

SMILE STRAIGHT ORTHODONTICS

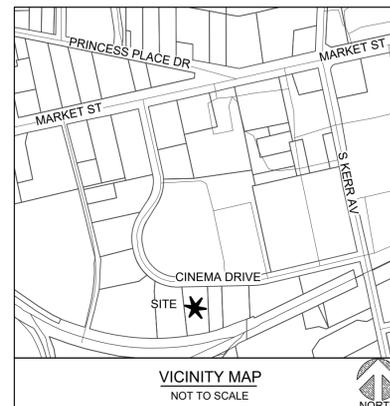
126 CINEMA DRIVE
WILMINGTON, NORTH CAROLINA

DESIGN DRAWINGS

NOVEMBER 2021
JANUARY 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: 1-800-452-2777

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

JANUARY 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-4.3 | 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

| Name | Date |
|----------------|------|
| Planning _____ | |
| Traffic _____ | |
| Fire _____ | |

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

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

| Required Ground Stabilization Timeframes | | |
|--|---|---|
| Site Area Description | Stabilize within this many calendar days after ceasing land disturbance | Timeframe variations |
| (a) Perimeter dikes, swales, ditches, and perimeter slopes | 7 | None |
| (b) High Quality Water (HQW) Zones | 7 | None |
| (c) Slopes steeper than 3:1 | 7 | If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed. |
| (d) Slopes 3:1 to 4:1 | 14 | -7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed |
| (e) Areas with slopes flatter than 4:1 | 14 | -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope |

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

| Temporary Stabilization | Permanent Stabilization |
|---|--|
| <ul style="list-style-type: none"> Temporary grass seed covered with straw or other mulches and tackifiers Hydroseeding Roller erosion control products with or without temporary grass seed Appropriately applied straw or other mulch Plastic sheeting | <ul style="list-style-type: none"> Permanent grass seed covered with straw or other mulches and tackifiers Geotextile fabrics such as permanent soil reinforcement matting Hydroseeding Shrubs or other permanent plantings covered with mulch Uniform and evenly distributed ground cover sufficient to restrain erosion Structural methods such as concrete, asphalt or retaining walls Roller erosion control products with grass seed |

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated Stormwater before discharging offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g. dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

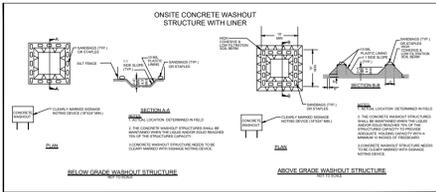
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.



CONCRETE WASHOUTS

- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
- Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

- Create designated hazardous waste collection areas on-site.
- Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the ground.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/19

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

| Inspect | Frequency (during normal business hours) | Inspection records must include: |
|--|--|--|
| (1) Rain gauge maintained in good working order | Daily | Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division. |
| (2) E&S Measures | At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours | 1. Identification of the measures inspected. 2. Date and time of the inspection. 3. Name of the person performing the inspection. 4. Indication of whether the measures were operating properly. 5. Description of maintenance needs for the measure. 6. Description, evidence, and date of corrective actions taken. |
| (3) Stormwater discharge outfalls (SDOs) | At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours | 1. Identification of the discharge outfall's inspected. 2. Date and time of the inspection. 3. Name of the person performing the inspection. 4. Evidence of indicators of stormwater pollution such as oil, silt, scum, floating or suspended solids or discoloration. 5. Indication of visible sediment leaving the site. 6. Description, evidence, and date of corrective actions taken. |
| (4) Perimeter of site | At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours | If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits. 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases. |
| (5) Streams or wetlands onsite or offsite (where accessible) | At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours | If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Record of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit of this permit. |
| (6) Ground stabilization measures | After each phase of grading | 1. The phases of grading/installation of perimeter E&S measures, clearing and grubbing, installation of storm drainage facilities, completion of any land disturbing activity, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible. |

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&S Plan Documentation
The approved E&S plan as well as any approved deviation shall be kept on the site. The approved E&S plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&S plan shall be documented in the manner described:

| Item to Document | Documentation Requirements |
|---|---|
| (a) Each E&S Measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&S Plan. | Initial and date each E&S Measure on a copy of the approved E&S Plan or complete, date and sign an inspection report that lists each E&S Measure shown on the approved E&S Plan. This documentation is required upon the initial installation of the E&S Measures or if the E&S Measures are modified after initial installation. |
| (b) A phase of grading has been completed. | Initial and date a copy of the approved E&S Plan or complete, date and sign an inspection report to indicate completion of the construction phase. |
| (c) Ground cover is located and installed in accordance with the approved E&S Plan. | Initial and date a copy of the approved E&S Plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications. |
| (d) The maintenance and repair requirements for all E&S Measures have been performed. | Complete, date and sign an inspection report. |
| (e) Corrective actions have been taken to E&S Measures. | Initial and date a copy of the approved E&S Plan or complete, date and sign an inspection report to indicate the completion of the corrective action. |

2. Additional Documentation
In addition to the E&S Plan documents above, the following items shall be kept on the site and available for agency inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

- This general permit as well as the certificate of coverage, after it is received.
- Records of inspections made during the previous 30 days. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.
- All data used to complete the Notice of Intent and older inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. Occurrences that must be reported

- Permittees shall report the following occurrences:
- Visible sediment deposition in a stream or wetland.
 - Oil spills if:
 - They are 25 gallons or more,
 - They are less than 25 gallons but cannot be cleaned up within 24 hours,
 - They cause sheen on surface waters (regardless of volume), or
 - They are within 100 feet of surface waters (regardless of volume).
 - Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.
 - Anticipated bypasses and unanticipated bypasses.
 - Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at (800) 662-7956, (800) 858-0368 or (919) 733-3300.

| Occurrence | Reporting Timeframes (After Discovery) and Other Requirements |
|--|--|
| (a) Visible sediment deposition in a stream or wetland | <ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis. If the stream is named on the NC-303(d) list as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions. |
| (b) Oil spills and release of hazardous substances per Item 3(b)-(c) above | <ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release. |
| (c) Anticipated bypasses [40 CFR 122.41(m)(3)] | <ul style="list-style-type: none"> A report at least ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass. |
| (d) Unanticipated bypasses [40 CFR 122.41(m)(3)] | <ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass. |
| (e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(i)(7)] | <ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. [40 CFR 122.41(i)(6)]. Division staff may waive the requirement for a written report on a case-by-case basis. |

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19

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) 791-6766 (F)
NC License #: C-2846

NPDES NCG01 NOTES
SMILE STRAIGHT ORTHODONTICS
WILMINGTON
NORTH CAROLINA

PROJECT STATUS:
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
RELEASED FOR CONSTRUCTION:
DRAWING INFORMATION:
DATE DESIGNED:
DATE CHECKED:
DATE ASB DRAWN:
DATE ASB REVISION:

Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

Fire _____



Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____

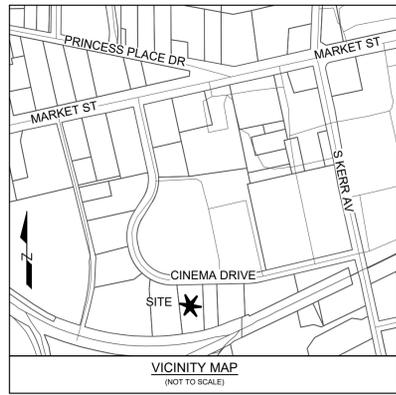
Signed: _____

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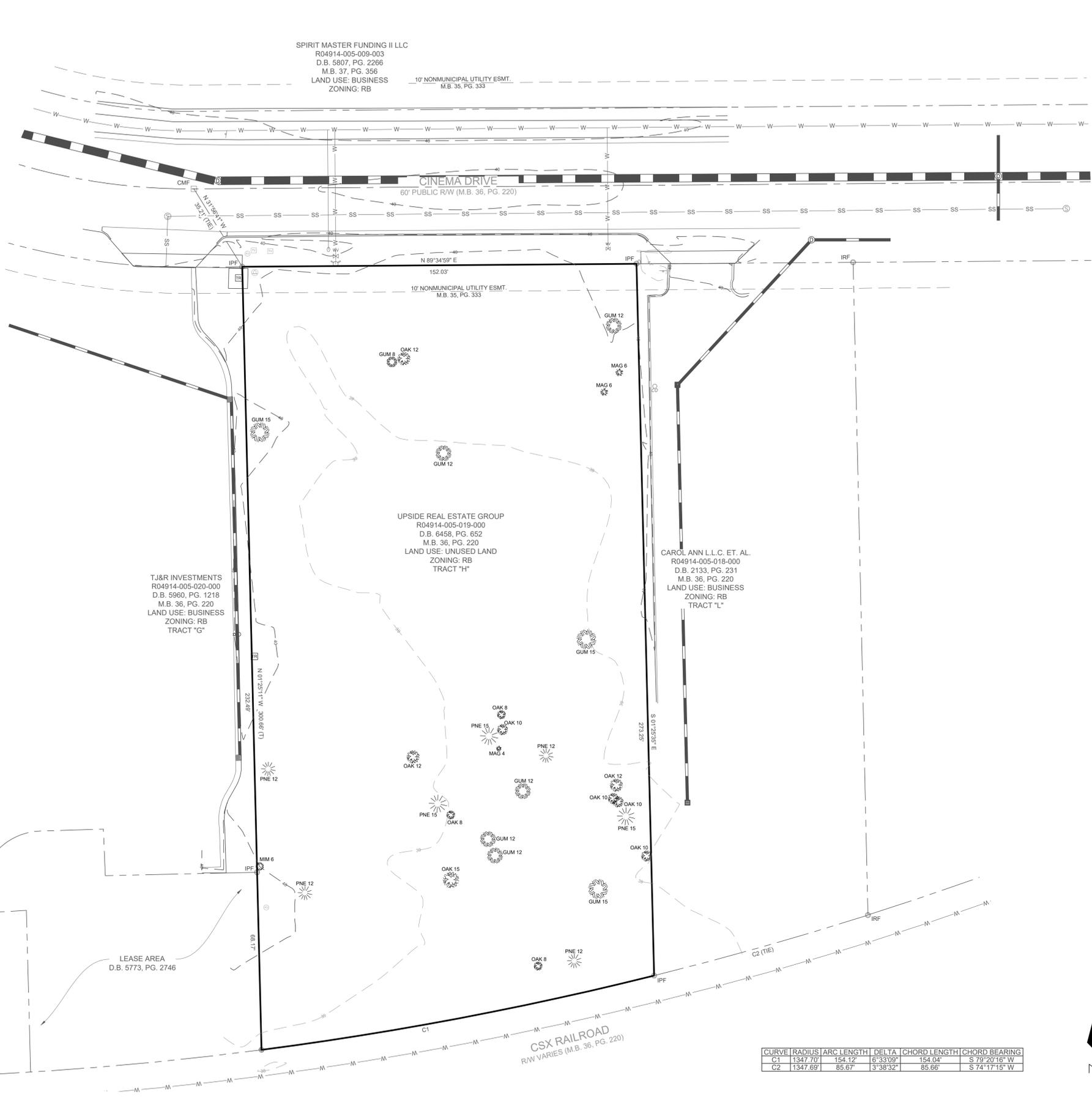
C-1.1

PEI JOB#: 21434.PE

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION



SPIRIT 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



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

1. AREA CALCULATED BY COORDINATE METHOD.
2. 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.
3. 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.
4. 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.
5. THIS LOT IS SUBJECT TO ALL UTILITY EASEMENTS, RESTRICTIONS, OR COVENANTS OF RECORD.
6. 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

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

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"

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 | 8/20/21 | SCJ | JWT |
| CONCEPT LAYOUT | | | |
| FINAL DESIGN LAYOUT | | | |
| RELEASED FOR CONSTRUCTION | | | |
| DRAWING INFORMATION | | | |
| DATE: | 8/20/21 | | |
| SCALE: | 1"=20' | | |
| DRAWN BY: | SCJ | | |
| CHECKED: | JWT | | |

SEAL
 PRELIMINARY DRAWING
 DO NOT USE FOR
 CONSTRUCTION,
 RECORDATION,
 CONVEYANCES, OR
 SALES.

SHEET 1 OF 1

PEI JOB#: 21434.PE

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., _____.

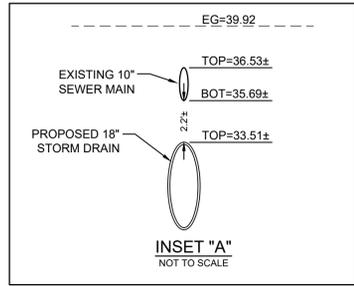
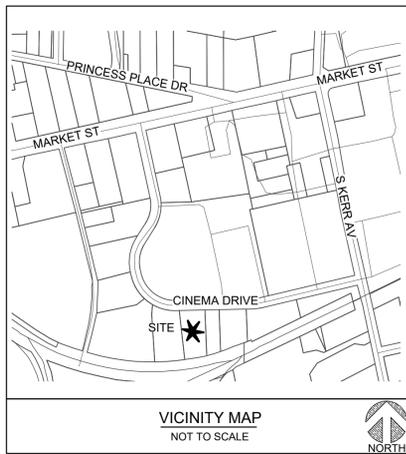
I, JOSHUA W. TAYLOR, CERTIFY THAT THIS SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND OR ONE OR MORE EXISTING EASEMENTS AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.

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

| 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 |

SCALE: 1"=20'





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

OWNER INFORMATION: UPSIDE REAL ESTATE 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

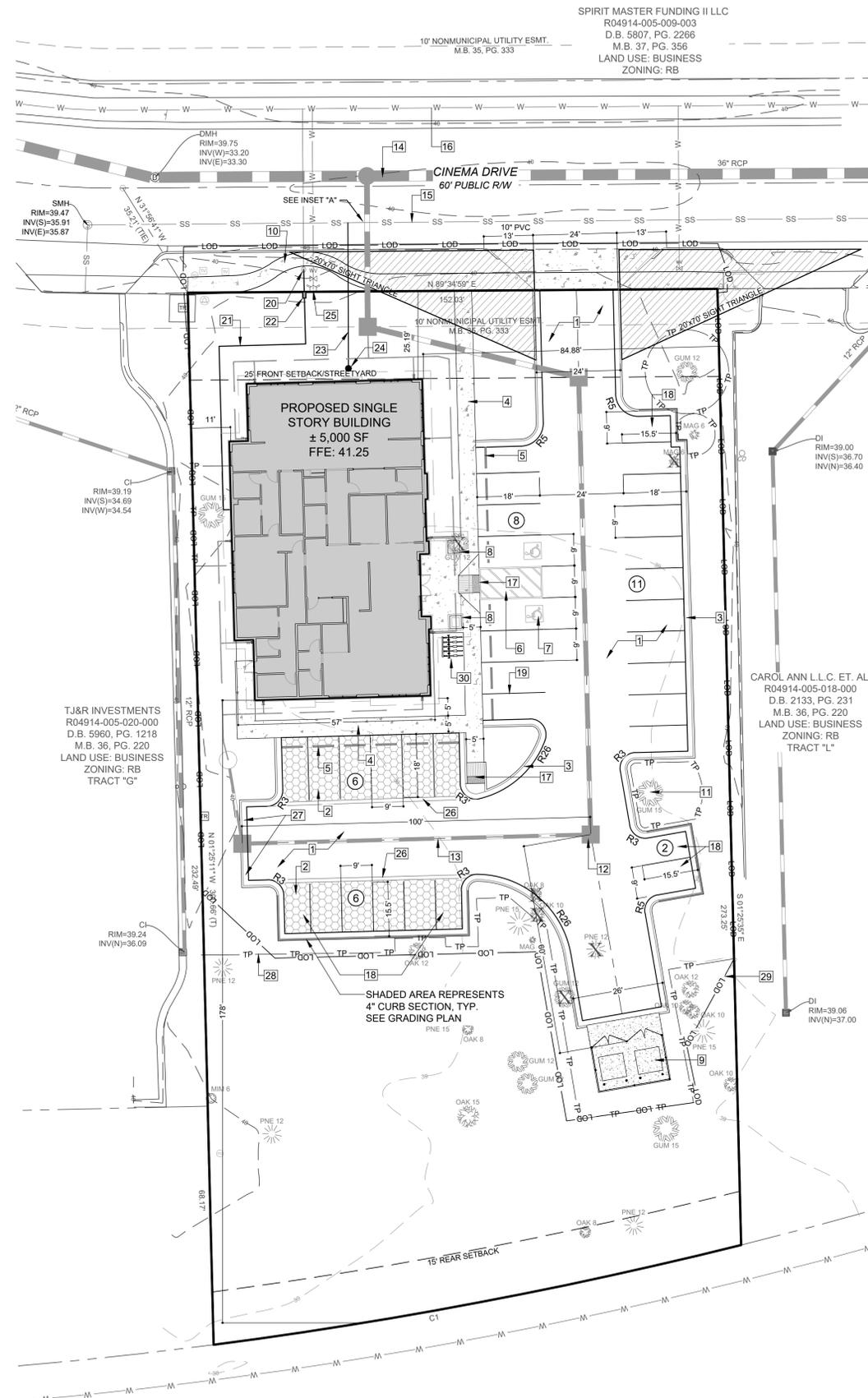
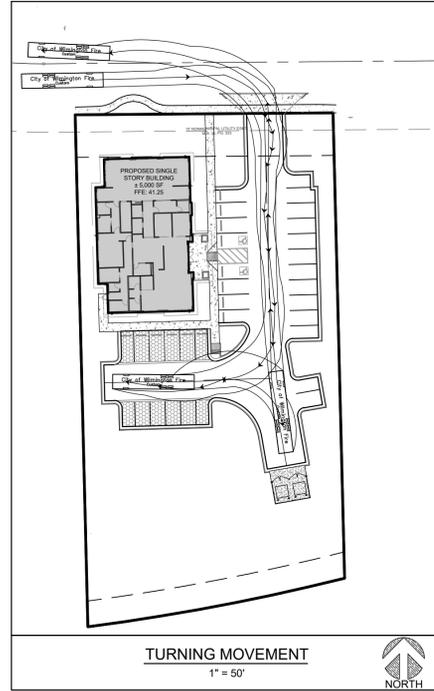
DIMENSIONAL REQUIREMENTS
 RB - REGIONAL BUSINESS
 - MINIMUM LOT AREA: 1 ACRE
 - MINIMUM LOT WIDTH: 100'
 - MAXIMUM LOT COVERAGE: 40%
 - MINIMUM FRONT SETBACK: 20'
 - MINIMUM REAR SETBACK: 15', 25' WHEN ABUTTING RESIDENTIAL USE
 - MINIMUM INTERIOR SIDE SETBACK: 0', 20' WHEN ABUTTING RESIDENTIAL USE
 -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



- 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 | EXISTING WATER METER |
| 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.=36.15 [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 |

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 |

***PARKING IN EXCESS OF THE MAXIMUM ALLOWED NUMBER OF SPACES MUST BE APPROVED BY THE CITY'S TECHNICAL REVIEW COMMITTEE BASED ON DATA SHOWING NEED. APPLICANT TO PROVIDE PARKING DEMAND DATA.**

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.

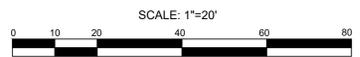
GENERAL NOTES:
 1. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
 2. ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS
 3. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT OF 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

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.



REVISIONS:

CLIENT INFORMATION:

PARAMOUNT ENGINEERING

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

SITE AND UTILITY PLAN

SMILE STRAIGHT ORTHODONTICS
 WILMINGTON
 NORTH CAROLINA

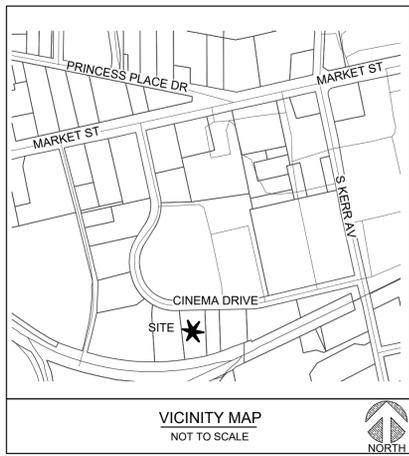
PROJECT STATUS:
 CONCEPTUAL LAYOUT:
 FINAL DESIGN LAYOUT:
 RELEASED FOR CONSTRUCTION

DRAWING INFORMATION
 DATE: 01-24-22
 SCALE: 1"=20'
 DRAWING NO: C-2.0
 CHECKED: [Signature]

C-2.0

PEI JOB#: 21434.PE

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION



- 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.

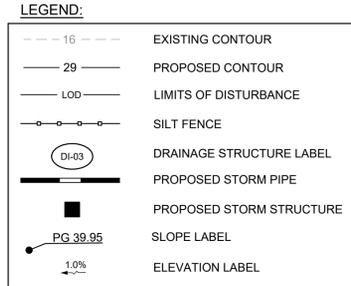
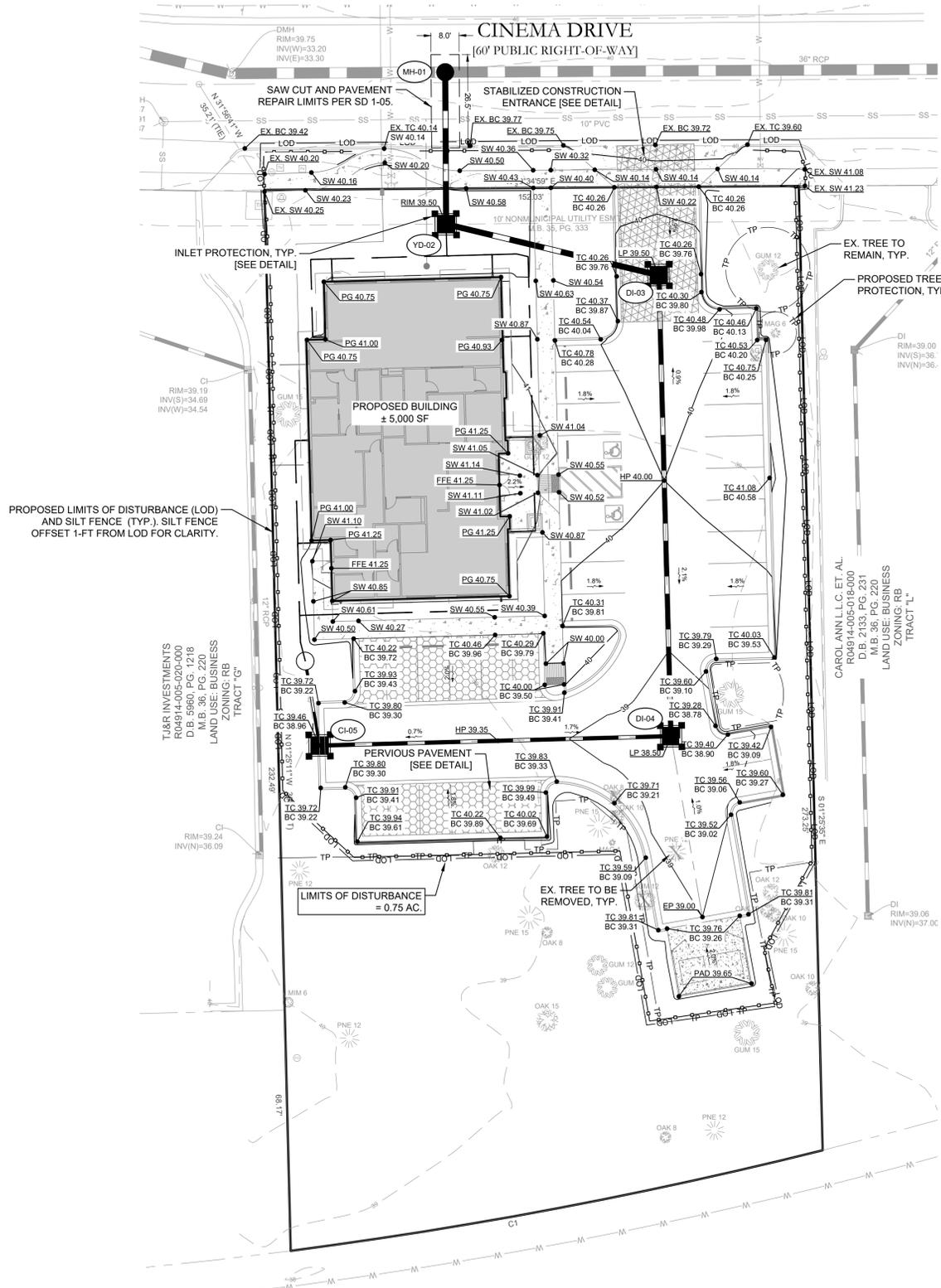
- ASPHALT AREA NOTE:**
- 1) SITE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL AND PROVIDE CUT/FILL OPERATIONS TO PROVIDE A COMPACTED CONTROLLED SUBGRADE, IN ACCORDANCE WITH THE SUBSURFACE GEOTECHNICAL EXPLORATION AND TECHNICAL SPECIFICATIONS.

- 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 |



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

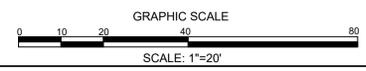
Name _____ Date _____

Planning _____

Traffic _____

Fire _____

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



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

| | |
|--|--|
| | |
| | |
| | |

CLIENT INFORMATION:

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

GRADING-DRAINAGE-EC PLAN

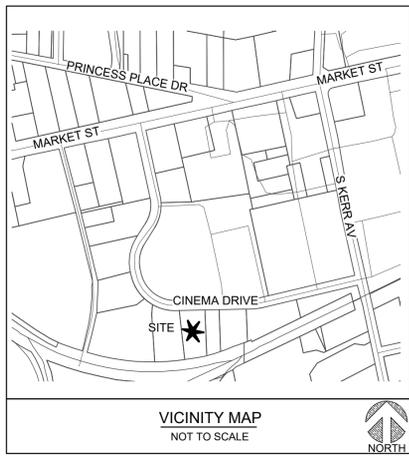
SMILE STRAIGHT ORTHODONTICS
WILMINGTON
NORTH CAROLINA

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

DRAWING INFORMATION:
DATE: 01.12.20
SCALE: 1"=20'
DRAWN BY: ASB
CHECKED: RBE

C-3.0

PEI JOB#: 21434.PE

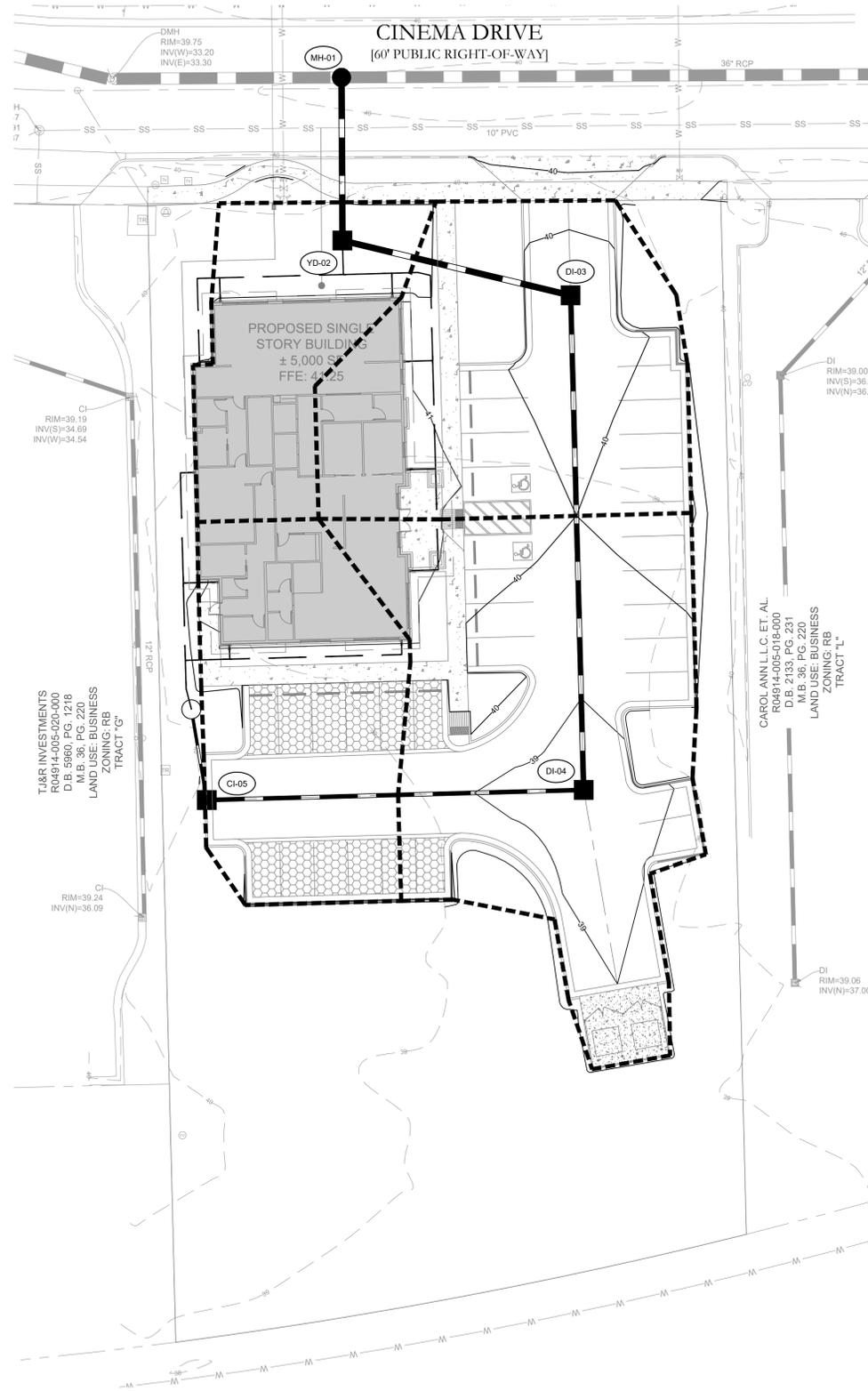


INLET DA TABLE:

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
- LOD --- LIMITS OF DISTURBANCE
- S --- 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

Name _____ Date _____

Planning _____

Traffic _____

Fire _____

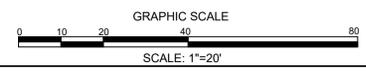
CITY OF WILMINGTON
NORTH CAROLINA

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

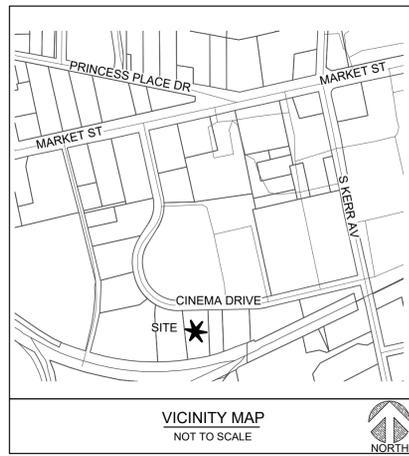
Date: _____ Permit # _____

Signed: _____



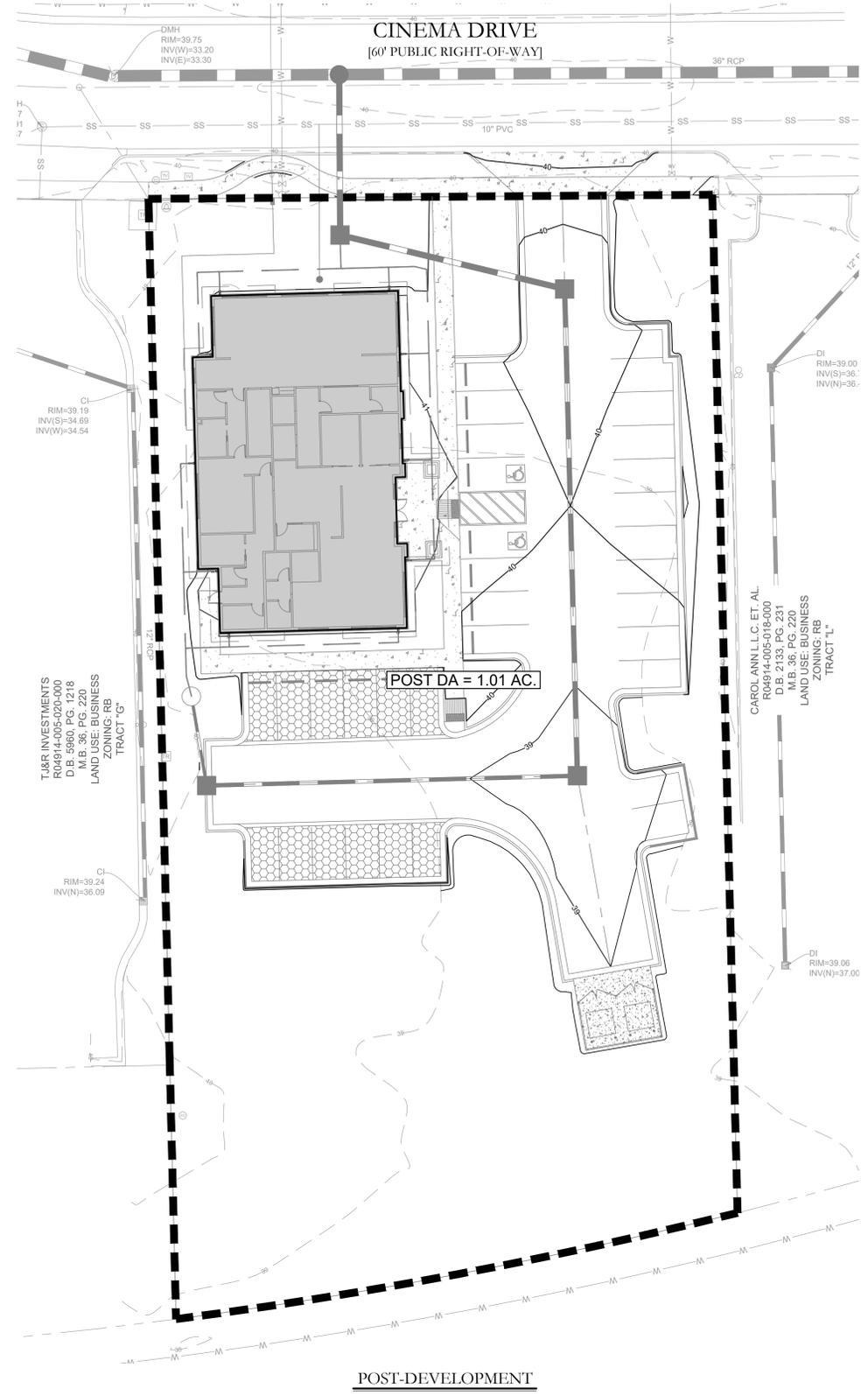
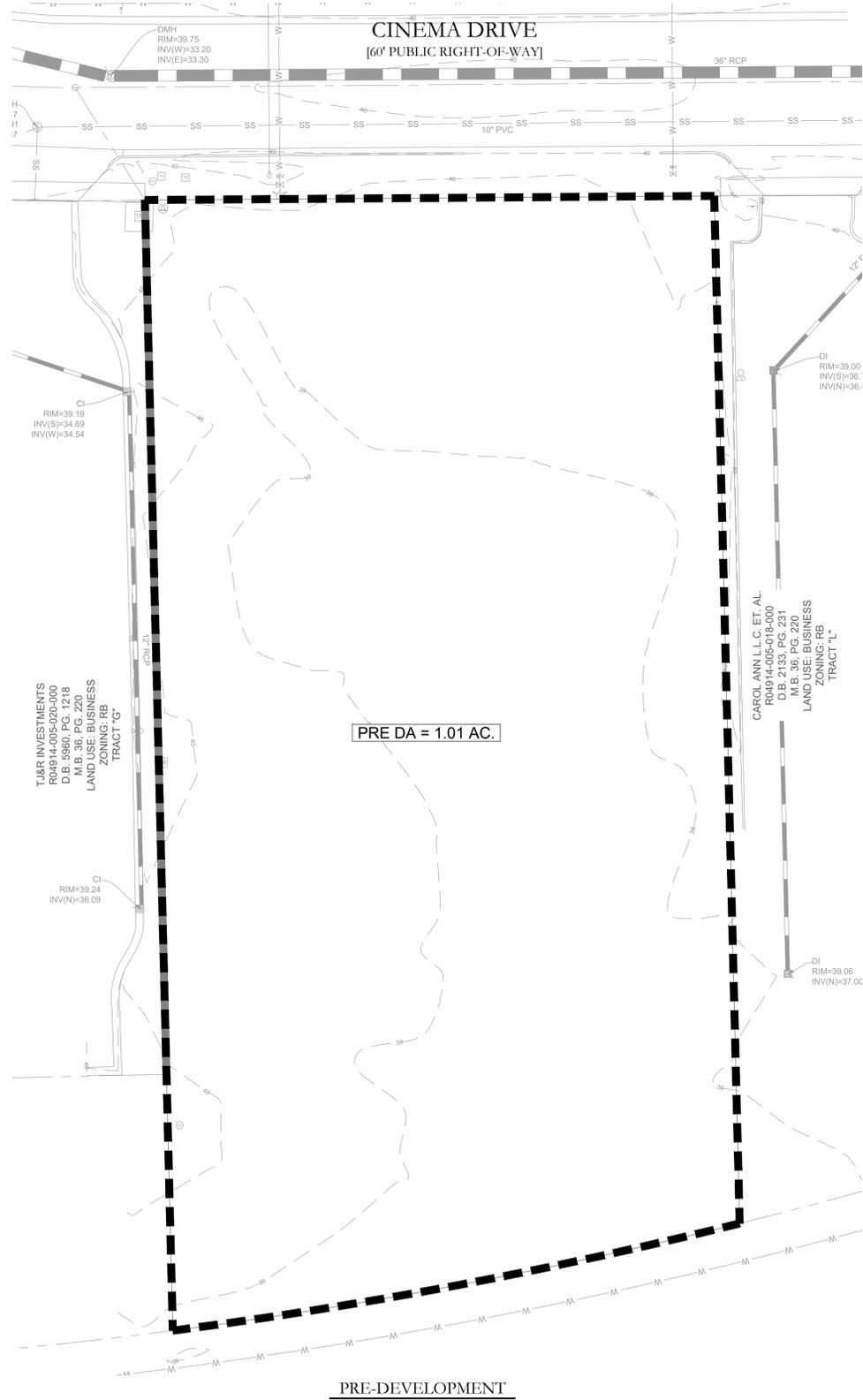
FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

| | | | |
|---|--|---|---|
| <p>PROJECT STATUS</p> <p>CONCEPTUAL LAYOUT: _____</p> <p>FINAL DESIGN LAYOUT: _____</p> <p>RELEASED FOR CONSTRUCTION: _____</p> | <p>DRAWING INFORMATION</p> <p>DATE: 01/26/21</p> <p>SCALE: 1"=20'</p> <p>DRAWN BY: ASR</p> <p>CHECKED: RRE</p> | <p>CLIENT INFORMATION:</p> <p>KIDS DENTAL BRANDS 5717 E. THOMAS ROAD, SUITE 100 SCOTTSDALE, AZ 85251</p> | <p>PARAMOUNTE ENGINEERING INC.</p> <p>122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6766 (F) NC License #: C-2846</p> |
| <p>INLET DRAINAGE AREAS</p> <p>SMILE STRAIGHT ORTHODONTICS WILMINGTON NORTH CAROLINA</p> | | <p>C-3.1</p> <p>PEI JOB#: 21434.PE</p> | |



LEGEND:

| | |
|------------|--------------------------|
| --- 16 --- | EXISTING CONTOUR |
| --- 29 --- | 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.

Approved Construction Plan

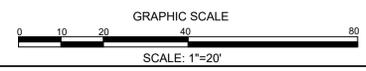
| | |
|----------|------|
| Name | Date |
| Planning | |
| Traffic | |
| Fire | |

WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

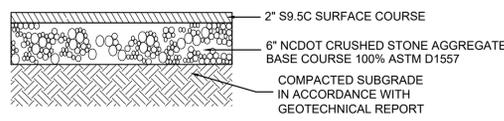
Date: _____ Permit # _____

Signed: _____

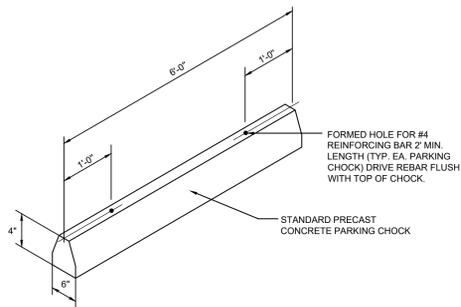


FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

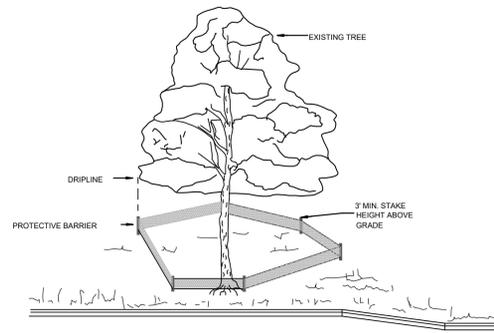
| | |
|---|--|
| <p>PROJECT STATUS</p> <p>CONCEPTUAL LAYOUT: _____</p> <p>FINAL DESIGN LAYOUT: _____</p> <p>RELEASED FOR CONSTRUCTION: _____</p> | <p>CLIENT INFORMATION:</p> <p>KIDS DENTAL BRANDS 5717 E. THOMAS ROAD, SUITE 100 SCOTTSDALE, AZ 85251</p> |
| <p>DRAINAGE AREA MAPS</p> <p>SMILE STRAIGHT ORTHODONTICS WILMINGTON NORTH CAROLINA</p> | <p>PARAMOUNT ENGINEERING INC.</p> <p>122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6766 (F) NC License #: C-2846</p> |
| <p>DRAWING INFORMATION</p> <p>DATE: 01-26-22</p> <p>SCALE: 1"=20'</p> <p>DRAWN BY: ASR</p> <p>CHECKED: RRE</p> | <p>C-3.3</p> <p>PEI JOB#: 21434.PE</p> |



LIGHT DUTY ASPHALT PAVING SECTION
NOT TO SCALE

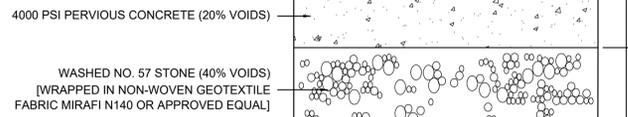


WHEEL STOP
NOT TO SCALE

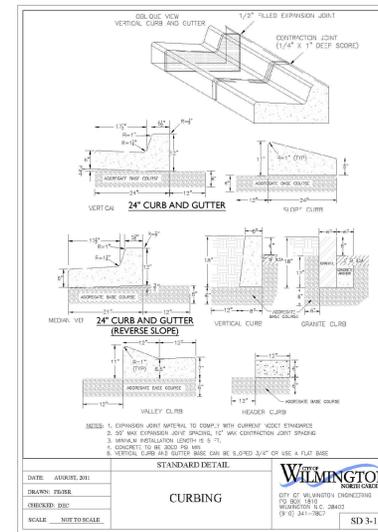


NOTE:
TREES TO BE SAVED WILL BE CLEARLY MARKED PRIOR TO CONSTRUCTION AND A PROTECTIVE BARRIER IS TO BE INSTALLED AT THE DRIP LINE.
DRIP LINE - THE AREA OF SOIL DIRECTLY BENEATH THE TREE EXTENDING OUT TO THE TIPS OF THE OUTERMOST BRANCHES.

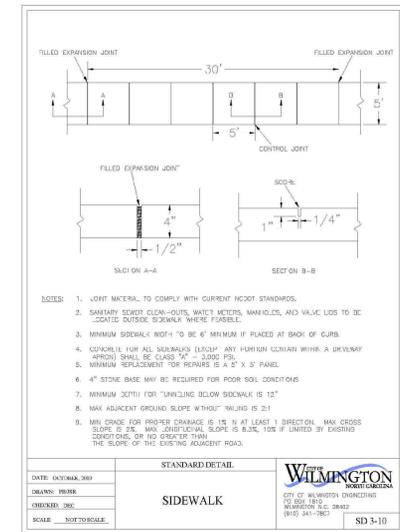
METHOD OF TREE PROTECTION DURING CONSTRUCTION
NOT TO SCALE



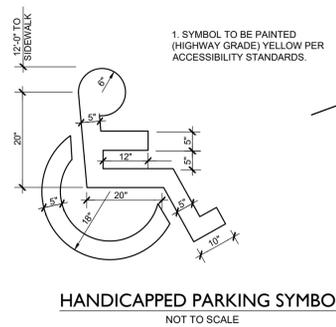
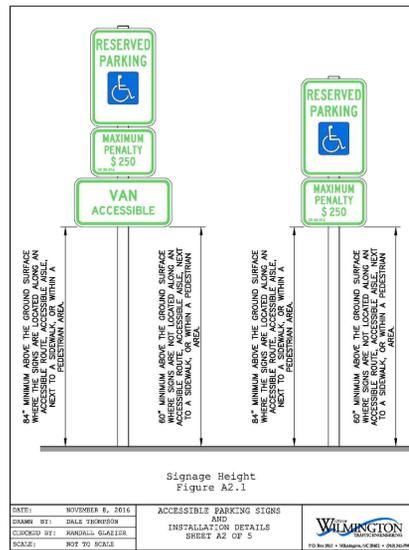
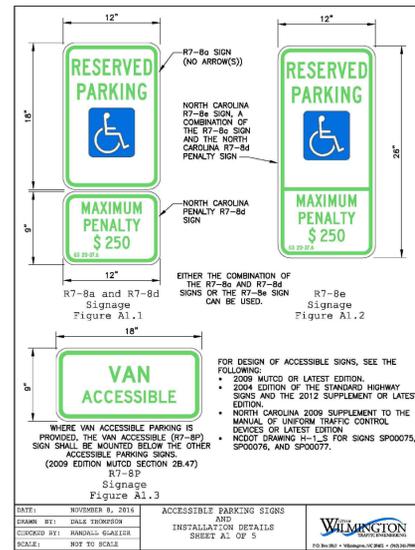
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NOT TO SCALE



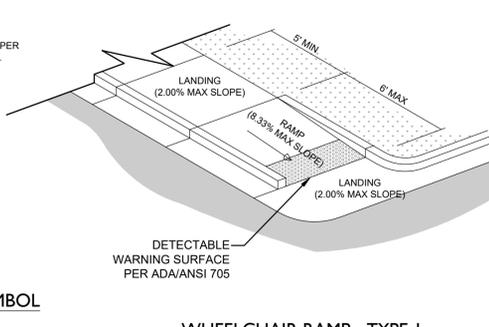
STANDARD DETAIL
CURBING
WILMINGTON ENGINEERING
CITY OF WILMINGTON ENGINEERING
100 S. 1ST ST.
WILMINGTON, NC 28403
910.341.7862
SD 3-11



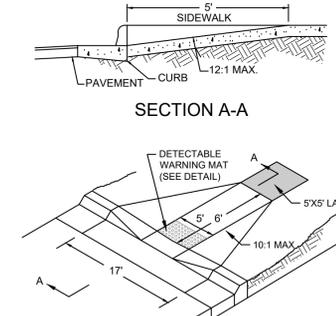
STANDARD DETAIL
SIDEWALK
WILMINGTON ENGINEERING
CITY OF WILMINGTON ENGINEERING
100 S. 1ST ST.
WILMINGTON, NC 28403
910.341.7862
SD 3-10



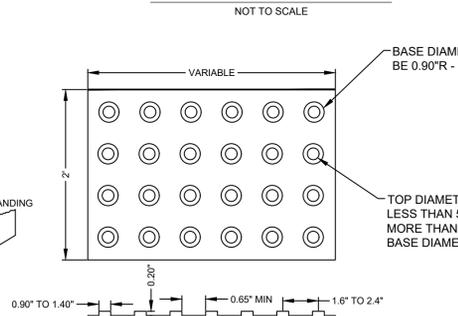
HANDICAPPED PARKING SYMBOL
NOT TO SCALE



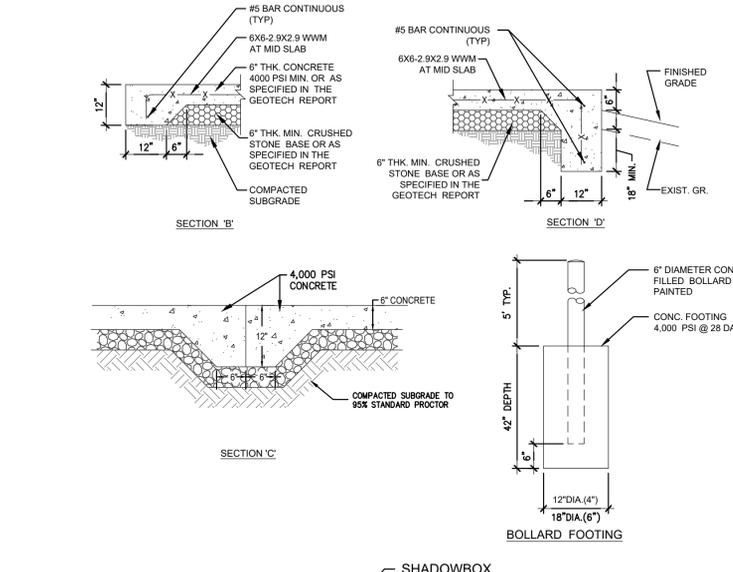
WHEELCHAIR RAMP - TYPE I
NOT TO SCALE



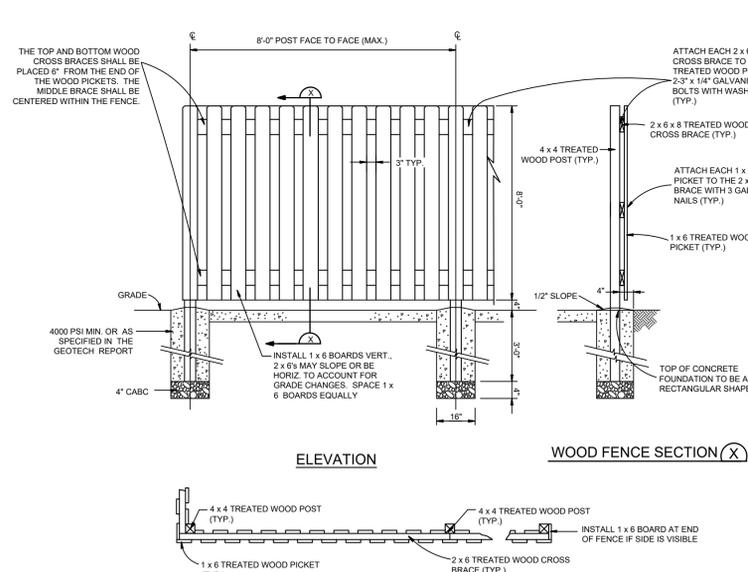
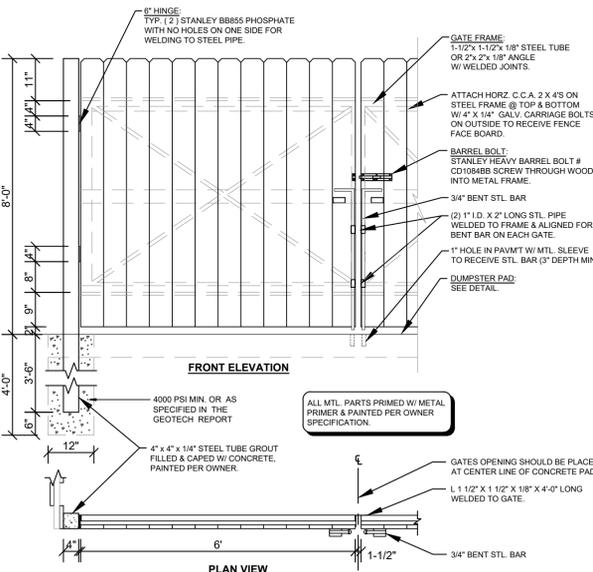
TYPE 2 - WHEELCHAIR RAMP (DROP CURB)
NOT TO SCALE



DETECTABLE WARNING MAT
NOT TO SCALE



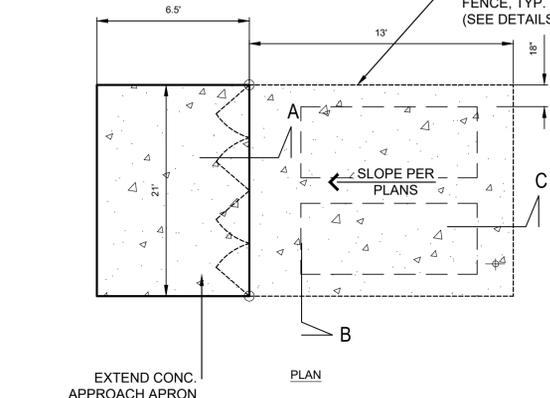
BOLLARD FOOTING



FENCING NOTES AND SPECIFICATIONS

- 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:
 - POSTS AND FRAMING - POST SPACING SHALL NOT EXCEED EIGHT FEET (8').
 - 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.
 - 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.
 - 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).
 - 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.
 - 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").
 - 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.
 - THE TOPS OF THE COVER BOARDS SHALL BE CUT AS DOG EAR (CORNERS CUT OFF AT 45 DEGREE ANGLES).

NOTES:
1. SEE FENCING NOTES, THIS SHEET.
SHADOW BOX FENCE AND GATE DETAILS
NOT TO SCALE



DUMPSTER PAD DETAILS
NOT TO SCALE

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

| Name | Date |
|----------|------|
| Planning | |
| Traffic | |
| Fire | |

WILMINGTON NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____
Signed: _____

REVISIONS:

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
| | | |
| | | |
| | | |

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

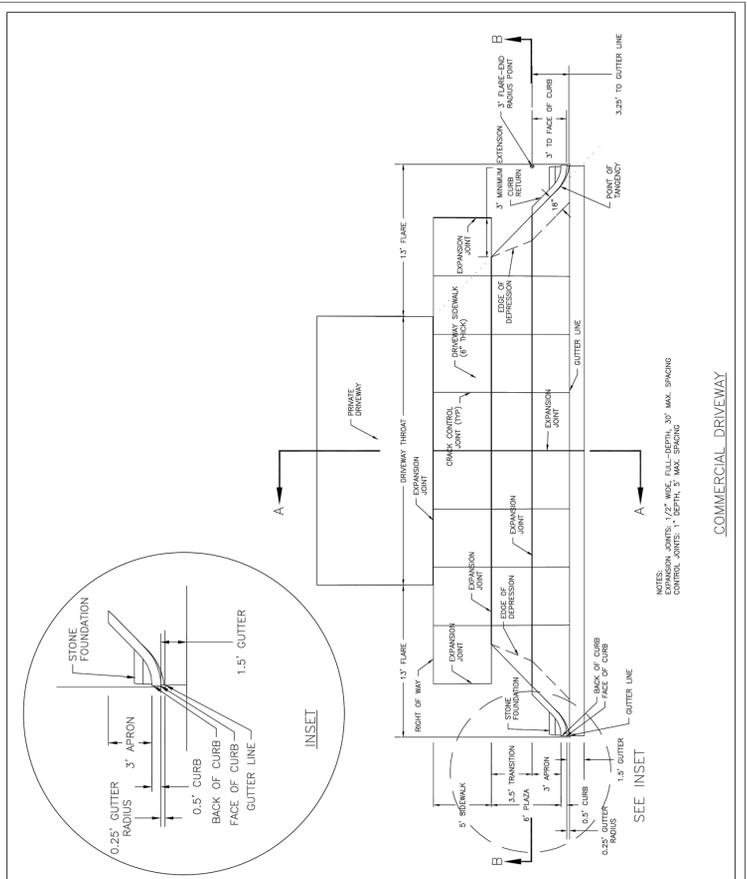
DETAILS
SMILE STRAIGHT ORTHODONTICS
WILMINGTON
NORTH CAROLINA

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

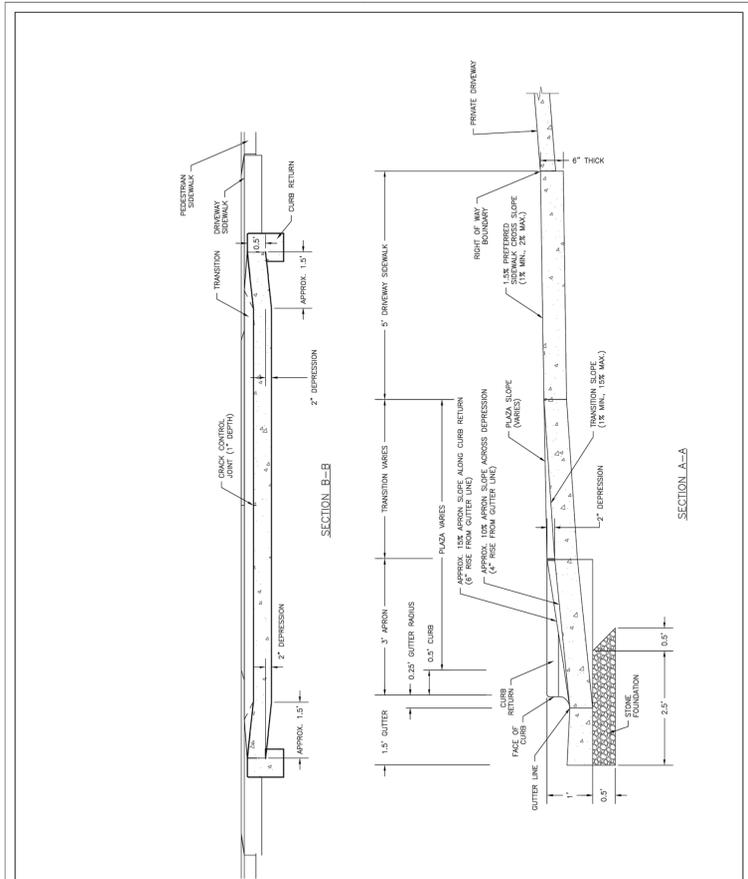
DRAWING INFORMATION:
DATE: 05/25/2016
DRAWN BY: ASB
CHECKED BY: RSB
DESIGNED BY:
CREATED:

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

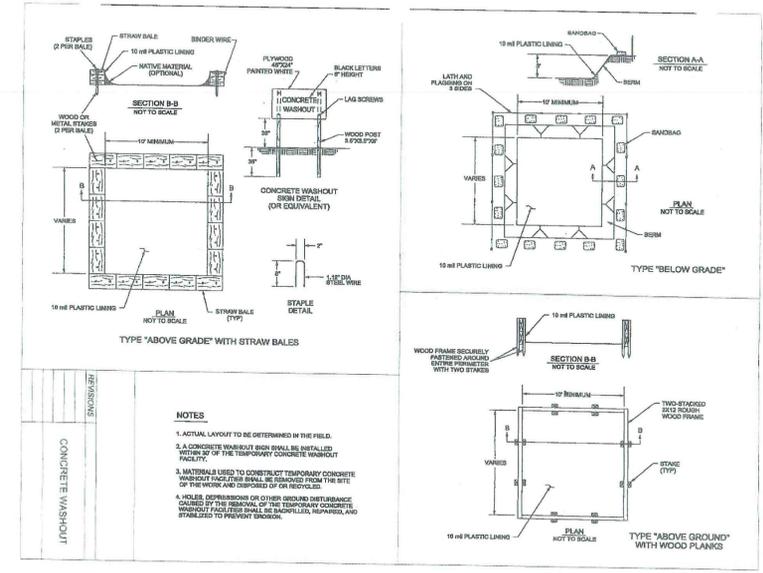
C-4.0
PEI JOB#: 21434.PE



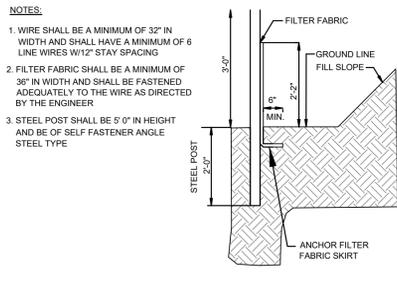
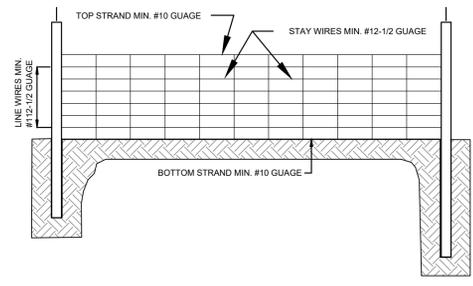
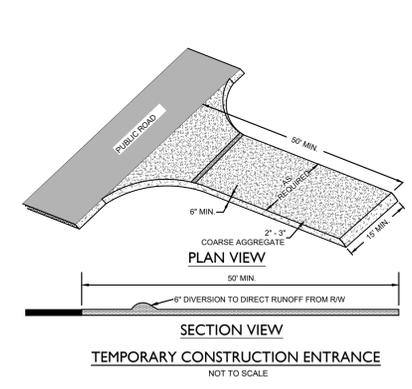
| | | |
|-------------------------|---|---|
| DATE: FEB. 14, 2017 | STANDARD DETAIL COMMERCIAL DRIVEWAY PLAN (VERTICAL CURB) 1 of 2 | CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON N.C. 28402 (910) 341-7807 SD 3-03.3 |
| DRAWN BY JSR | | |
| CHECKED BY D.E.C., P.E. | | |
| SCALE NOT TO SCALE | | |



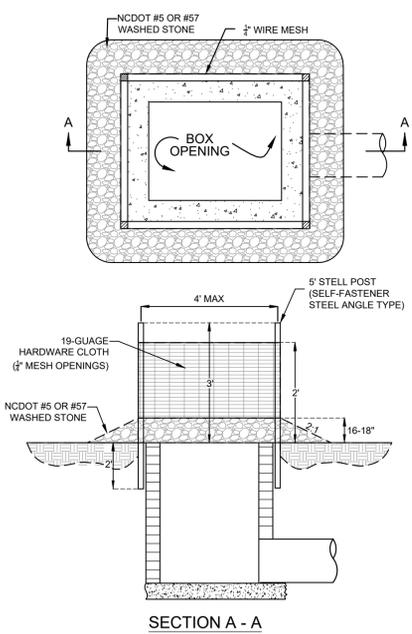
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|-------------------------|---|---|
| DATE: FEB. 14, 2017 | STANDARD DETAIL COMMERCIAL DRIVEWAY SECTIONS (VERTICAL CURB) 2 of 2 | CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON N.C. 28402 (910) 341-7807 SD 3-03.4 |
| DRAWN BY JSR | | |
| CHECKED BY D.E.C., P.E. | | |
| SCALE NOT TO SCALE | | |



| | | |
|-------------------------|---|---|
| DATE: FEB. 14, 2017 | STANDARD DETAIL CONCRETE WASHOUT | CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON N.C. 28402 (910) 341-7807 SD 3-03.4 |
| DRAWN BY JSR | | |
| CHECKED BY D.E.C., P.E. | | |
| SCALE NOT TO SCALE | | |



GUIDELINES FOR TEMPORARY SILT FENCE DETAIL
NOT TO SCALE



INLET PROTECTION
NOT TO SCALE

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

Name _____ Date _____

Planning _____

Traffic _____

Fire _____

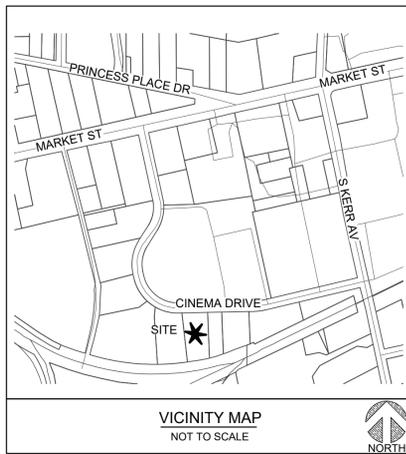
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____

Signed: _____

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

| | |
|--|---|
| PARAMOUNT ENGINEERING | 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) 791-6766 (F) N.C. License #: C-2846 |
| DETAILS | SMILE STRAIGHT ORTHODONTICS WILMINGTON NORTH CAROLINA |
| PROJECT STATUS CONCEPTUAL LAYOUT: PRELIMINARY LAYOUT: RELEASED FOR CONST. | DRAWING INFORMATION DATE: 01/25/22 DESIGNED: ASR DRAWN: RBR CHECKED: RBR |
| C-4.3 | PEI JOB#: 21434.PE |



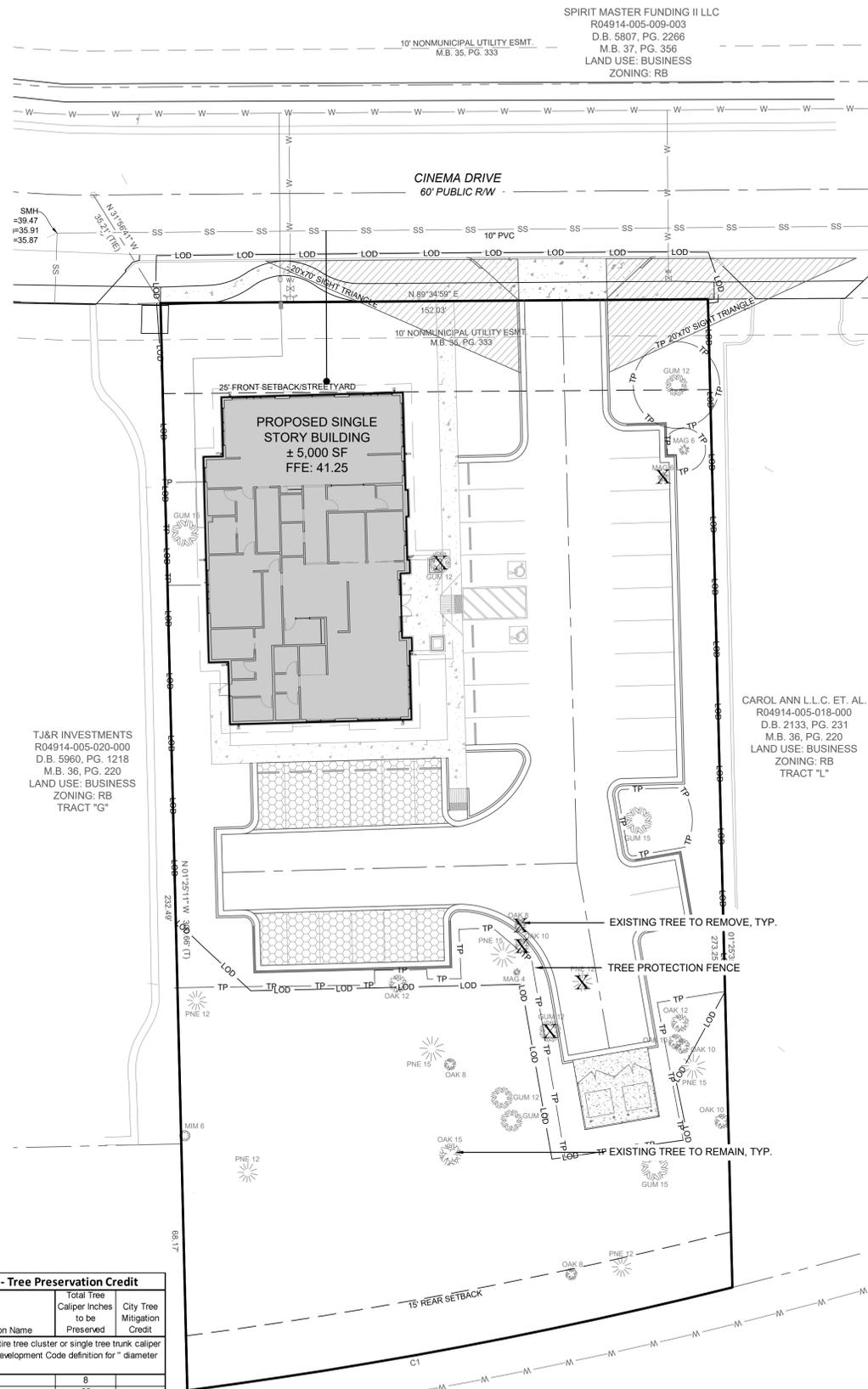
SITE INFORMATION
 PROJECT ADDRESS: 126 CINEMA DRIVE WILMINGTON, NC 28403
 OWNER INFORMATION: UPSIDE REAL ESTATE GROUP, LLC 5717 E. THOMAS ROAD, SUITE 100 SCOTTSDALE, AZ 85251
 APPLICANT INFORMATION: KIDS DENTAL BRANDS 5717 E. THOMAS ROAD, SUITE 100 SCOTTSDALE, AZ 85251
 TAX PARCEL IDENTIFICATION #: R04914-005-019-000 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:
 1. 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.
 2. 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:
 1. 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.
 2. NO CREDIT WAS TAKEN FOR EXISTING TREES TO REMAIN LOCATED WITHIN THE BUFFERS
 3. 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:
 1. 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.
 2. CRZ RADIUS IS 1 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH).
 3. 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.
 4. 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.
 5. 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.
 6. FAILING 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.

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

STANDARD DETAIL
TREE PROTECTION DURING CONSTRUCTION
 SHEET 1 of 2

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

40"
 18"

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

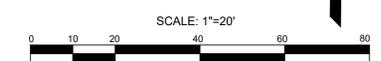
WARNING SIGN DETAIL

NOTES:
 1. THE TREE PROTECTION FENCING SHALL NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT WITHOUT APPROVAL FROM URBAN FORESTRY STAFF.
 2. WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL. LETTERS TO BE 3" HIGH, MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
 3. 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.
 4. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE AND SIGNS THROUGHOUT DURATION OF PROJECT.
 5. TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION.
 6. ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF WILMINGTON, BASED ON ACTUAL FIELD CONDITIONS.

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

STANDARD DETAIL
TREE PROTECTION DURING CONSTRUCTION
 SHEET 2 of 2

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



REVISIONS:

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

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

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

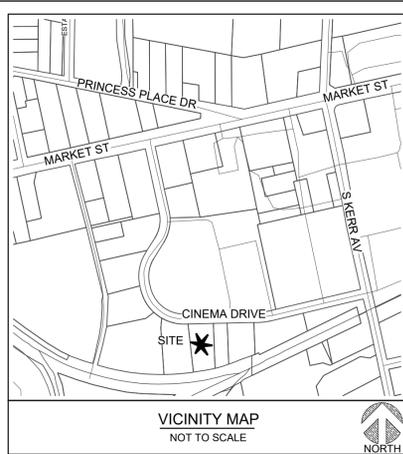
DRAWING INFORMATION:
 DATE: 01/28/22
 SCALE: 1"=20'
 DRAWING: RDG
 CHECKED: RPE

TREE REMOVAL PLAN
 SMILE STRAIGHT ORTHODONTICS
 WILMINGTON
 NORTH CAROLINA

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

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: UPSIDE REAL ESTATE 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 | |
| TREE PLANTING (BUFFER, STREETYARD, PARKING LOT) | 27 TREES | |
| RETAINED TREE CREDIT | 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 PLAN.
- 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.

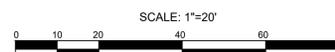
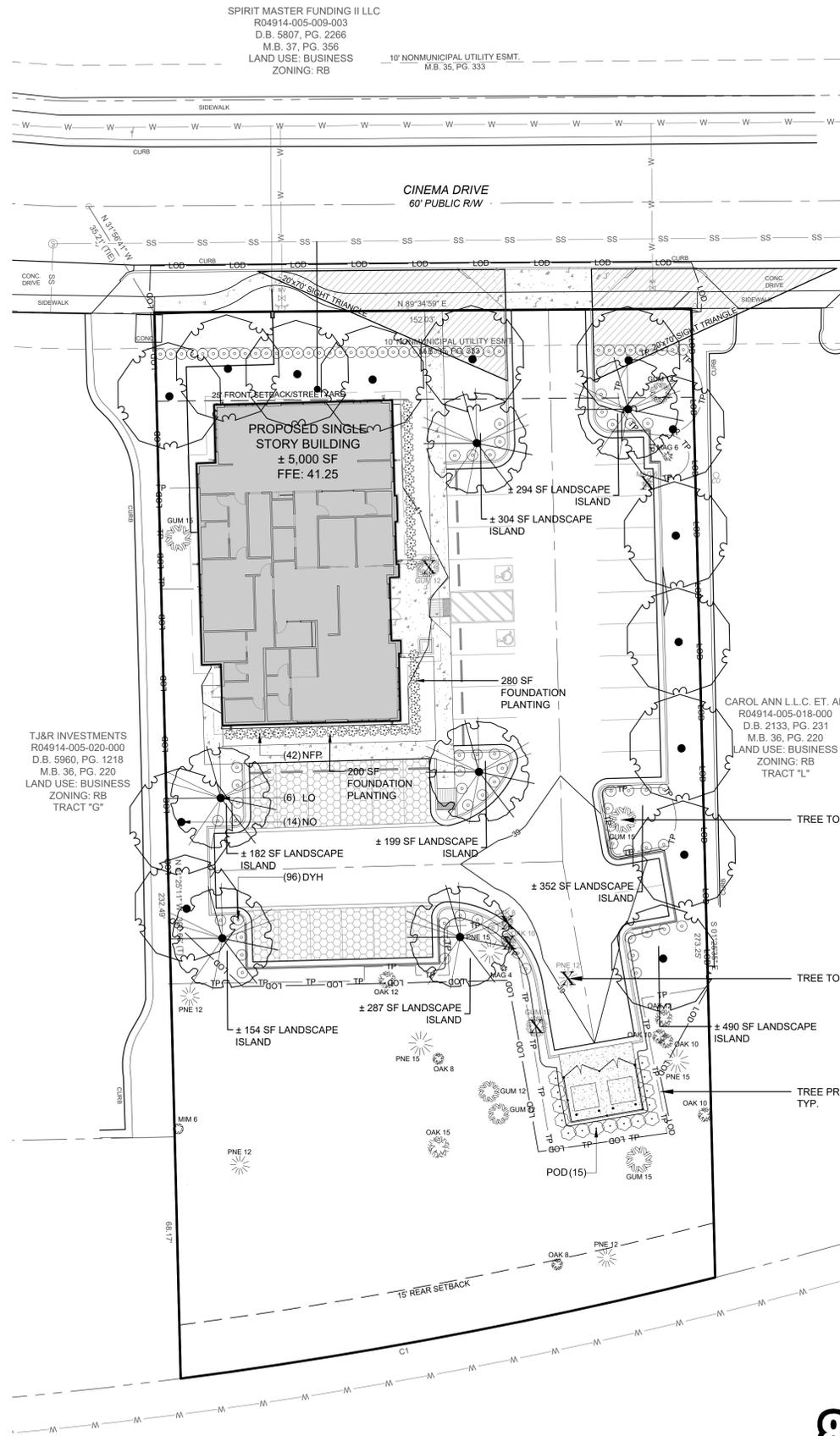
THE FOLLOWING SIGHT DISTANCE TRIANGLE IS SHOWN ON THE PLAN:

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.



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

| | |
|---|---|
| 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: 01.25.22 1. JRC DESIGNED: DRAWN: CHECKED: PJC |
| L-2.0 PEI JOB#: 21434.PE | |