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Mann Hall Renovation

STATE ID #22-24500-02A
NCSU PROJECT #202220021

North Carolina State
University

Facilities Division Design & Construction
Administrative Services Building III
2601 Wolf Village Way, Suite 331
Raleigh, NC 27695

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5 CONSTRUCTION DOCUMENTS 3/25/2025
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Job Number 820937.001

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TITLE

EXISTING CONDITIONS

SHEET NUMBER

C-001



Legacy Tower

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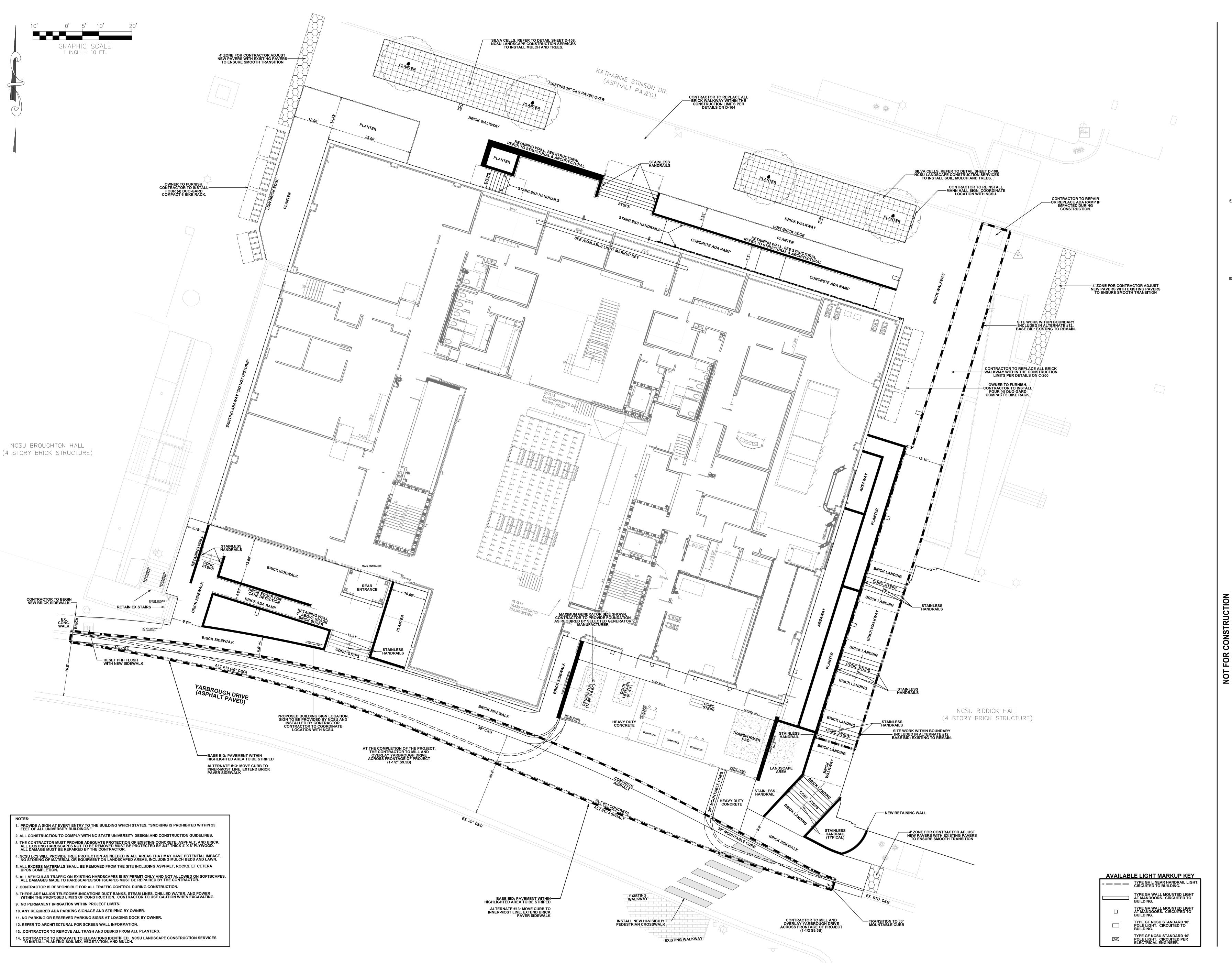
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DEMOLITION PLAN

SHEET NUMBER

TITLE

C-002



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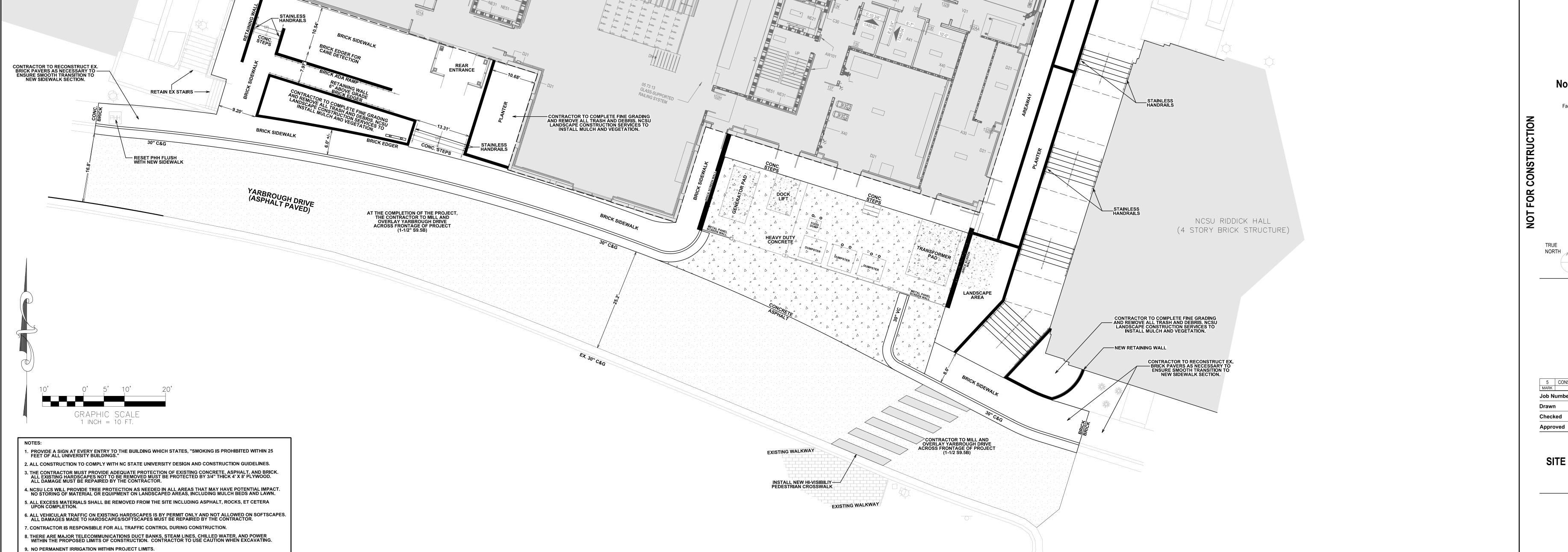
SITE PLAN

SHEET NUMBER

TITLE

C-100

Legacy Tower 411 W Chapel Hill Street, Suite 200 Durham, North Carolina 27701 t 919.433.5300 f 919.433.5301 www.perkinswill.com CONSULTANTS STRUCTURAL Lynch Mykins Structural Engineers 301 N. West Street Suite 105, Raleigh, NC 27603 702 Oberlin Road, Raleigh, NC 27605 License (NC): F-1434 NV5 Engineers and Consultants 3300 Regency Parkway Suite 100, Cary, NC 27518 Holder Construction Group 6210 Ardrey Kell Road Suite 400, Charlotte, NC 28277 NV5 Engineers and Consultants 4905 Professional Court, Raleigh, NC 27609 5700 Six Forks Road, Suite 203, Raleigh, NC 27609 8022 Providence Road Suite 500, Charlotte, NC 28277



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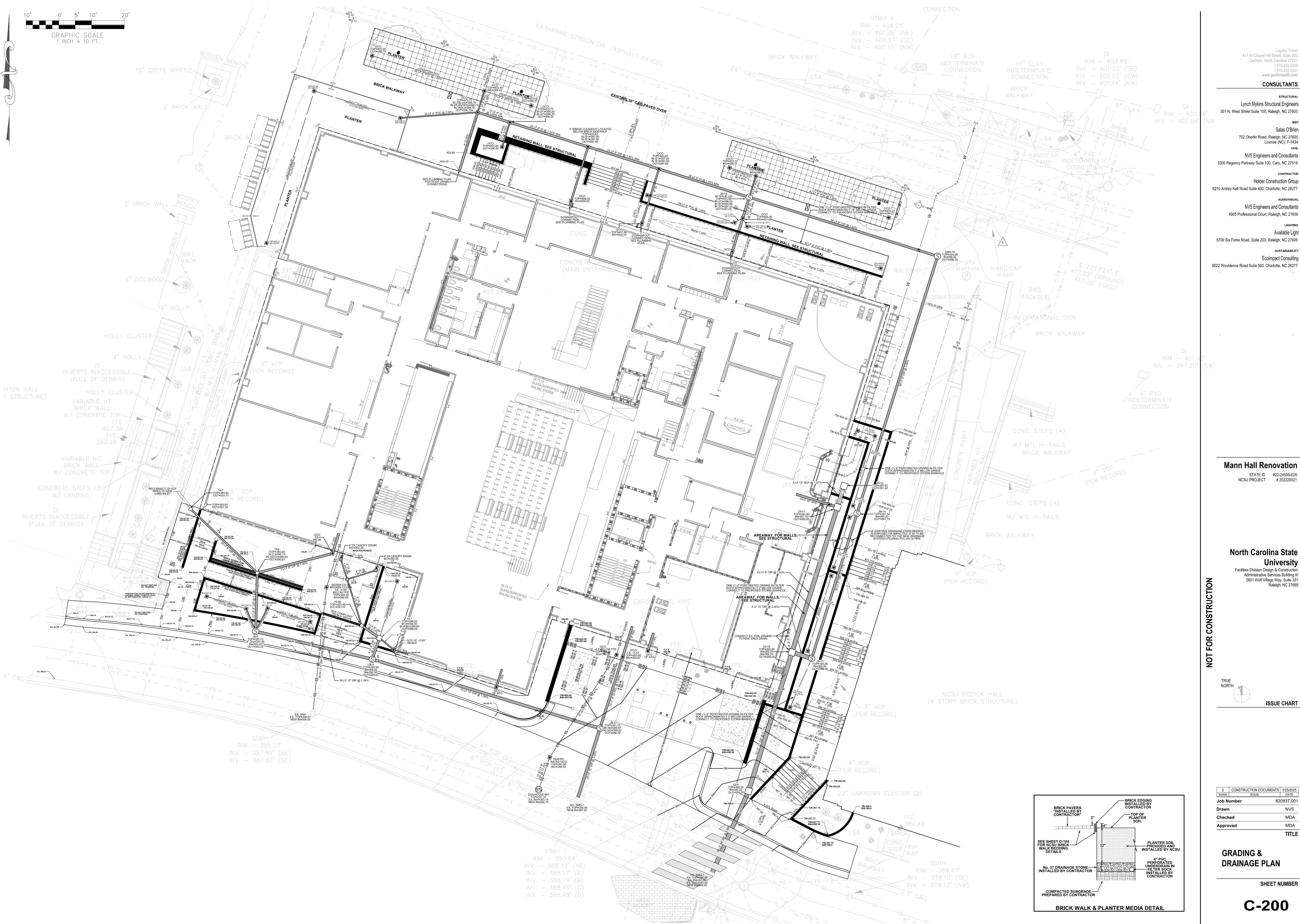
SITE PLAN

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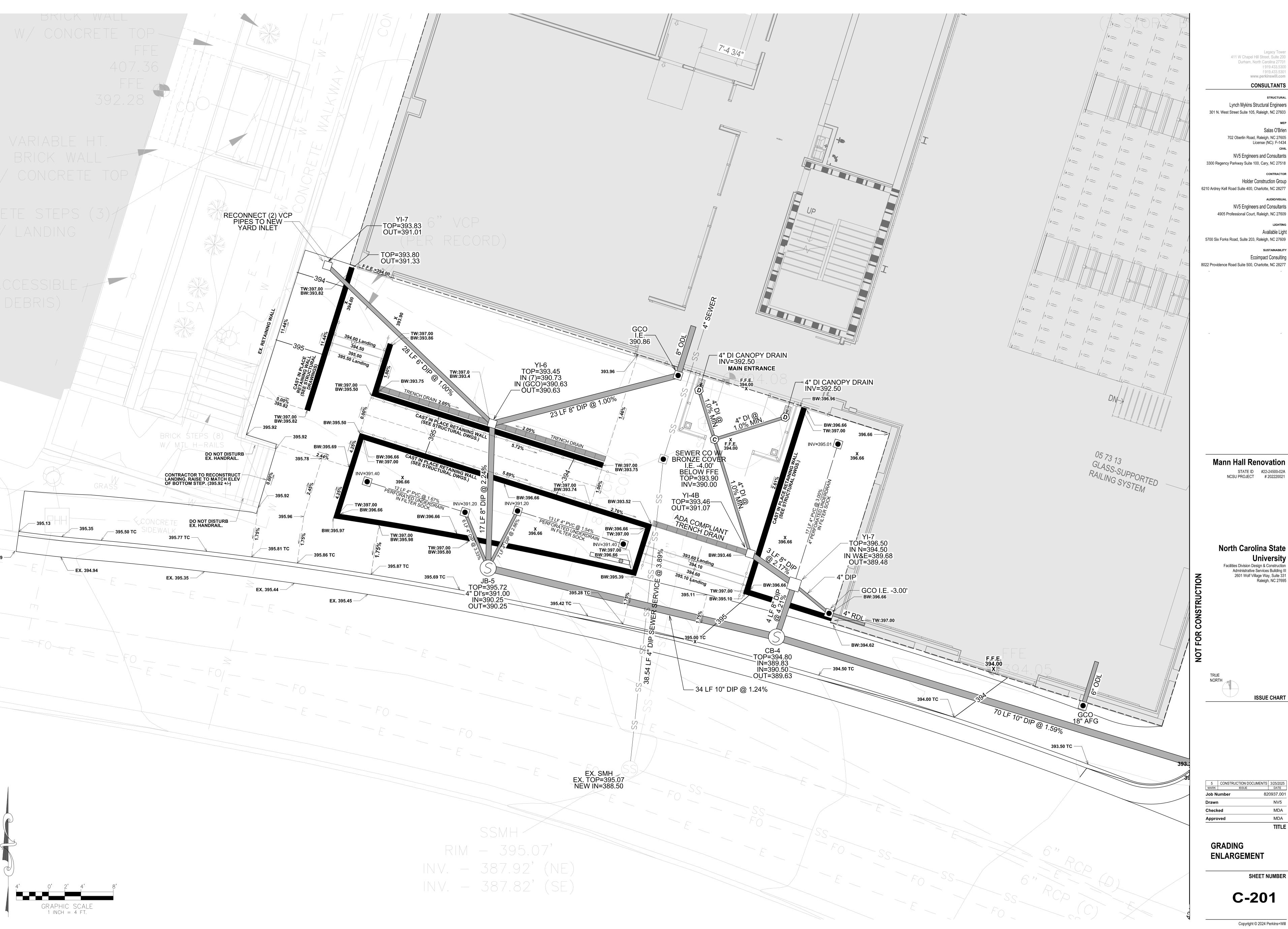
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MDA

TITLE **GRADING &**

DRAINAGE PLAN

SHEET NUMBER C-200



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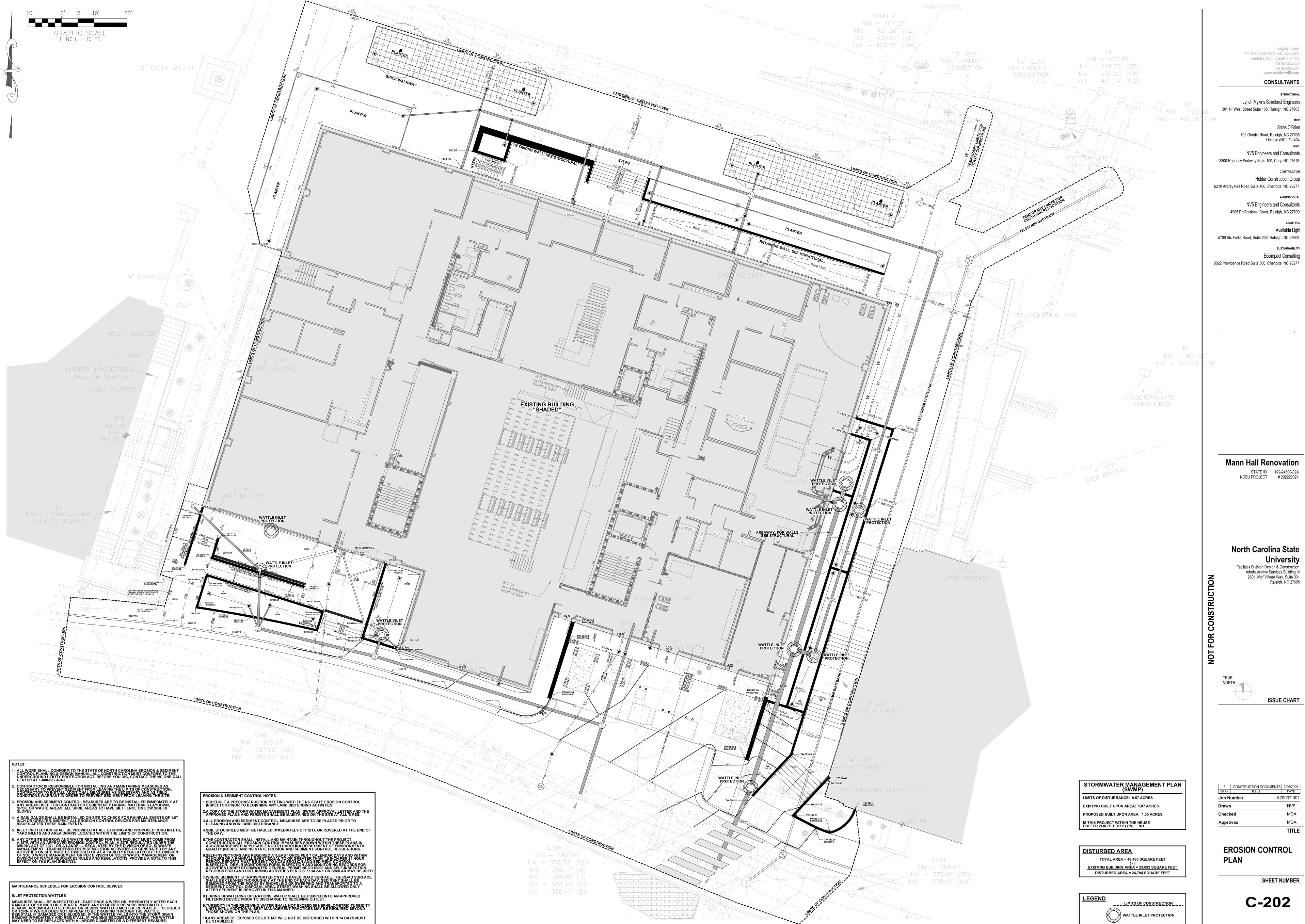
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SHEET NUMBER

C-201



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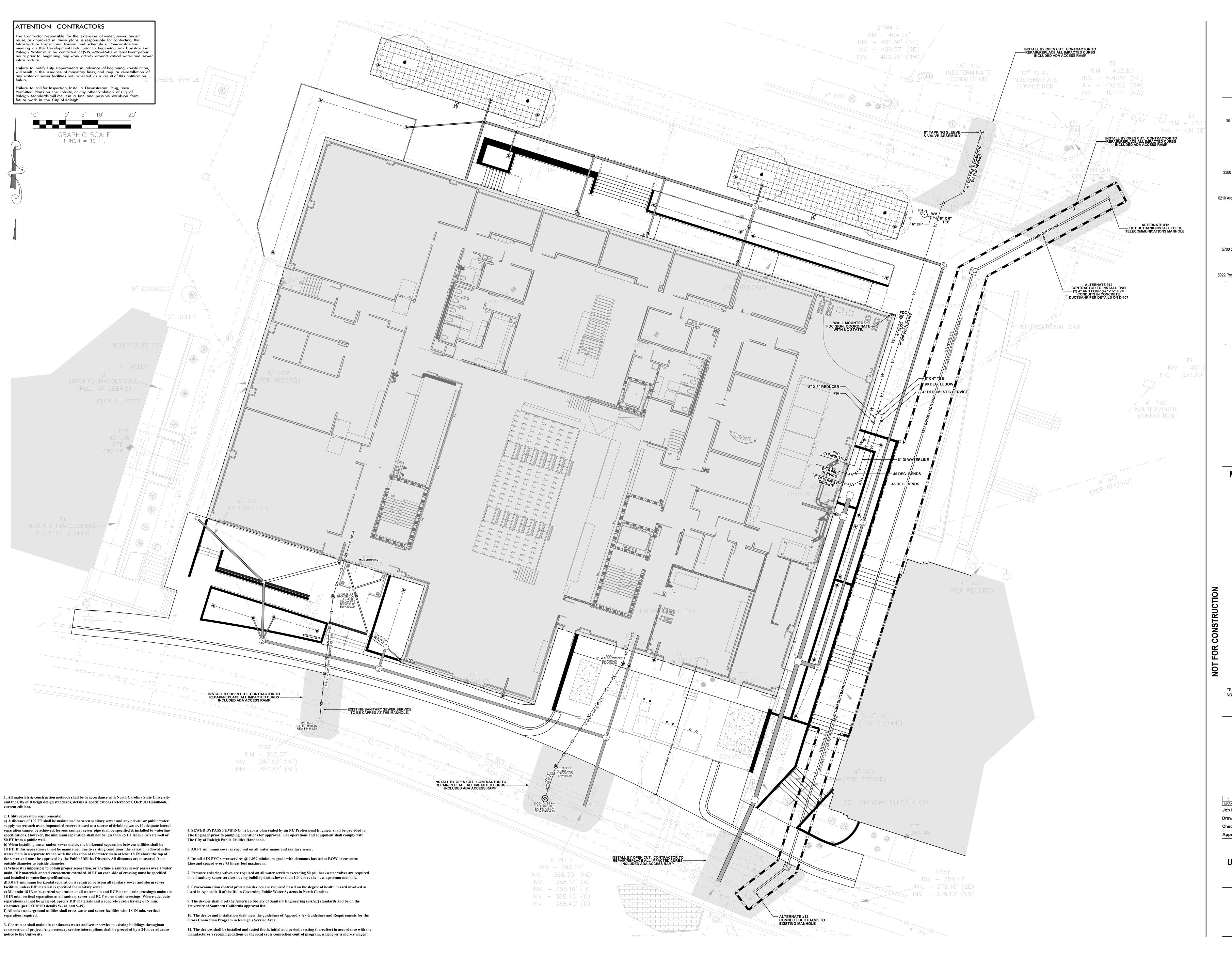
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C-202



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Mann Hall Renovation
STATE ID #22-24500-02A

NCSU PROJECT # 202220021

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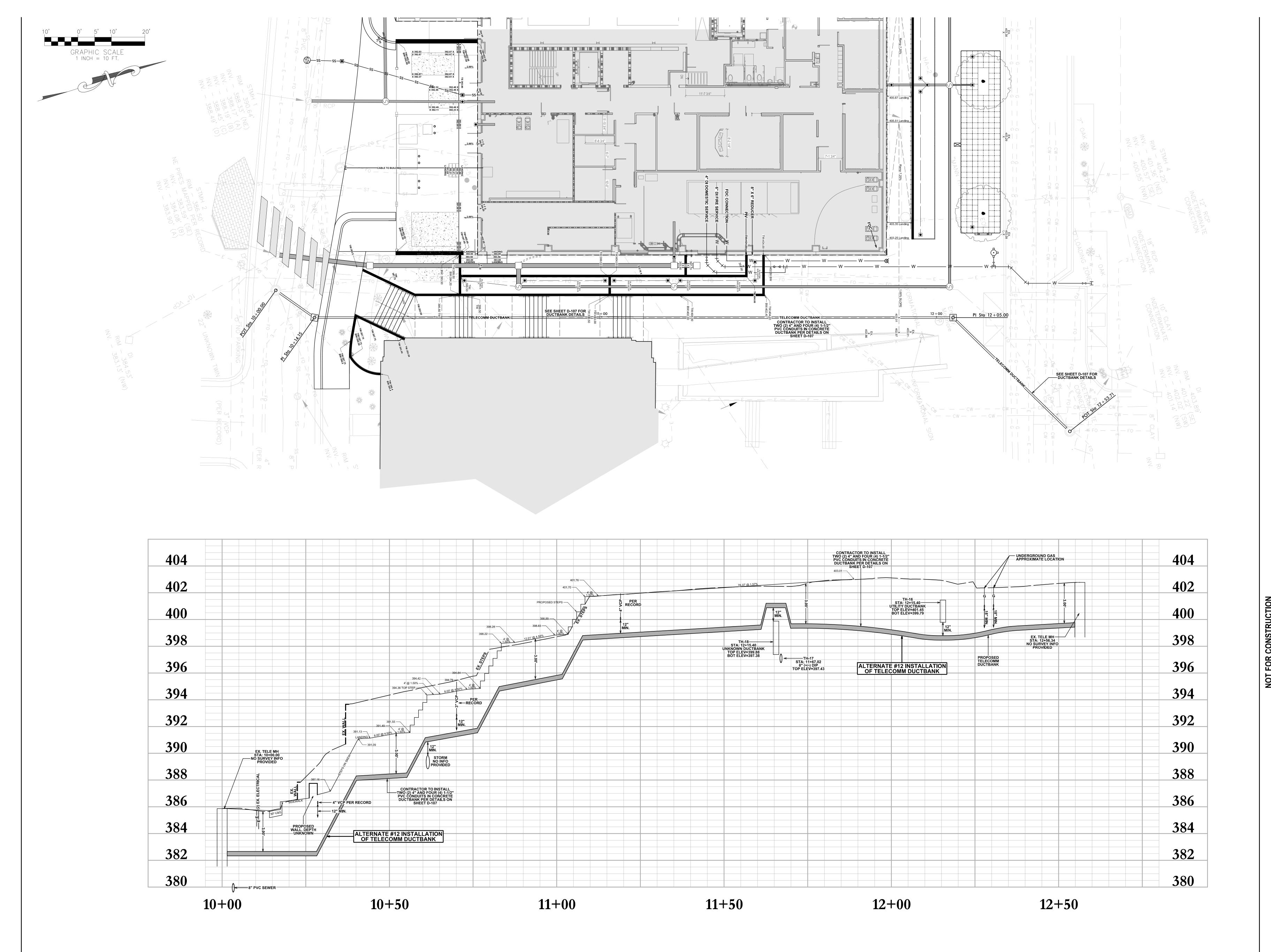
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UTILITY PLAN

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C-300



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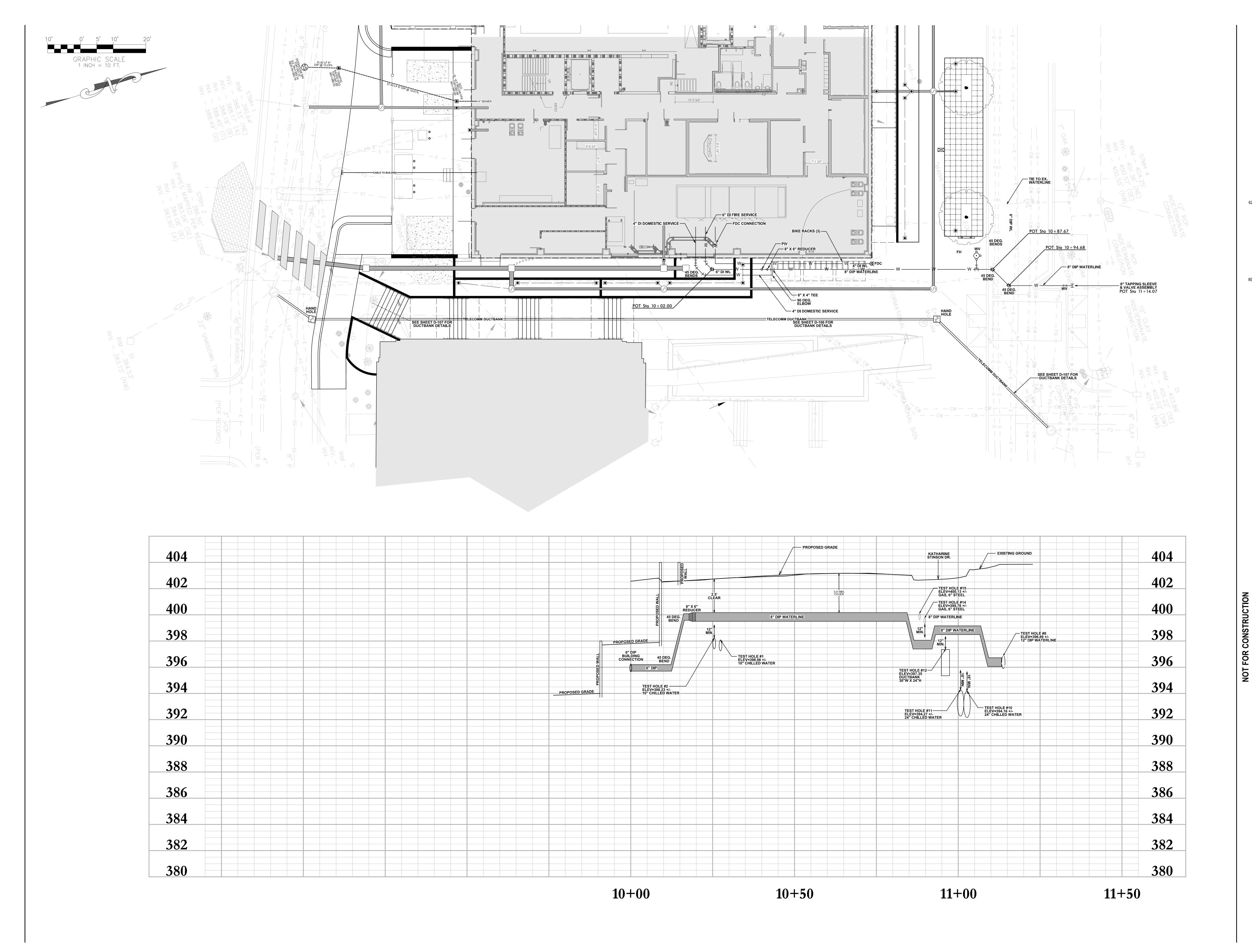
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DUCTBANK PROFILE

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C-301



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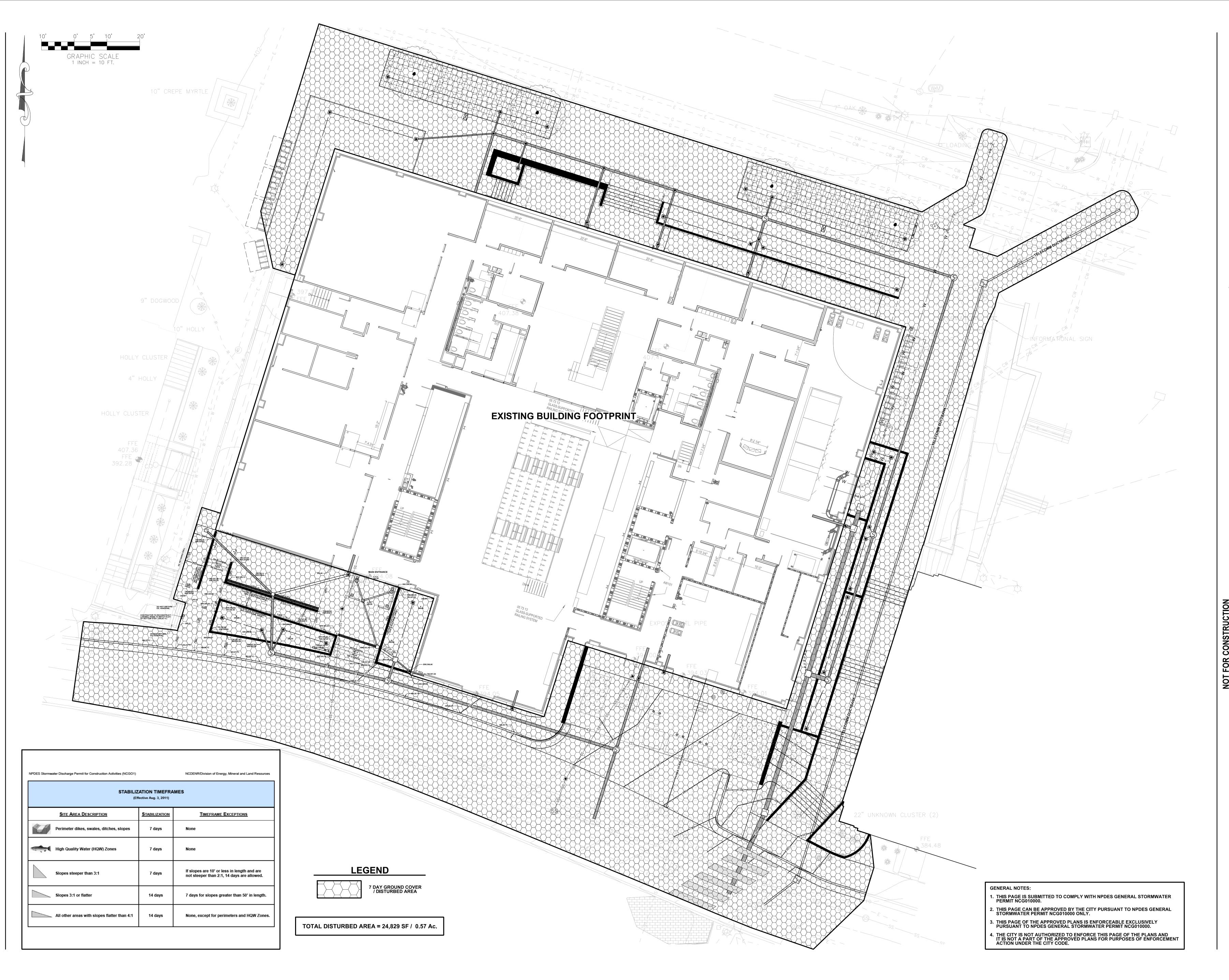
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FIRELINE PROFILE

SHEET NUMBER

C-302



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NCSU PROJECT # 2022220021

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NCG01 GROUND STABILIZATION AND MATERIAL HANDLING

SHEET NUMBER

C-400

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

mplementing 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

| JECT | ION E: GROUND STAE | DILIZATION | |
|-----------------------|--|--|--|
| | Re | equired Ground Stabil | ization 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:

Plastic sheeting

- other mulches and tackifiers Hydroseeding Rolled erosion control products with or without temporary grass seed
- Temporary grass seed covered with straw or
 Permanent grass seed covered with straw or other mulches and tackifiers Geotextile fabrics such as permanent soil Hydroseeding with mulch
- Appropriately applied straw or other mulch
 Shrubs or other permanent plantings covered Uniform and evenly distributed ground cover sufficient to restrain erosion Structural methods such as concrete, asphalt or Rolled 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
- 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 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 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.
- 9. 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.

- 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
- 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.

- 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
 - 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.

ONCRETE 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

- 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 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.

SECTION C: REPORTING

(b) Oil spills if:

(b) Oil spills and

release of

hazardous substances per Item

1(b)-(c) above

bypasses [40 CFR

122.41(m)(3)]

health or the

environment[40]

1. Occurrences that Must be Reported

They are 25 gallons or more,

Permittees shall report the following occurrences:

(Ref: 40 CFR 302.4) or G.S. 143-215.85.

Reporting Timeframes and Other Requirements

(d) Anticipated bypasses and unanticipated bypasses.

(a) Visible sediment deposition in a stream or wetland.

- AZARDOUS AND TOXIC WASTE Create designated hazardous waste collection areas on-site.

SELF-INSPECTION, RECORDKEEPING AND REPORTING

They are less than 25 gallons but cannot be cleaned up within 24 hours,

c) Releases of hazardous substances in excess of reportable quantities under Section 311

(e) Noncompliance with the conditions of this permit that may endanger health or the

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

Reporting Timeframes (After Discovery) and Other Requirements

Within 7 calendar days, a report that contains a description of the

with the federal or state impaired-waters conditions.

sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a

If the stream is named on the NC 303(d) list as impaired for sediment-

Within 24 hours, an oral or electronic notification. The notification

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

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

Division staff may waive the requirement for a written report on a

prevent reoccurrence of the noncompliance. [40 CFR 122.41(I)(6].

shall include information about the date, time, nature, volume and

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

reported to the Department's Environmental Emergency Center personnel at (800)

(a) Visible sediment • Within 24 hours, an oral or electronic notification.

location of the spill or release.

quality and effect of the bypass. (e) Noncompliance • Within 24 hours, an oral or electronic notification.

Within 7 calendar days, a report that includes an evaluation of the

with the conditions • Within 7 calendar days, a report that contains a description of the

of this permit that noncompliance, and its causes; the period of noncompliance,

case-by-case basis.

effect of the bypass. (d) Unanticipated • Within 24 hours, an oral or electronic notification.

case-by-case basis.

of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA

They cause sheen on surface waters (regardless of volume), or

They are within 100 feet of surface waters (regardless of volume).

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

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

| 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 weeken holiday periods, and no individual-day rainfall information available, record the cumulative rain measurement for those attended days (and this will determine if a site inspection needed). Days on which no rainfall occurred shall be recorded "zero." The permittee may use another rain-monitoring deapproved by the Division. |
| (2) E&SC 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 ind (ii) 24 hours | 1. Identification of the discharge outfalls 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 sheen, 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 reco of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has the site limits, 2. Description, evidence, and date of corrective actions taken, 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 of stream has visible increased turbidity from the construction activity, then a record of the following shall be made: Description, evidence and date of corrective actions taken, Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this pen |
| (6) Ground stabilization measures | After each phase of grading | 1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all 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.

SELF-INSPECTION, RECORDKEEPING AND REPORTING

construction phase.

ground cover specifications.

Documentation Requirements

plan or complete, date and sign an inspection report to indicate completion of the

Initial and date a copy of the approved E&SC

plan or complete, date and sign an inspection report to indicate compliance with approved

Complete, date and sign an inspection report.

Initial and date a copy of the approved E&SC

report to indicate the completion of the

plan or complete, date and sign an inspection

SECTION B: RECORDKEEPING 1. E&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be kept on site and available for inspection at all times during normal business hours.

(a) Each E&SC measure has been installed Initial and date each E&SC measure on a copy and does not significantly deviate from the of the approved E&SC plan or complete, date

locations, dimensions and relative elevations | and sign an inspection report that lists each shown on the approved E&SC plan. E&SC measure shown on the approved E&SC plan. This documentation is required upon the initial installation of the E&SC measures or if the E&SC measures are modified after initial installation. (b) A phase of grading has been completed. Initial and date a copy of the approved E&SC

(c) Ground cover is located and installed in accordance with the approved E&SC

(d) The maintenance and repair requirements for all E&SC measures have been performed.

(e) Corrective actions have been taken to E&SC measures.

corrective action. Additional Documentation to be Kept on Site In addition to the E&SC plan documents above, the following items shall be kept on the site and available for 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:

(a) This General Permit as well as the Certificate of Coverage, after it is received.

(b) Records of inspections made during the previous twelve months. 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. Documentation to be Retained for Three Years

All data used to complete the e-NOI and all inspection records shall be maintained for a period

of three years after project completion and made available upon request. [40 CFR 122.41]

PART II, SECTION G, ITEM (4) DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down or maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

- (a) The E&SC plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&SC plan authority has approved these items,
- (b) The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(c) and (d) of this permit,
- (c) Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems,
- (d) Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item (c) above,
- (e) Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and (f) Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING | EFFECTIVE: 04/01/19 CONSULTANTS

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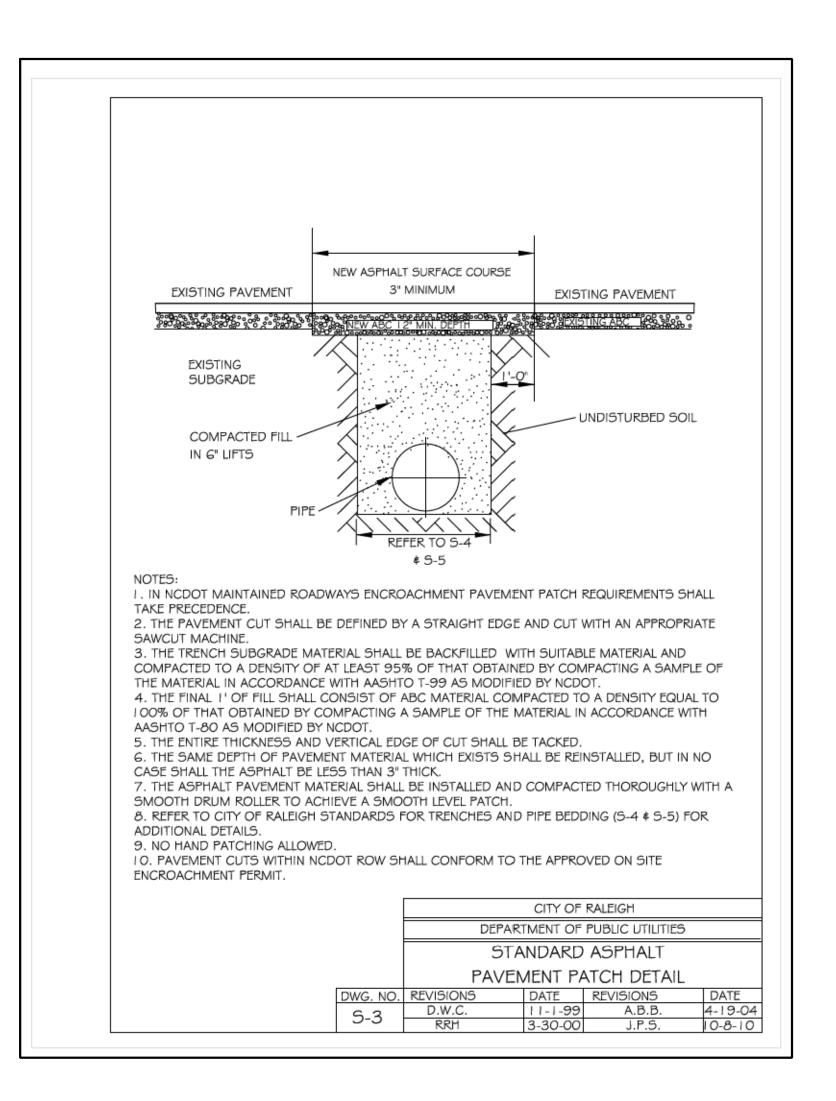
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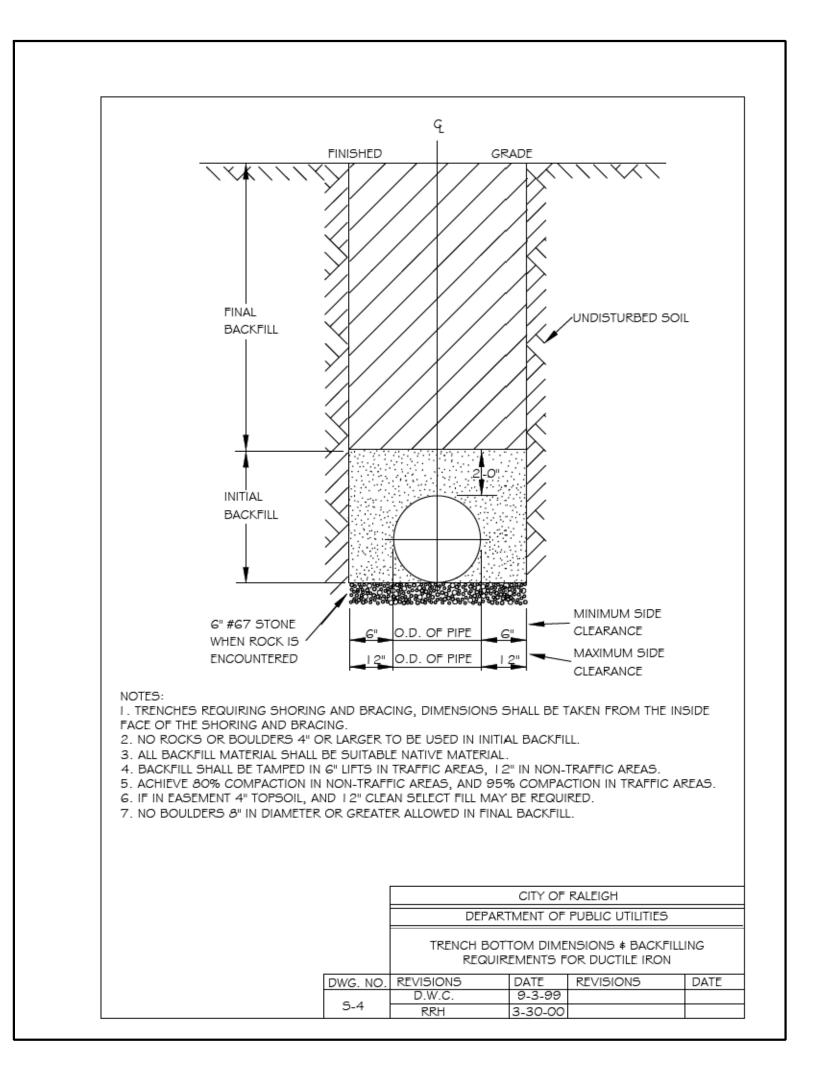
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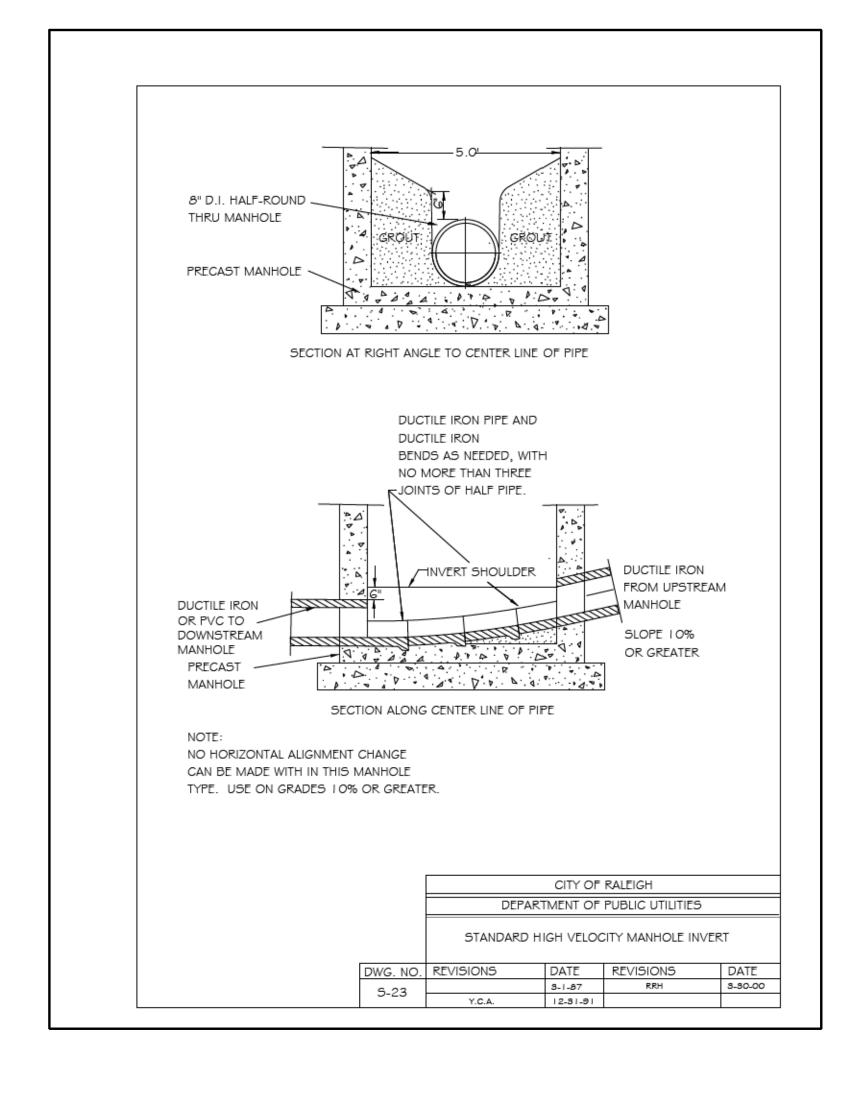
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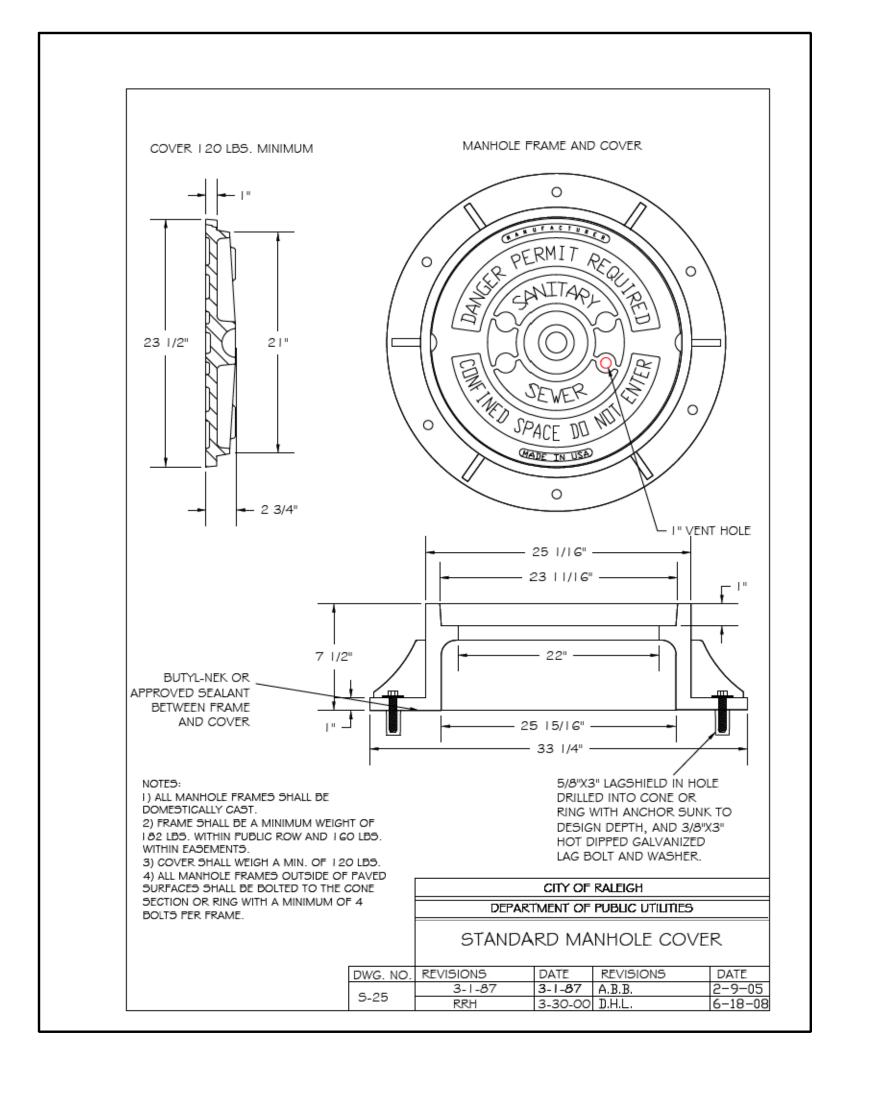
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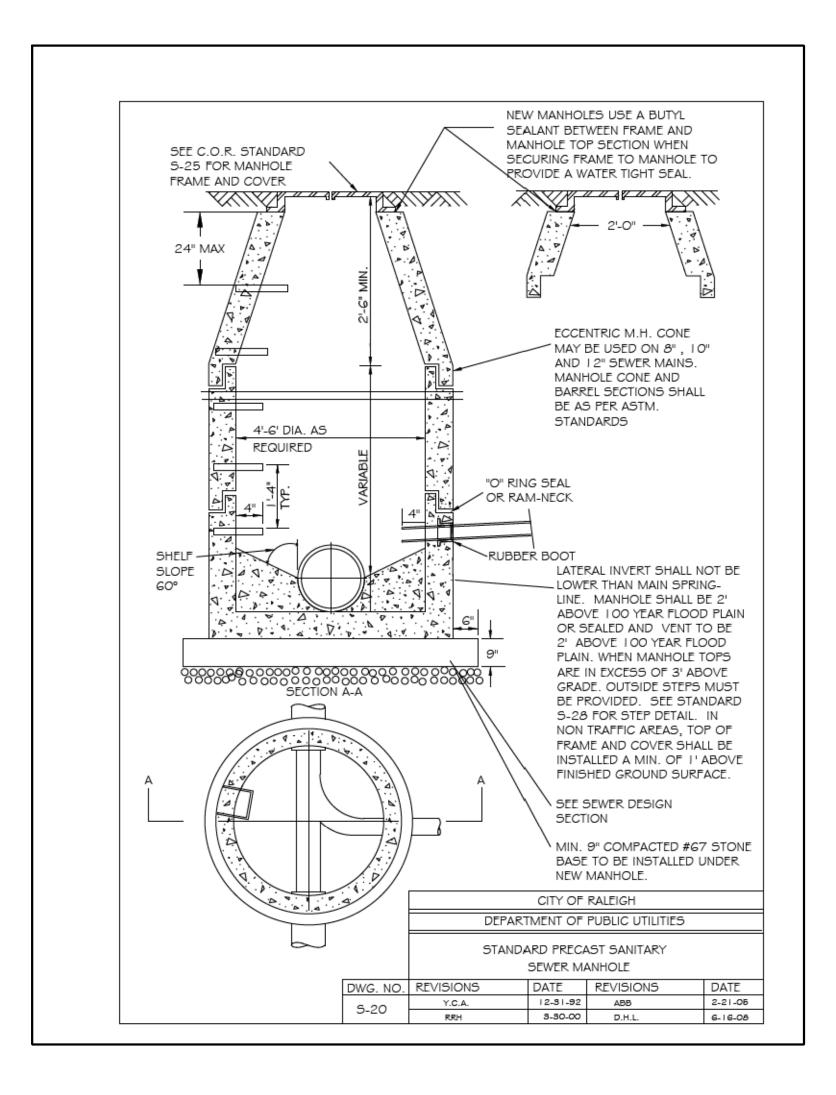
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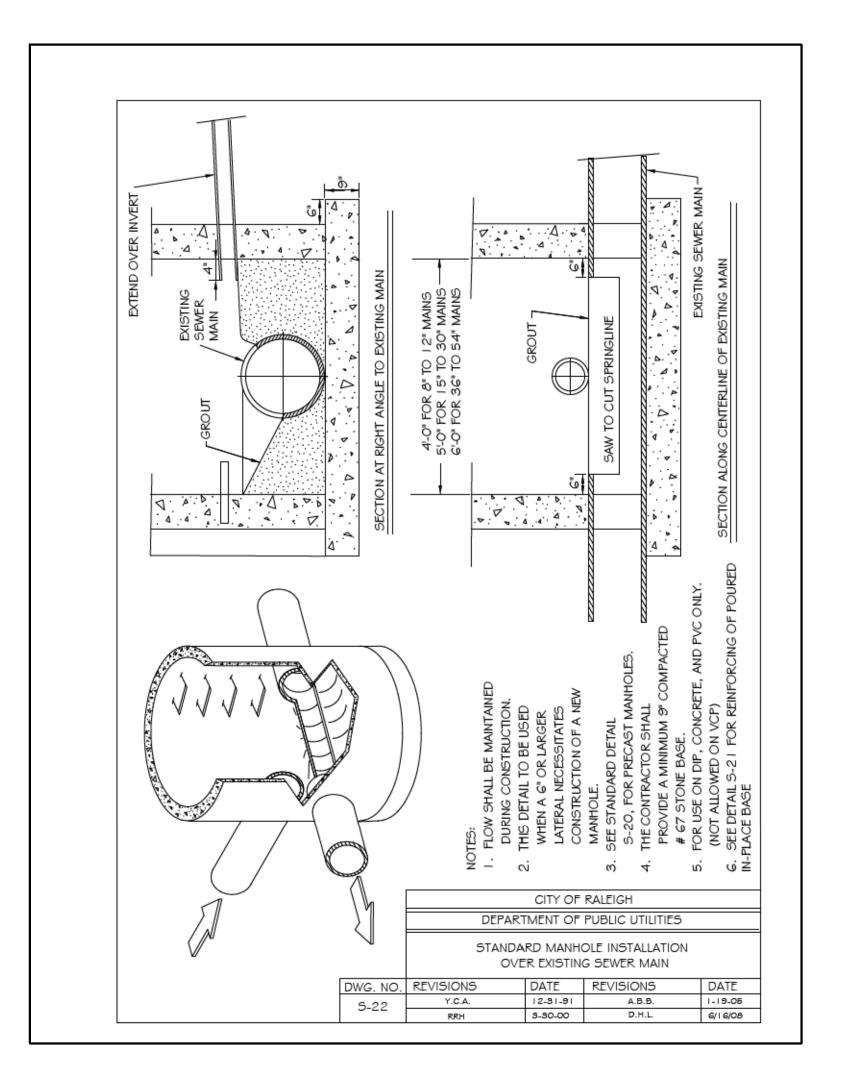












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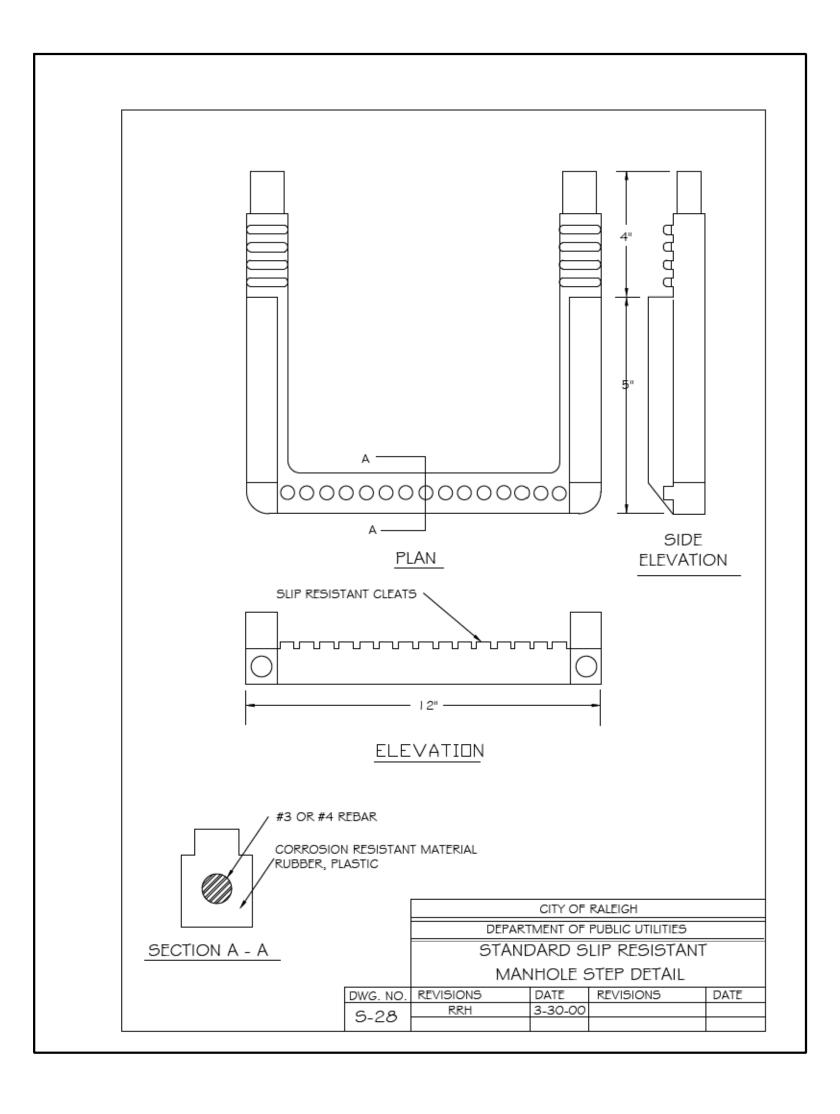
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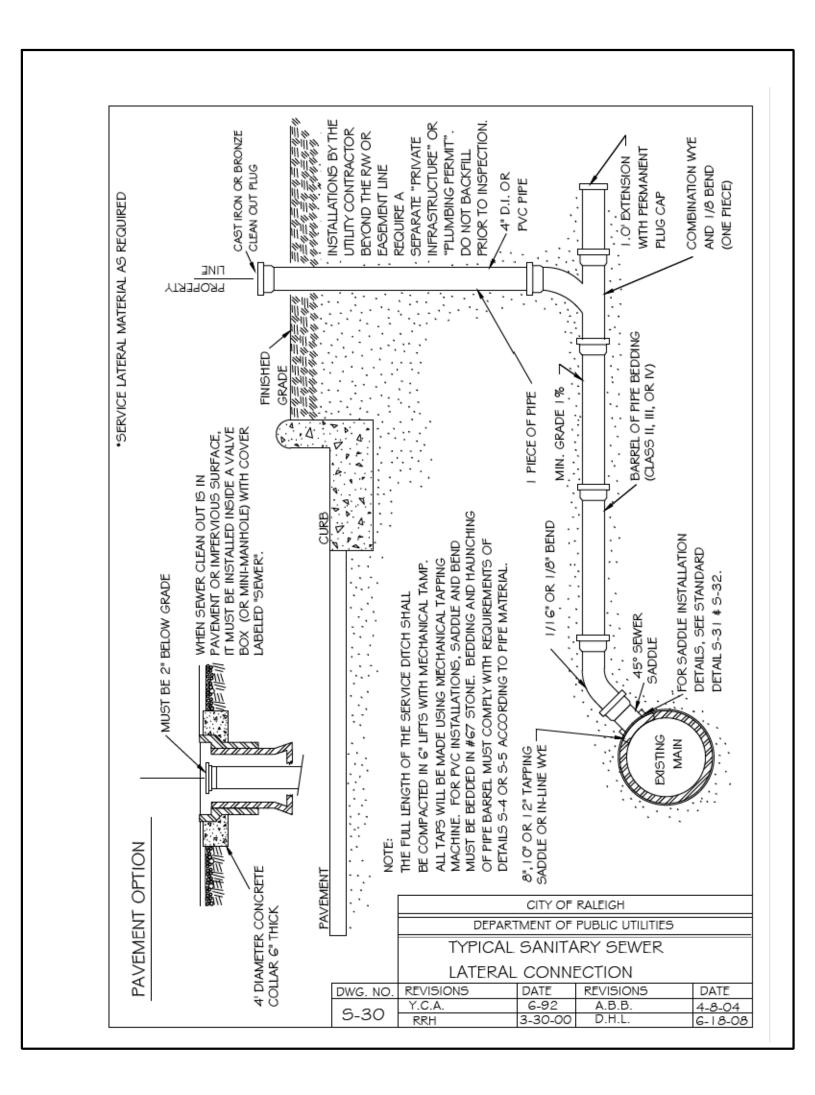
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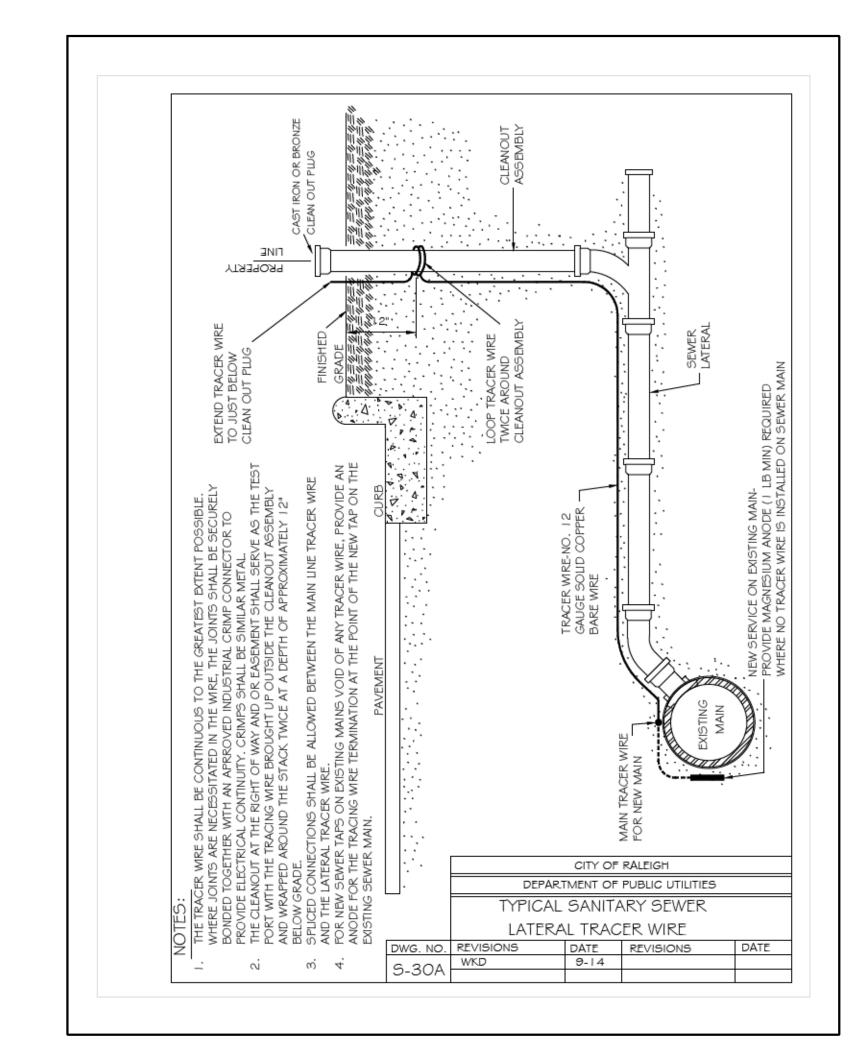
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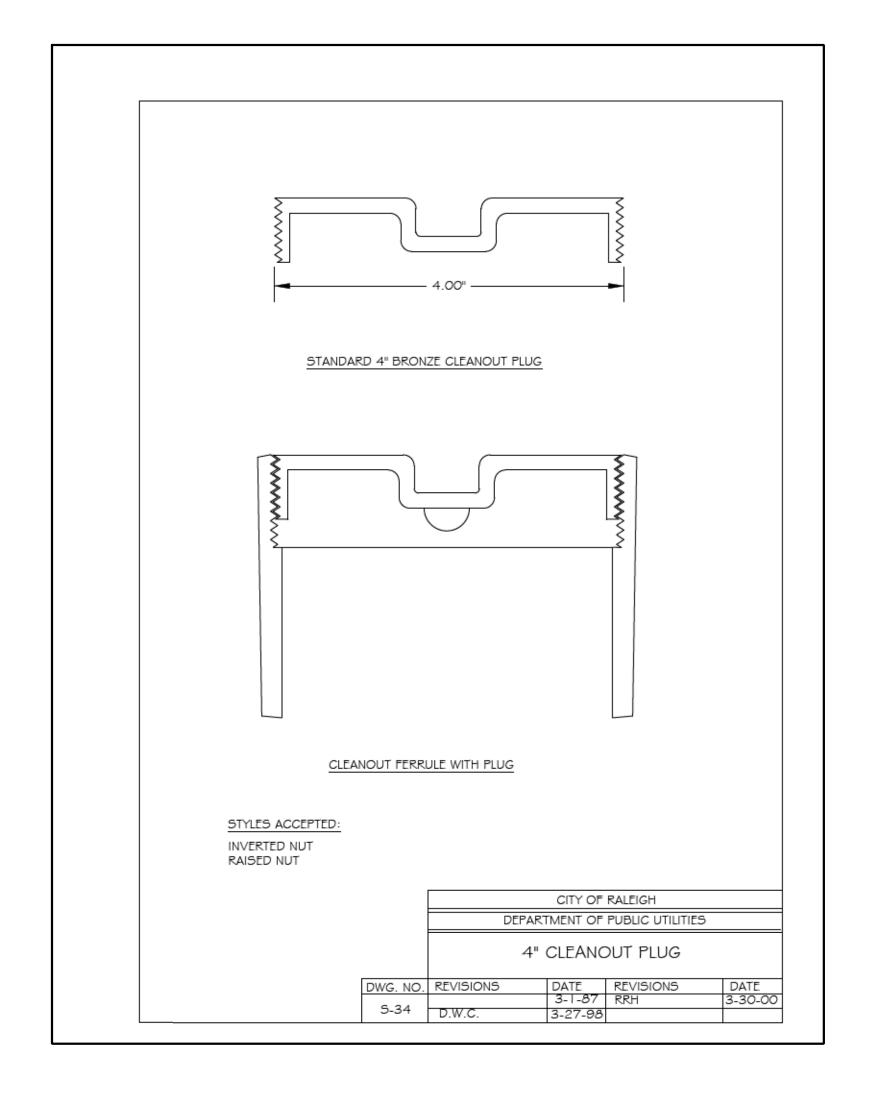
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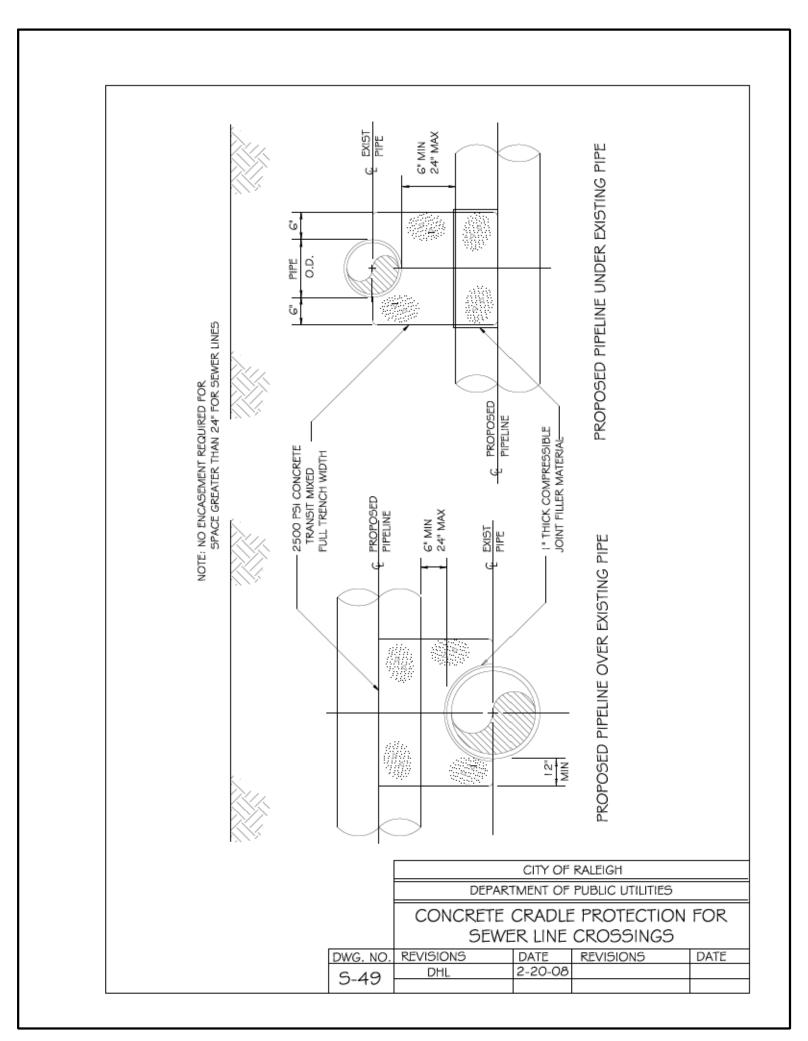
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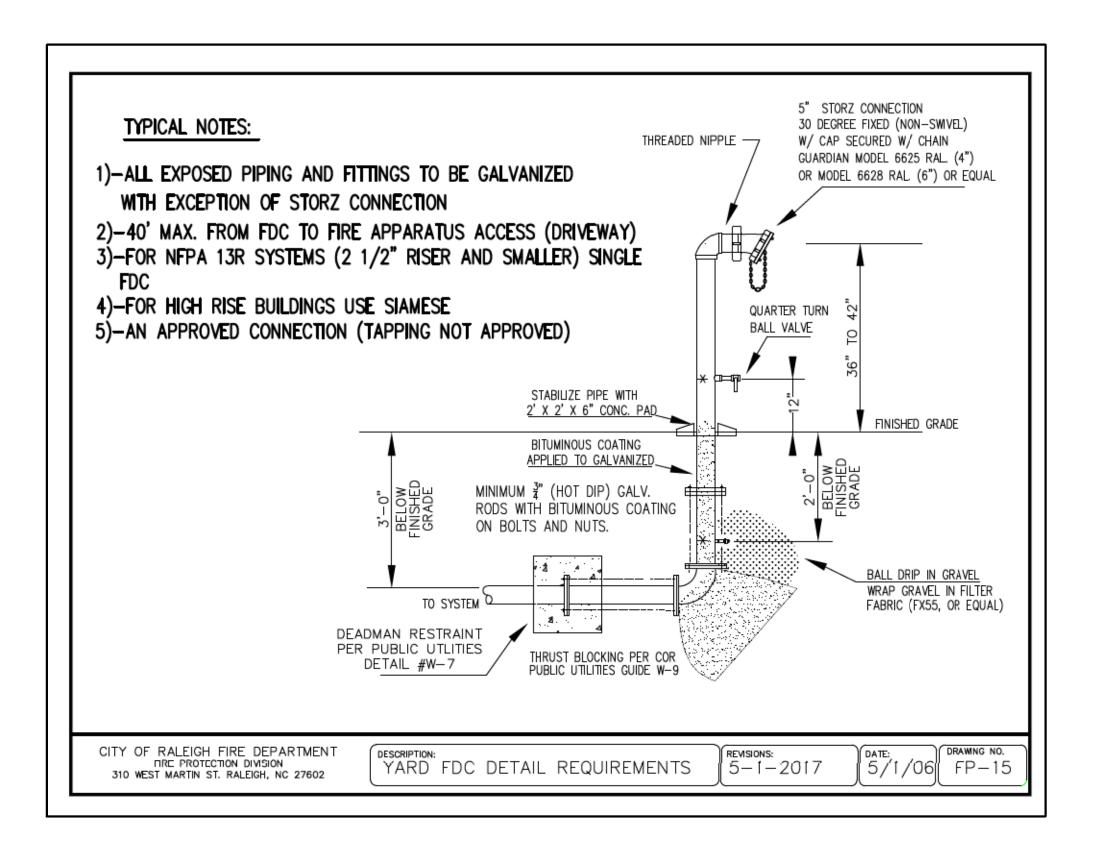


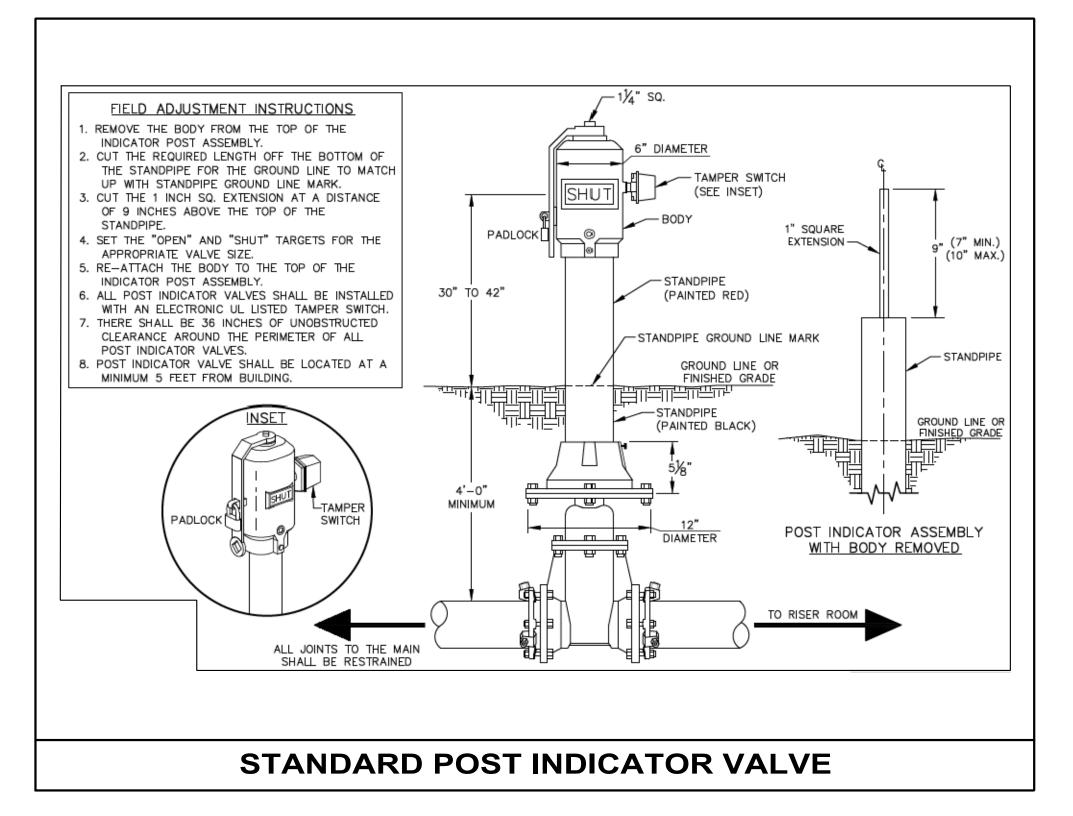












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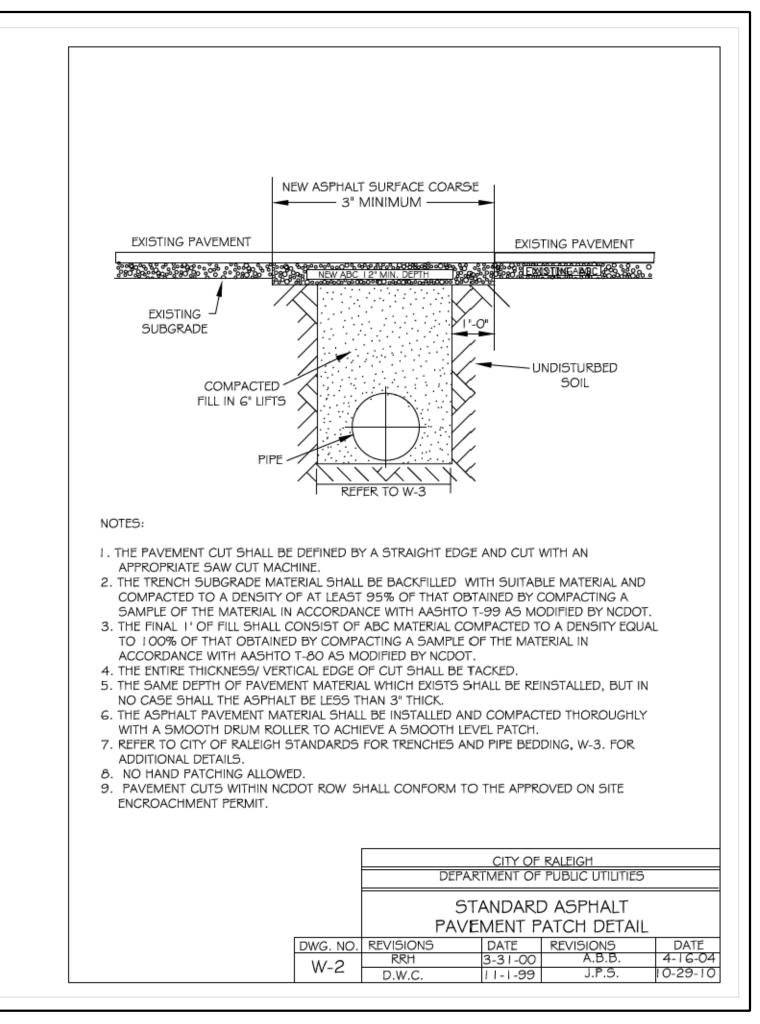
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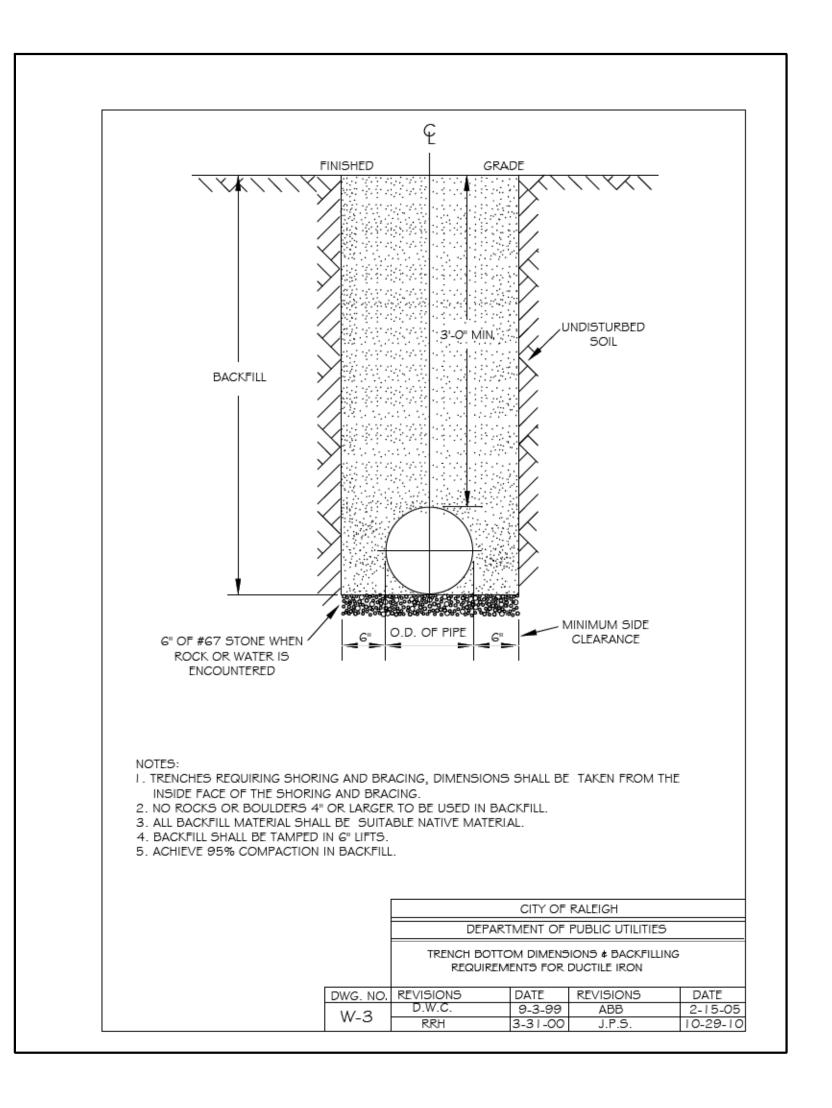
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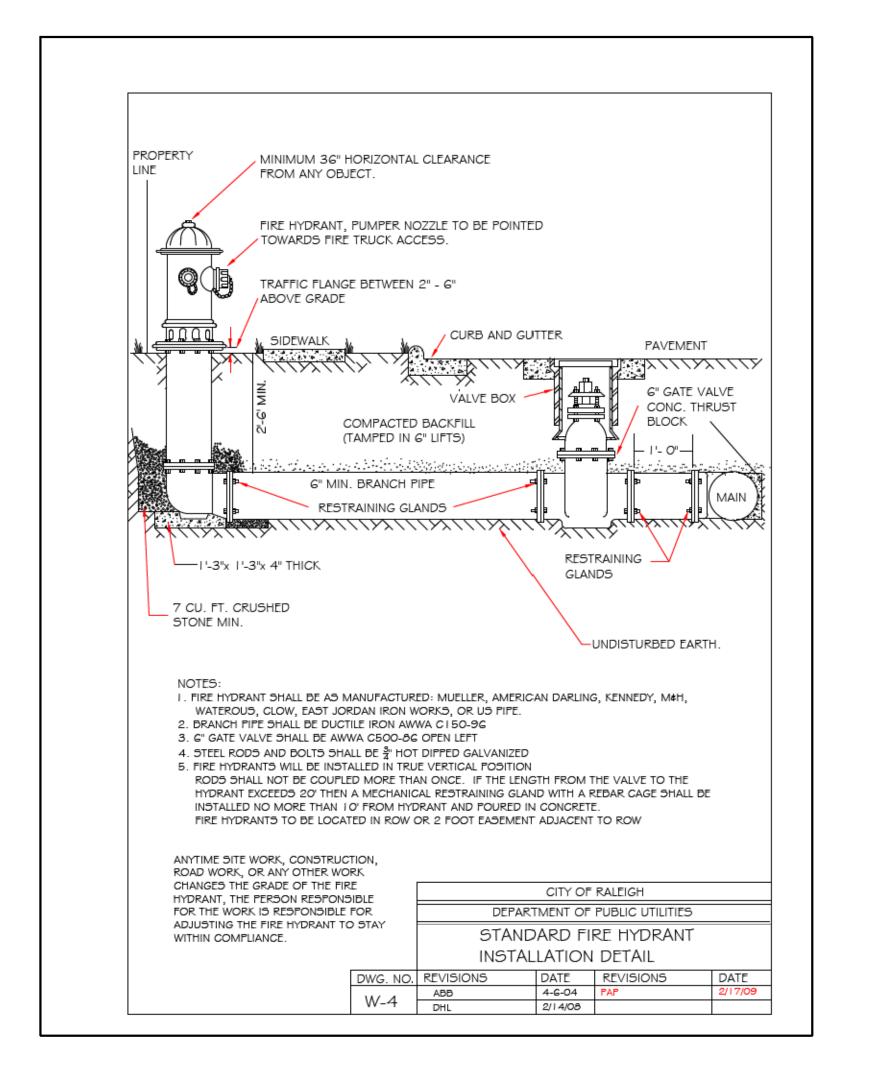
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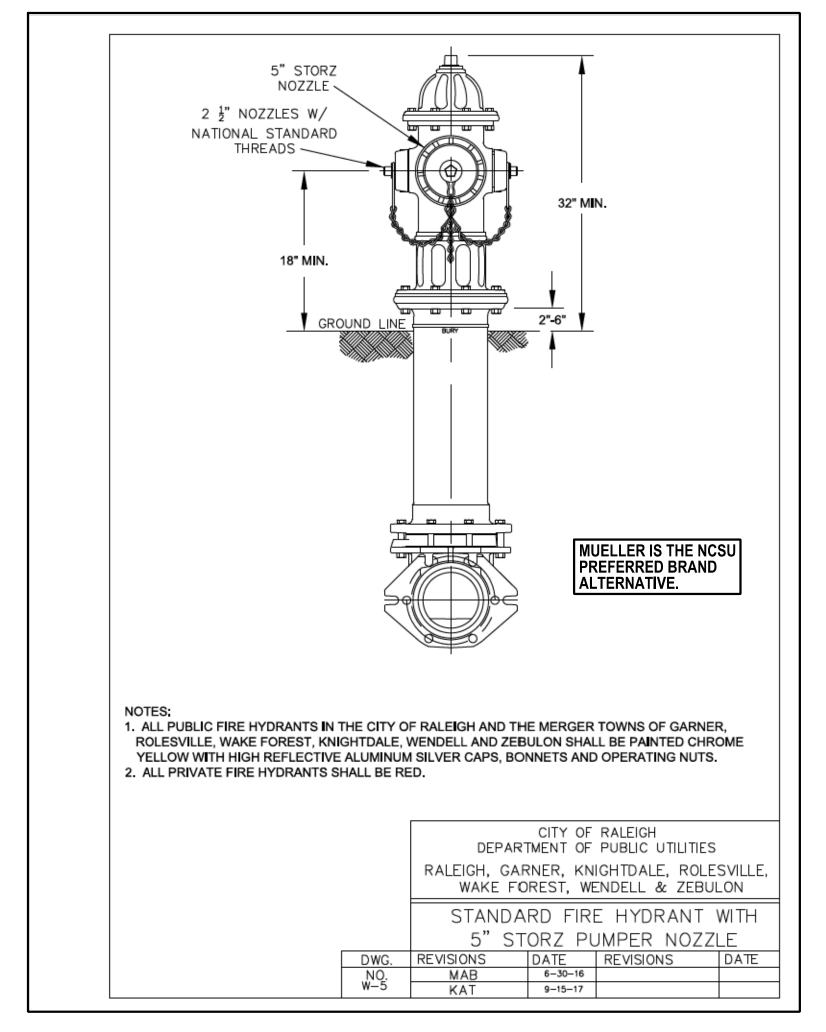
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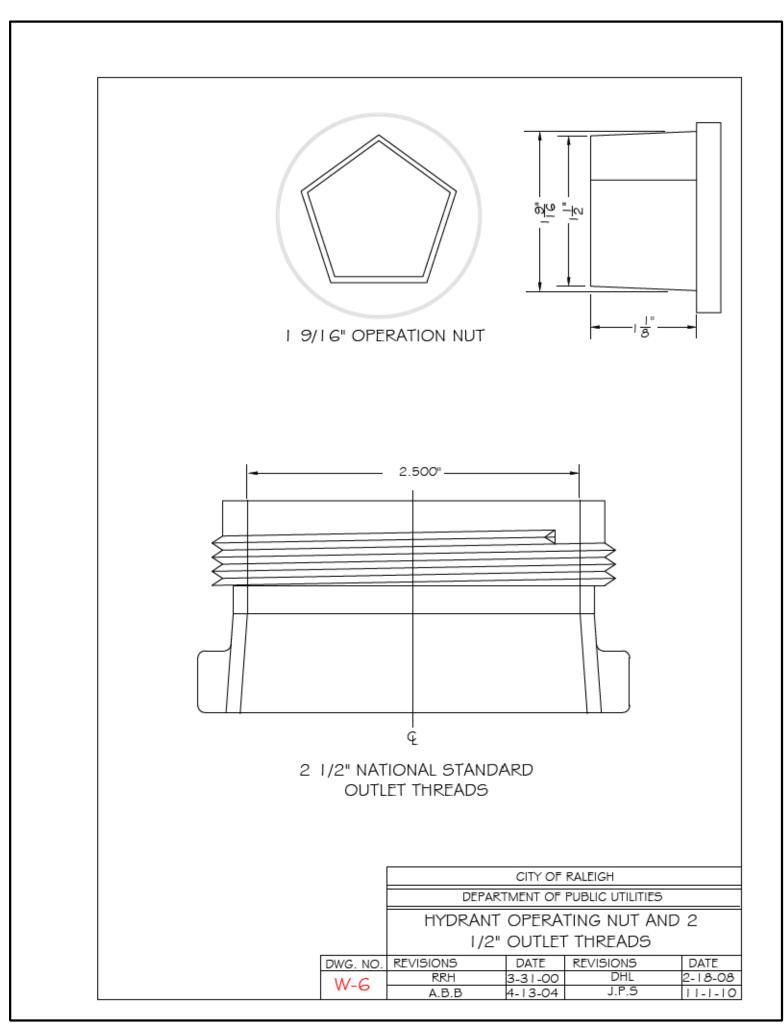
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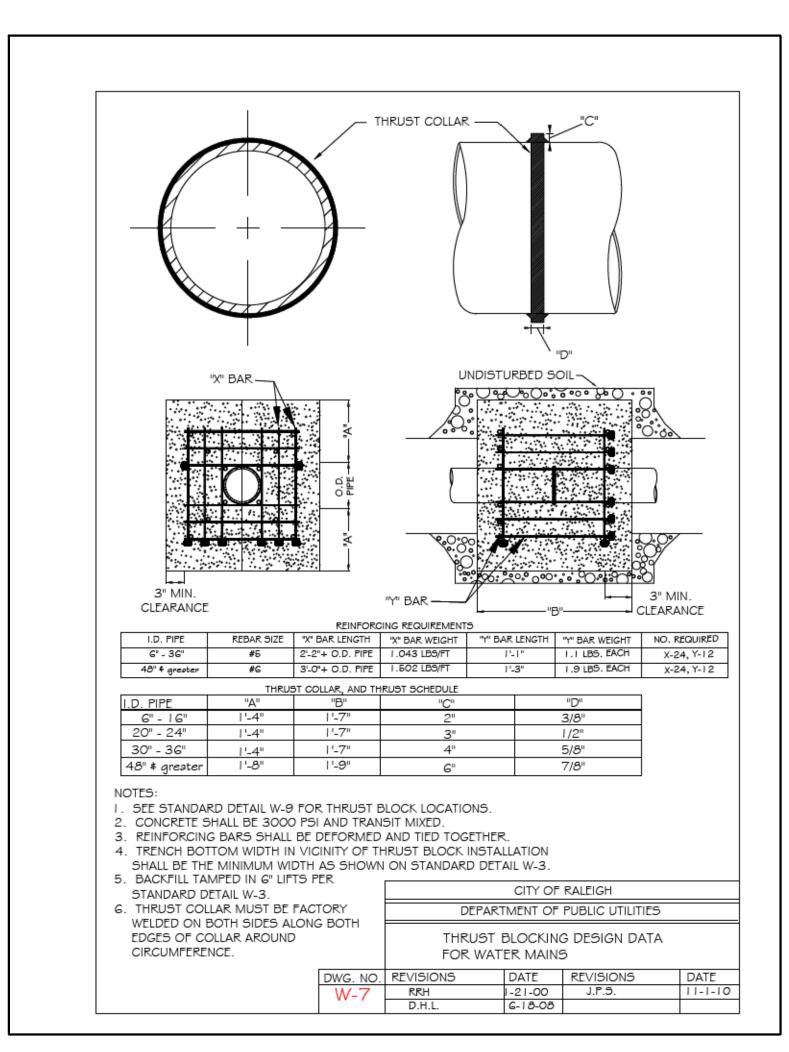


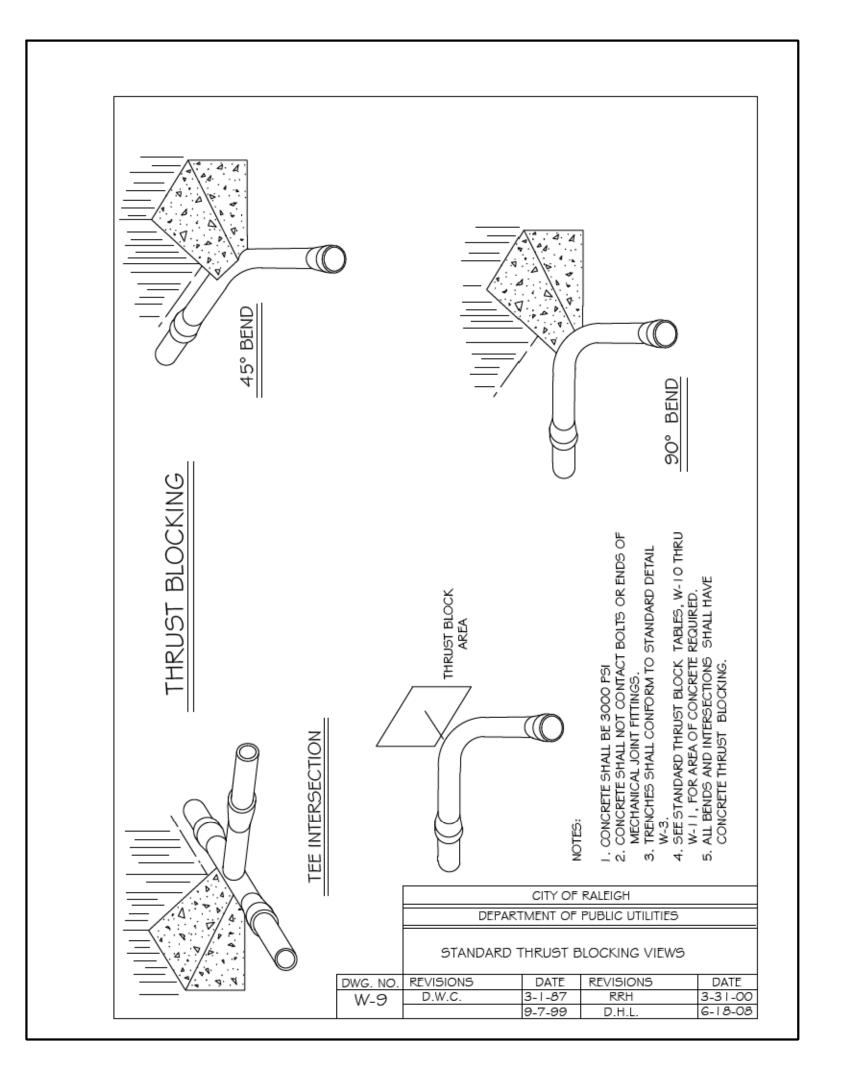


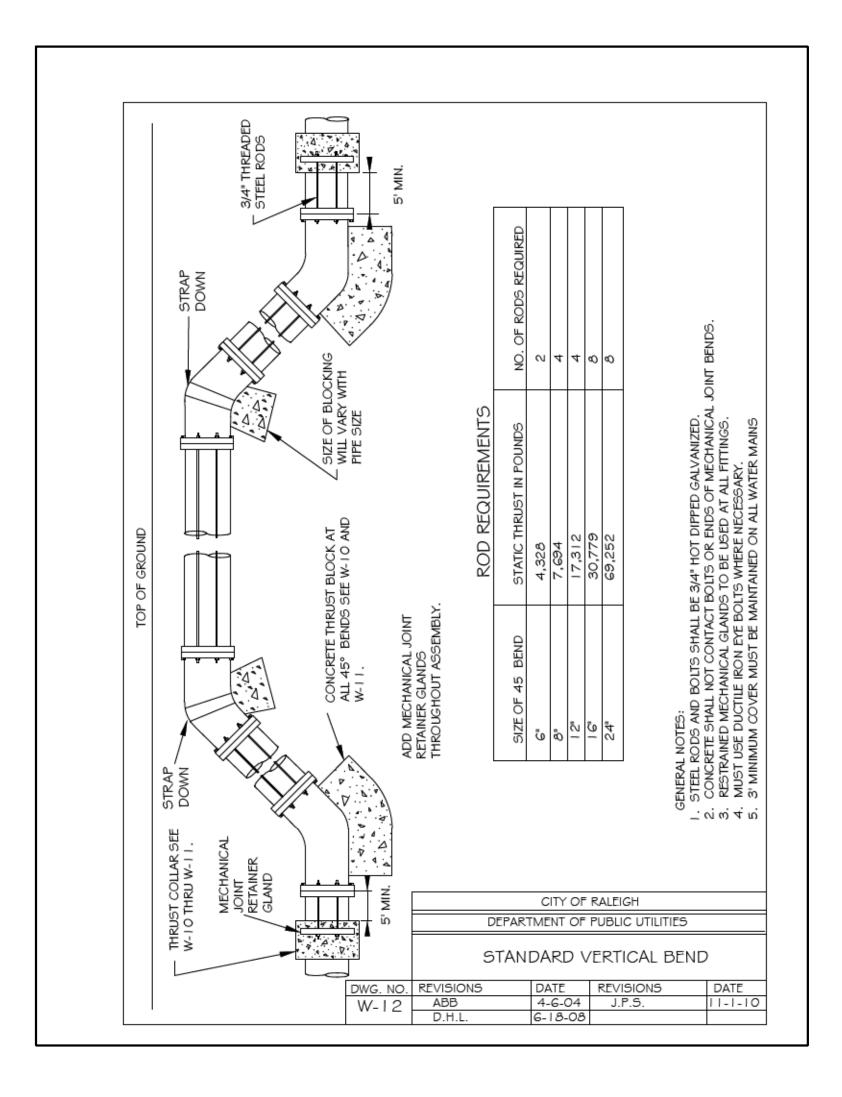












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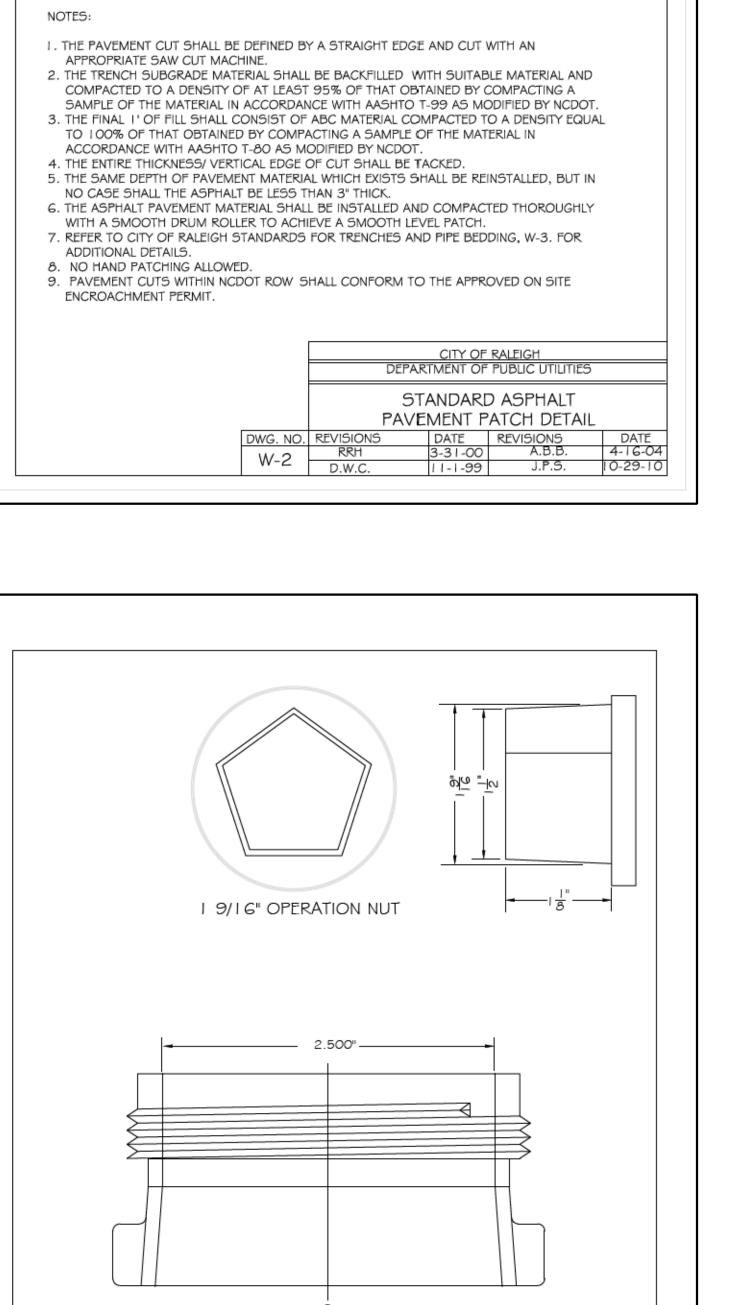
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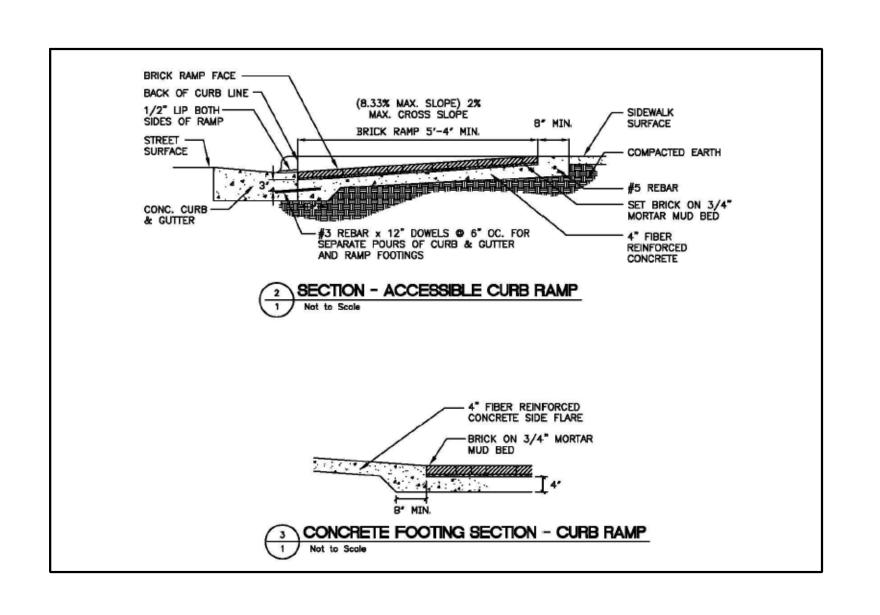
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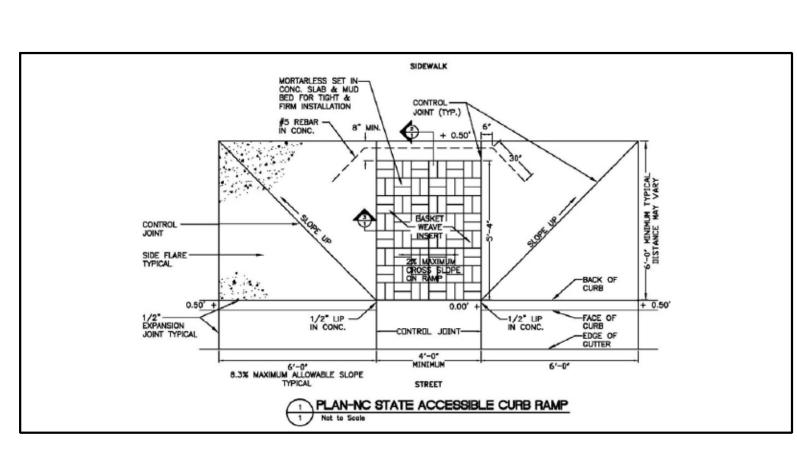
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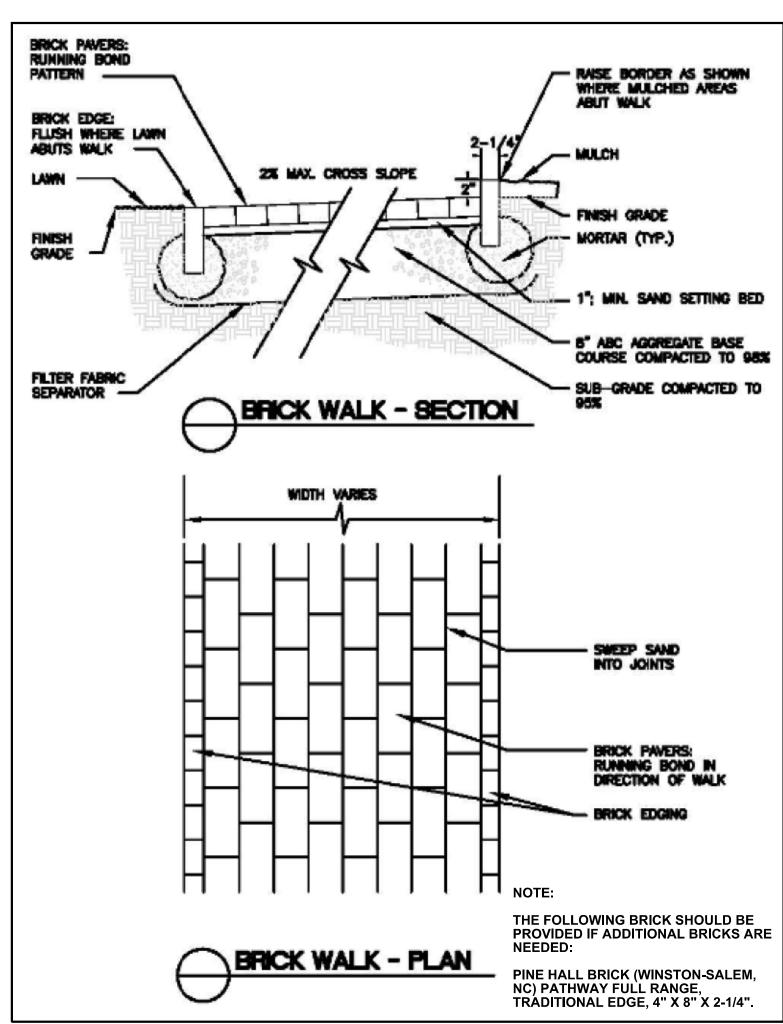
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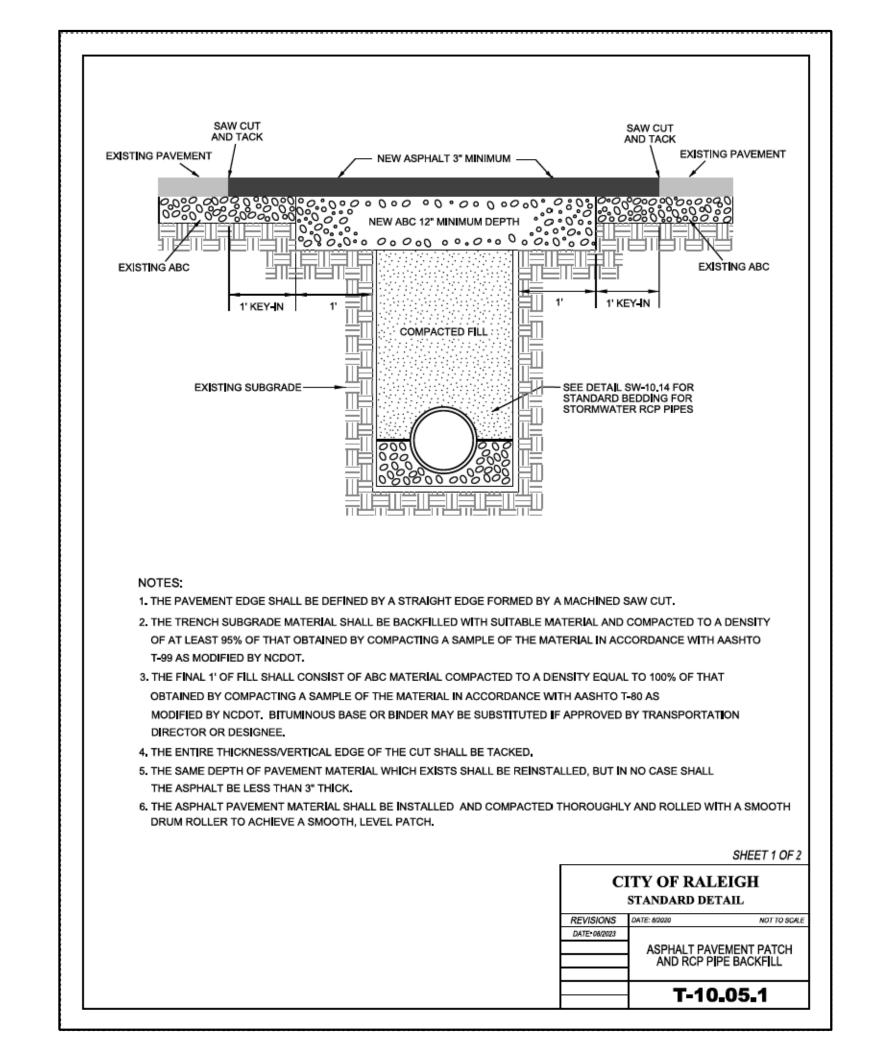
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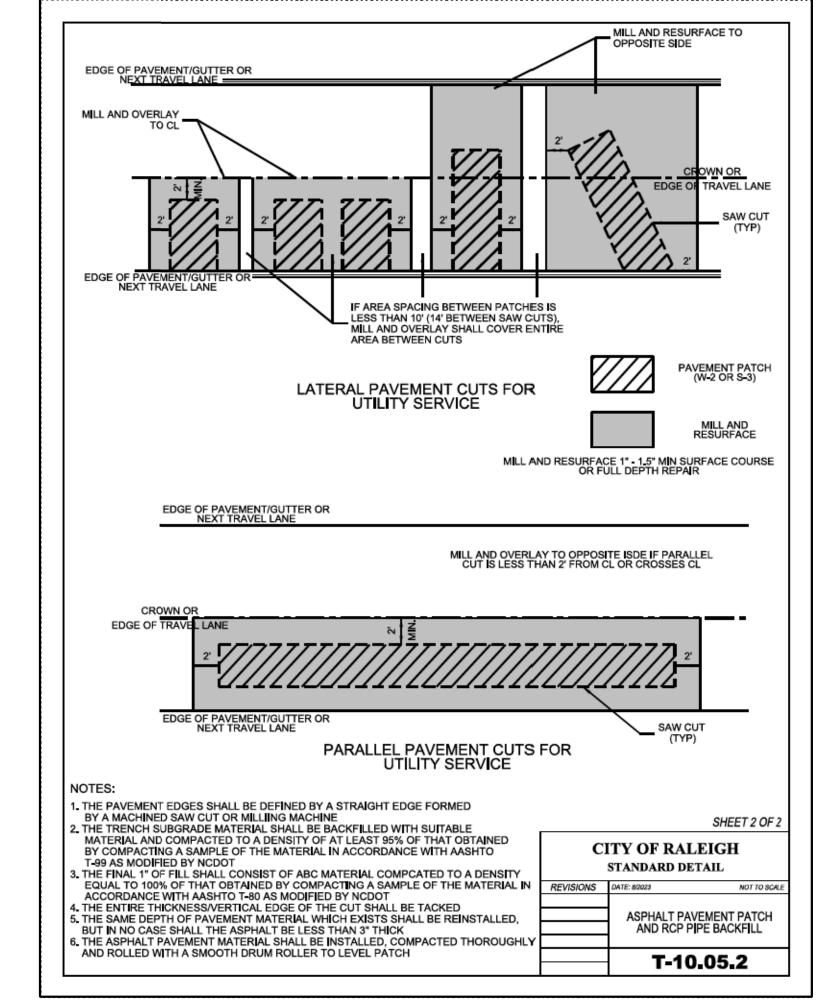
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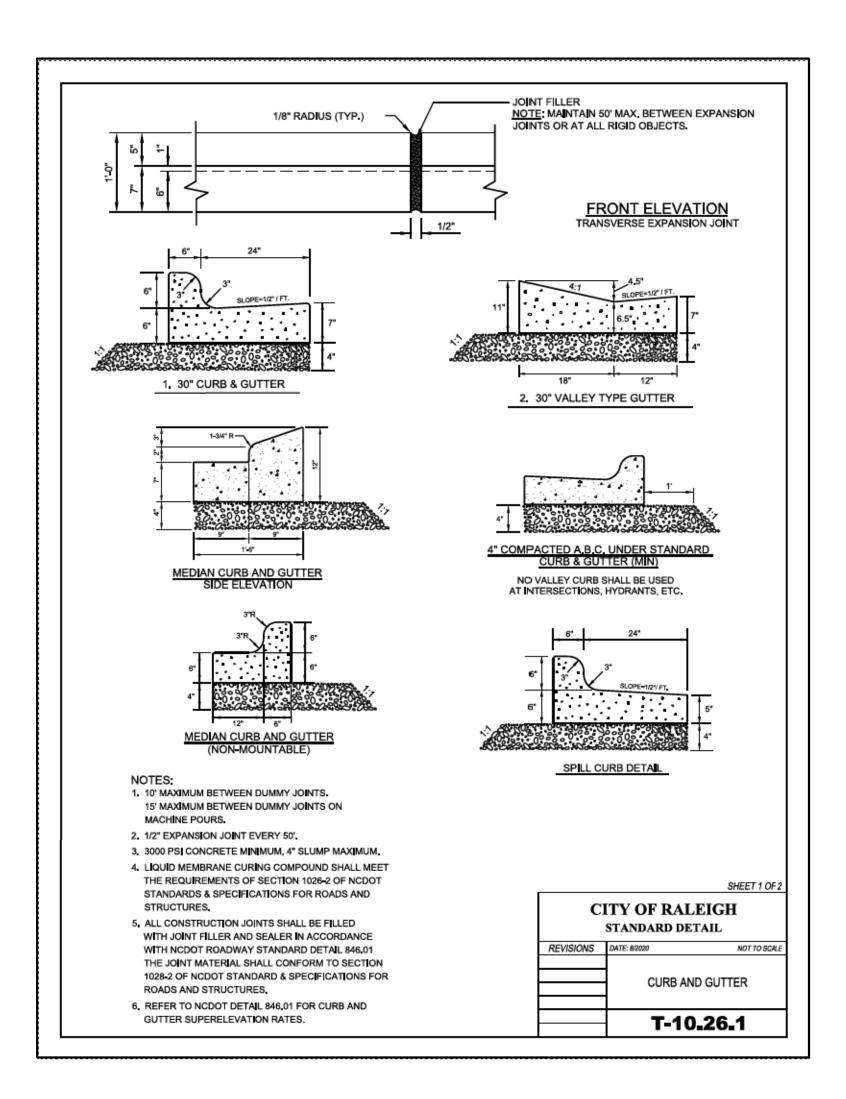


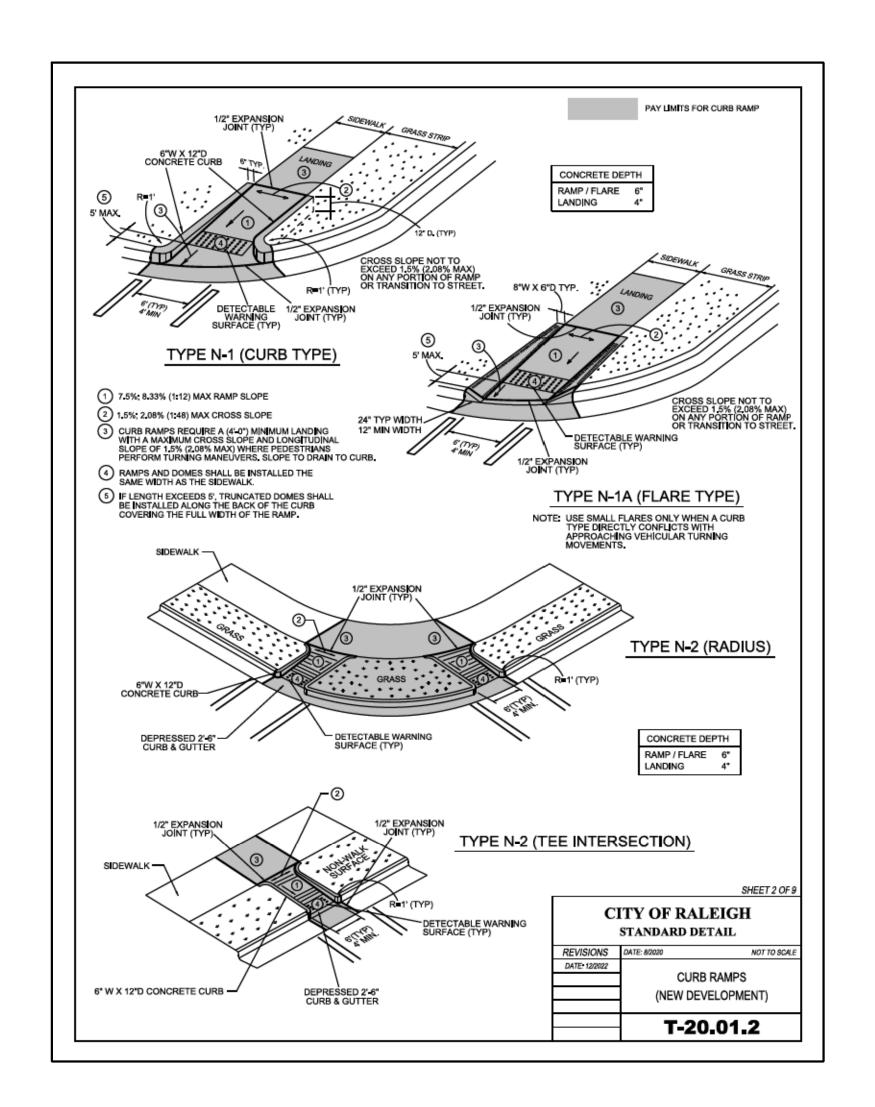


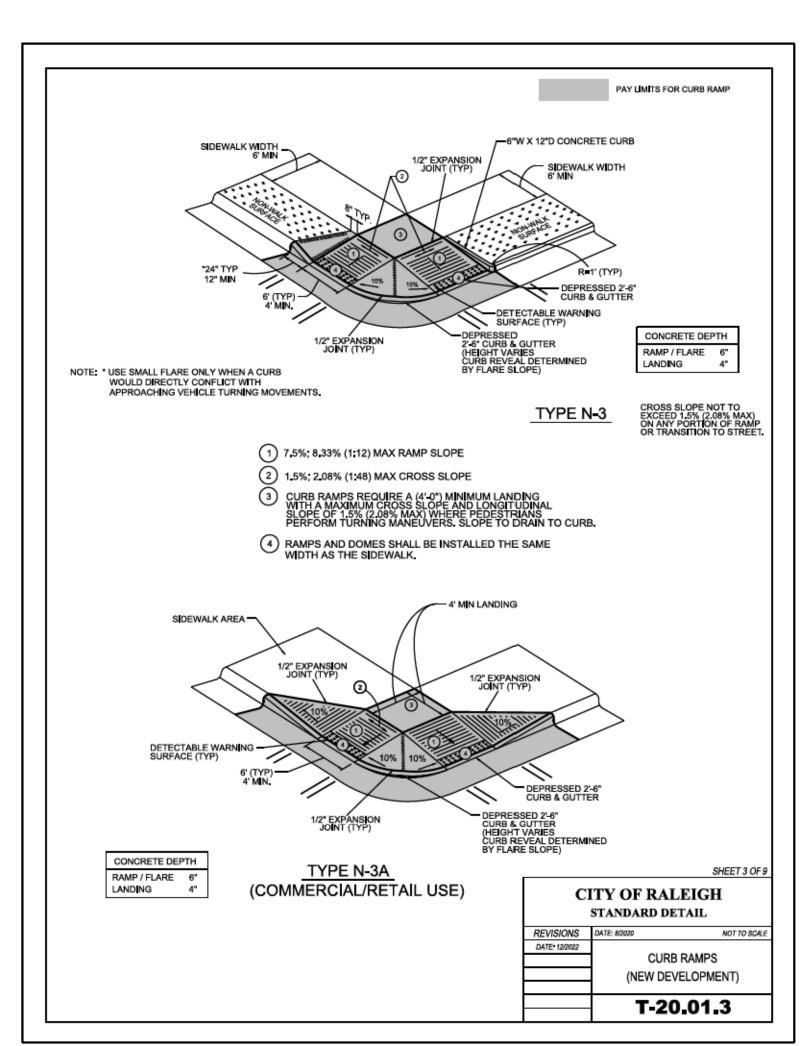


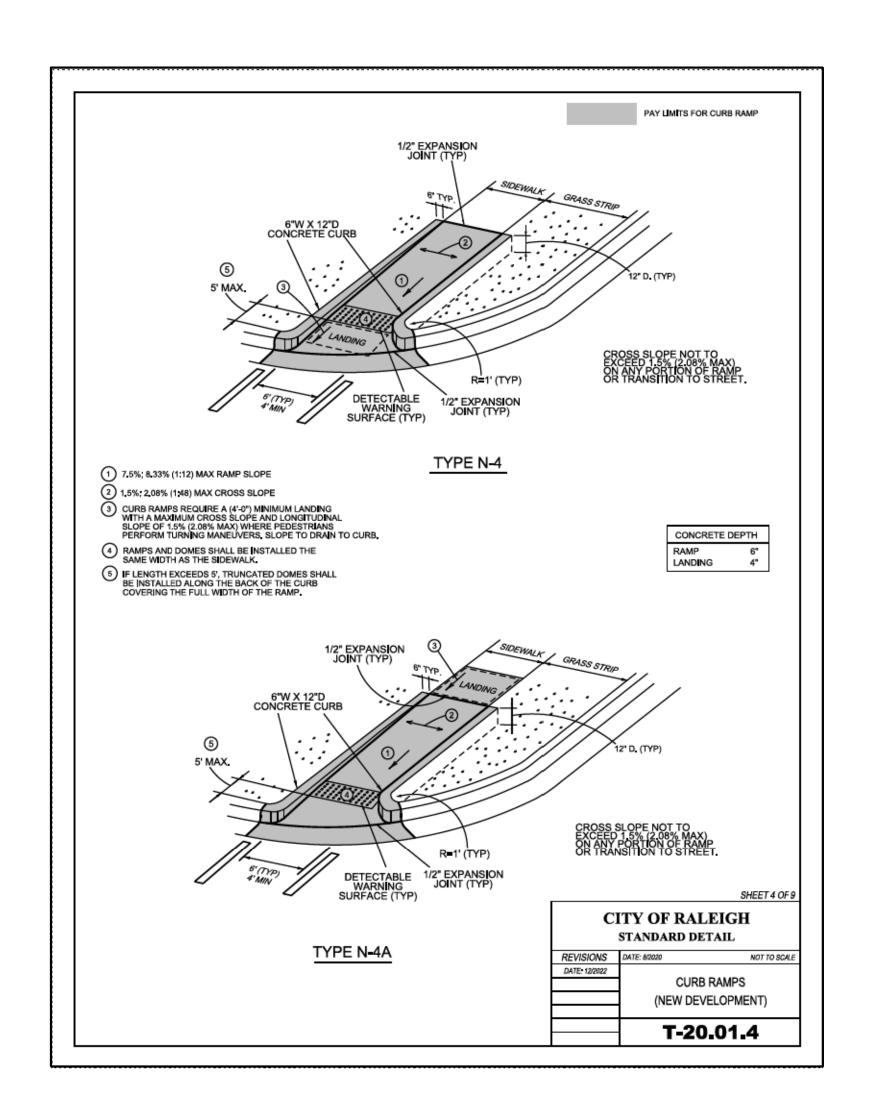












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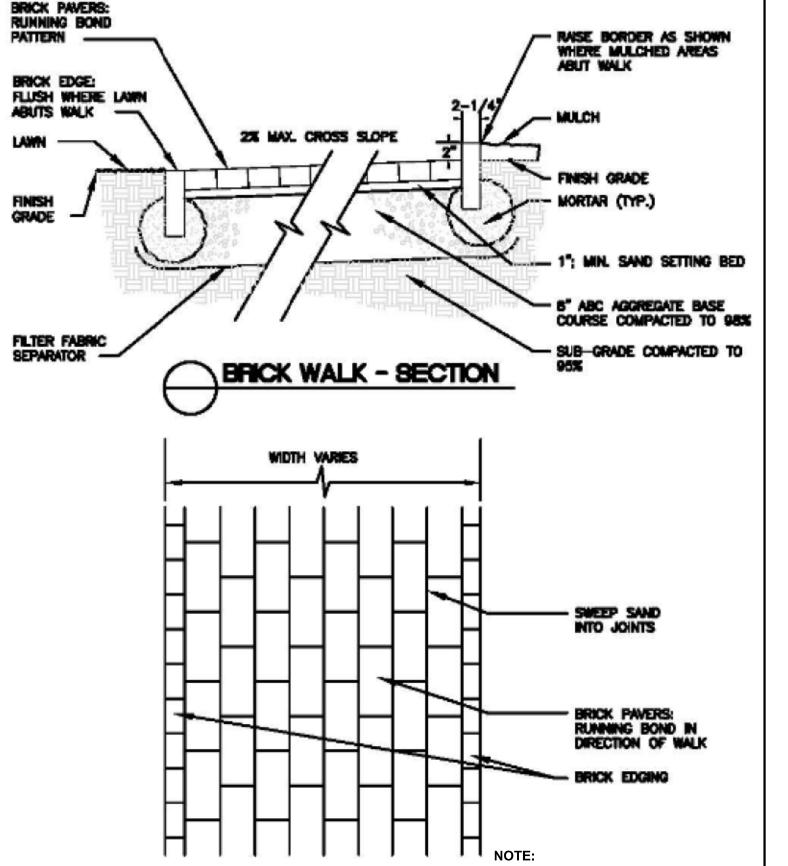
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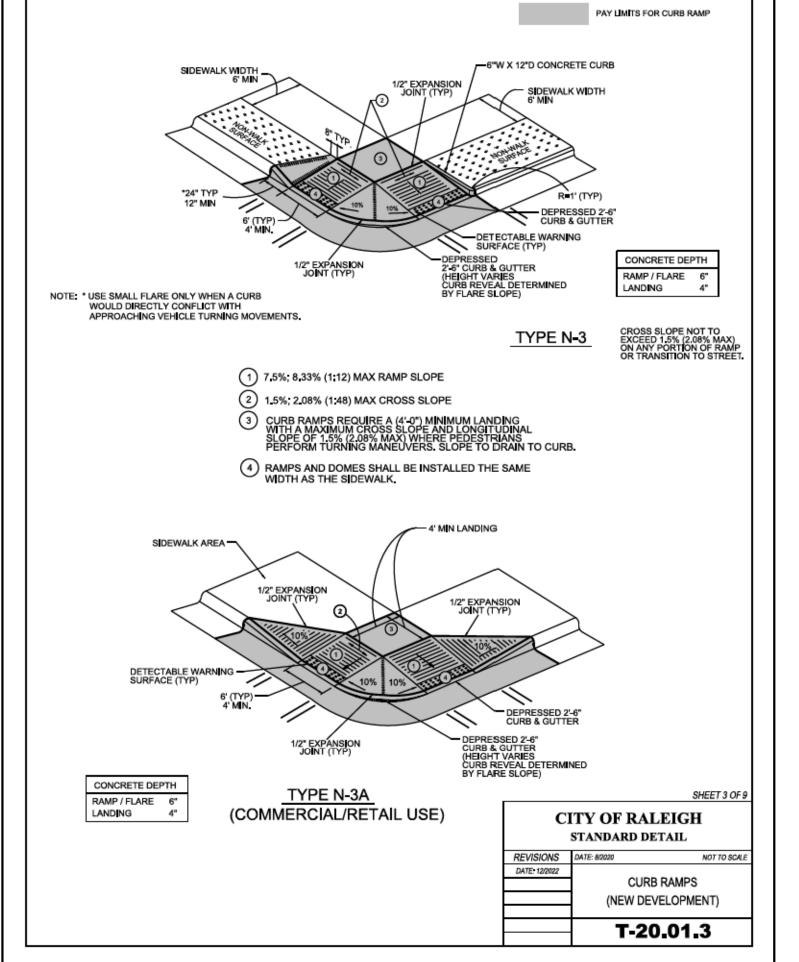
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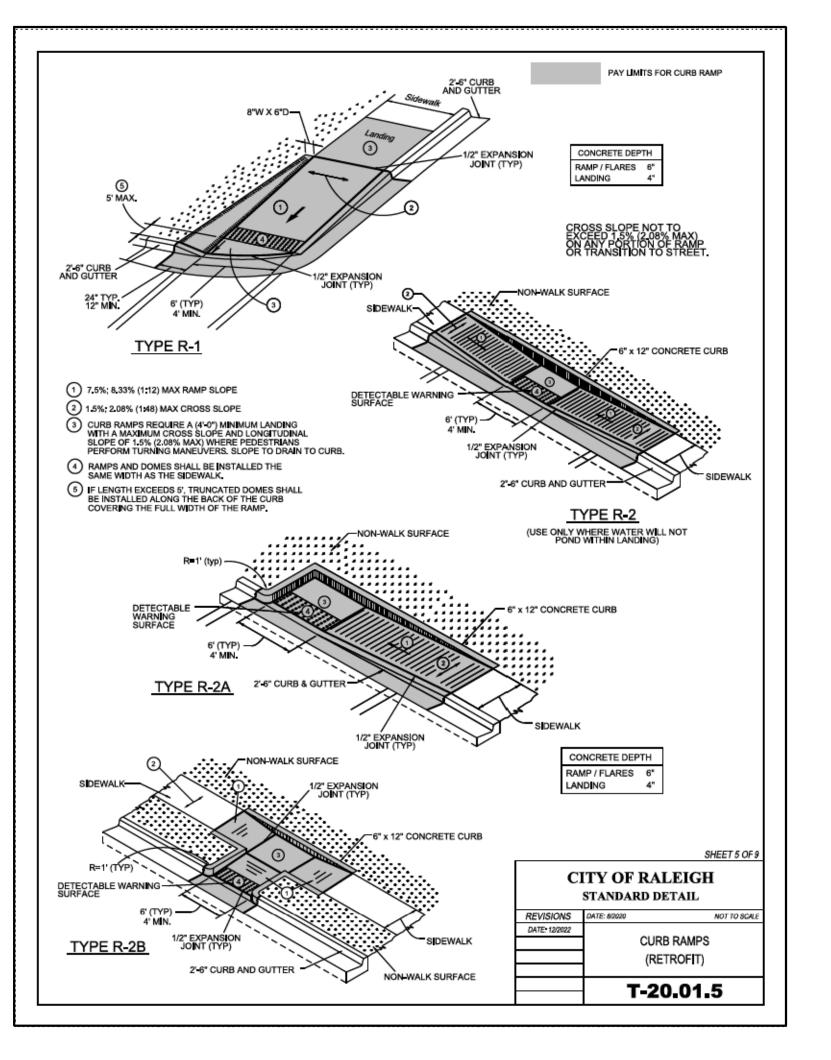
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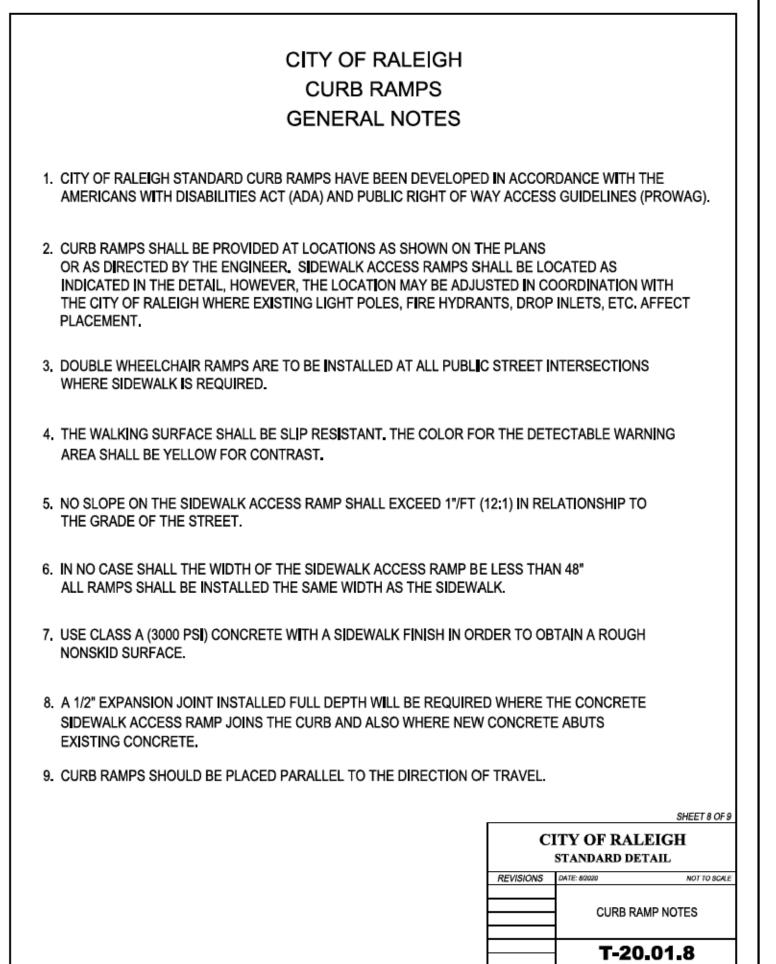
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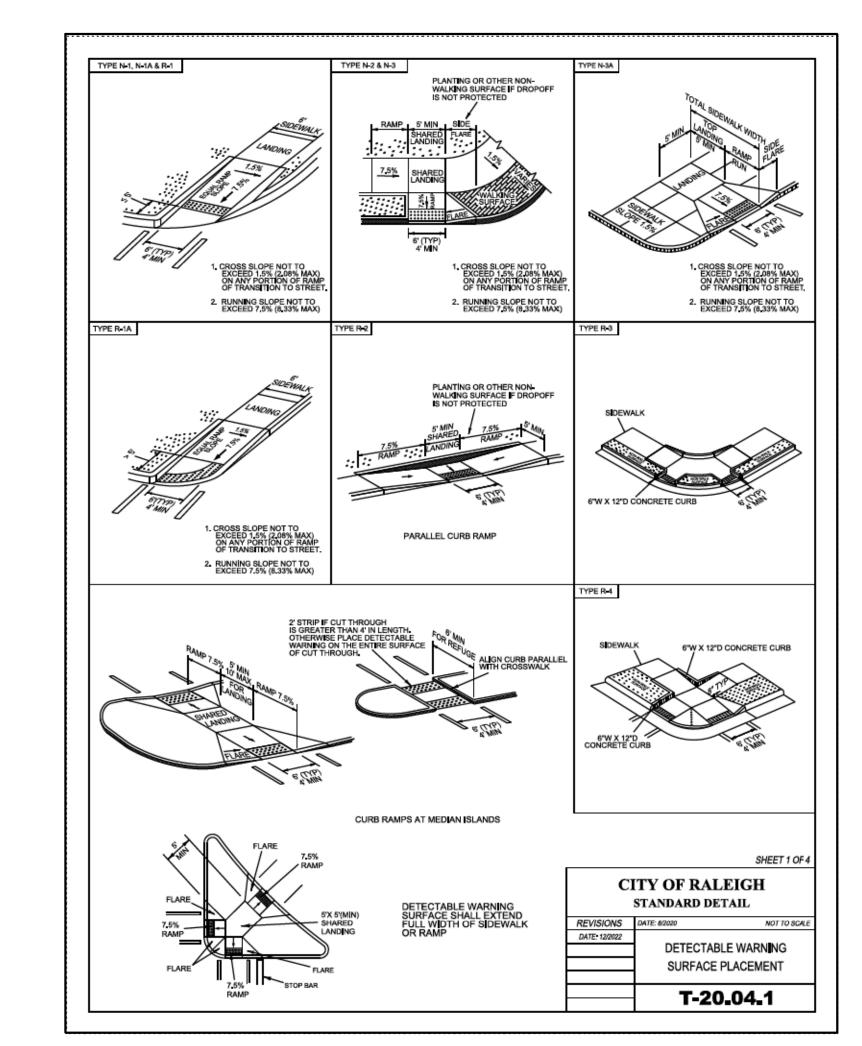
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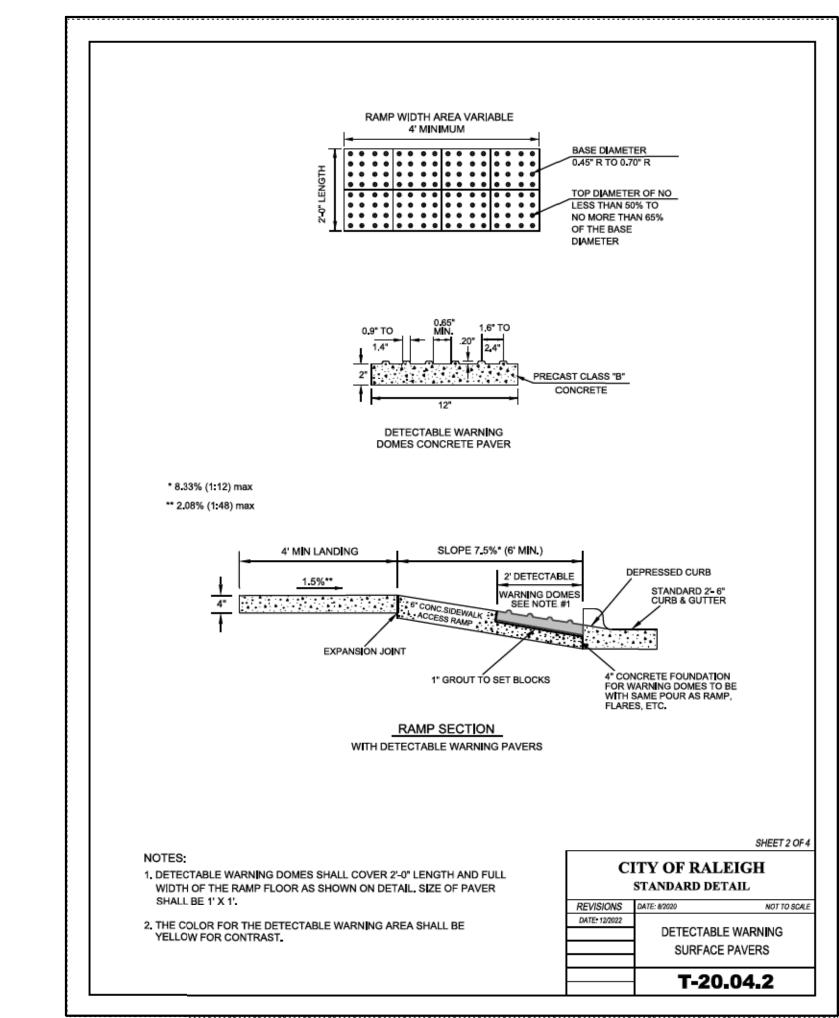


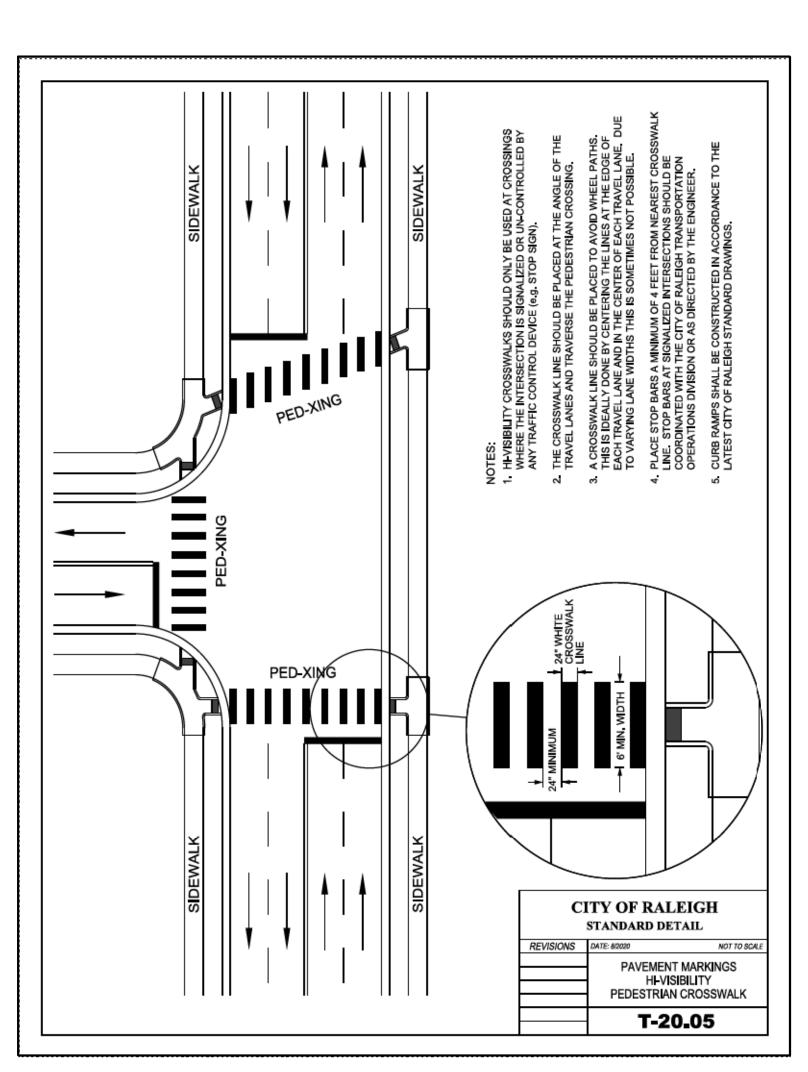


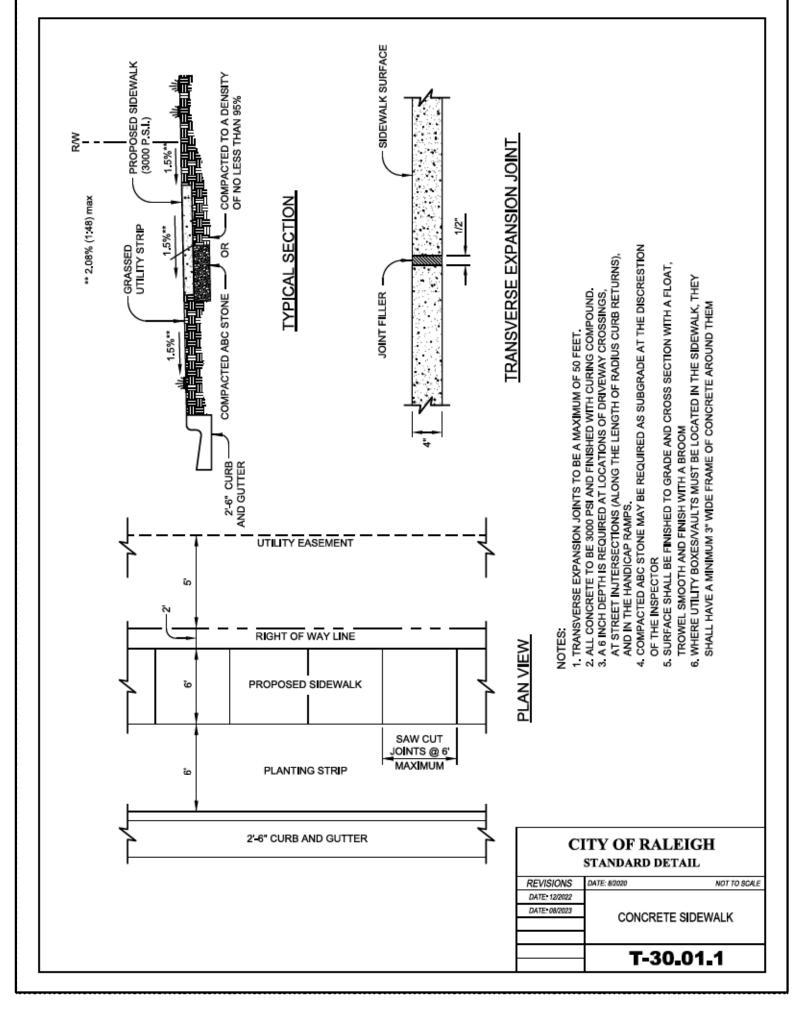


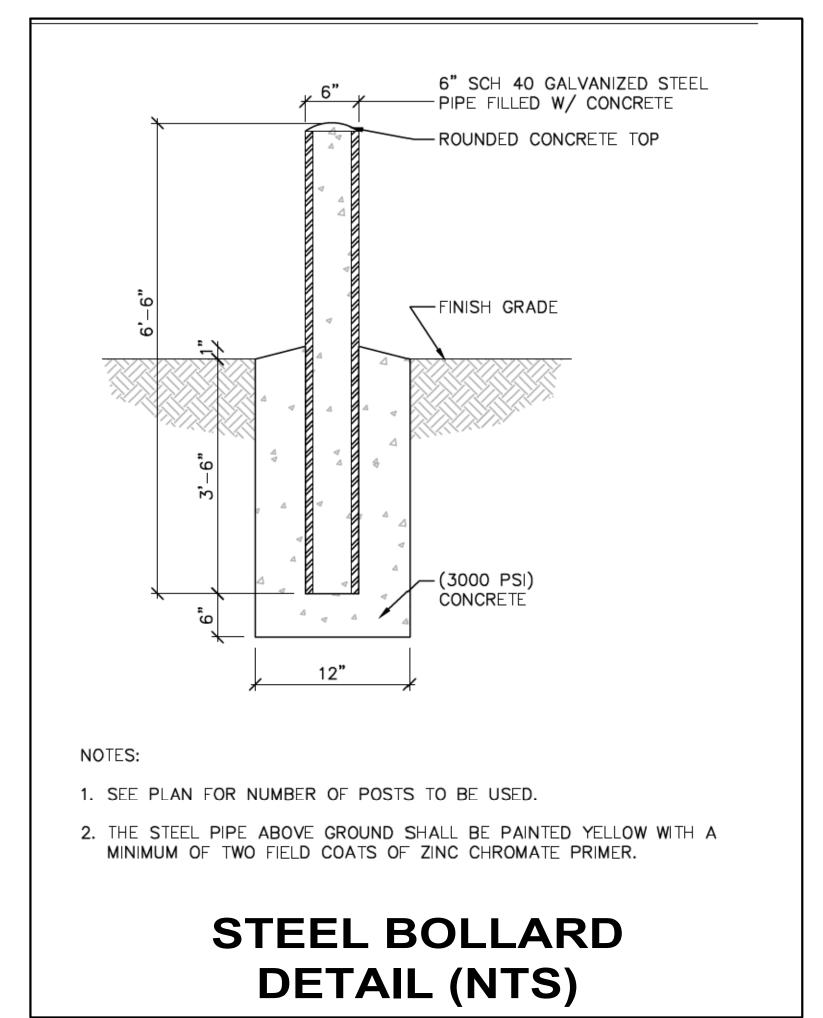


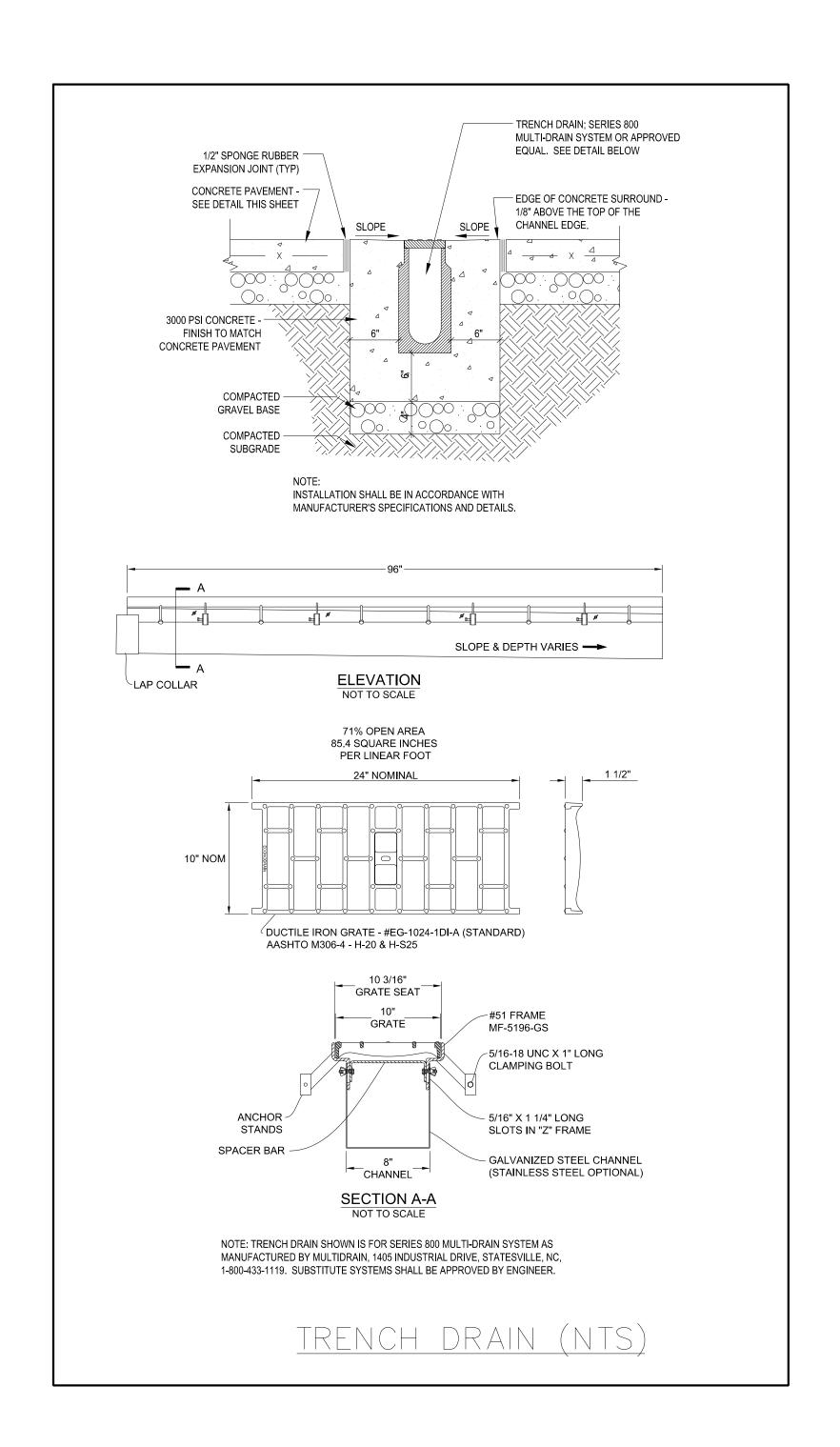












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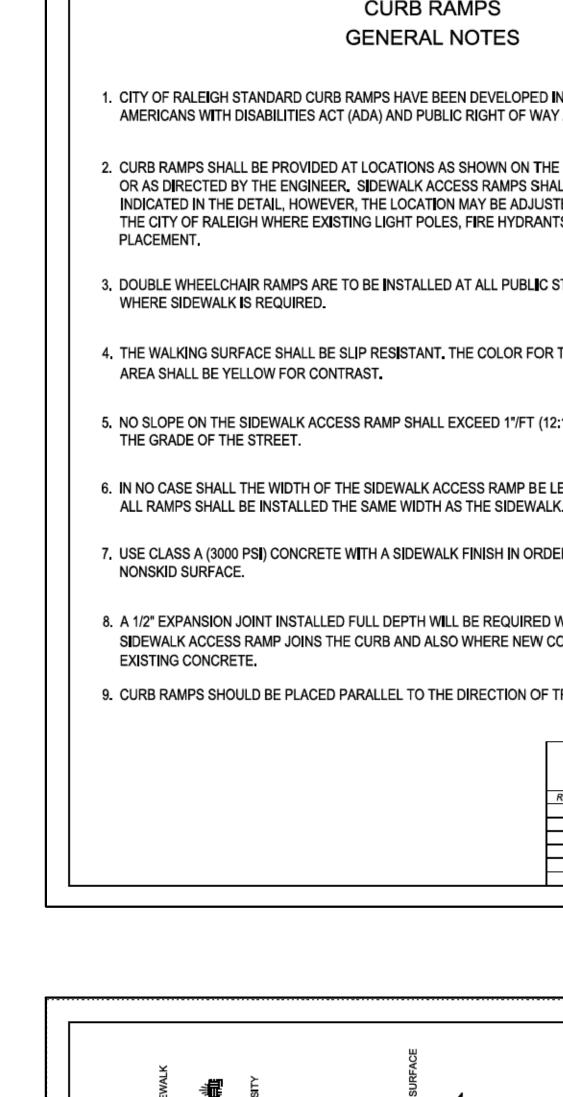
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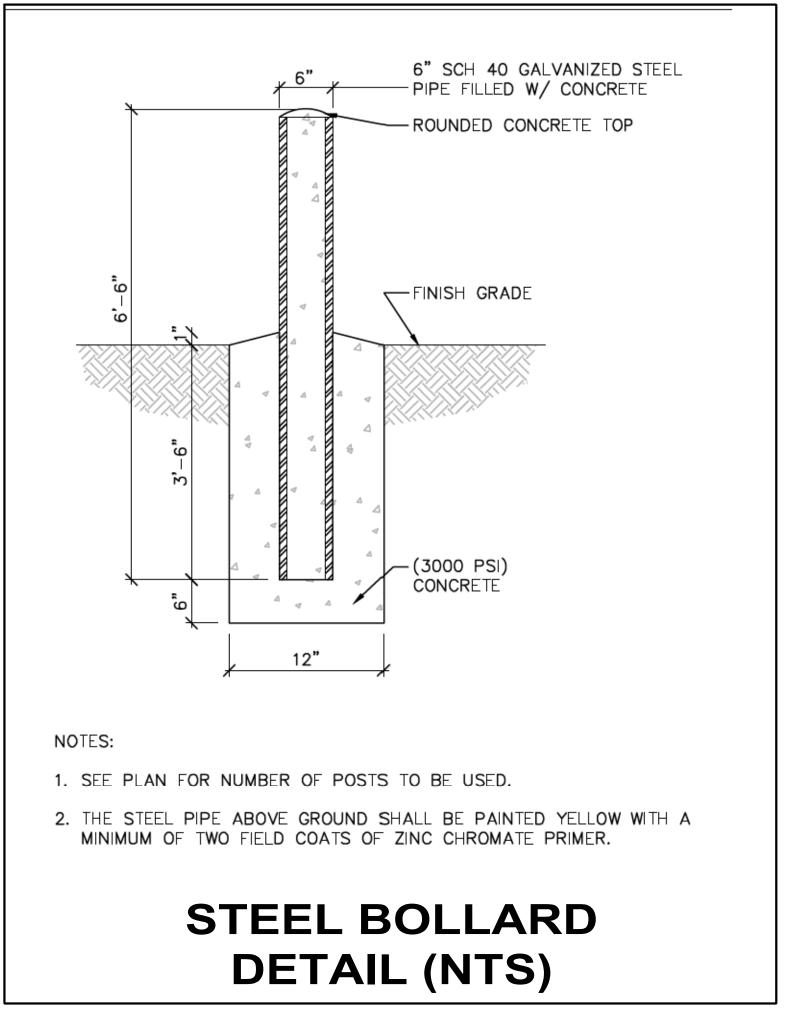
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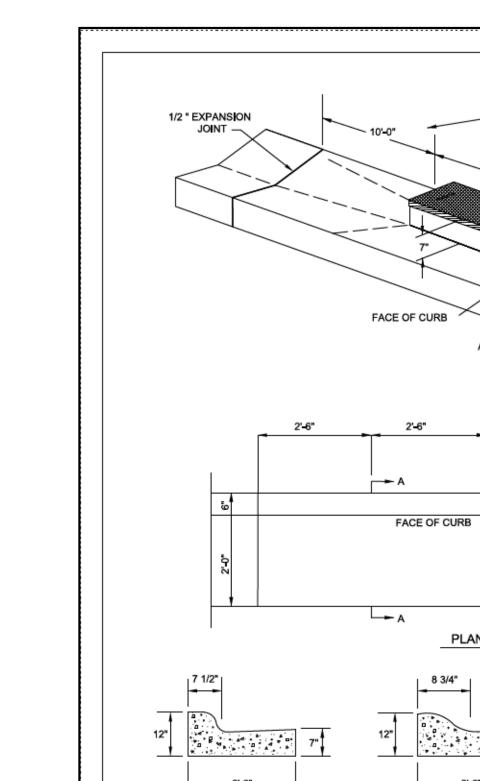
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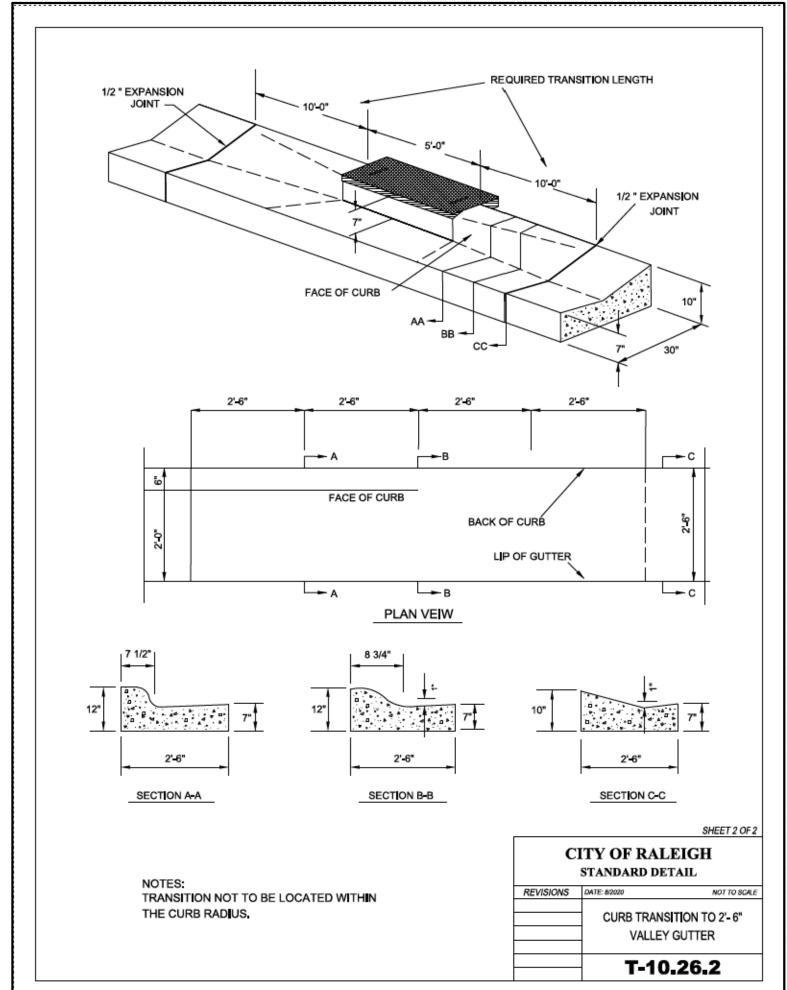
ALL COMPACTION TO BE IN ACCORDANCE WITH THE SPECIFICATIONS.

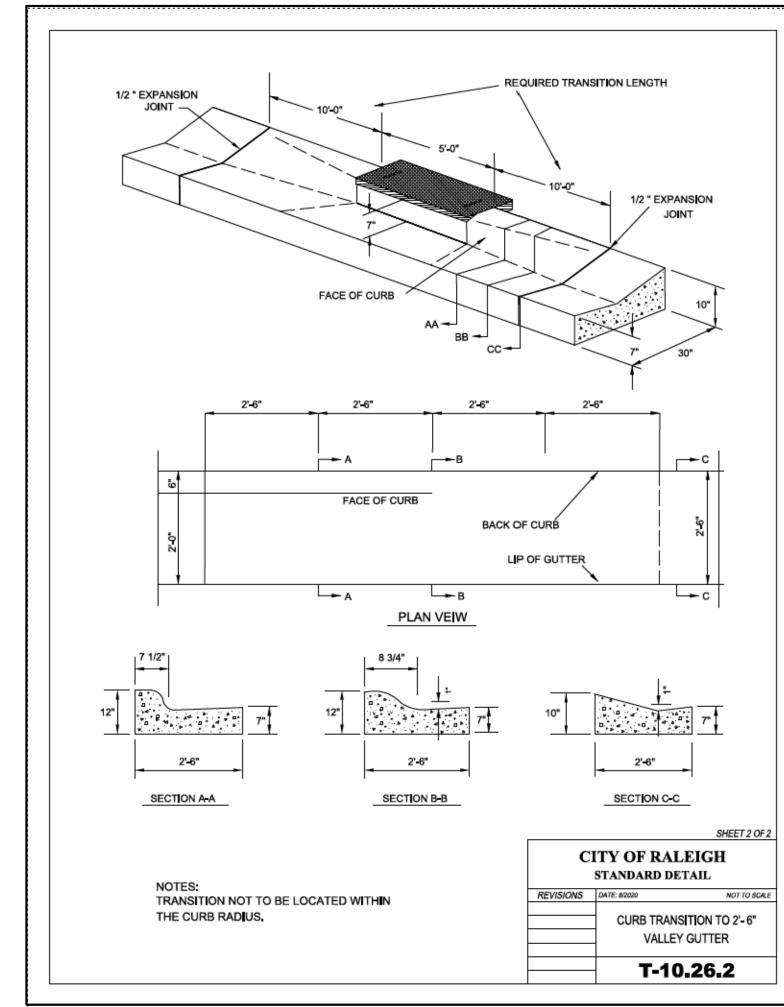
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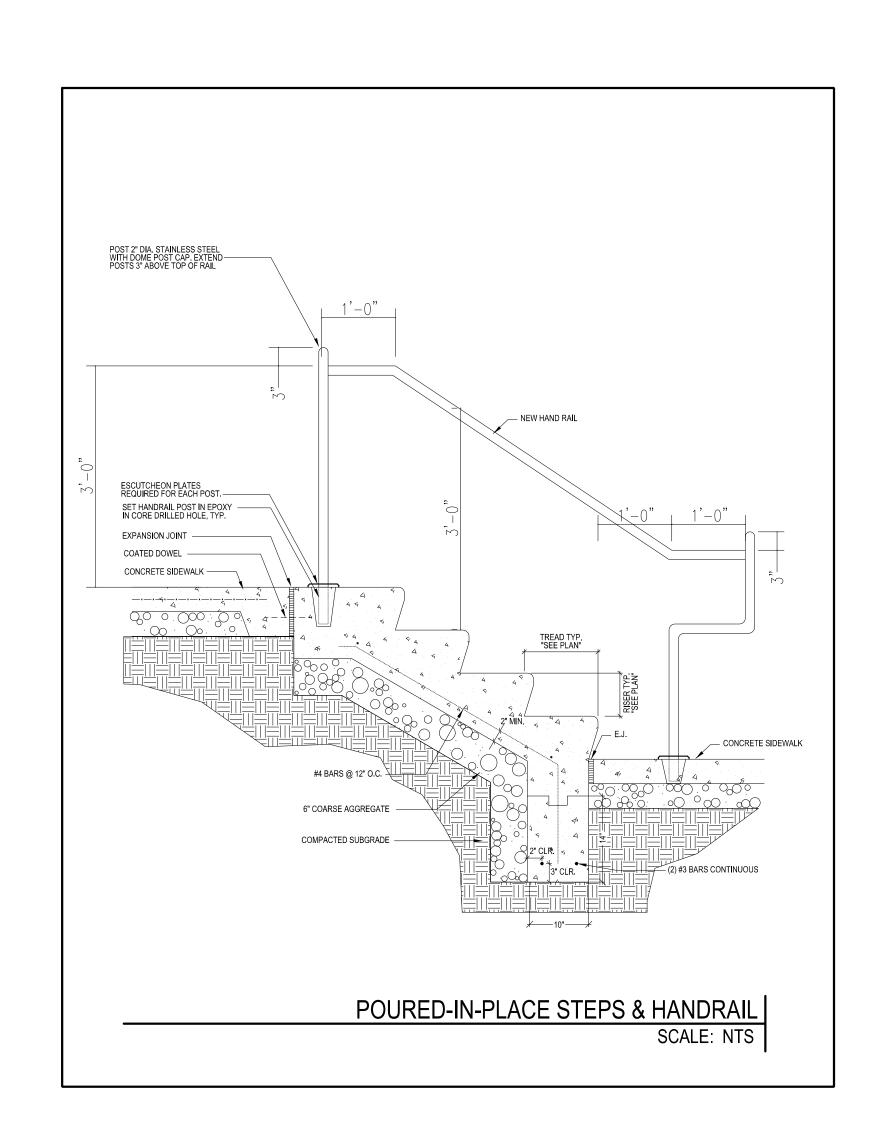
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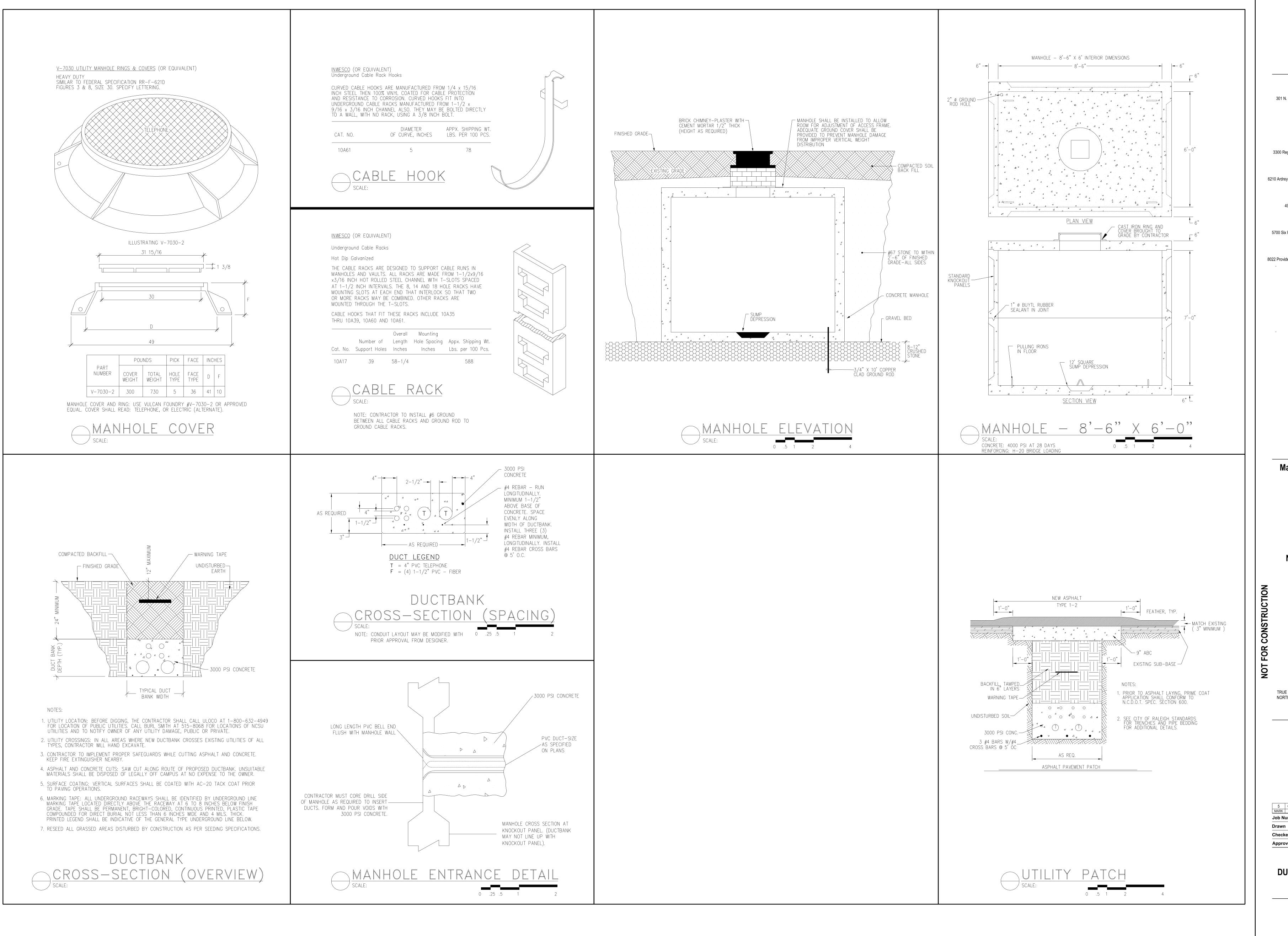
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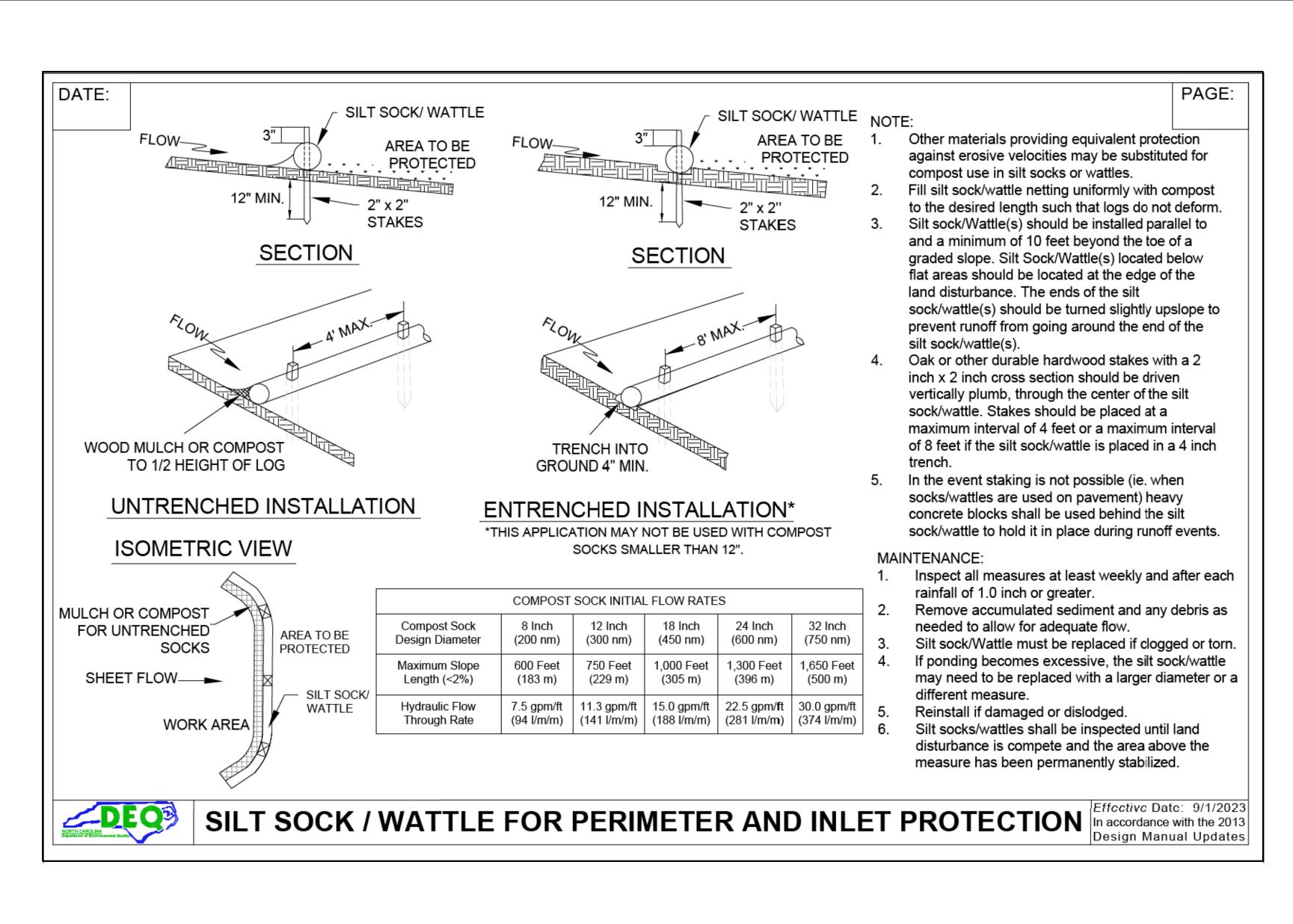
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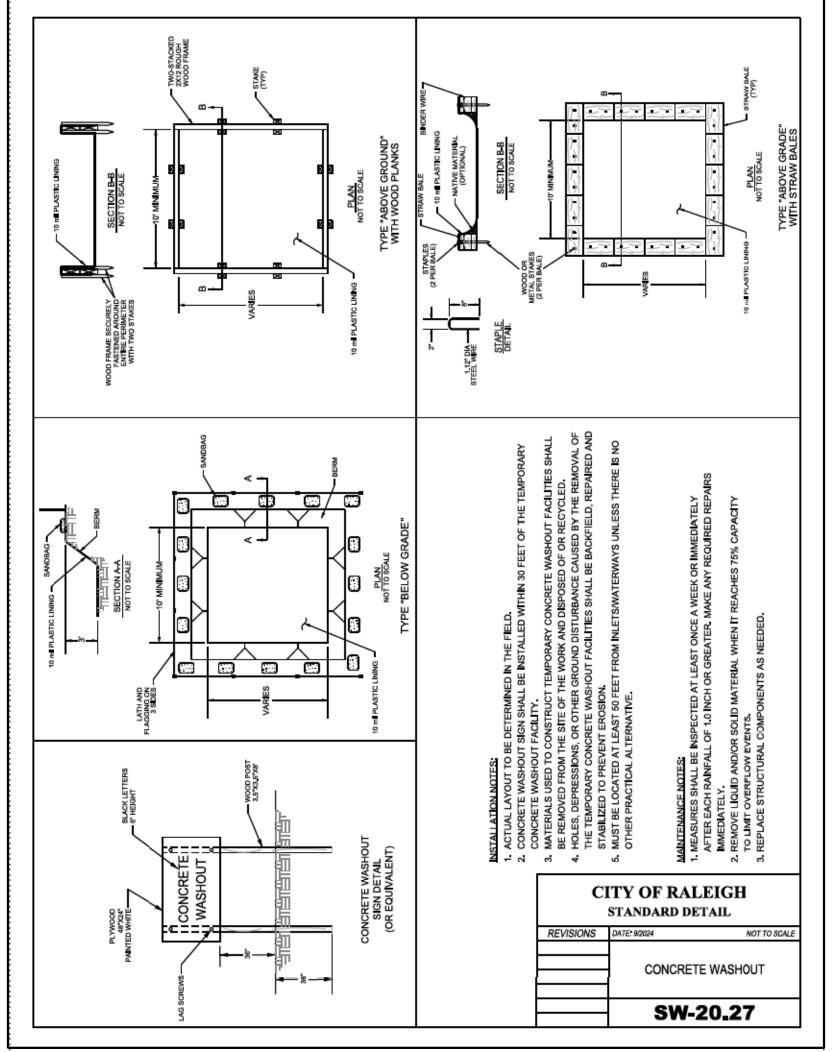
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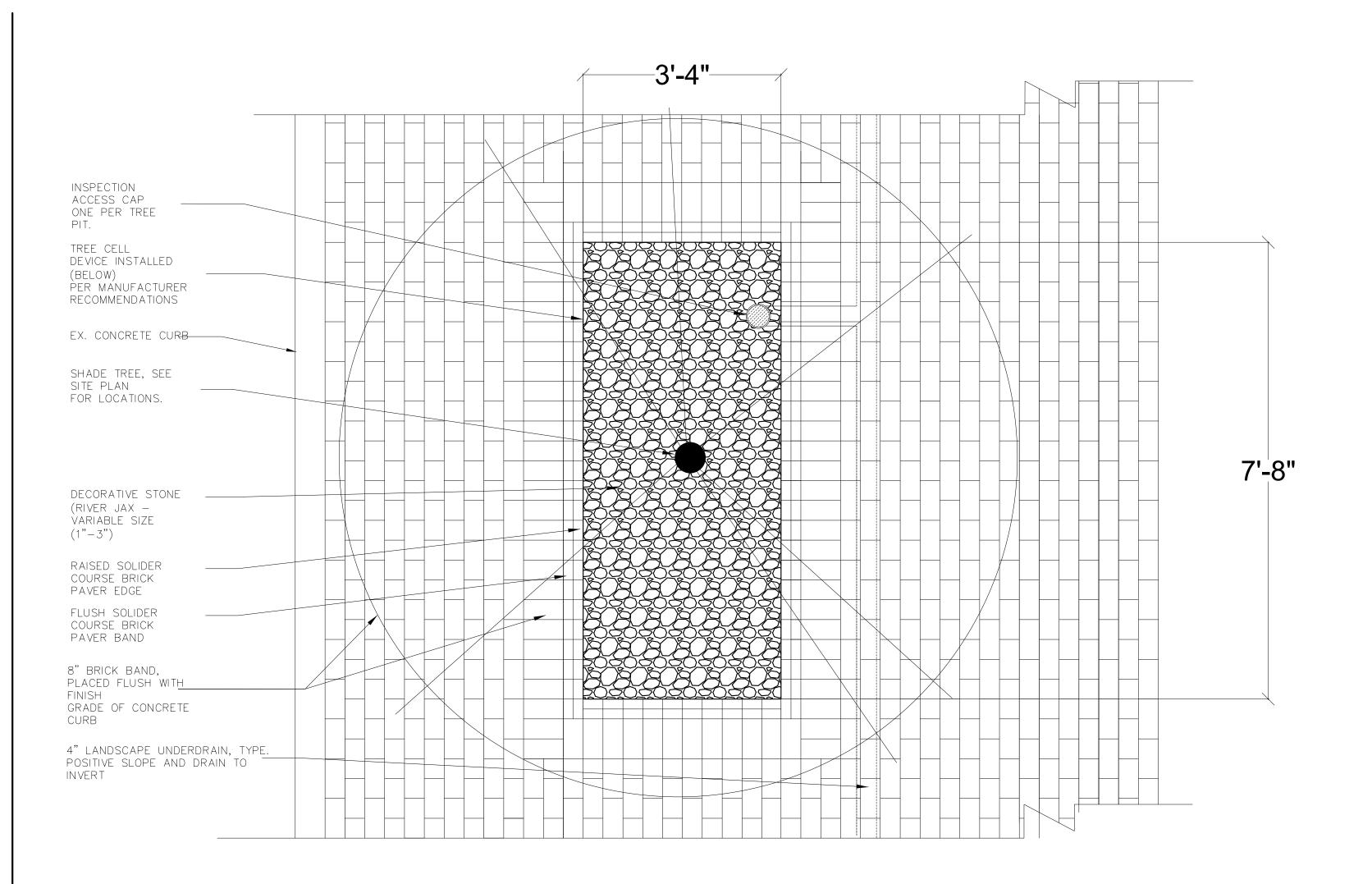
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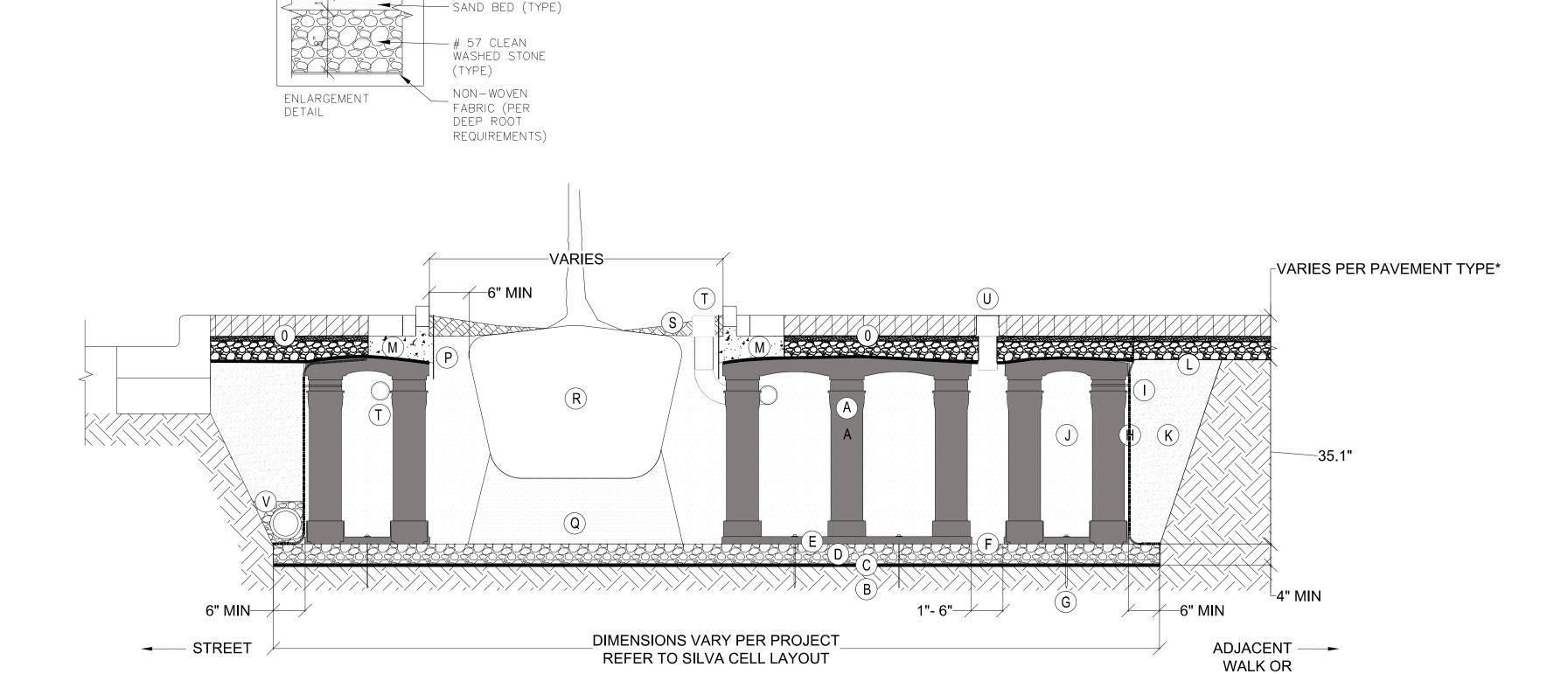
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- POLYMETRIC SAND (TYPE)

--- BRICK PAVER



SILVA CELL SYSTEM 2.5X NOT TO SCALE

PLAN VIEW

INDICATES THE RESPONSBILITY OF NCSU LANDSCAPE SERVICES. ALL REMAINING ITEMS ARE THE RESPONSBILITY OF THE CONTRACTOR.

KEY PLAN

SILVA CELL SYSTEM (DECK, BASE, AND POSTS)

(B) SUBGRADE, COMPACTED

© GEOTEXTILE FABRIC, PLACED ABOVE

SUBGRADE (D) 4" MIN AGGREGATE SUB BASE, COMPACTED TO

95% PROCTOR

(E) SILVA CELL BASE SLOPE, 10% MAX

(F)1" TO 6" SPACING BETWEEN SILVA CELLS ___AT BASE G ANCHORING SPIKES, CONTACT DEEPROOT FOR

ALTERNATIVE (H) GEOGRID, WRAPPED AROUND PERIMETER OF SYSTEM, WITH 6" TOE

(OUTWARD FROM BASE) AND 12" EXCESS (OVER TOP OF DECK)

CABLE TIE, ATTACHING GEOGRID TO SILVA CELL AT BASE OF UPPER LEG FLARE, AS NEEDED

J PLANTING SOIL, PER PROJECT SPECIFICATIONS, PLACED IN LIFTS AND WALK-IN COMPACTED TO 75-85% PROCTOR

(K) COMPACTED BACKFILL, PER PROJECT SPECIFICATIONS

L GEOTEXTILE FABRIC TO EDGE OF EXCAVATION (M) RIBBON CURB AT TREE OPENING (TO BE USED WITH PAVERS

N THICKENED EDGE AT TREE OPENING (TO BE USED WITH CONCRETE)

O PAVEMENT AND AGGREGATE BASE PER PROJECT *

*MINIMUM PAVEMENT PROFILE OPTIONS TO MEET H-20

LOADING PAVEMENT + AGGREGATE BASE COURSE 4" CONCRETE + 4" AGGREGATE + 12" AGGREGATE 3" PAVER 4" ASPHALT + 12" AGGREGATE

2.6" PAVER + 5" CONCRETE

PDEEPROOT ROOT BARRIER, 12" OR 18", DEPTH DETERMINED BY THICKNESS OF PAVEMENT SECTION, INSTALL DIRECTLY ADJACENT TO CONCRETE EDGE

RESTRAINT PLANTING SOIL BELOW ROOT BALL, COMPACTED WELL TO PREVENT SETTLING

BUILDING

ROOT BALL

TREE OPENING TREATMENT, PER PROJECT SPECIFICATIONS

T DEEPROOT WATER AND AIR VENT, ROOTBALL, WHEN REQUIRED

U DEEPROOT WATER AND AIR VENT, WHEN REQUIRED

(V) UNDERDRAIN SYSTEM, WHEN REQUIRED (LOCATION AND

DETAILS BY OTHERS) NOTES 1. EXCAVATION SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE

HEALTH AND SAFETY REGULATIONS 2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS

3. PROVIDE SUPPLEMENTAL IRRIGATION 4. DO NOT SCALE DRAWINGS

411 W Chapel Hill Street, Suite 200 Durham, North Carolina 27701 t 919.433.5300 f 919.433.5301 www.perkinswill.com

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Mann Hall Renovation STATE ID #22-24500-02A NCSU PROJECT # 202220021

North Carolina State University Facilities Division Design & Construction Administrative Services Building III 2601 Wolf Village Way, Suite 331

ISSUE CHART

5 CONSTRUCTION DOCUMENTS 3/25/2025 820937.001 **Job Number** NV5 MDA Checked

MDA

TITLE

STORMWATER **DETAILS**

Approved

SHEET NUMBER

D-109