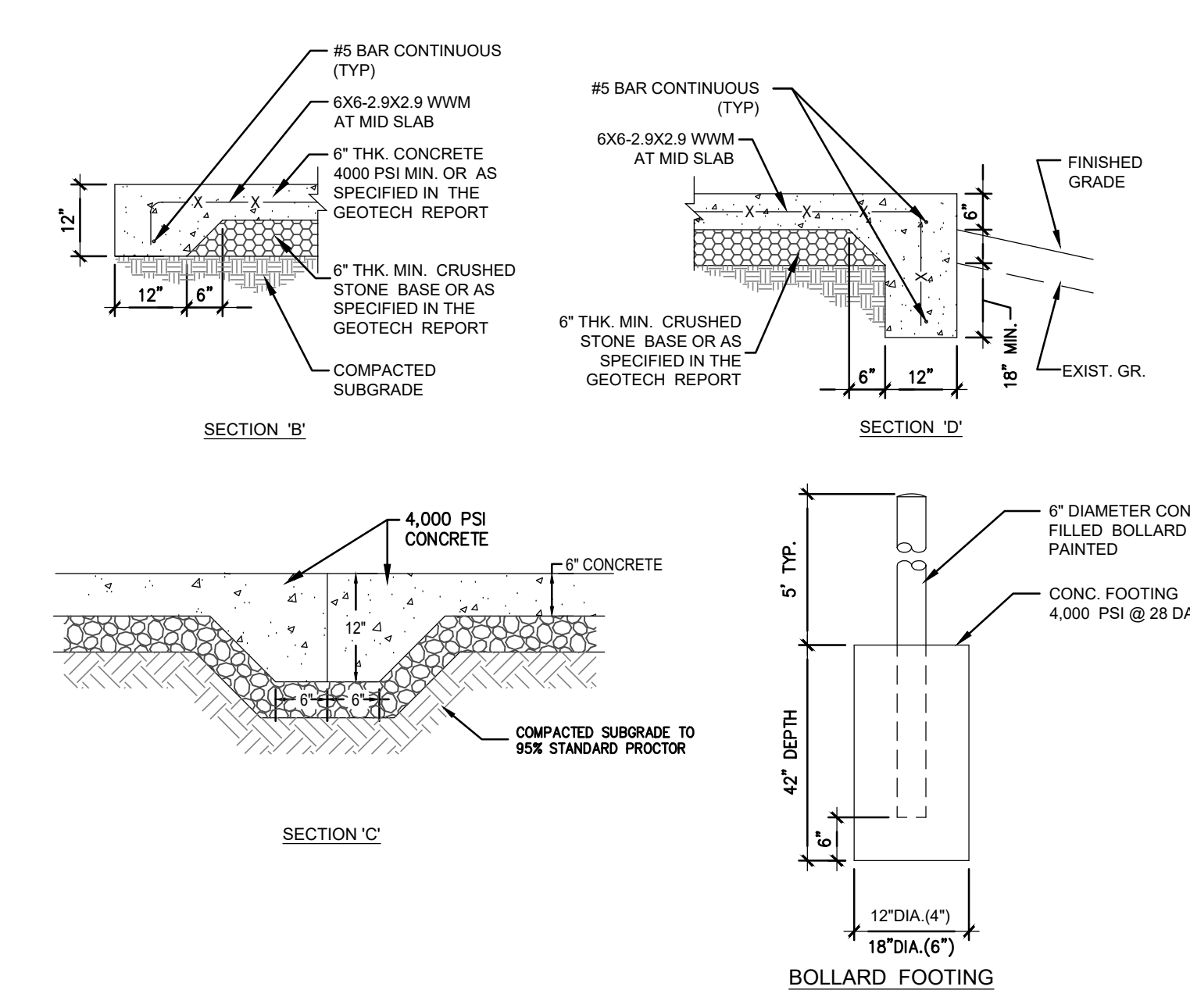
WHEELCHAIR RAMP - TYPE I
NOT TO SCALE



TYPE 2 - WHEELCHAIR RAMP (DROP CURB)
NOT TO SCALE

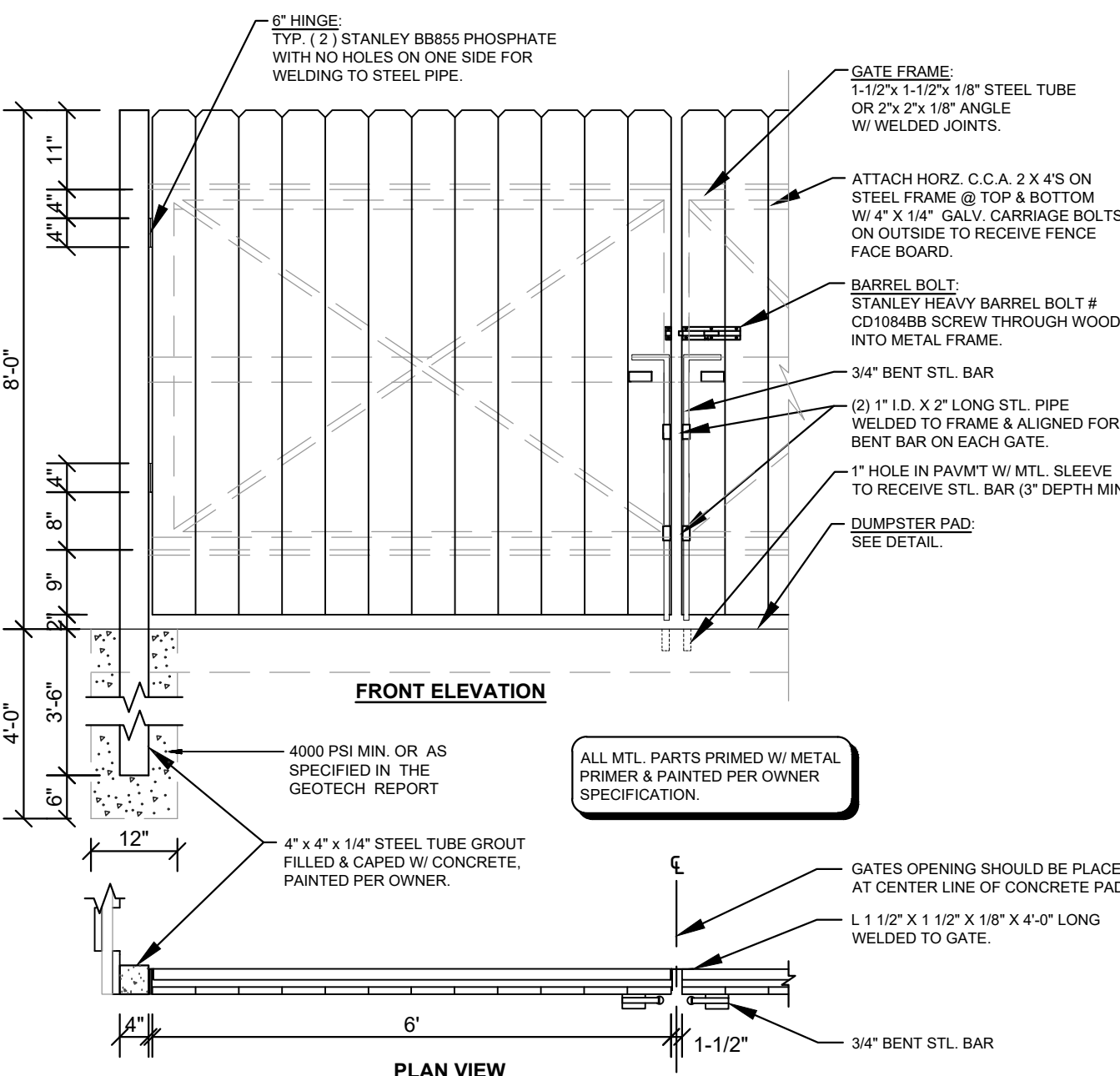


DETECTABLE WARNING MAT
NOT TO SCALE



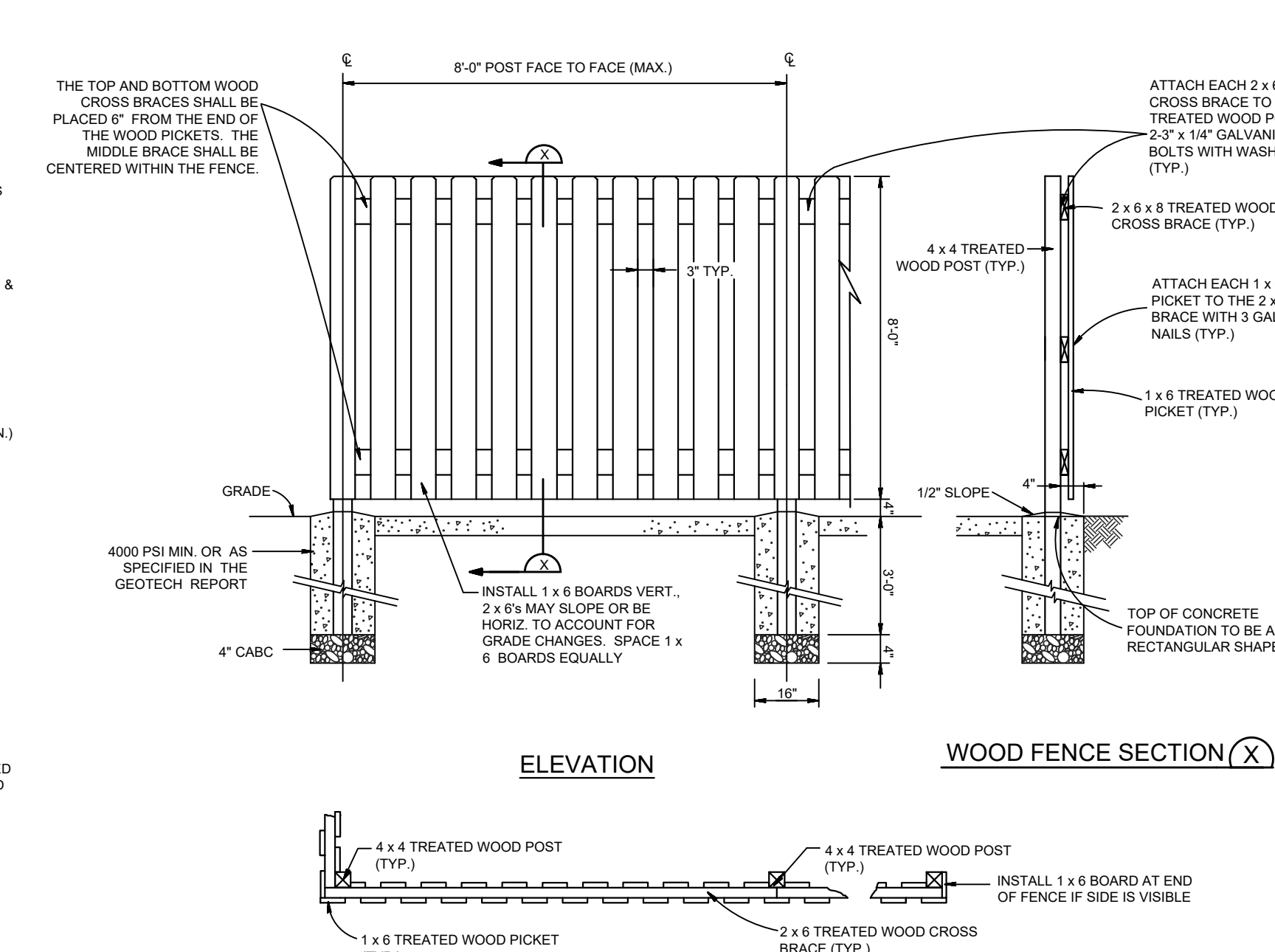
PARAMOUNT ENGINEERING
122 Cinema Drive
Wilmington, North Carolina 28403
(910) 791-6707 (O) (910) 791-6766 (F)
NC License #: C-2846

SMILE STRAIGHT ORTHODONTICS
WILMINGTON
NORTH CAROLINA



NOTES:
1. SEE FENCING NOTES, THIS SHEET.

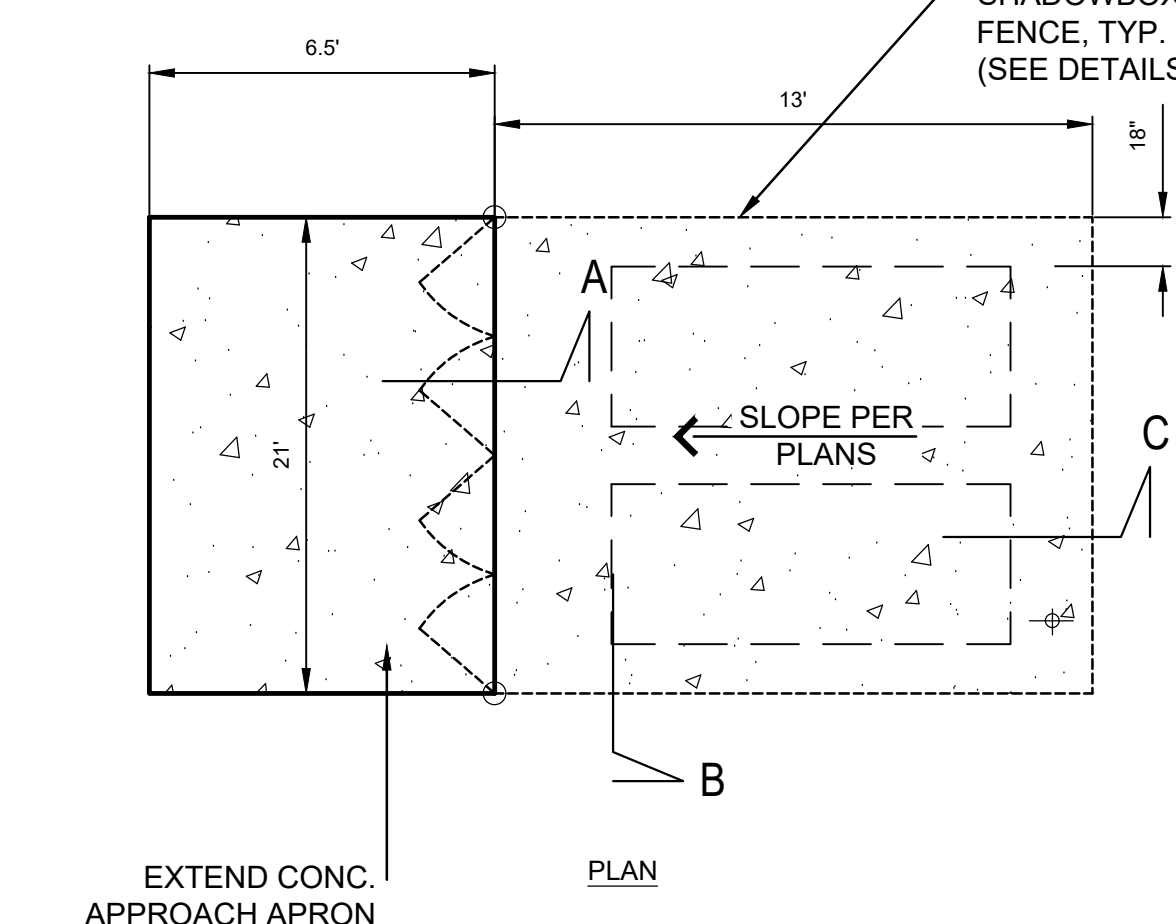
SHADOW BOX FENCE AND GATE DETAILS
NOT TO SCALE



PLAN VIEW

FENCING NOTES AND SPECIFICATIONS
1. SPECIFICATIONS FOR WOOD FENCES THE FOLLOWING SPECIFICATIONS, DERIVED FROM ASTM F 537 AND STANDARD PRACTICE IN THE FENCE INDUSTRY, SHALL APPLY TO THE MATERIALS AND CONSTRUCTION OF WOOD FENCES:
(A) POSTS AND FRAMING - POST SPACING SHALL NOT EXCEED EIGHT FEET (8').
(B) ALL POST HOLES SHOULD BE A MINIMUM OF THIRTY INCHES (30") DEEP FOR FOUR FEET (4') HIGH FENCES AND THIRTY-SIX INCHES (36") DEEP FOR FENCES HIGHER THAN FOUR FEET (4') UP TO EIGHT FEET (8'). ALL TERMINAL, CORNER AND GATE POSTS SHOULD BE SET TO FOURTY-TWO INCHES (42") DEEP.
(C) POST HOLES SHOULD BE AT LEAST FOUR INCHES (4") LARGER IN DIAMETER THAN THE LARGEST DIMENSION OF THE POST. ALL TERMINAL, CORNER AND GATE POSTS SHOULD BE SET IN CONCRETE.
(D) FENCES UP TO FIVE FEET (5') SHALL HAVE A MINIMUM OF TWO RAILS (STRINGERS) TOP AND BOTTOM. FENCES OVER FIVE FEET (5') SHALL HAVE A THIRD RAIL AT CENTER HEIGHT. STRINGERS SHALL BE 2X6 MINIMUM (NOMINAL).
(E) MATERIALS - ALL MATERIALS USED IN WOOD FENCING SHOULD BE EITHER (1) NATURALLY ROT-RESISTANT WOOD (SUCH AS CEDAR), (2) A WOOD PRESURE TREATED FOR ROT-RESISTANCE, OR (3) BE COATED THOROUGHLY WITH A PAINT OR PROTECTIVE COATING IMMEDIATELY ON ERECTION.
(F) FASTENERS - FASTENERS SHALL BE MADE OF A NON-RUSTING, NON-CORROSIVE MATERIAL, OR COATED TO RESIST RUSTING. NAILS SHALL BE LONG ENOUGH TO PENETRATE THE RECEIVING MEMBER TWICE THE THICKNESS OF THE THINNER MEMBER BUT NOT LESS THAN ONE AND ONE-HALF INCHES (1 1/2").
(G) COVER BOARDS SHALL BE 1/2" MINIMUM THICKNESS. SPACE SHOULD BE PROVIDED, FOR WIDTHS 6 TO 8 INCHES, A MINIMUM SPACE OF ONE EIGHTH INCH (1/8") SHOULD BE PROVIDED.
(H) THE TOPS OF THE COVER BOARDS SHALL BE CUT AS DOG EAR (CORNERS CUT OFF AT 45 DEGREE ANGLES).

DUMPSTER PAD DETAILS
NOT TO SCALE



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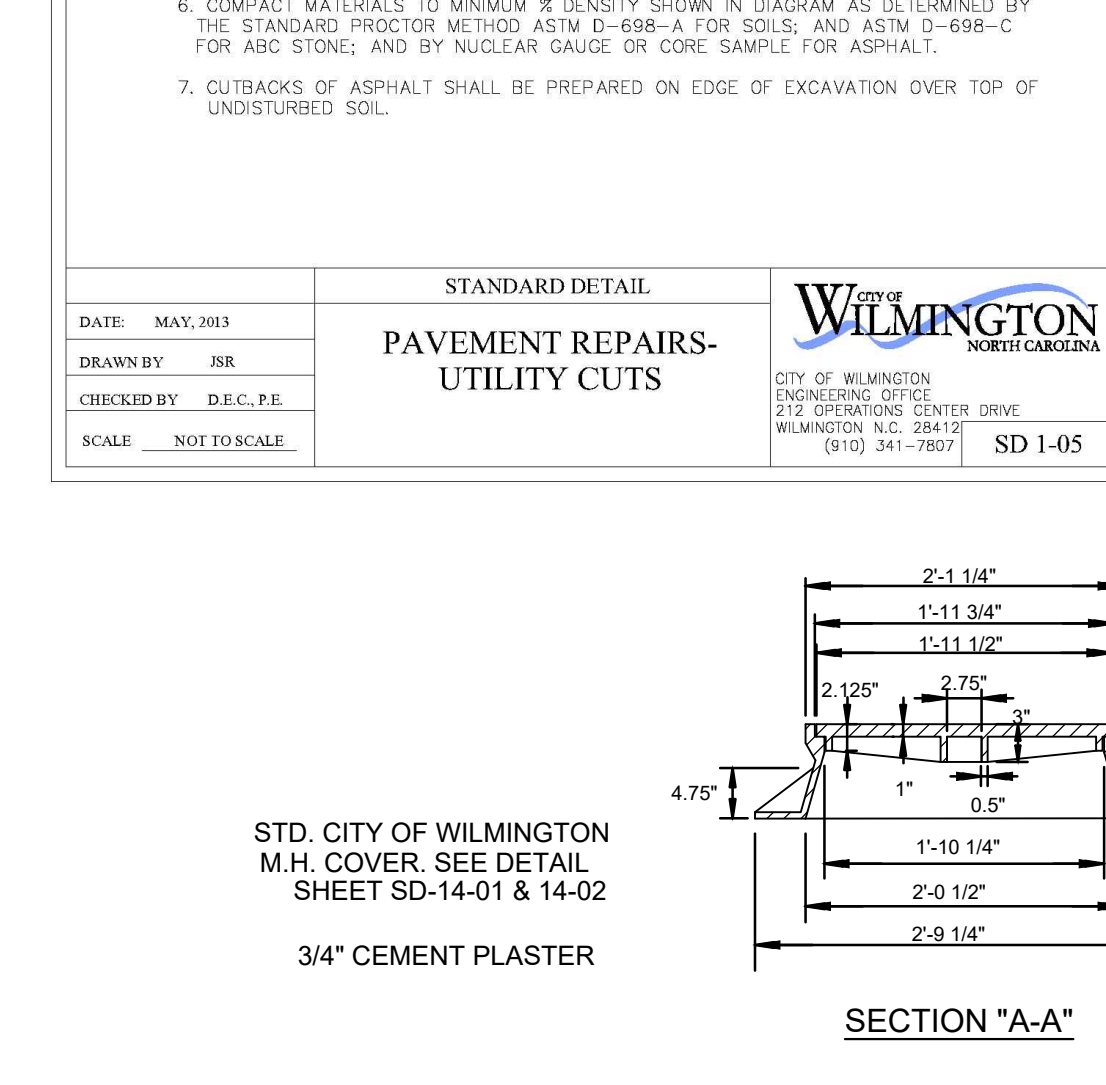
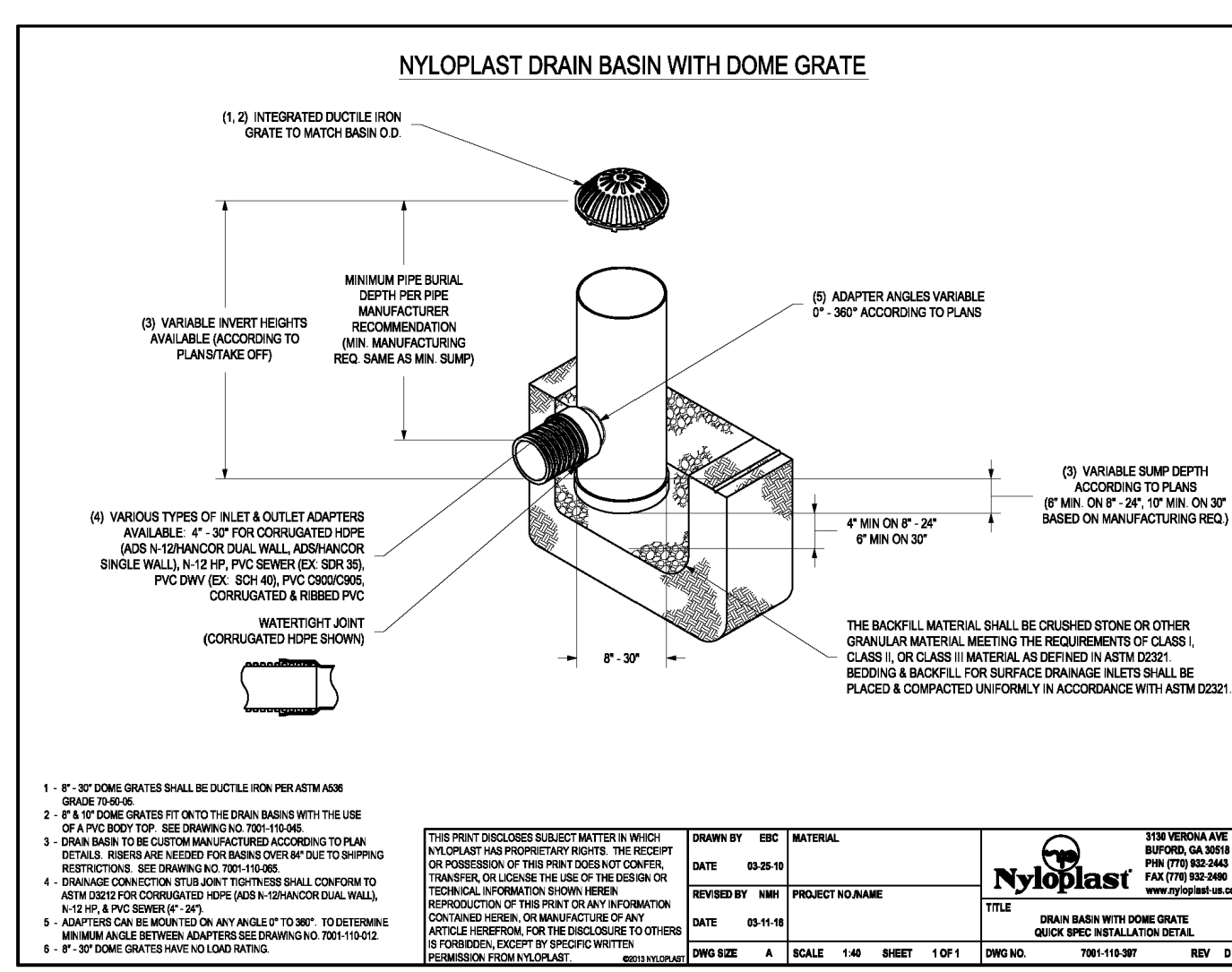
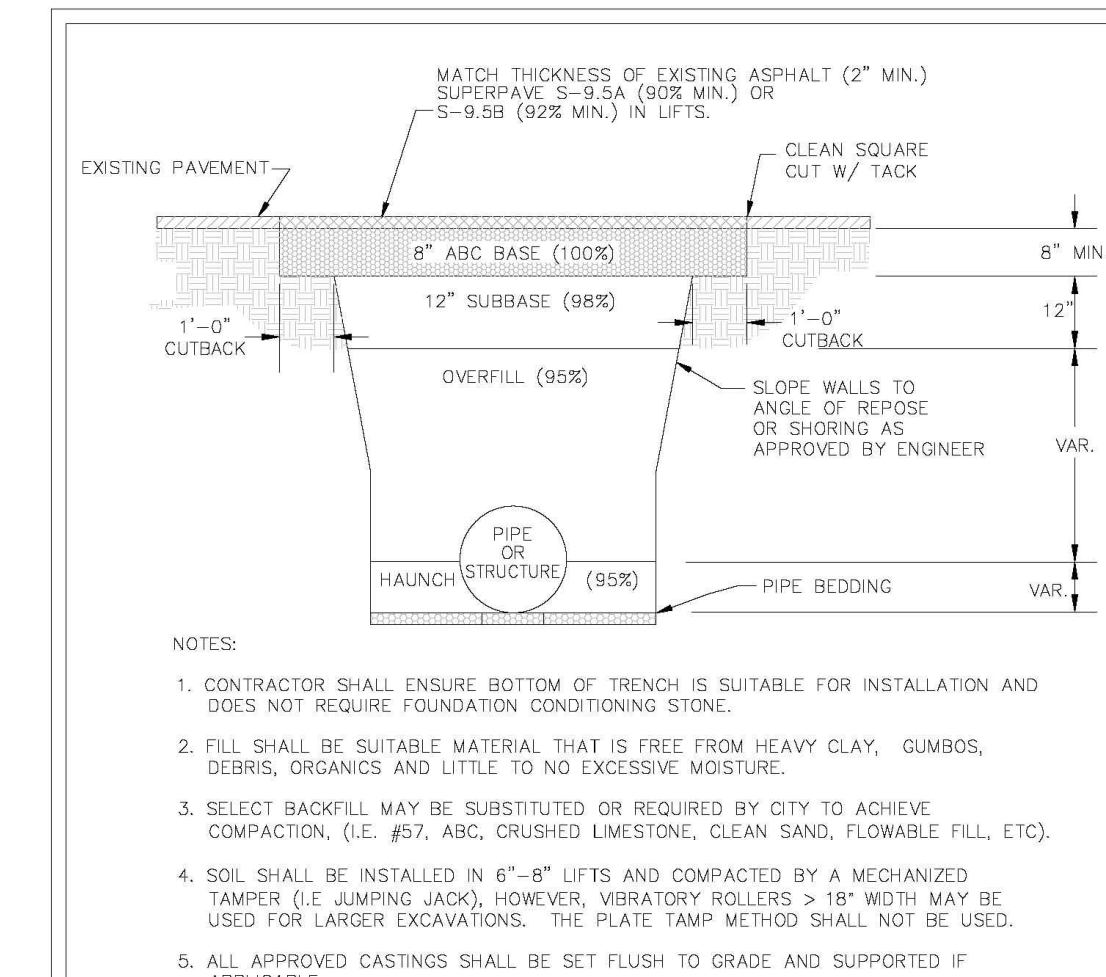
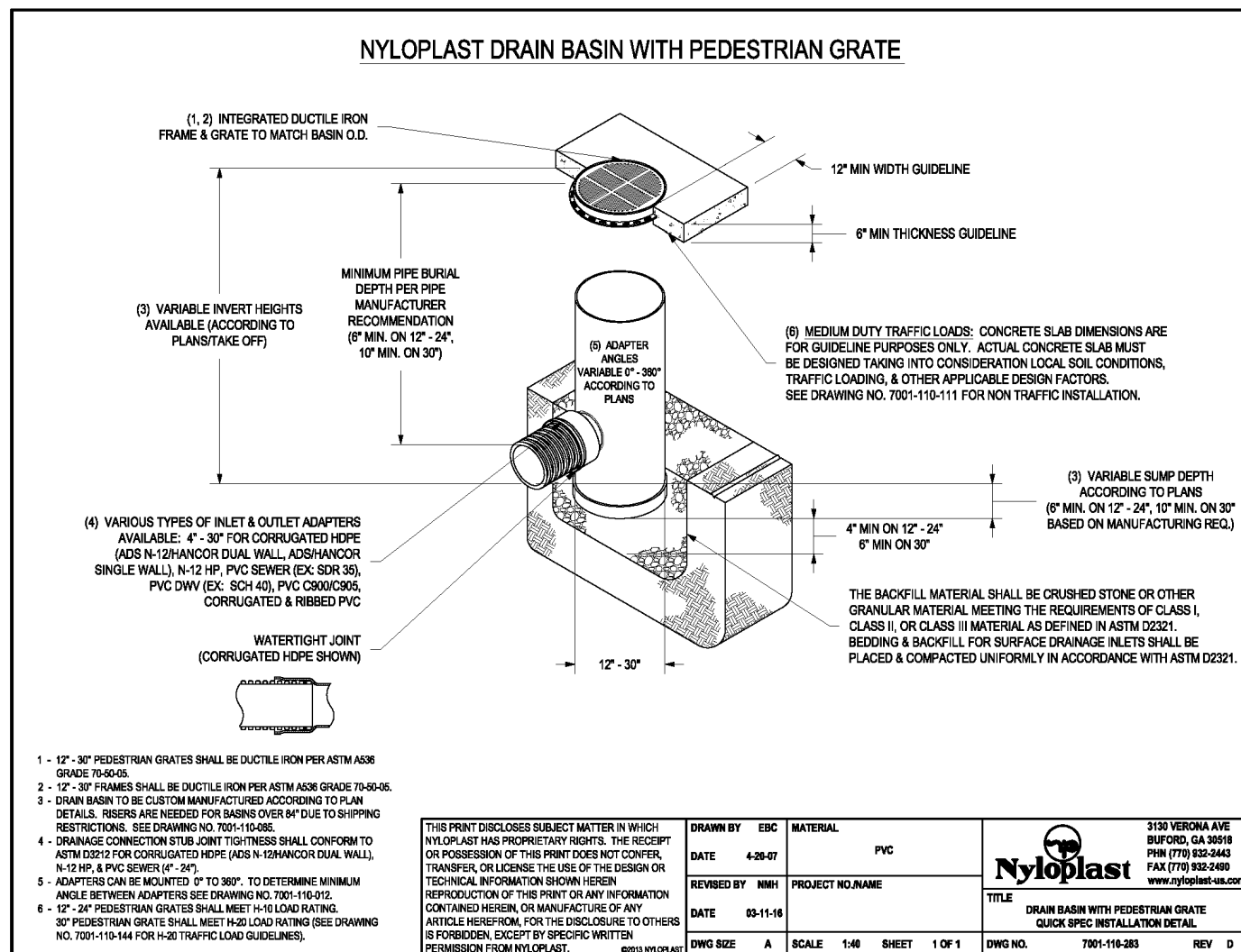
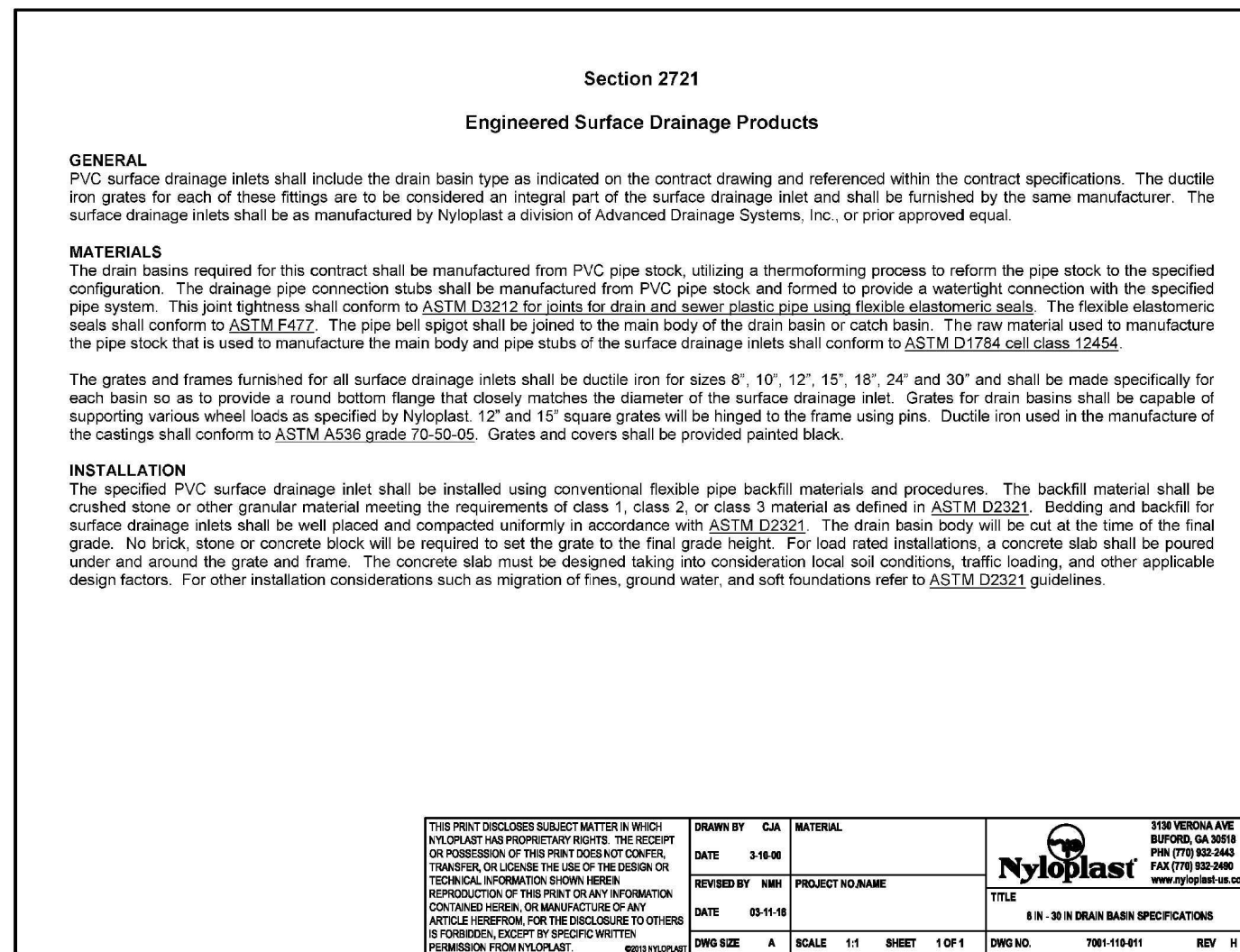
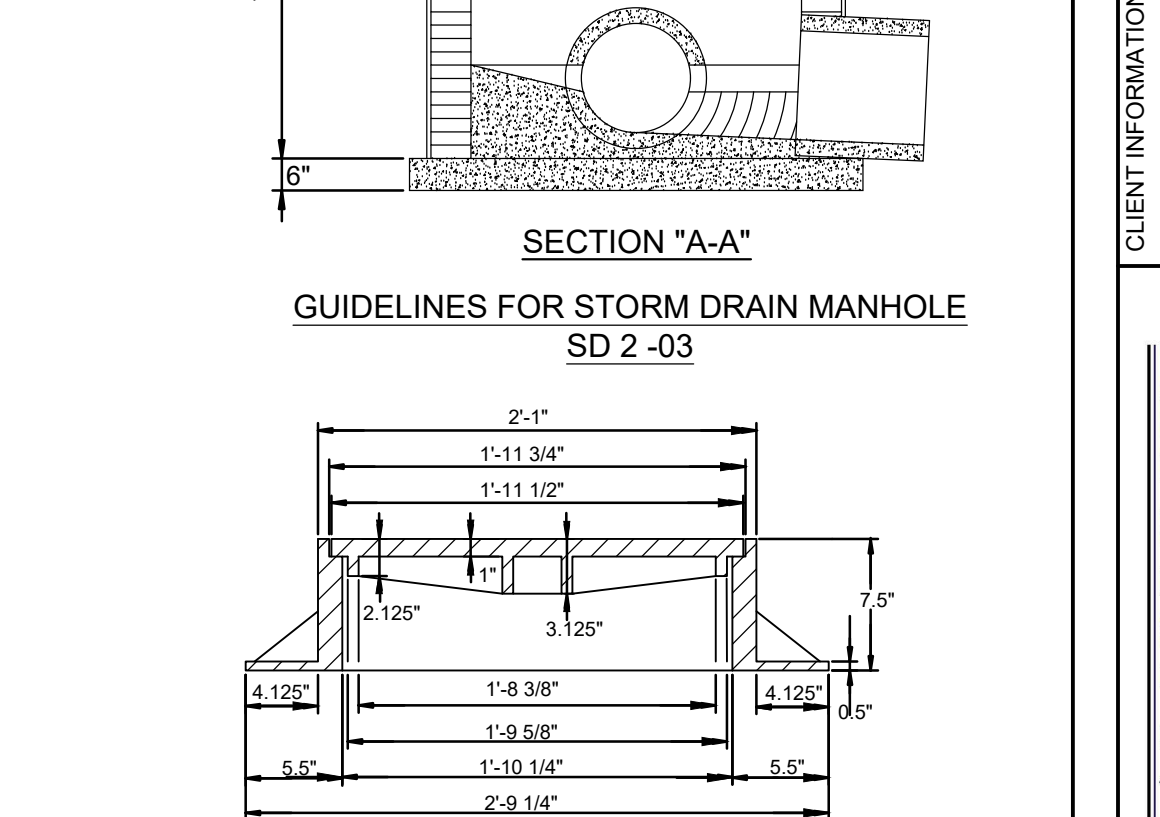
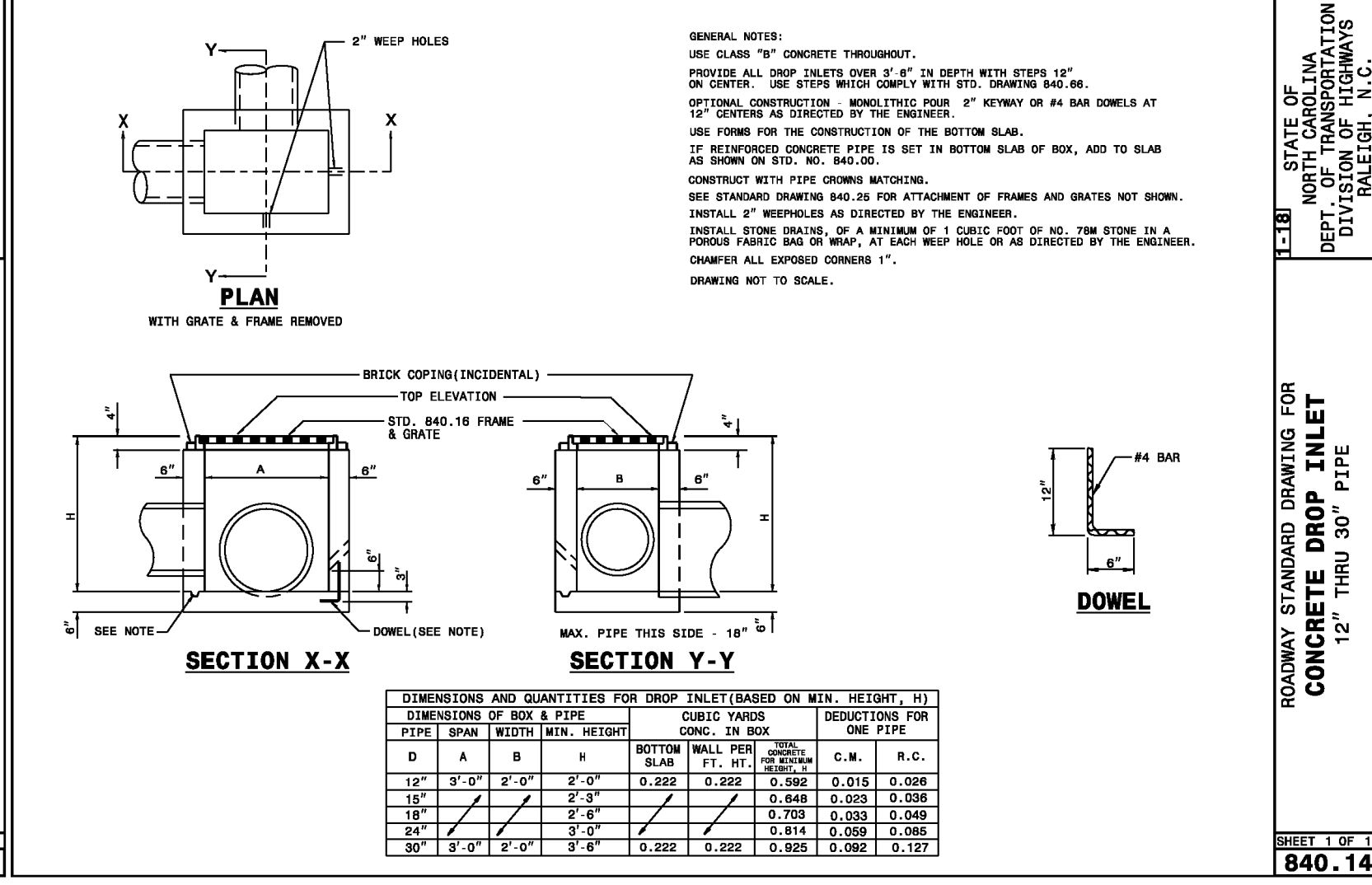
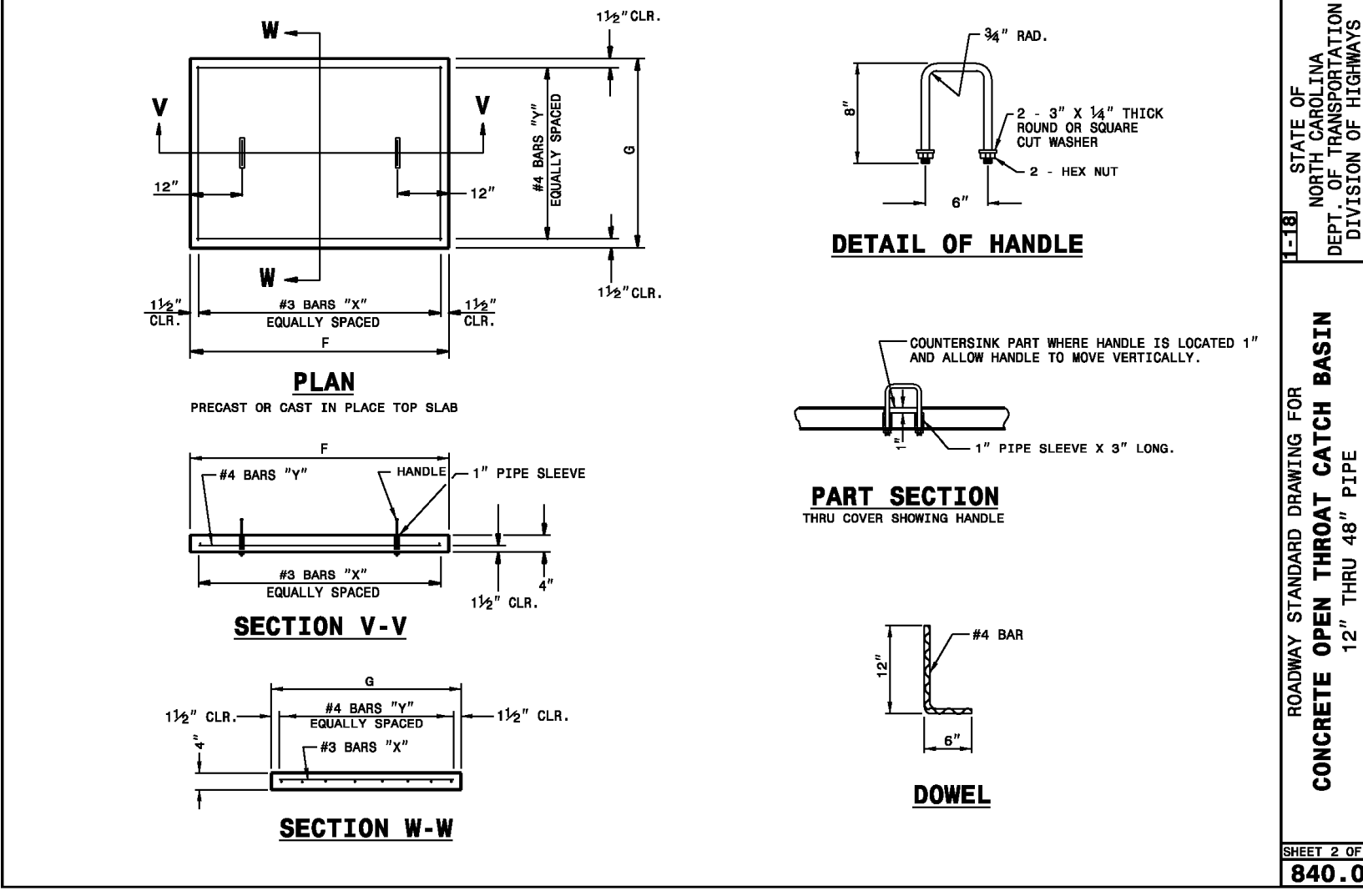
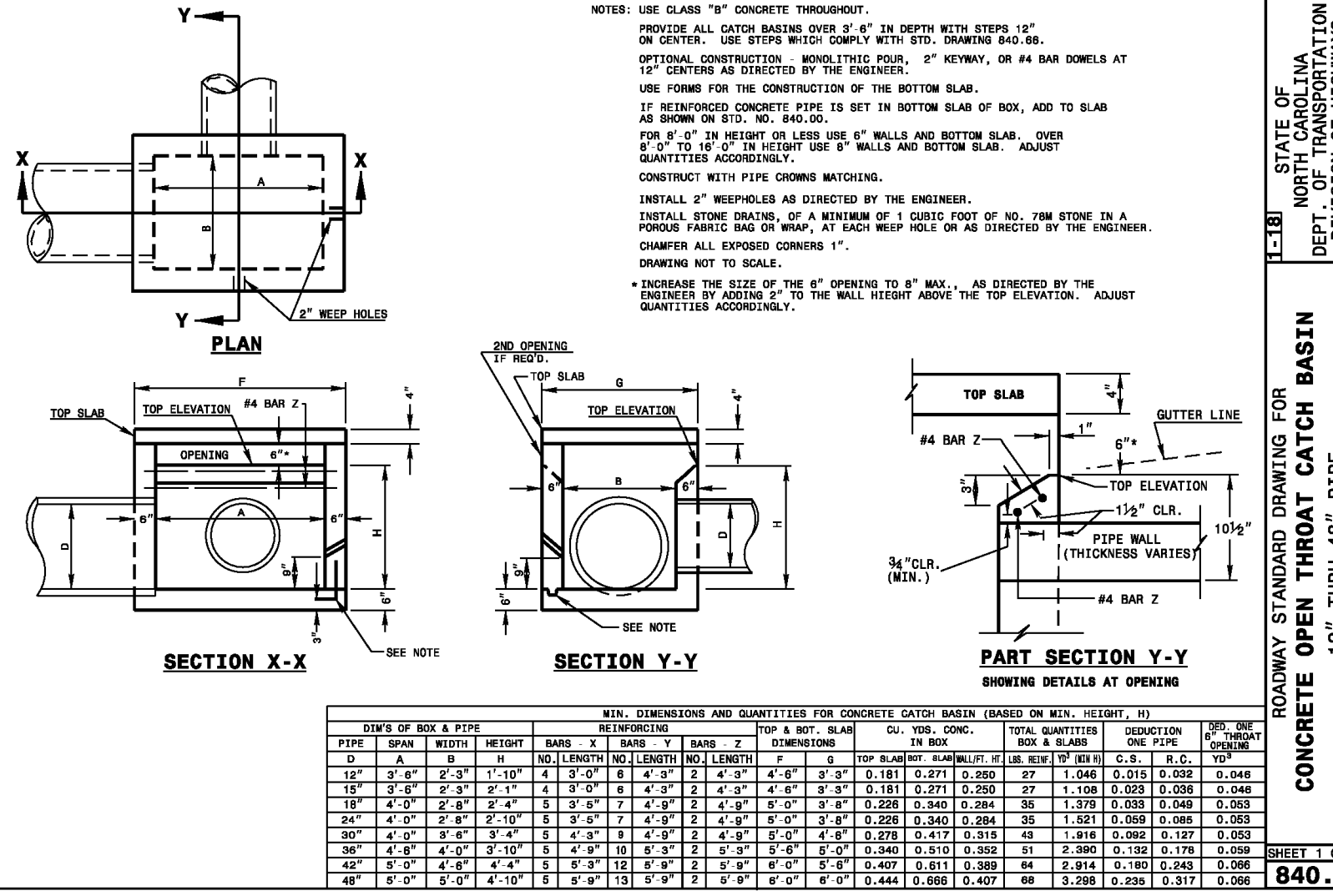
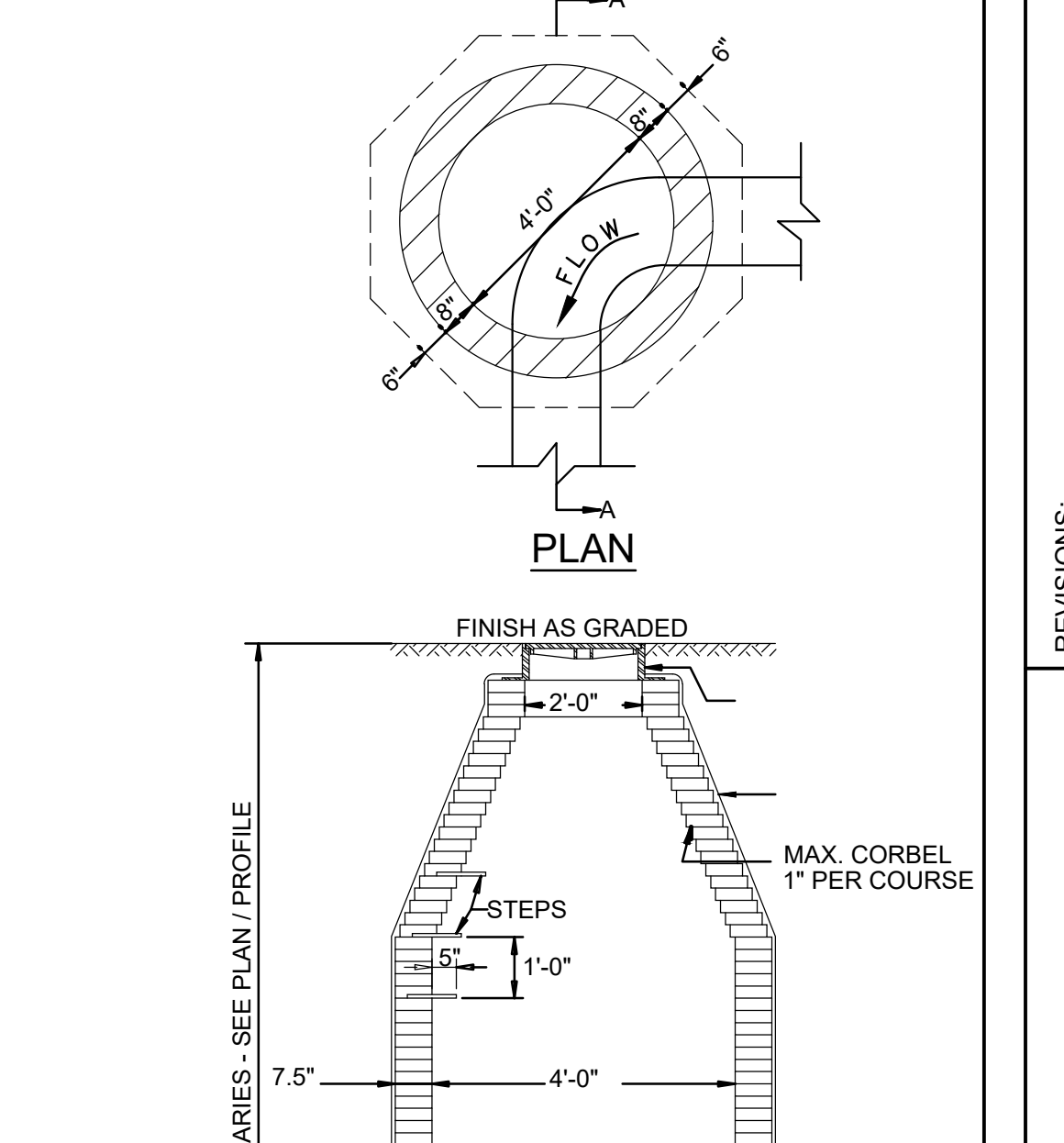
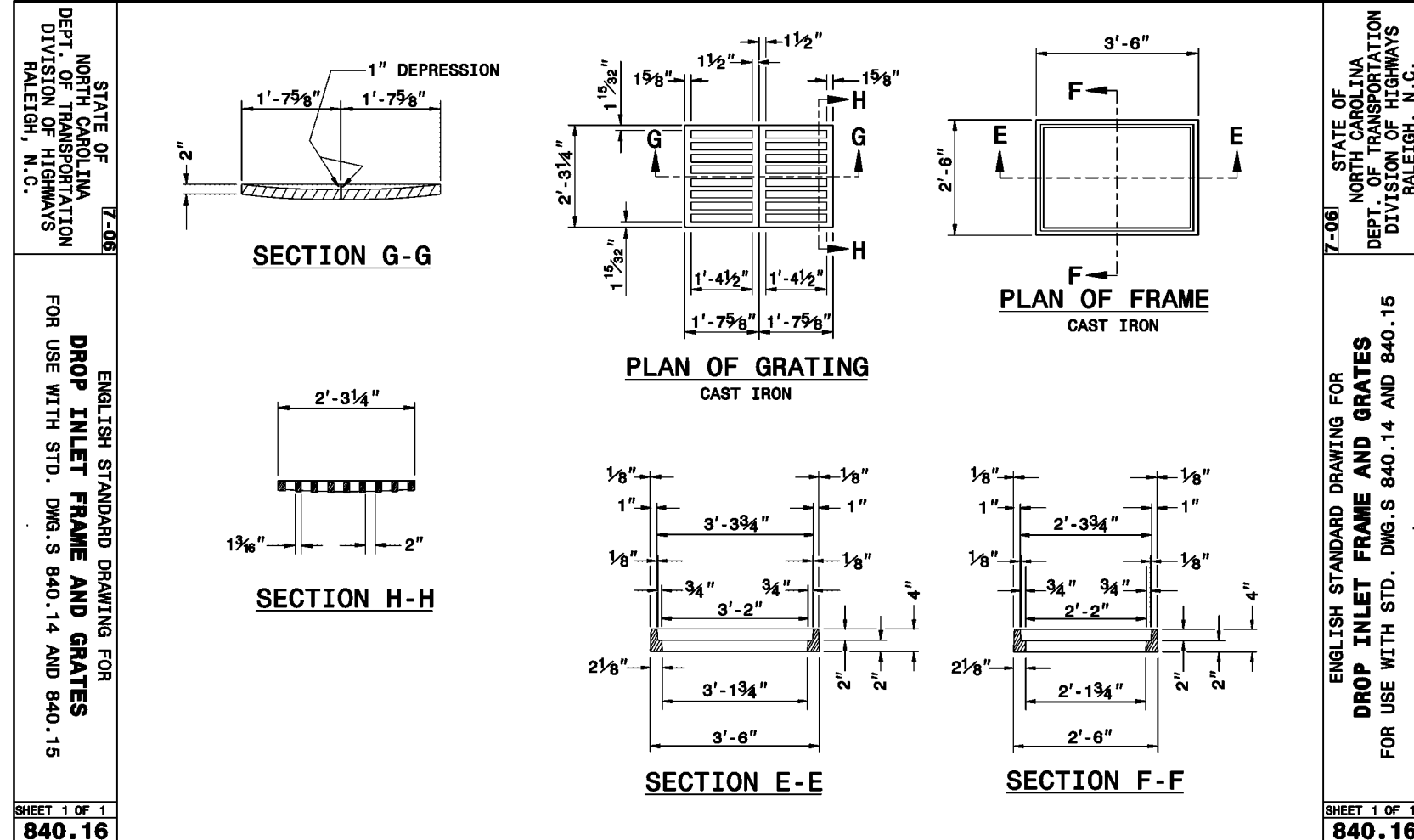
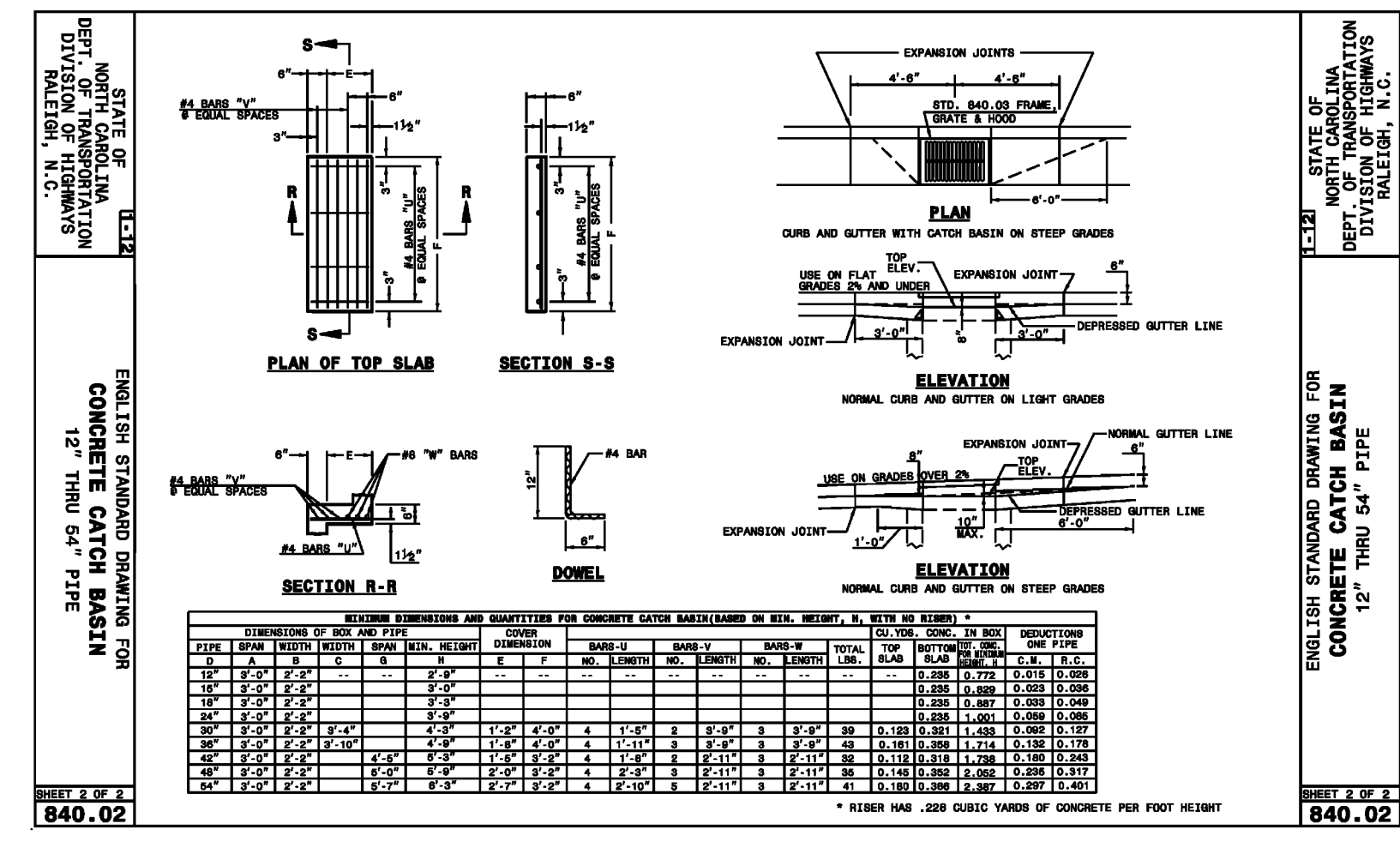
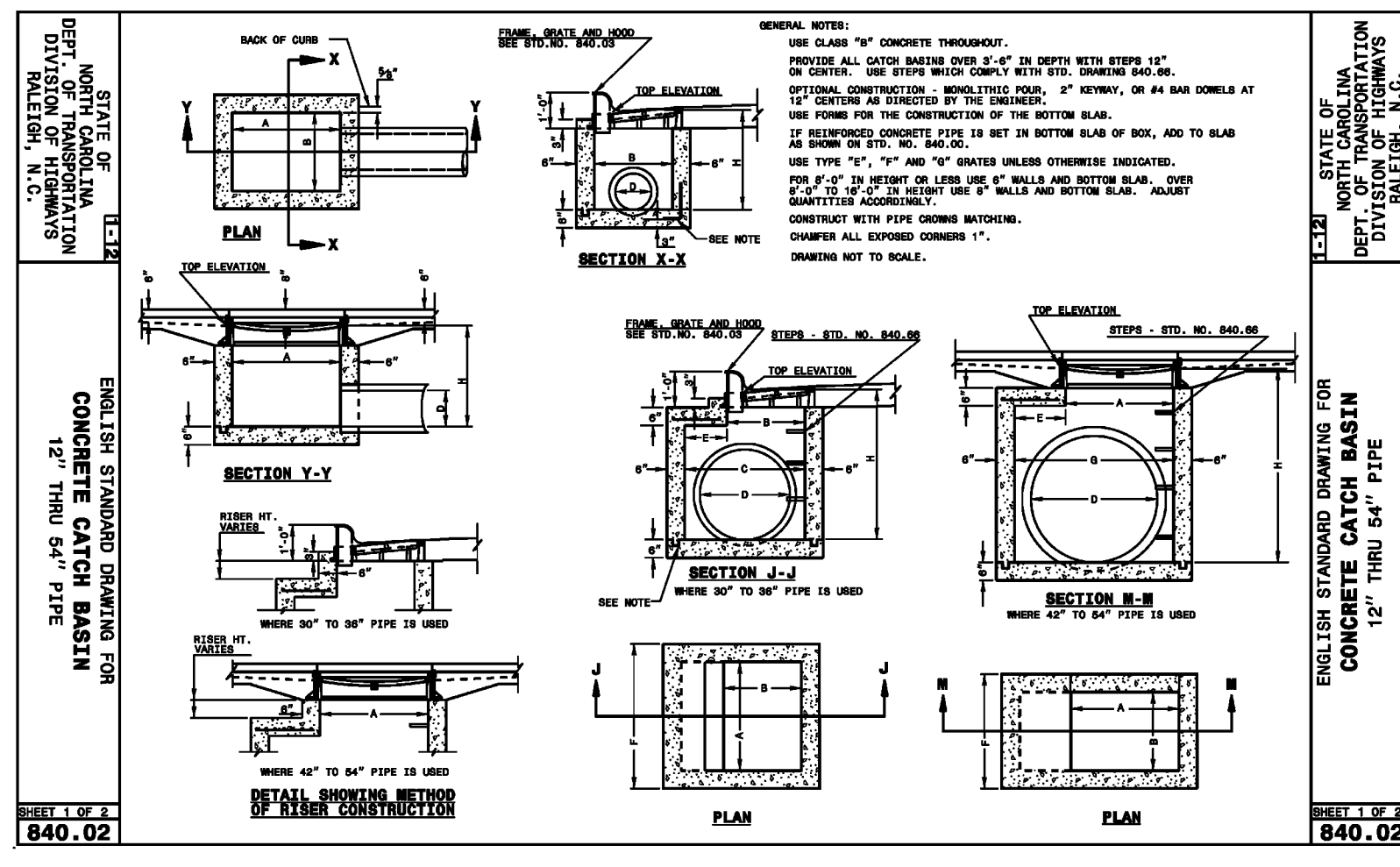
WILMINGTON NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit # _____
Signed: _____

ISSUED FOR CONSTRUCTION

PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
RELEASED FOR CONST.:

DRAWING INFORMATION
DATE: 04/13/22
SCALE: AS SHOWN
DRAWN: ASB
CHECKED: RSB

04/13/2022
C-4.0
PEI JOB#: 21434.PE



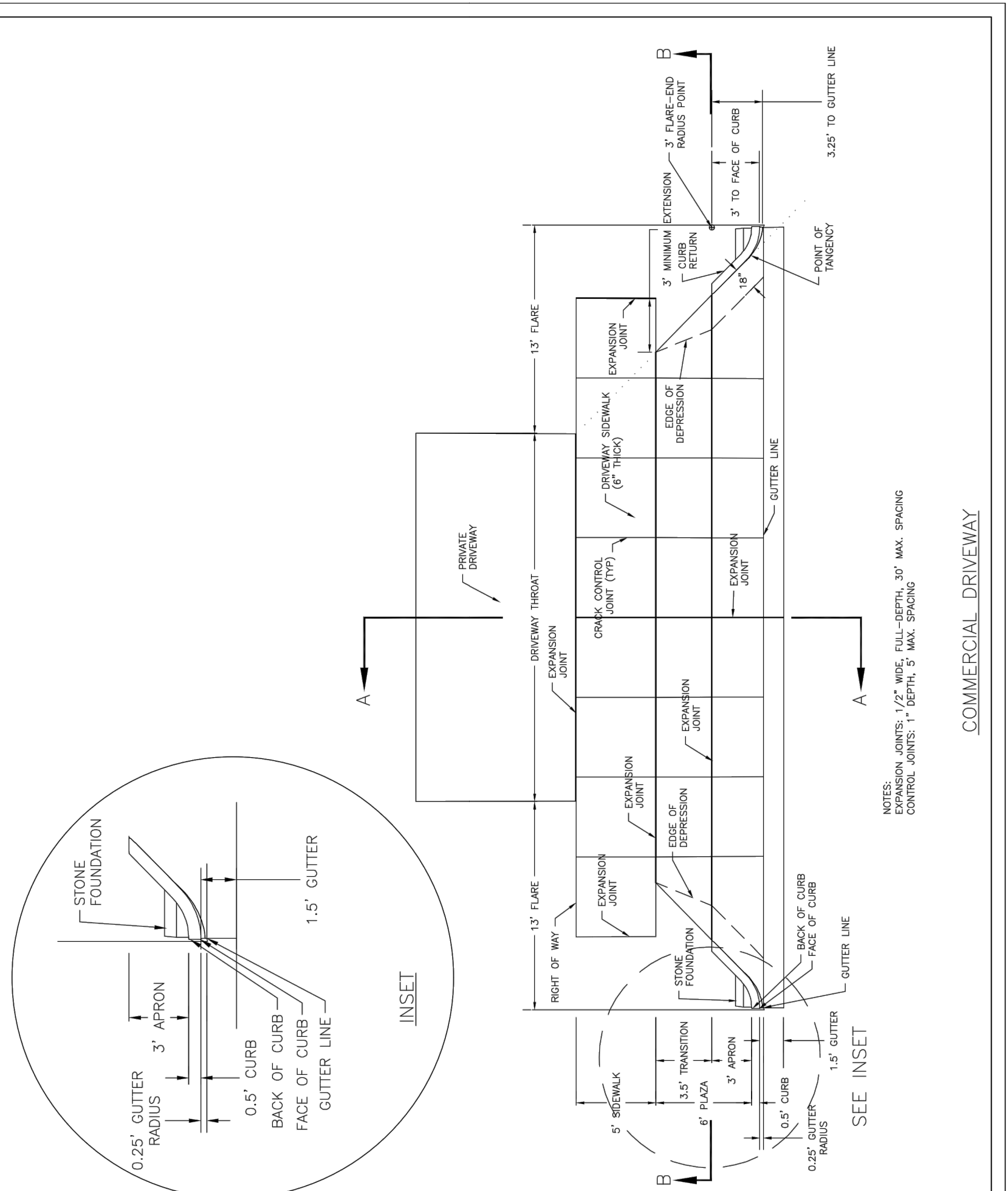
SMILE STRAIGHT ORTHODONTICS
WILMINGTON
NORTH CAROLINA

APPROVED CONSTRUCTION PLAN
Date: 4/13/22
2021060
SWP #: 2022019
PO, CW, ES, MB, BM

CITY OF WILMINGTON
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

SMILE STRAIGHT ORTHODONTICS
WILMINGTON
NORTH CAROLINA

122 Cinema Drive
Wilmington, North Carolina 28403
(910) 791-6707 (O) (910) 791-6766 (F)
NC License #: C-2846

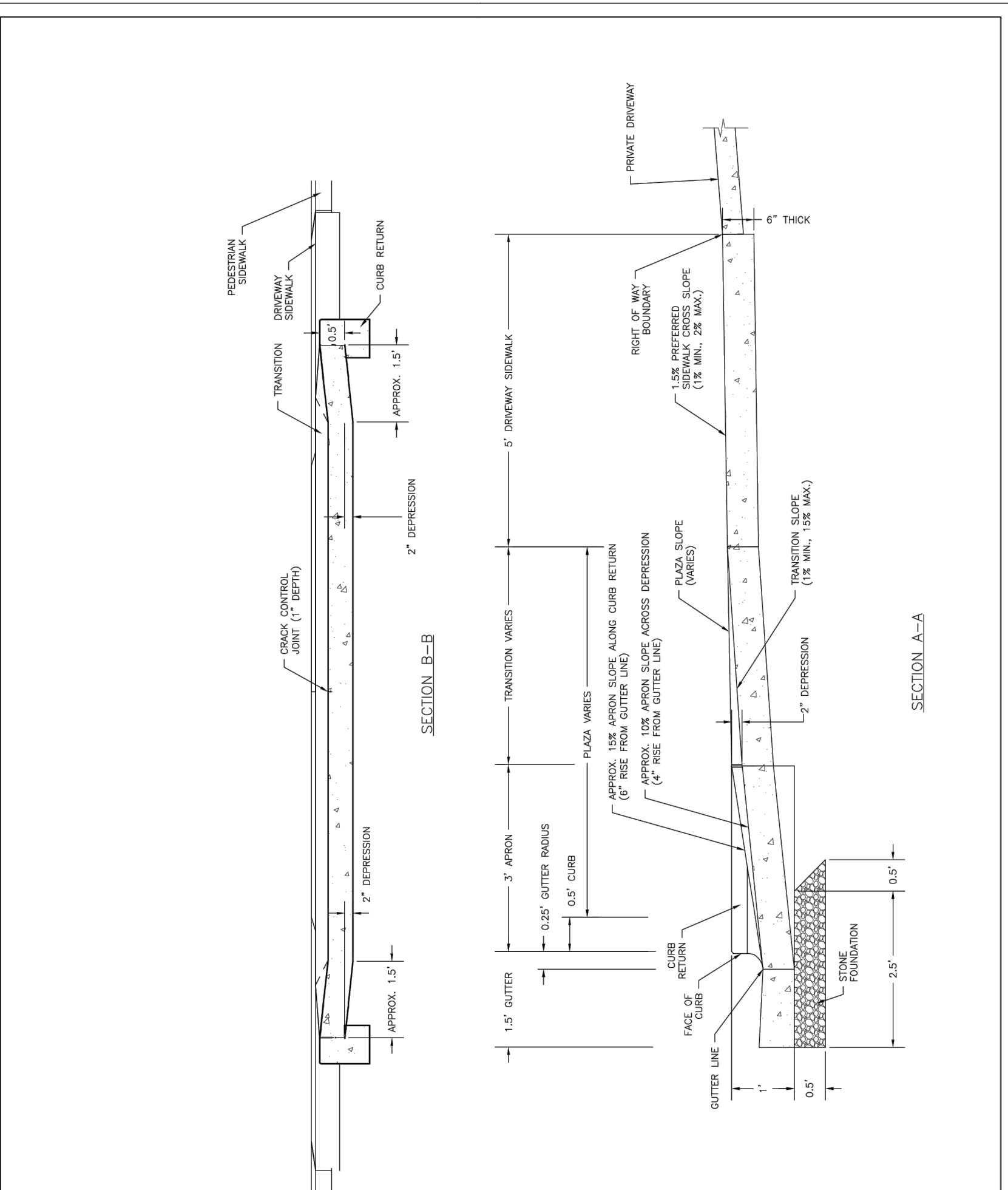


STANDARD DETAIL
COMMERCIAL DRIVEWAY PLAN (VERTICAL CURB)
 1 of 2

DATE: FEB. 14, 2017
 DRAWN BY JSR
 CHECKED BY D.E.C., P.E.
 SCALE NOT TO SCALE

CITY OF WILMINGTON NORTH CAROLINA
 CITY OF WILMINGTON ENGINEERING
 PO BOX 1810
 WILMINGTON N.C. 28402
 (910) 341-7807

SD 3-03.3

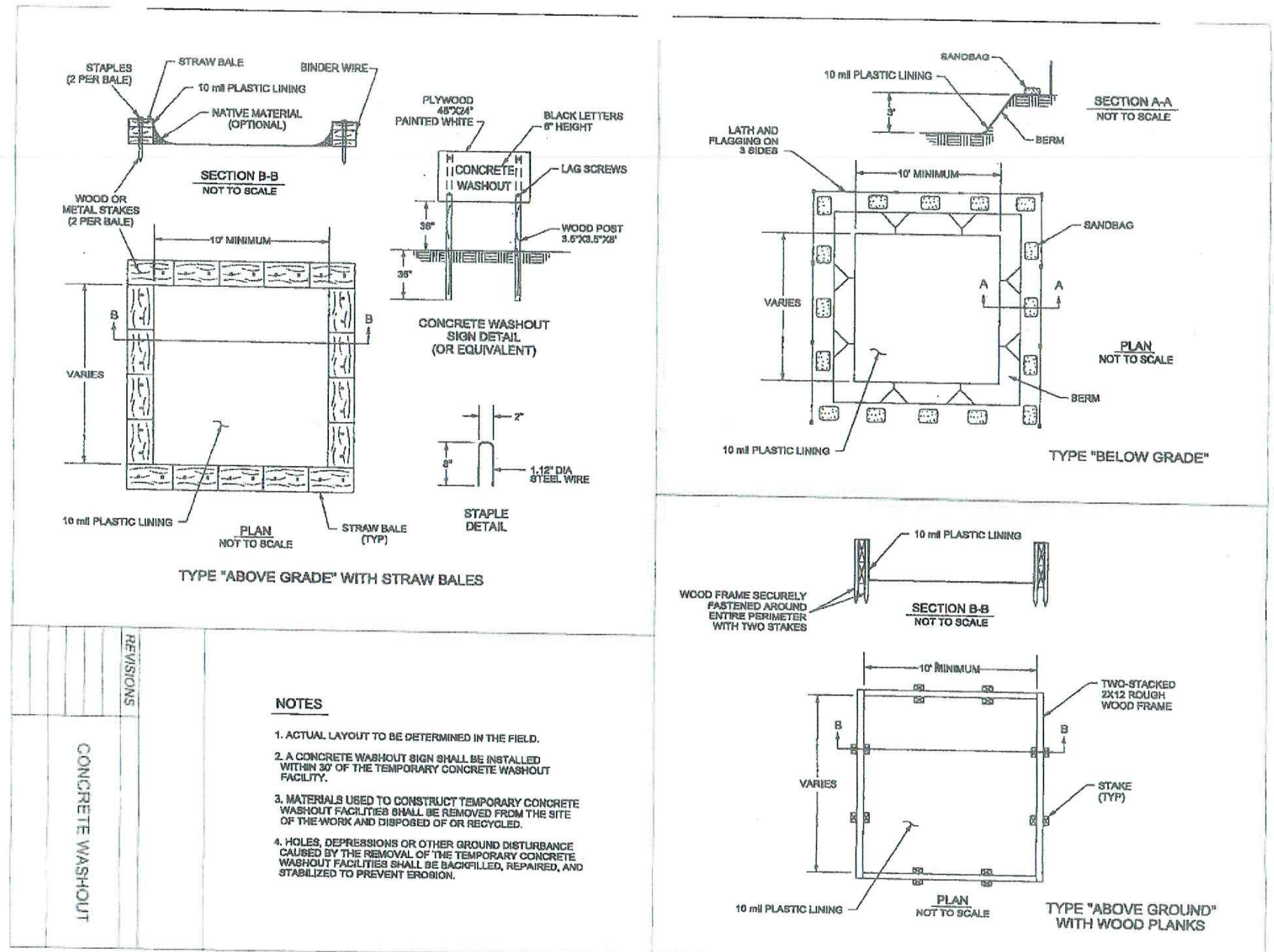


STANDARD DETAIL
COMMERCIAL DRIVEWAY SECTIONS (VERTICAL CURB)
 2 of 2

DATE: FEB. 14, 2017
 DRAWN BY JSR
 CHECKED BY D.E.C., P.E.
 SCALE NOT TO SCALE

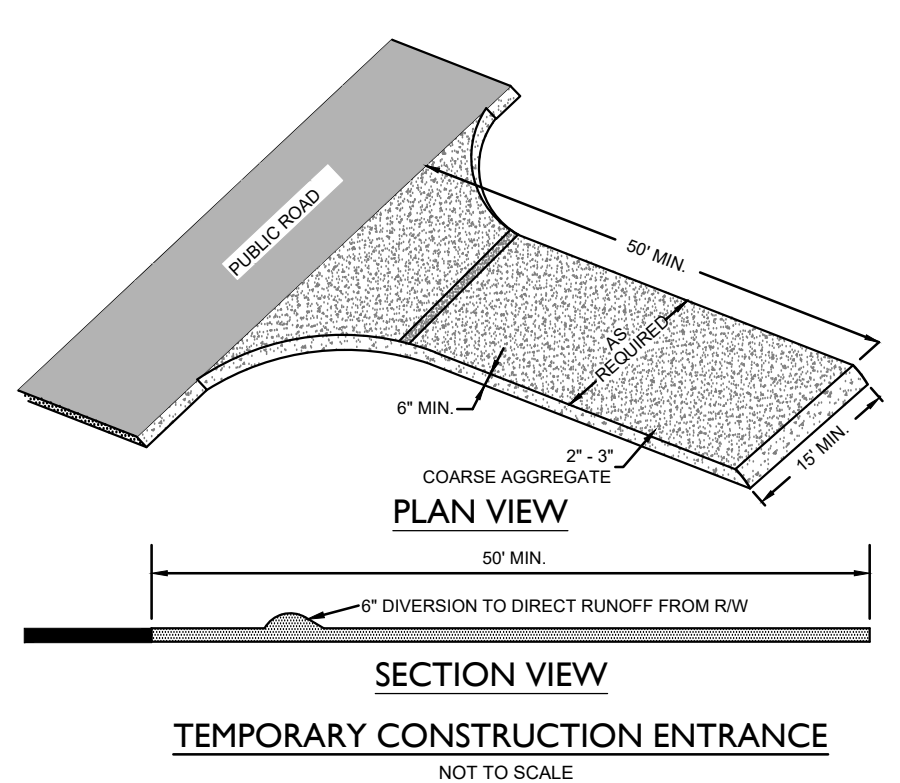
CITY OF WILMINGTON NORTH CAROLINA
 CITY OF WILMINGTON ENGINEERING
 PO BOX 1810
 WILMINGTON N.C. 28402
 (910) 341-7807

SD 3-03.4

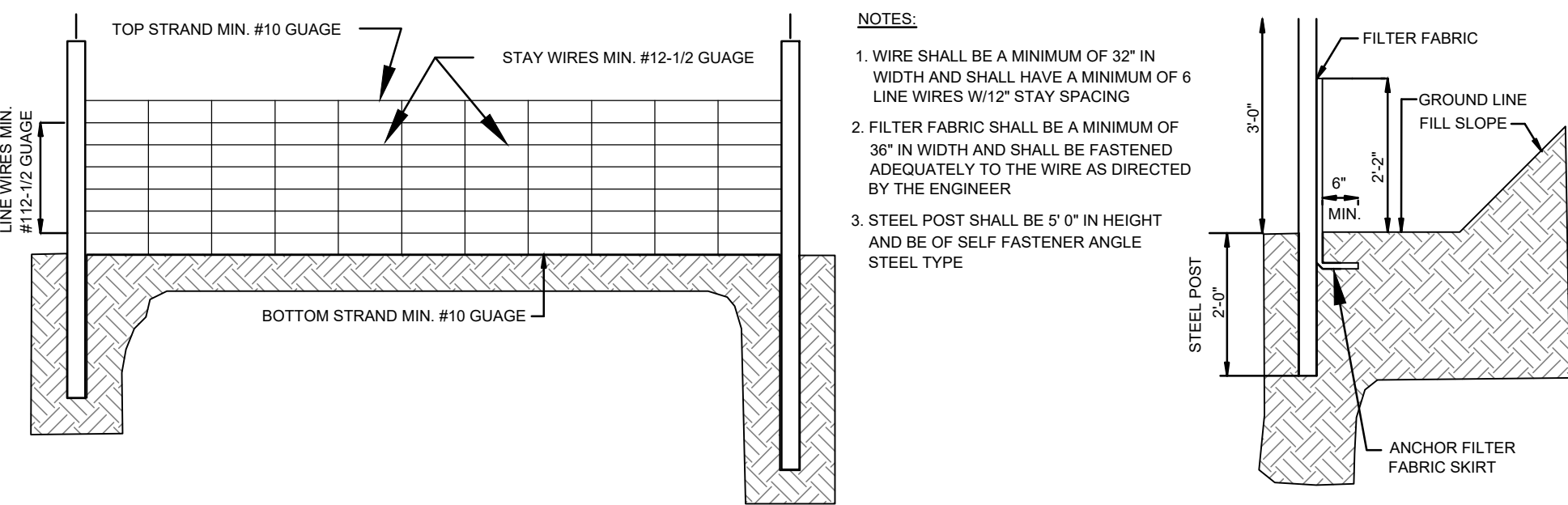


CONCRETE WASHOUT

NOTES:
 1. ACTUAL LAYOUT TO BE DETERMINED IN THE FIELD.
 2. A CONCRETE WASHOUT SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
 3. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR RECYCLED.
 4. HOLE, DEPRESSION OR OTHER OBVIOUS DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT SHALL BE REPAIRED, REFINISHED, AND STABILIZED TO PREVENT SPALLING.

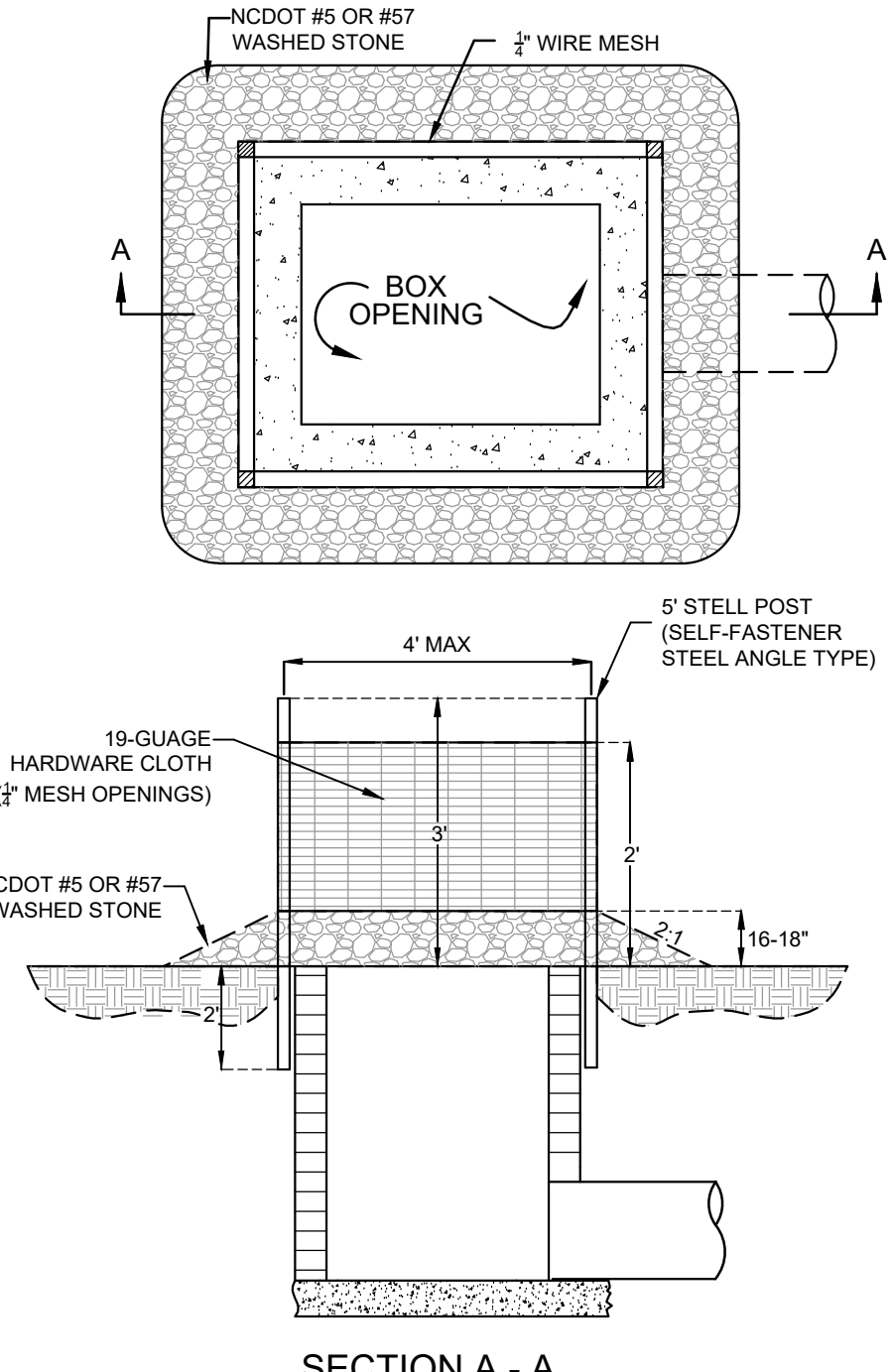


TEMPORARY CONSTRUCTION ENTRANCE
 NOT TO SCALE



GUIDELINES FOR TEMPORARY SILT FENCE DETAIL
 NOT TO SCALE

NOTES:
 1. WIRE SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH STAY SPACING.
 2. FILTER FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE FASTENED ADEQUATELY TO THE WIRE AS DIRECTED BY THE ENGINEER.
 3. STEEL POST SHALL BE 6" IN HEIGHT AND BE OF SELF-FASTENER ANGLE STEEL TYPE.



INLET PROTECTION
 NOT TO SCALE

NOTE:
 FOR CURB INLETS AND DROP INLETS

Approved Construction Plan
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CITY OF WILMINGTON NORTH CAROLINA
 Public Services • Engineering Division
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 Signed: _____

ISSUED FOR CONSTRUCTION

PROJECT STATUS:
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 DRAWN: RBR
 CHECKED: RBR

C-4.3
 PEI JOB#: 21434.PE

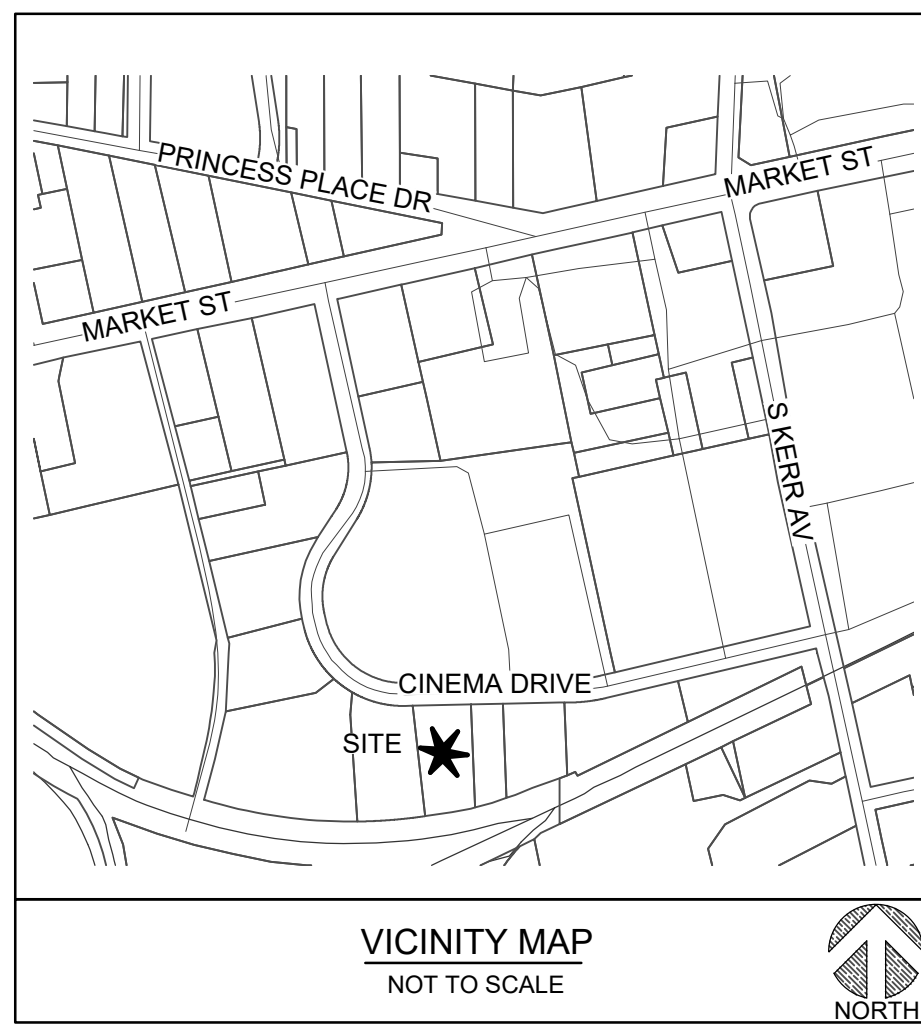
CLIENT INFORMATION:

PARAMOUNT ENGINEERING
 122 Cinema Drive
 Wilmington, North Carolina 28403
 (910) 791-6707 (O) (910) 791-6766 (F)
 N.C. License #: C-2846

DETAILS
 SMILE STRAIGHT ORTHODONTICS
 WILMINGTON
 NORTH CAROLINA

REVISIONS:

KIDS DENTAL BRANDS
 5717 E. THOMAS ROAD, SUITE 100
 SCOTTSDALE, AZ 85251



SITE INFORMATION
 PROJECT ADDRESS: 126 CINEMA DRIVE WILMINGTON, NC 28403

OWNER INFORMATION: HENRY HILL GROUP, LLC 5717 E. THOMAS ROAD, SUITE 100 SCOTTSDALE, AZ 85251

APPLICANT INFORMATION: KIDS DENTAL BRANDS 5717 E. THOMAS ROAD, SUITE 100 SCOTTSDALE, AZ 85251

TAX PARCEL IDENTIFICATION #: R04914-005-019-000
RECORDED DEED BOOK: DB 6458 PG 652

CURRENT ZONING: RB - REGIONAL BUSINESS

EXISTING USE: UNUSED LAND

PROPOSED USE: MEDICAL OFFICE

TOTAL SITE AREA: ± 1.0 AC (± 43,560 SF)

FLOOD INFORMATION: THIS PARCEL IS LOCATED IN FLOOD ZONE X, WHICH IS NOT A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY FEMA FLOOD PANEL 3137, MAP NUMBER 3720313700K, DATED AUGUST 28, 2018

CAMA LAND USE CLASSIFICATION: URBAN

SPECIAL HIGHWAY OVERLAY DISTRICT: THE SITE IS NOT LOCATED IN A SPECIAL HIGHWAY OVERLAY DISTRICT

PROPOSED BUILDING SIZE: ± 5,000 SF
PROPOSED BUILDING HEIGHT: 35'
BUILDING LOT COVERAGE: ± 11.40%

BUILDING CONSTRUCTION TYPE: IIB or VB (TBD)

TOTAL DISTURBED AREA: ± 0.85 AC

TREE REMOVAL NOTES:

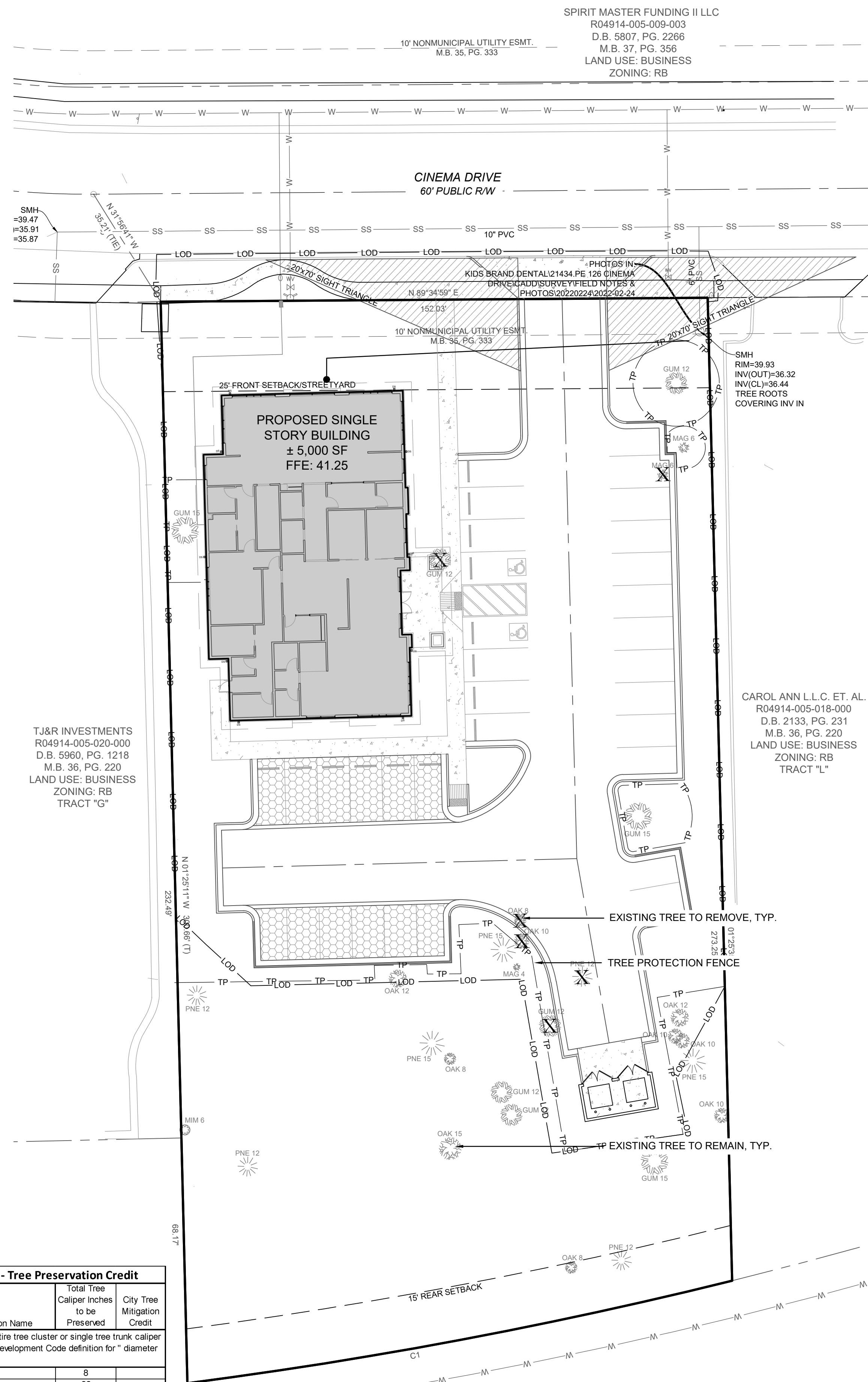
- PRIOR TO ANY CLEARING, GRADING, OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN TREE PROTECTION FENCING.
- ALL TREES TO BE REMOVED SHALL BE DUE TO ESSENTIAL SITE IMPROVEMENTS. MITIGATION FOR ANY TREE REMOVAL SHALL ONLY BE APPLICABLE TO SIGNIFICANT TREES REMOVED.

TREE MITIGATION NOTES:

- EXISTING TREES TO REMAIN WILL COUNT TOWARD CREDIT AGAINST MITIGATION AS PER TABLE 1 'CREDIT FOR PRESERVED TREES' IN SECTION 18-448 OF THE CITY OF WILMINGTON LDC.
- NO CREDIT WAS TAKEN FOR EXISTING TREES TO REMAIN LOCATED WITHIN THE BUFFERS
- TREE PROTECTION FENCING WILL BE INSTALLED AS PER CITY OF WILMINGTON STANDARDS AND BE PRESENT BEFORE AND DURING CONSTRUCTION TO PREVENT EQUIPMENT AND PERSONNEL FROM DAMAGING PRESERVED TREES.

SMILE STRAIGHT DENTISTRY - Tree Removal Calculations									
Qty of Trees	Caliper Inches*	Individual Trunk Calipers AND Individual Cluster Trunks	Tree Common Name	City Tree Type Classification	Total Cal. Inches to be Removed	% Mitigation	Essential Site Improvements	Significant	Total Qty. of Mitigation Trees Required
Note: * All listed as total caliper inches for entire tree cluster or single tree trunk caliper in compliance with City of Wilmington Land									
REGULATED & SIGNIFICANT TREES									
1	8		GUM	hardwood	8	100%	yes	no	
2	12		GUM	hardwood	24	100%	yes	no	
1	6		MAGNOLIA	flowering	6	100%	yes	no	
1	8		OAK	hardwood	8	100%	yes	no	
3	10		OAK	hardwood	30	100%	yes	no	
1	12		OAK	hardwood	12	100%	yes	no	
1	12		PINE (LOBLOLLY)	conifer	12	50%	yes	no	
Total Significant Trees Mitigation Required:									0
Total Category 1 Regulated Trees To Be Removed with Essential Site Improvements:									10
Total Qty. of Significant Tree Mitigation (essential site improvements):									0
Total Tree Credits:									47
Total Qty. of Mitigation Trees Required on Site (or Pay in Lieu Equivalent):									-47

SMILE STRAIGHT DENTISTRY - Tree Preservation Credit				
Qty of Trees	Caliper Inches *	Tree Common Name	Total Tree Caliper Inches to be Preserved	City Tree Mitigation Credit
Note: * All listed as total caliper inches for entire tree cluster or single tree trunk caliper in compliance with City of Wilmington Land Development Code definition for "diameter at breast height"				
1	8	GUM	8	
3	12	GUM	36	
3	15	GUM	45	
1	4	MAGNOLIA	4	
1	6	MAGNOLIA	6	
1	6	MIMOSA	6	
2	8	OAK	16	
3	10	OAK	30	
3	12	OAK	36	
1	15	OAK	15	
3	12	PINE	36	
3	15	PINE	45	
TOTAL CALIPER INCHES RETAINED ON SITE			283	
TOTAL TREE CREDITS				47



NOTE: THE CRITICAL ROOT ZONE (CRZ) OF A TREE IS WHERE THE MAJORITY OF A TREE'S ROOTS LAY. 85% OF MOST TREE ROOTS ARE FOUND IN THE TOP 24" OF THE SOIL AND SUPPLY THE MAJORITY OF NUTRIENTS AND WATER. GENERALLY, ROOTS SPREAD OUT 2-3X THE HEIGHT OF THE TREE.

NOTE: CROWN OF THE TREE IS NEEDED FOR LEAF GROWTH TO PRODUCE OXYGEN, FILTER THE AIR, REDUCE WIND AND SOFTEN NOISE. DO NOT DISFIGURE CROWN WITH INTENSIVE PRUNING.

CRZ
DBH
ORANGE SAFETY FENCE OR ORANGE SILT FENCE (TYPICAL)
3" MIN
8" MAX

NOTES:

- PROTECT CRITICAL ROOT ZONE (CRZ) OF TREES PRIOR TO CONSTRUCTION. CLEARLY MARK THE TREES AND ERECT A PROTECTIVE BARRIER AT THE CRZ. BARRIER SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
- CRZ RADIUS IS 1 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH).
- IF CONSTRUCTION OCCURS WITHIN THE CRZ, AT LEAST 12" OF MULCH AND/OR LOGGING MATS SHALL BE PLACED WHERE MACHINERY MANEUVERS TO REDUCE SOIL COMPACTION IN THIS ZONE.
- WHERE SIDEWALKS AND PATHWAYS PASS WITHIN CRZ, EXTRA CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ROOTS. ALTERNATE CONSTRUCTION METHODS, SUCH AS A REINFORCED SIDEWALK, SHALL BE IMPLEMENTED AS NECESSARY.
- FOR ALL TREES, CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK IS PROHIBITED. DO NOT COMPACT SOIL BENEATH TREES. NO VEHICLE SHALL BE ALLOWED TO PARK UNDER TREES. NO MATERIALS OR EQUIPMENT SHALL BE STORED BENEATH TREES. DAMAGING THE BARK WITH LAWNMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED. CONTRACTOR SHALL REPAIR DAMAGE TO TREES.
- FALLING TO INSTALL OR MAINTAIN PROTECTION MEASURES SHALL RESULT IN A STOP WORK ORDER AND FINE OF \$500/DAY. DISTURBANCE OTHER THAN THAT ALLOWED ON THE APPROVED PLAN WILL REQUIRE OWNER TO POST A LETTER OF CREDIT FOR 3 YRS FOR TREE MITIGATION.

STANDARD DETAIL
TREE PROTECTION DURING CONSTRUCTION
 SHEET 1 of 2

DATE: JAN, 2015
 DRAWN BY: JSR
 CHECKED BY: RDG, P.E.
 SCALE: NOT TO SCALE

CITY OF WILMINGTON
 NORTH CAROLINA
 CITY OF WILMINGTON ENGINEERING
 PO BOX 1810
 WILMINGTON, NC 28402
 (910) 341-7807
 SD 15-09

8" MAX.
VARIABLE AS DIRECTED BY THE ENGINEER
WARNING SIGN
TREE PROTECTION AREA DO NOT ENTER
ZONA PROTECTORA PARA LOS ARBOLES PROHIBIDO ENTRAR
PLASTIC OR WIRE TIES
GRADE

FRONT VIEW

ORANGE, UV RESISTANT HIGH - TENSILE STRENGTH POLY BARRICADE FABRIC (TYPICAL)

STEEL POST
WARNING SIGN
ORANGE, UV RESISTANT HIGH - TENSILE STRENGTH POLY BARRICADE FABRIC (TYPICAL)

SIDE VIEW

3'-0"
2'-0"
40"
18"

TREE PROTECTION AREA DO NOT ENTER
ZONA PROTECTORA PARA LOS ARBOLES PROHIBIDO ENTRAR
WARNING SIGN DETAIL

NOTES:

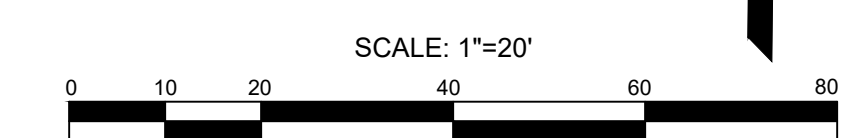
- THE TREE PROTECTION FENCING SHALL NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT WITHOUT APPROVAL FROM URBAN FORESTRY STAFF.
- WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL. LETTERS TO BE 3" HIGH, MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
- SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER. FOR TREE PROTECTION AREAS LESS THAN 100' IN PERIMETER, PROVIDE NO LESS THAN TWO SIGNS PER PROTECTION AREA.
- ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE AND SIGNS THROUGHOUT DURATION OF PROJECT.
- TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION.
- ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF WILMINGTON, BASED ON ACTUAL FIELD CONDITIONS.

STANDARD DETAIL
TREE PROTECTION DURING CONSTRUCTION
 SHEET 2 of 2

DATE: JAN, 2015
 DRAWN BY: JSR
 CHECKED BY: RDG, P.E.
 SCALE: NOT TO SCALE

CITY OF WILMINGTON
 NORTH CAROLINA
 CITY OF WILMINGTON ENGINEERING
 PO BOX 1810
 WILMINGTON, NC 28402
 (910) 341-7807
 SD 15-09

Approved Construction Plan
 Date: 4/13/22
 # 2021060
 SWP #: 2022019
 PO, CW, ES, MB, BM



ISSUED FOR CONSTRUCTION

REVISIONS:

CLIENT INFORMATION:

PARAMOUNTE ENGINEERING, INC.
 122 Cinema Drive
 Wilmington, North Carolina 28403
 (910) 791-6707 (O) (910) 791-6766 (F)
 NC License # C-2846

TREE REMOVAL PLAN

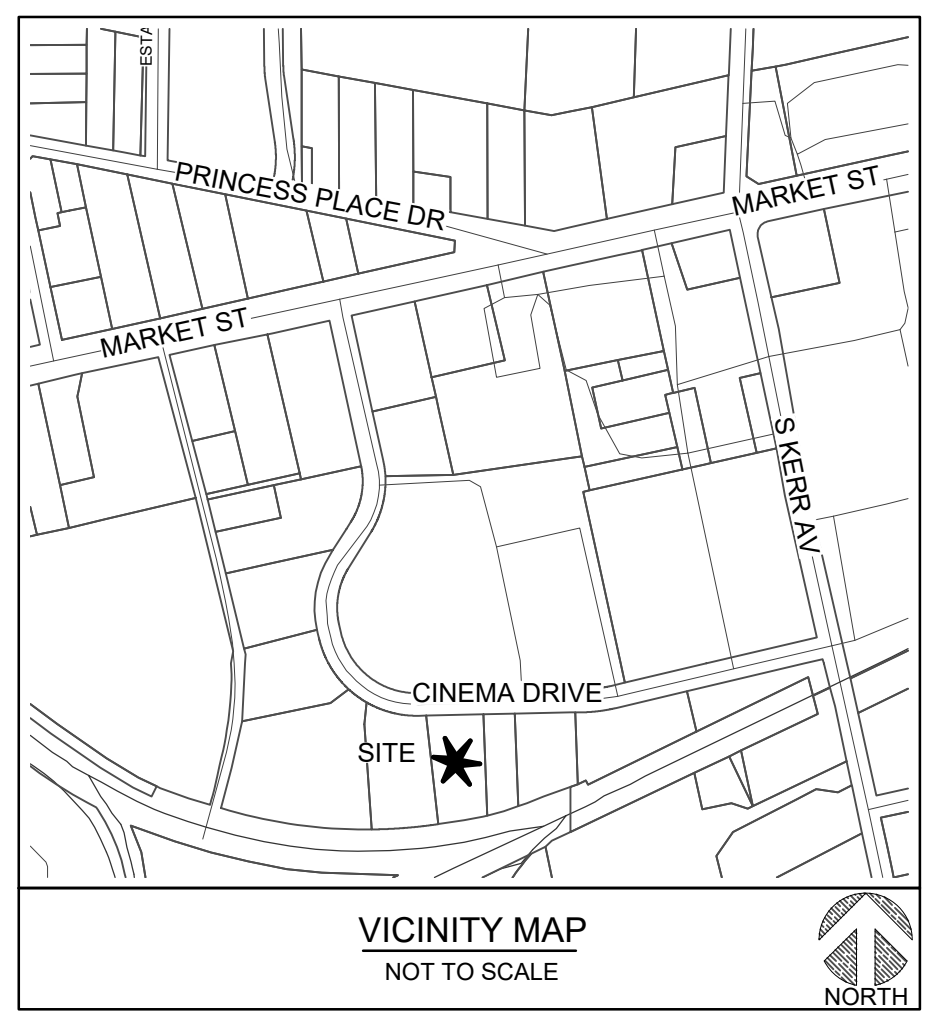
SMILE STRAIGHT ORTHODONTICS
 WILMINGTON
 NORTH CAROLINA

PROJECT STATUS:
 CONCEPT LAYOUT:
 FINAL DESIGN LAYOUT:
 RELEASED FOR CONSTRUCTION

DRAWING INFORMATION:
 DATE: 01/26/22
 SCALE: 1"=20'
 DRAWN BY: JSR
 CHECKED BY: RDG, P.E.

PEI JOB#: 21434.PE

L-1.0



PLANT SCHEDULE				
CANOPY TREES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE
	NO	14	QUERCUS NUTTALLII NUTTALL OAK	2.5' CAL - 8' H
	LO	6	QUERCUS VIRGINIANA SOUTHERN LIVE OAK	2.5' CAL - 8' H
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER
	DYH	96	ILEX VOMITORIA 'NANA' DWARF YAUPON	12" H MIN.
	NFP	42	NANDINA DOMESTICA 'FIRE POWER' FIREPOWER NANDINA	12" H MIN.
	POD	15	PODOCARPUS M. MAKI SHRUBBY YEW PODOCARPUS	4' HT

SITE INFORMATION
PROJECT ADDRESS: 126 CINEMA DRIVE WILMINGTON, NC 28403

OWNER INFORMATION: HENRY HILLS GROUP, LLC 5717 E. THOMAS ROAD, SUITE 100 SCOTTSDALE, AZ 85251

APPLICANT INFORMATION: KIDS DENTAL BRANDS 5717 E. THOMAS ROAD, SUITE 100 SCOTTSDALE, AZ 85251

TAX PARCEL IDENTIFICATION #: R04914-005-019-000
RECORDED DEED BOOK: DB 6458 PG 652

CURRENT ZONING: RB - REGIONAL BUSINESS
EXISTING USE: UNUSED LAND
PROPOSED USE: MEDICAL OFFICE

TOTAL SITE AREA: ± 1.0 AC (± 43,560 SF)
FLOOD INFORMATION: THIS PARCEL IS LOCATED IN FLOOD ZONE X, WHICH IS NOT A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY FEMA FLOOD PANEL 3720313700K, DATED AUGUST 28, 2018

CAMA LAND USE CLASSIFICATION: URBAN
SPECIAL HIGHWAY OVERLAY DISTRICT: THE SITE IS NOT LOCATED IN A SPECIAL HIGHWAY OVERLAY DISTRICT

PROPOSED BUILDING SIZE: ± 5,000 SF
PROPOSED BUILDING HEIGHT: 35'
BUILDING LOT COVERAGE: ± 11.40%

STREETYARD LANDSCAPING (18-477)
STREETYARD FACTOR: 25

	REQUIRED	PROVIDED
CINEMA DRIVE - 127' (152' FRONTAGE - 25' DRIVE) 25 X 127 LF =	3,175 SF	3,175 SF
3,175 / 600 = 5.29	6 TREES	6 TREES
1 TREE / 600 SF =	36 SHRUBS	36 SHRUBS
6 SHRUBS / 600 SF =		

IMPERVIOUS SURFACE (SIDEWALK)
15% MAX (476 SF) 4% (125 SF)

NOTE: SHRUBS IN STREETYARD SHALL BE 12" H. MIN. AT TIME OF PLANTING

INTERIOR AREA LANDSCAPING (18-481)
20% INTERIOR SHADING REQUIRED
CREDIT FOR CANOPY TREES = 707 SF

	REQUIRED	PROVIDED
INTERIOR SHADING REQUIRED 13,550 SF VEHICULAR AREA * 20%	2,710 SF	
CANOPY TREES PROVIDED 14 TREES * 707 SF		9,898 SF
TOTAL INTERIOR SHADING PROVIDED =		9,898 SF (67%)

PERIMETER LANDSCAPING (18-482)
1 TREE REQUIRED / 27 LF

	REQUIRED	PROVIDED
EAST SIDE (130 CINEMA DRIVE) 170 LF / 27	6 TREES	6 TREES
WEST SIDE (122 CINEMA DRIVE) 58.5 LF / 27	2 TREES	2 TREES

FOUNDATION PLANTING (18-490)

	REQUIRED	PROVIDED
SOUTH BUILDING FACE 50 x 16 x 12%	96 SF	200 SF
EAST BUILDING FACE 90 x 16 x 12%	173 SF	280 SF

OVERALL SITE TREE PLANTING REQUIREMENTS
15 TREES / ACRE REQUIRED

	REQUIRED	PROVIDED
1.0 AC X (15) 2.5" TREES / AC	15 TREES	
REQUIRED MITIGATION TREES	0 TREES	
15 TOTAL		15 TOTAL

TREE PLANTING (BUFFER, STREETYARD, PARKING LOT)
RETAINED TREE CREDIT: 27 TREES / 47 TREES / 74 TREES TOTAL

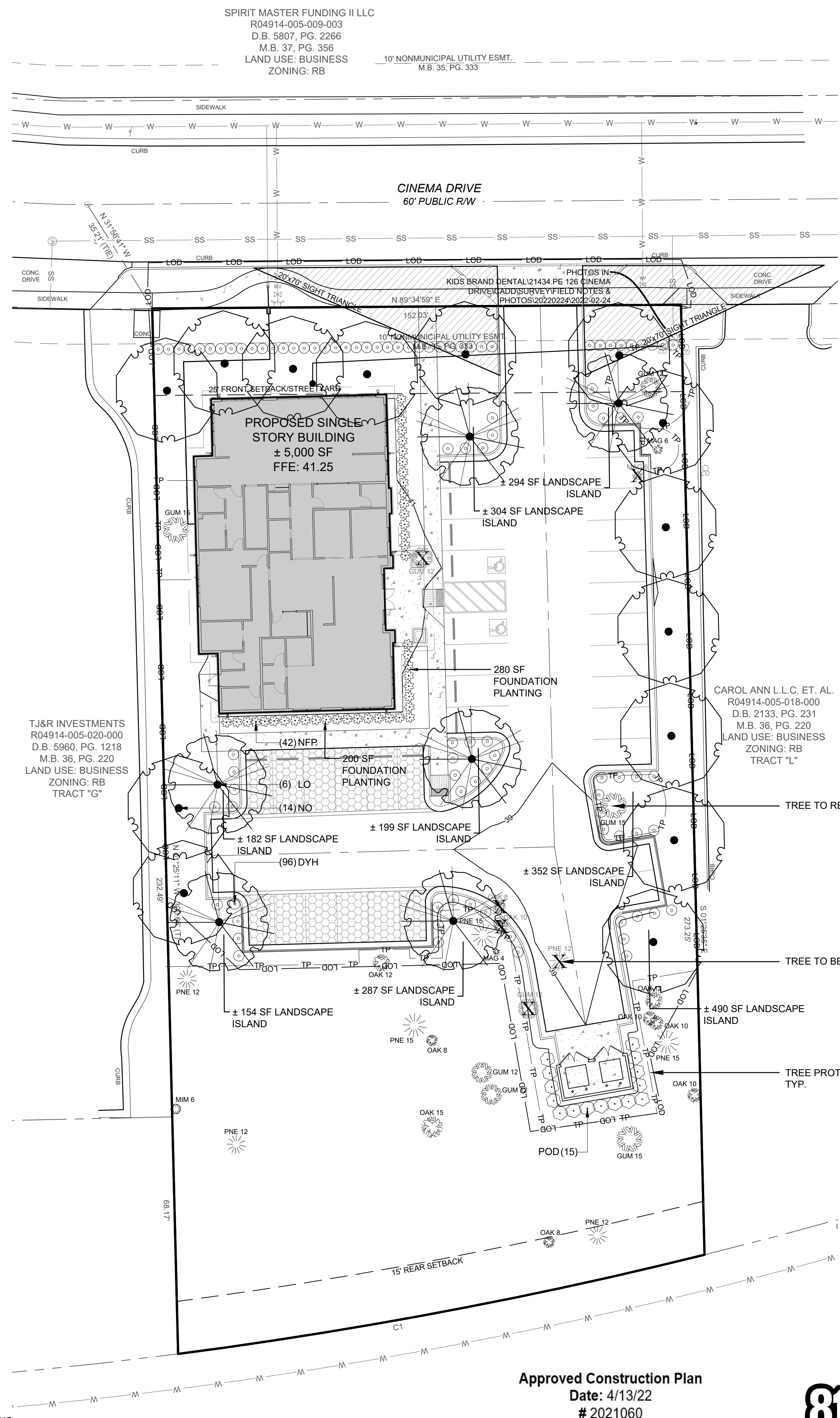
- GENERAL NOTES:**
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
 - ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS.
 - ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT OF WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
 - ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET.
 - ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
 - A LANDSCAPE PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAT.
 - CONTACT 811 PRIOR TO CONTACTING CITY OF WILMINGTON, TRAFFIC ENGINEERING REGARDING THE UTILITIES IN RIGHT OF WAY.
 - THERE WILL BE NO SOLID WASTE DISPOSAL ON SITE
 - CONTRACTOR SHALL MAINTAIN AN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION
 - LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE THE FDC OR FIRE HYDRANTS. A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT AND FDC
 - ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT
 - CONTRACTOR SHALL SUBMIT A RADIO SIGNAL STRENGTH STUDY FOR ALL COMMERCIAL BUILDINGS THAT DEMONSTRATES THAT EXISTING EMERGENCY RESPONDER RADIO SIGNAL LEVELS MEET SECTION 510 REQUIREMENTS OF THE 2018 NC FIRE CODE
 - NEW HYDRANTS MUST BE BROUGHT INTO SERVICE PRIOR TO COMBUSTIBLE MATERIALS DELIVERED TO THE JOB SITE

SIGHT DISTANCE TRIANGLES:
IN ORDER TO MAINTAIN AN ACCEPTABLE AND SAFE LINE OF SIGHT FOR MOTOR VEHICLE DRIVERS, NO PARKING SPACES, FENCES, WALLS, POSTS, LIGHTS, SHRUBS, TREES OR OTHER TYPE OF OBSTRUCTIONS NOT SPECIFICALLY EXEMPTED SHALL BE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND ABOVE GROUND LEVEL AND TEN (10) FEET ABOVE GROUND LEVEL WITHIN THE TRIANGULAR SIGHT DISTANCE.

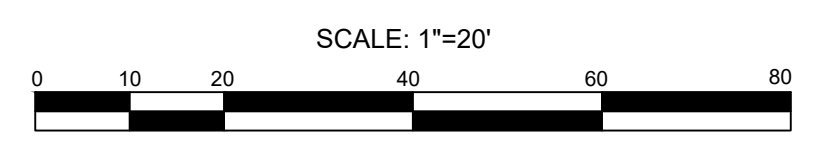
THE FOLLOWING SIGHT DISTANCE TRIANGLE IS SHOWN ON THE PLAN:
CITY OF WILMINGTON (SEC. 18-812)
AT THE INTERSECTION OF A STREET WITH A DRIVEWAY DETERMINED BY MEASURING A DISTANCE OF TWENTY (20) FEET ALONG THE SIDE OF SAID DRIVEWAY AT THE PROPERTY LINE AND SEVENTY (70) FEET ALONG THE CURB LINE OF THE STREET

FIRE & LIFE SAFETY NOTES:

- CONTRACTOR SHALL MAINTAIN AN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION
- LANDSCAPE OR PARKING CANNOT BLOCK OR IMPEDE FIRE HYDRANTS. A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF HYDRANTS
- ADDITIONAL FIRE PROTECTION AND/OR ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT
- CONTRACTOR SHALL SUBMIT A RADIO SIGNAL STRENGTH STUDY FOR ALL COMMERCIAL BUILDINGS THAT DEMONSTRATES THAT EXISTING EMERGENCY RESPONDER RADIO SIGNAL LEVELS MEET THE REQUIREMENTS OF SECTION 510 OF THE 2018 NC FIRE CODE



Approved Construction Plan
Date: 4/13/22
2021060
SWP #: 2022019
PO, CW, ES, MB, BM



REVISIONS:

CLIENT INFORMATION:
KIDS DENTAL BRANDS
5717 E. THOMAS ROAD, SUITE 100
SCOTTSDALE, AZ 85251

PARAMOUNT ENGINEERING
122 Cinema Drive
Wilmington, North Carolina 28403
(910) 791-6707 (O) (910) 791-6760 (F)
NC License #: C-2846

LANDSCAPE PLAN
SMILE STRAIGHT ORTHODONTICS
WILMINGTON
NORTH CAROLINA

PROJECT STATUS:
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
RELEASED FOR CONST:

DRAWING INFORMATION:
DATE: 04.11.22
DESIGNED: JRC
DRAWN: JRC
CHECKED: JRC

ISSUED FOR CONSTRUCTION

L-2.0

PEI JOB#: 21434.PE