MR 509 Permit No. 05-266-22 Office Use Only

State of Ohio Department of Transportation Permit

Rte SR83 Log Pt 0.55 Acc Cat

County or Jurisdiction MUS

[1] Subject to all terms, conditions, and restrictions printed, written below and on the reverse side hereof, or attached,

Name: Sheetz. Inc.

Address: 5700 Sixth Avenue Altoona PA 16602

Company Phone: 724-683-5630

is hereby granted a permit under Section 5515.01 and 5515.02 of Ohio Revised Code, and permission to perform work necessary in the manner described and at the location indicated in the following or attached to this permit.

Drive - Commercial - (see attached sheets 4 of 4)

Description of Work: to construct a Sheetz gas station/C-store and diesel facility located along SR. 83 in the Village of New Concord. Some improvements are within the limited access R/W. There will also be a partial median removal and full depth pavement replacement within the limited access R/W. Some utility work will take place in the R/W, however it is NOT within the L/A R/W.

[2] This permit shall be in the possession of employees /agents of permittee on site at all times who are in charge of the work and shall be shown, upon request, to any employee of the Department of Transportation.

Contact ODOT Representative 3 days before work begins, also contact ODOT Representative when work is completed for final inspection.

Failure to notify the ODOT Representative could result in work stoppage!

[3] No work authorized by this permit shall begin until the permittee has contacted and received instructions from

ODOT Representative: Phil Valentine

Phone: 740-452-1421

Email Address: phil.valenting@dot.ohio.gov (ODOT's Muskingum County Manager)

NOTE: Any work performed by the permittee may be stopped if this requirement is not met.

[4] Prior to any excavation in the highway right-of-way, the Ohio811, https://www.oups.org/excavators, must be contacted in accordance with ORC Section 3781.25 to 3781.32. Ohio811 can be reached at 1-800-362-2764 or 811.

[5] If your utility is above ground in any way, you must mark your utility with a fluorescent colored marker that corresponds with the universal OUPS color code. The marker must be no shorter than six feet in height and you must maintain the marker. Guide wires must be marked a fluorescent yellow. Failure to mark as described, will result in the Department of Transportation being held harmless and no reimbursement for damage to your property.

[6] All work requiring persons or vehicles within ODOT right of way shall comply with all applicable requirements of the Ohio Manual of Uniform Traffic Control Devices and Item 614 (Maintaining Traffic) of the Construction and Material Specifications, latest editions. Failure to comply with these requirements will be cause for immediate revocation or suspension of the permit until the proper traffic control devices have been provided.

| [7] The permittee accepts the conditions, terms, and requirements printed, written on, or attached to this permit and understands that failure |
|--|
| to comply fully with those conditions, terms, and requirements or any change in the use of the permit inconsistent with its terms and conditio |
| will be considered a violation and cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subje |
| to appropriate Department action, up to an including removal of the installation at the permittee's expense. |

| [8] Performance Bond Required? _ | Yes N | lo Company |
|----------------------------------|-------------------|------------|
| Effective Date | Expiration Date _ | Amount \$ |

[9] This permit shall be void if the work described herein does not comply with the conditions, terms, and requirements applicable to this permit, and if the work is not completed by 01/01/2023

Dated 07/01/2022

Rev 5/6/2021 General Provisions Applicable to All Permits (Sections 5515.01 and 5515.02 of O.R.C.)

- [1] This permit is not a substitute for satisfying the rights or obligations of any other party who may have an interest in the underlying fee interest.
- The granting of this permit does not convey to the permittee or to the property served any rights, title, or interest in state highway rights of way or in the design or operation of the state highway; or in any way abridge the right of the Director of the Department of Transportation in his jurisdiction over state highways. If, in the process of any future work or for the benefit of the traveling public, it becomes necessary, in the opinion of the Director of Transportation to order the removal, reconstruction, relocation, or repair of any of the fixtures, or work performed under this permit, said removal, reconstruction, relocation, or repair shall be wholly at the expense of the owners thereof or the permittee and be made as directed by the Director of Transportation and within the time determined by the Director. Such changes in the state highway design or operation, necessary for improved safety and operation or for the benefit of the traveling public, shall not require a permit modification since the permit confers no private rights to the permittee over the control of t he state highway.
- [3] The District Deputy Director acts for and on behalf of the Director in issuing and carrying out the provisions of all permits. The District Deputy Director has full authority to ensure that all provisions of the permit are met and to reject any materials, design, and workmanship that do not meet applicable Department standards. The District Deputy Director, at his/her discretion, may require a performance bond or certified check as a prerequisite to the issuance of a permit.
- [4] Failure on the part of the permittee to comply fully with the provisions and conditions of the permit will be cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Departmental action. By accepting the permit, the permittee agrees to comply with all conditions, terms, and restrictions printed or written on or attached to the permit. If the permittee or its agent performs any work contrary to the conditions of the permit or to the instructions of the District Deputy Director and, after due notice, fails to correct the problem, the Department of Transportation may, with or without notice, correct or remove such work and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all results of such work.
- [5] The permittee shall indemnify and hold harmless the State of Ohio, Department of Transportation, its officers, representatives and assigns, from any and all loss, liability, damages, litigation costs, and claims for injury or death to any person, property, or business caused by or resulting from any act, omission, event, consequence, or occurrence, negligent or otherwise of the permittee, its employees, agents, or assigns as a result of the issuance of this permit.
- [6] All work authorized under the permit shall be performed to the Department's satisfaction, and the entire expense shall be borne by the permittee. No work shall be performed until the permittee has contacted the Department's appointed representative named on the permit and received instructions. The Department's representative may inspect all work covered by the permit, or the Department reserves the right, during the time any or all of the work is being performed, to appoint an inspector over the work who shall represent the interest of the State on the work and any compensation arranged for shall be paid wholly by the permit holder. Work not in compliance shall be halted and the District Deputy Director shall be notified of the cause. The permittee shall be notified of the Department's determination and given an opportunity to correct the problem. If the problem is not corrected timely or to the satisfaction of the Department, this permit will be revoked.
- [7] Failure to complete all work within the time specified on the permit shall void the permit, thereby making the permit illegal and subject to appropriate Departmental action. The permittee may request an extension in writing from the District Office, explaining why the extension is necessary and when the work is expected to be completed.
- [8] All work infringing on the pavement or shoulders shall comply with applicable standards and requirements regarding traffic control devices. Failure to comply will be cause for revocation or suspension of the permit. Any closure of lanes or shoulders shall be described in terms of location, duration, time of day, etc. Such work shall not begin until all traffic control devices are in place.
- [9] If any grading, sidewalk, or other work allowed by a permit interferes with the drainage of the highway in any way, such catch basins and outlets as necessary shall be constructed to take proper care of said drainage and any materials such as pipes and tiles damaged during any installation or repair by the permittee or its employees or agents shall be repaired immediately at the sole cost of the permittee. Permittee shall timely notify the Department of any such damage and repairs thereto. Failure of the permittee to immediately repair the damage after it is discovered shall result in the Department performing the repair and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all the results of such work which may include removal of the permittee's facilities.

- [10] Any damage to ODOT or another's property caused by the work shall be repaired by the permittee or permittee's agent or contractor in a timely manner and at the sole cost of permittee. If any emergency repairs to ODOT property are needed that cannot be performed by the permittee or permittee's agent or contractor, ODOT shall cause the repairs to be performed at the sole cost of permittee.
- [11] Upon completion of the work, the permittee shall leave the highway clean of all rubbish, excess materials, temporary structures and equipment, and all parts of the highway shall be left in a condition acceptable to the Department. Upon satisfactory completion of the work authorized by the permit, the Department's appointed representative shall complete the Permit Inspection Certificate, Form No. MR 678 certifying that the permittee has complied with the terms of the permit.
- [12] Except as herein authorized, no excavation shall be made or obstacle placed within the limits of the highway so as to interfere with the travel over the road.
- [13] All pole lines are to be built in accordance with Rule 4901:3-1-08 of Ohio Administrative Code promulgated and enforced by the Public Utilities Commission of Ohio.
- [14] All underground utilities shall be installed at a depth and horizontal distance from the road surface and any appurtenances in accordance with state and national safety standards and as pre-approved by the Department. After installation, the exact location of the utility shall be provided to the Department. The Department shall be held harmless for any damage to utilities due to insufficient or inaccurate installation or identification and all repairs shall be at the sole cost of the permittee.
- [15] The permittee shall comply with the Air Pollution requirements of Rule 3745-17-08 of the Ohio Administrative Code promulgated and enforced by the Ohio Environmental Protection Agency.
- [16] The permittee certifies that he or she is fully authorized to sign this permit. This permit shall apply to and be binding upon the permittee and any successors in interest. No change in ownership of the underlying property or of the facility owned by permittee shall in any way alter the permittee's obligations under this permit.
- [17] The permittee(s) for herself/himself/themselves/itself, her/his/their/its personal representatives, and her/his/their/its successors in interest and assigns, as a part of the consideration hereof, do/does hereby covenant and agree that:
 - (1) No person on the grounds of race, color, or national origin, shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of the utility/facilities/ services of the permittee.
 - (2) In the construction of any improvements on, over, or under the above described property and the furnishing of services thereon, no person on the grounds of race, color, national origin, sex, age, or disability shall be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination.
 - (3) The above described property shall be used in a manner that at all times is in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. DOT, Subtitle A, Office of the Secretary, Part 21, Non-discrimination in Federally-assisted programs of the U.S. DOT Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.
 - (4) In the event that this instrument grants a lease, license, or permit and any of the above non-discrimination covenants is breached, then the State of Ohio, Department of Transportation, shall have the unfettered right to terminate the lease, license or permit and to re-enter and repossess the above-described property and hold the same as if said lease, license or permit had never been made or issued.

This permit is granted subject to the following attached conditions:

To construct a Sheetz gas station/C-store and diesel facility located along SR. 83 in the Village of New Concord. As part of the project, there will be SR 83 roadway improvements within the R/W that the Village governs as well as improvements within the limited access R/W that ODOT governs. Improvements within the limited access R/W include an ODOT style guardrail and some minor areas of curbing/pavement and grading for a portion of a proposed full access curb cut. There will also be a partial median removal and full depth pavement replacement within the limited access R/W. See the attached approved plans for more details of approved work.

This permit is only for the work within the Limited Access right-of-way portions of SR 83.

The location of the work within the Limited Access Right-of-way is basically from the IR 70 WB on/off ramps to Liberty Drive along the West side and median of SR 83 in Muskingum County.

Upon completion of the work, the highway right-of-way shall be clean of all excess materials and equipment and all parts of the right-of-way shall be left in an acceptable condition. Restoration of all areas disturbed shall be completed immediately after installation is completed and comparable to that of the surrounding area.

All work requiring men or vehicles within ODOT's right-of-way shall comply with all applicable requirements of the Ohio Manual of Unitform Traffic Control Devices (latest edition).

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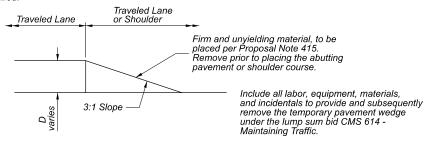
These treatments are to be used for resurfacing or pavement planing, etc. where a drop-off is located between or within traveled lanes and/or shoulder.

| D | Treatment |
|---------------|---|
| ≤ 1-½" | Erect W8-11 or W8-9 sign as appropriate. |
| > 1-½" - ≤ 3" | 1) Optional Wedge Treatment; or, 2) Close a lane and/or shoulder per Condition II. |
| > 3" | Close a lane and/or shoulder per Condition II. |

OPTIONAL WEDGE TREATMENT

(MILLING OR RESURFACING)

- W8-9/W8-11 sign shall be used as appropriate.
- This treatment shall not be used where a hot longitudinal joint per CMS 446 is required.

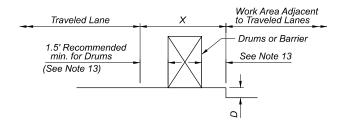


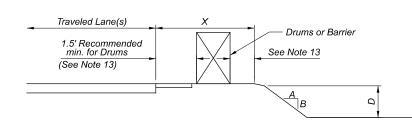
CONDITION II

DROP-OFFS BEYOND EDGE OF TRAVELED LANES / PAVED SHOULDER (Freeways, Expressways, other Roadways ≥ 45 mph and Minimal Driveways)

- 1. The treatments indicated below are for use in conjunction with resurfacing, planing, or excavations located beyond the edge line of the traveled lanes.
- The treatments indicated below are applicable for pavement/shoulder drop-offs and for locations where foreslopes "A/B" are steeper than 3:1.
- 3. Where the drop-off is located outside the clear zone, no treatment is necessary (see Table II and SCDs MT-95.30, 95.40, or 102.10).
- 4. Where foreslopes "A/B" are 3:1 or flatter, no treatment is necessary.

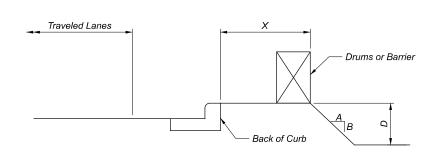
| D | METHOD OF DROP-OFF PROTECTION TO BE USED TO SEPARATE THE TRAFFIC FROM THE DROP-OFF | | | | | | |
|---------------|--|---|-------|--|-------|---|-------|
| | Drop-off location "X" from traveled lane | Drop-off location "X" from traveled lane 4' - 12' | | Drop-off location "X" from traveled lane > 12' - 20' | | Drop-off location "X" from traveled lane > 20' -30' | |
| | < 4' | Daytime Only | Night | Daytime Only | Night | Daytime Only | Night |
| <u>≤</u> 3" | DRUMS or OPTIONAL WEDGE TREATMENT | NONE | NONE | NONE | NONE | NONE | NONE |
| > 3" - ≤ 5" | DRUMS or OPTIONAL WEDGE TREATMENT | DRUMS | DRUMS | NONE | NONE | NONE | NONE |
| > 5" - ≤ 12" | PB | DRUMS | DRUMS | NONE | NONE | NONE | NONE |
| > 12" - ≤ 24" | PB | DRUMS | PB | DRUMS | DRUMS | NONE | NONE |
| > 24" | PB | DRUMS | PB | DRUMS | PB | DRUMS | PB |





CONDITION III

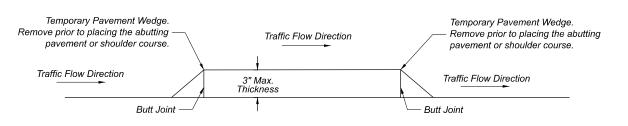
DROP-OFFS BEHIND CURB WHERE CURB IS 6" OR GREATER IN HEIGHT AND THE LEGAL SPEED IS 40 MPH OR LESS



| Х | | A/B | Treatment Required | | |
|----------|-------|-----|--------------------|-------|--|
| ^ | D | A/B | Day | Night | |
| 0' - 10' | ≤ 12" | Any | None | Drums | |
| 0' - 10' | > 12" | Any | Drums | Drums | |
| >10' | Any | Any | None | None | |

CONDITION IV

TEMPORARY PAVEMENT WEDGE AT TRANSVERSE JOINTS IN OPEN TRAVEL LANES / PAVED SHOULDER



- Erect and maintain a "BUMP" (W8-1) sign and supports at the butt joint until the
- Include all labor, equipment, materials, and incidentals to provide and subsequently remove the temporary pavement wedge under the lump sum bid CMS 614 - Maintaining Traffic.
- The temporary pavement wedge will only be permitted for use with a single lift of pavement at a time. 3.
- For operations involving a paved shoulder, a temporary pavement wedge will be required in conditions where temporary edge lines are not being utilized for open

| | Slope of Temporary Wedge | | | |
|-------------------|-----------------------------|-------|--|--|
| Duration | < 45 mph <u>></u> 45 mph | | | |
| In place ≤ 7 days | 36:1 | 60:1 | | |
| In place > 7 days | 60:1 | 120:1 | | |

OFFICE OF ROADWAY **ENGINEERING**

07-17-2020 07-21-2017 07-17-2015 07-18-2014 07-19-2013 10-19-2012 10-21-2011 01-16-2009

TDS ENGINEER Willis

Bogard Brenton I

DROP-OFFS IN WORK ZONES

DESIGN AGENCY

MT-101.90

NOTES:

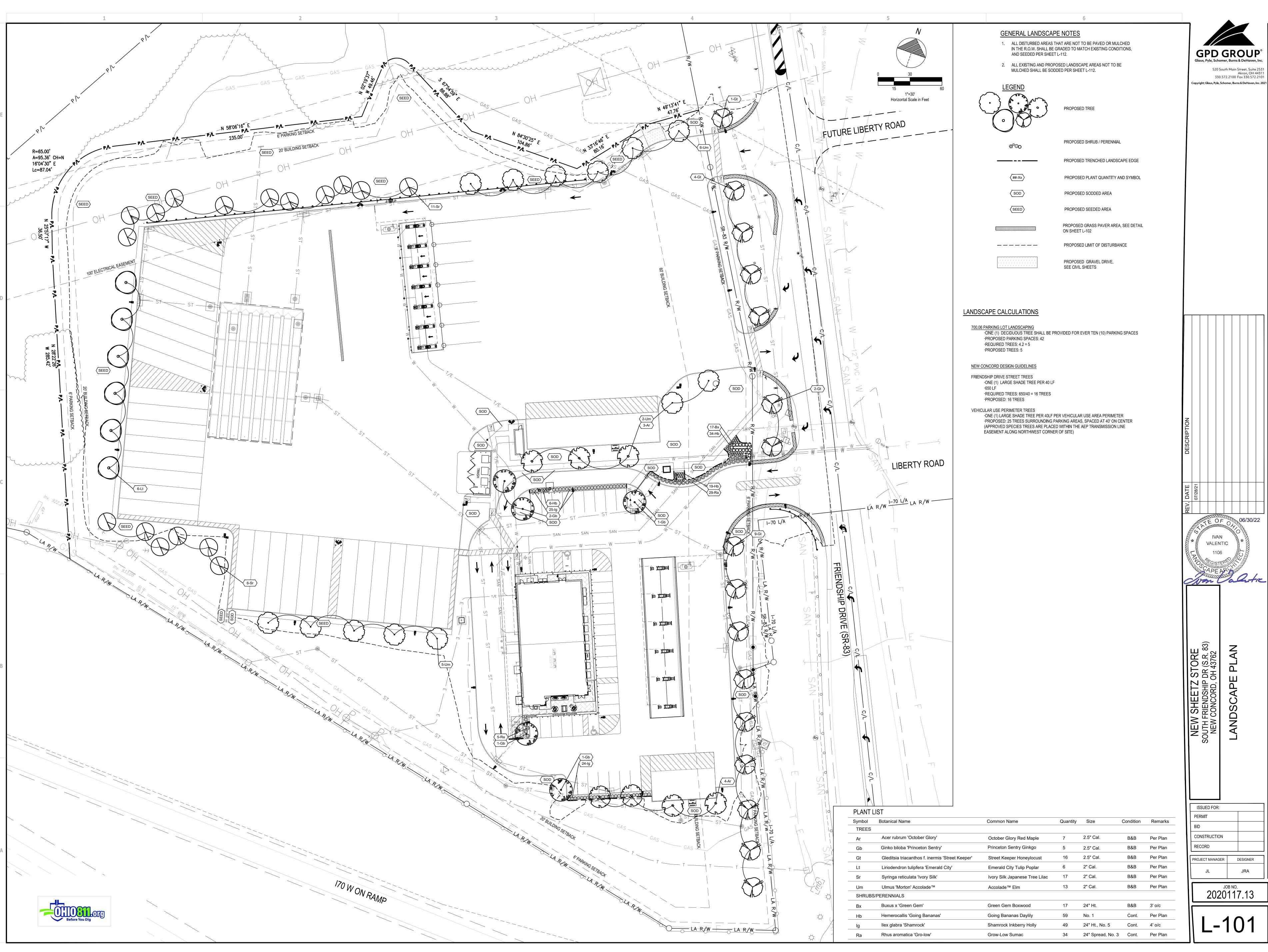
- 1. It is intended that this drawing be used for treatment of drop-offs that develop during construction operations and that are not otherwise provided for in the construction plans. Include all labor, equipment, materials, and incidentals to provide and subsequently remove the temporary pavement wedge and drop-off treatments under the lump sum bid CMS 614 Maintaining Traffic, unless otherwise specified in the plans.
- Minimum lane widths shall be 10' unless otherwise specified in the plans
- While the need for certain advisory signing is noted herein, it is not intended that this be indicative of all signing that may be required to advise or warn motorists, and all requirements of the Ohio Manual of Uniform Traffic Control Devices (OMUTCD) must be fulfilled
- In urban or otherwise heavily developed areas where intersections, driveways, pedestrians and/or bicyclists may be present in significant numbers, additional signing and protective measures other than those shown herein may be required.
- 5. The drop-off treatment selected for use at any given location shall be as appropriate for the prevailing conditions at the site.
- 6. Where portable barrier is specified, it shall be in accordance with SCD RM-4.1 or 4.2 and with C&MS 622.
- For locations such as at ramps, lane shifts, lane closures, etc., where traffic is required to negotiate a difference in elevation between pavements, the Optional Wedge Treatment shall be provided.
- 8. Pavement Repairs (or similar work):
 - a.) Lengths greater than 60' utilize appropriate treatment from Condition I.
 b.) Lengths of 60' or less repairs shall be effected in accordance
 - b.) Lengths of 60' or less repairs shall be effected in accordance with C&MS 255.08. Drums may be used as a separator adjacent to the traveled lane.
- When drums are specified for a drop-off condition, a minimum number of 4 drums shall be used. Spacing shall be as indicated in the plans or as specified in the OMUTCD. Provisions shall be made to stabilize the drums (cones) to prevent them from blowing over.
- 10. When UNEVEN LANES (W8-11) signs or LOW SHOULDER (W8-9) signs are required, they shall be placed 750' in advance of the condition on all intersecting entrance ramps within the limits of the condition. When the drop-off condition extends more than 0.5 miles, additional signs should be erected at intervals of 1.0 mile or less.
- 11. Cones may be substituted for drums as follows:
 - Cones used for daytime traffic control shall have a minimum height of 28".
 - b.) Cones used for nighttime traffic control shall have a minimum height of 42".
 - c.) Cones used at night shall be reflectorized.
 - d.) Use of cones at night shall be prohibited along tapers.
 - .) Intermixing of drums and cones within the same run of barrier protection shall not be permitted.
- 12. Where drums are used and their presence would reduce traveled lane widths to less than 10', drums may be placed on the opposite level from that of traffic, provided the drop-off depth does not exceed 5" and approval is granted by the Project Engineer.
- 13. Portable barrier shall be placed on the same level as the traffic surface and shall not encroach on width(s) designated as the minimum required for traffic use. Offset from the travel way to the barrier toe shall be a minimum of 2'. Offset from the back side of the barrier toe to the work area shall be a minimum of 2' unless otherwise specified in the plans due to anchoring.

OFFICE OF ROADWAY ENGINEERING



MT-101.90

T TO



GPD GROUP

520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

RESPONSIBLE FOR SUPPLYING ALL PLANT MATERIALS AS PER PLAN.

NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR WITHIN EASEMENT OR RIGHT-OF-WAY LIMITS.

PRESERVATION/PROTECTION (IF APPLICABLE)

- CONTRACTOR SHALL MAINTAIN AND PRESERVE TREES AND SHRUBS NOT BEING REMOVED, INCLUDING THEIR ROOTS. TREE PROTECTION FENCING SHALL BE USED AT THE DRIP LINE OF ALL TREES AND SHRUBS WITHIN 50 FEET OF CONSTRUCTION EXCEPT AS SHOWN ON PLAN. FENCING SHALL REMAIN IN PLACE UNTIL FINAL PLANT INSPECTION FOLLOWING CONSTRUCTION. MATERIALS SHALL NOT BE STOCKPILED WITHIN THIS DEFINED AREA AND VEHICLES AND OTHER EQUIPMENT SHALL BE OPERATED TO AVOID SOIL COMPACTION.
- FEEDER ROOTS SHOULD NOT BE CUT IN AN AREA EQUAL TO TWICE THE TREE CIRCUMFERENCE (MEASURED 6" ABOVE THE GROUND LINE IN INCHES) EXPRESSED IN FEET. (EXAMPLE: A CIRCUMFERENCE OF 10" WOULD HAVE A 'NO CUT' ZONE OF 20 FEET IN ALL DIRECTIONS FROM THE TREE). THIS SHOULD APPLY TO UTILITY SERVICES, IF FEASIBLE. THE ONLY EXCEPTION TO THIS REQUIREMENT WILL BE THOSE SPECIFICALLY ALLOWED BY THE LANDSCAPE ARCHITECT. SPECIFICATIONS OR AS INDICATION ON THE PLANS.
- 3. TREE TRUNKS AND EXPOSED ROOTS DAMAGED DURING EQUIPMENT OPERATIONS SHALL BE TREATED IN ACCORDANCE WITH THE ARBOR CULTURAL STANDARDS OF THE CITY.

PLANT MATERIALS

- 1. GENERAL ALL MATERIALS SHALL BE OF ITS KIND AVAILABLE AND SHALL HAVE BEEN GROWN IN A CLIMATE SIMILAR TO THAT ON SITE.
- 2. PLANTS ALL PLANTS SHALL BE HEALTHY, OF NORMAL GROWTH, WELL ROOTED, FREE FROM DISEASE AND INSECTS. QUALITY AND SIZE OF PLANT MATERIAL SHALL CONFORM TO ANSI Z60.1 "AMERICAN STANDARDS FOR NURSERY STOCK".
- 3. VARIETIES AND SIZES OF PLANTS SHALL BE AS SHOWN ON DRAWINGS.
- 4. PLANTS SHALL BE IN A HEALTHY, VIGOROUS CONDITION, FREE OF DEAD OR BROKEN BRANCHES, SCARS THAT ARE NOT COMPLETELY HEALED, FROST CRACKS, DISFIGURING KNOTS, BROKEN OR ABRADED BARK, REDUNDANT LEADERS OR BRANCHES, OR ABERRATIONS OF ANY KIND. PLANTS SHALL NOT HAVE MULTIPLE LEADERS, UNLESS THIS IS THE NATURAL FORM.
- 5. BALLED AND BURLAPPED (B&B) PLANTS SHALL BE DUG WITH A FIRM ROOT BALL OF NATURAL EARTH, OF A SIZE IN PROPORTION TO THE PLANT'S SIZE, AS MEASURED BY CALIPER, HEIGHT, OR SPREAD. BALLED AND BURLAPPED PLANTS SHALL BE HANDLED ONLY BY THE ROOT BALL, NOT BY THE TRUNK OR BRANCHES, AS THIS MAY BREAK OR LOOSEN THE ROOT BALL AND DAMAGE THE ROOT SYSTEM. CONTAINER PLANTS SHALL HAVE BEEN ESTABLISHED FOR A MINIMUM OF ONE FULL GROWING SEASON IN THEIR CONTAINERS BEFORE INSTALLATION. CONTAINER PLANTS SHALL BE HANDLED ONLY BY THE CONTAINER. NOT BY THE STEMS OR BRANCHES, AS THIS MAY PULL THE PLANT OUT OF THE CONTAINER AND BREAK OR LOOSEN THE ROOT BALL AND DAMAGE THE ROOT SYSTEM. BARE-ROOT SHRUBS AND GROUND COVER PLANTS ARE ACCEPTABLE, IF THEY ARE DUG AND INSTALLED AT THE APPROPRIATE SEASON AND HANDLED IN THE APPROPRIATE MANNER.
- 6. PLANTS SHALL BE PROTECTED FROM DRYING OUT DURING SHIPPING WITH TARPAULINS OR OTHER COVERINGS, PLANTS SHALL BE PROTECTED FROM DRYING OUT AFTER DELIVERY BY PLANTING IMMEDIATELY; IF THIS IS NOT POSSIBLE, THE ROOT BALL SHALL BE COVERED WITH PEAT MOSS OR EARTH, AND WATERED FREQUENTLY TO KEEP IT MOIST UNTIL PLANTING.
- 7. DO NOT HANDLE, MOVE, BIND, TIE OR OTHERWISE TREAT PLANTS SO AS TO DAMAGE THE ROOT BALL, ROOTS, TRUNK, OR BRANCHES IN ANY WAY.

<u>TOPSOIL</u>

- TOPSOIL HAS BEEN (OR WILL BE) STOCKPILED FOR REUSE IN LANDSCAPE WORK. IF QUANTITY OF STOCKPILED TOPSOIL IS INSUFFICIENT, PROVIDE ADDITIONAL TOPSOIL AS REQUIRED TO COMPLETE LANDSCAPE WORK. IMPORTED TOPSOIL SHALL CONSIST OF LOOSE, FRIABLE, LOAMY TOPSOIL WITHOUT ADMIXTURE OF SUBSOIL OR REFUSE. ACCEPTABLE TOPSOIL SHALL CONTAIN NOT LESS THAN 3 PERCENT NOR MORE THAN 20 PERCENT
- PLANTING BACKFILL FOR PARKING LOT ISLANDS SHALL CONSIST OF A HOMOGENEOUS MIXTURE OF 3 PARTS TOPSOIL TO ONE PART SPHAGNUM PEAT INSTALLED OVER A 6" THICKNESS OF NO. 57 AGGREGATE.

PLANTING SOIL

2'-0" R TYP.

1. PLANTING SOIL MIX SHALL BE CLEAR OF ALL STONES AND DEBRIS 1" OR LARGER, AND CONSIST OF THE FOLLOWING: 25% ORGANIC COMPOST, 75% ACCEPTABLE TOPSOIL.

SOIL CONDITIONING

- 1. OBTAIN LABORATORY ANALYSIS OF STOCKPILED AND IMPORTED TOPSOIL COMPLETE WITH RECOMMENDATIONS FOR SOIL AMENDMENT.
- 2. BEFORE MIXING, CLEAN TOPSOIL OF ROOTS, PLANTS, SOD, STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL OR TOXIC TO PLANT GROWTH.
- 3. MIX SPECIFIED SOIL AMENDMENTS AND FERTILIZERS WITH TOPSOIL AT RATES SPECIFIED BY THE LAB REPORT. DELAY MIXING OF FERTILIZER IF PLANTING WILL NOT FOLLOW PLACING OF PLANTING SOIL WITHIN A FEW DAYS.
- 4. FOR PLANTING BEDS AND LAWNS, MIX PLANTING SOIL EITHER PRIOR TO PLANTING OR APPLY ON SURFACE OF TOPSOIL AND MIX THOROUGHLY BEFORE PLANTING. MIX LIME WITH DRY SOIL PRIOR TO MIXING OF FERTILIZER.
- 5. PREVENT LIME FROM CONTACTING ROOTS OF ACID-LOVING PLANTS.
- 6. APPLY PHOSPHORIC ACID FERTILIZER (OTHER THAN THAT CONSTITUTING A PORTION OF COMPLETE FERTILIZERS) DIRECTLY TO SUBGRADE BEFORE APPLYING PLANTING SOIL AND

OTHER MATERIALS

- 1. BED EDGING: TRENCH AROUND LANDSCAPE BEDS TO CREATE SHARP, 45 DEGREE EDGE. TYPICAL AT ALL PLANTING BED EDGES WHERE THEY MEET LAWNS.
- 2. MULCH: DOUBLE SHREDDED HARDWOOD MULCH, MINIMUM 3" IN THICKNESS, DYED BROWN IN
- 3. WEED BARRIER: POLYETHYLENE FILTER FABRIC, DEWITT 15 YEAR BARRIER OR APPROVED EQUAL. TO BE INSTALLED IN ALL PLANTING BEDS AND AT EACH TREE RING.
- 4. CONTRACTOR SHALL SUBMIT SAMPLES TO ENGINEER FOR APPROVAL PRIOR TO PLACEMENT.

GENERAL WORK PROCEDURES

- . LANDSCAPE WORK SHALL BE ACCORDING TO THE WORKMANLIKE STANDARDS ESTABLISHED FOR LANDSCAPE CONSTRUCTION AND PLANTING IN THE OHIO STANDARDIZED LANDSCAPE SPECIFICATIONS (ASLA) AND ANY LOCAL LANDSCAPE ORDINANCES.
- CONTRACTOR SHALL OBTAIN A COPY OF LOCAL ORDINANCES REGARDING ACCEPTABLE PLANT AND PLANTING DETAILS AND ABIDE BY THOSE ORDINANCES AND DETAILS.
- 3. ENGINEER RESERVES THE RIGHT TO REJECT ALL PLANT MATERIAL DEEMED NOT ACCEPTABLE.
- 4. ANY PROPOSED PLANT SUBSTITUTIONS SHALL BE EQUIVALENT IN FORM, HABIT, STRUCTURE, BRANCHING AND LEAF TYPE AND MUST BE ISSUED TO THE LANDSCAPE ARCHITECT FOR APPROVAL, IN WRITING, PRIOR TO INSTALLATION.

1. BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF AT THE CONTRACTOR'S

PLANTING SCHEDULE

- POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE OWNER BEFORE EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
- 2. PLANTING PITS SHALL BE AS PER DETAILS.
- 3. PREPARED SOIL SHALL BE TAMPED FIRMLY AT BOTTOM OF PIT. FILL PREPARED SOIL AROUND BALL OF PLANT. COMPLETE BACKFILLING AND WATER THOROUGHLY.
- 4. PREPARE RAISED EARTH BASIN AS WIDE AS PLANTING HOLE OF EACH PLANT.
- WATER IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED.
- 6. INSTALL BED EDGING, WEED BARRIER, AND MULCH PER MATERIALS SPECIFICATION AND
- 7. REMOVE ALL SALES TAGS, STRINGS, STRAPS, WIRE, ROPE OR OTHER MATERIALS THAT MAY INHIBIT PLANT GROWTH BOTH ABOVE AND BELOW THE SURFACE OF THE SOIL.
- 8. REMOVE ANY BROKEN, SUCKERING, DISEASED, CRISSCROSSED OR AESTHETICALLY DISPLEASING BRANCHES BACK TO LIVE LEADER OR SIDE LATERAL WITH A FLUSH CUT.

FINISH GRADING

1. ALL AREAS WILL BE GRADED BY THE CONTRACTOR TO SUBSTANTIALLY PLUS/MINUS 0.1 FOOT OF FINISH GRADE.

- 2. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN, UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE. SOIL AREAS ADJACENT TO THE BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS.
- 3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER.
- 4. PARKING LOT ISLAND SHALL BE BACKFILLED AS PART OF THIS CONTRACT.

GUARANTEE

1. CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF PROJECT ACCEPTANCE BY THE OWNER.

CLEANUP

1. UPON THE COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. AN 'ACCEPTABLE CONDITION' SHALL BE AS DEFINED AND APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

MAINTENANCE

(MAINTENANCE PERIOD TO COMMENCE AFTER FINAL INSPECTION.)

- 1. MAINTENANCE PERIOD FOR THIS CONTRACT SHALL BE 90 CALENDAR DAYS COMMENCING AFTER FINAL INSPECTION OF CONSTRUCTION.
- 2. MAINTAIN TREES, SHRUBS AND OTHER PLANTS BY PRUNING, CULTIVATING AND WEEDING AS REQUIRED FOR HEALTHY GROWTH. RESTORE PLANTING SAUCERS. RESET TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITION AS REQUIRED.
- 3. MAINTAIN LAWNS BY WATERING, MOWING, TRIMMING, AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.
- 4. MAINTAIN THE LANDSCAPING BY KEEPING ALL PLANTS DISEASE-FREE AND PLANTING BEDS GROOMED, EXCEPT IN NATURALLY OCCURRING VEGETATION AREAS.
- 5. REPLACE ANY REQUIRED PLANTING(S), WHICH SEVERELY DECLINE OR DIE AFTER THE DATE OF PLANTING. SUCH REPLACEMENT SHALL OCCUR DURING THE NEXT APPROPRIATE
- 6. MULCH SHALL BE KEPT AWAY FROM THE STEMS OF TREES AND SHRUBS (PER THE DETAIL ON SHEET C-501. MULCH THICKNESS SHALL NOT EXCEED 4".

SEEDING

GRASS SEED SHALL BE FRESH, CLEAN, DRY, NEW-CROP SEED COMPLYING WITH THE ASSOCIATION OF OFFICIAL SEED ANALYSTS' "RULES FOR TESTING SEEDS" FOR PURITY AND GERMINATION TOLERANCES.

2. ALL AREAS TO BE SEEDED SHALL RECEIVE NO LESS THAN 5 - 8 POUNDS OF SEED PER ONE THOUSAND SQUARE FEET. APPLY SEED AND PROTECT WITH STRAW MULCH AS REQUIRED FOR NEW LAWNS. GRASS SEED MIX SHALL CONSIST OF THE FOLLOWING:

| PROPORTION | NAME | | MIN % PURE SEED | MAX. WEE SEEI |
|------------|--------------------------------------|----|-----------------------|---------------------|
| 70% | TALL FESCUE (FESTUCA ARUNDINACEA) | 80 | 85 | 0.50 |
| 20% | KENTUCKY BLUEGRASS (POA PRATENSIS) | 85 | 98 | 0.50 |
| 10% | PERENNIAL RYE GRASS (LOLIUM PERENNE) | 90 | 98 | 0.50 |

3. ALL AREAS TO BE SEEDED SHALL BE OVERSEEDED AT A RATE OF 3.5 - 4 POUNDS PER ONE THOUSAND SQUARE FEET OF ANNUAL RYEGRASS (LOLIUM MULTIFLORUM).

SODDING

1. SOD SHALL BE FIRST GRADE CERTIFIED BLENDS OF THE FOLLOWING SPECIES PER HARDINESS ZONE CONTAINING NOT MORE THAN 30 PERCENT OF OTHER GRASSES AND CLOVERS, AND FREE FROM ALL NOXIOUS WEEDS.

> ZONES 3, 4 & 5: APPROVED BLUE GRASS BLEND ZONE 6: APPROVED FESCUE BLEND ZONES 7 & 8: APPROVED BERMUDA BLEND

2. SOD SHALL BE RECENTLY MOWED TO A HEIGHT OF NOT LESS THAN 3 INCHES. IT SHALL BE CUT INTO STRIPS OF NOT LESS THAN 3 FEET AND NOT OVER 6 FT. WITH A UNIFORM WIDTH OF NOT OVER 24 INCHES.

ZONES 9 & 10: APPROVED ST AUGUSTINE FLORATAM BLEND

- 3. SOD SHALL BE CUT TO A DEPTH EQUAL TO THE GROWTH OF THE FIBROUS ROOTS BUT IN NO CASE LESS THAN 1 INCH.
- 4. SOD SHALL BE DELIVERED TO THE JOB WITHIN 24 HOURS AFTER BEING CUT AND SHALL BE INSTALLED WITHIN 48 HOURS AFTER BEING CUT.
- 5. BEFORE SOD IS PLACED, THE SOD BED WILL HAVE BEEN EXCAVATED TO SUCH A DEPTH THAT WHEN THE SOD IS IN PLACE THE TOP OF THE SOD WILL BE FLUSH WITH THE SURROUNDING GRADE.
- 6. NO SOD SHALL BE PLACED WHEN THE TEMPERATURE IS BELOW 32 DEGREES F. NO FROZEN SOD SHALL BE PLACED NOR SHALL ANY SOD BE PLACED ON FROZEN SOIL. WHEN SOD IS PLACED BETWEEN THE DATES OF JUNE 1ST AND OCTOBER 15TH, IT SHALL BE COVERED
- IMMEDIATELY WITH A STRAW MULCH 1 INCH THICK (LOOSE MEASUREMENT). 7. AFTER LAYING, THE SOD SHALL BE WATERED THOROUGHLY AND TAMPED WITH APPROVED SOD TAMPERS SUFFICIENTLY TO BRING THE SOD INTO CLOSE CONTACT WITH THE SOD BED
- 8. THE CONTRACTOR SHALL KEEP ALL SODDED AREAS INCLUDING SUBGRADE, THOROUGHLY MOIST FOR 30 DAYS AFTER SODDING.
- 9. THE CONTRACTOR SHALL REPAIR ANY AREAS DAMAGED FOLLOWING INSTALLATION AS DIRECTED BY THE ENGINEER. SOD SHALL BE IN PLACE AT LEAST 30 DAYS BEFORE FINAL ACCEPTANCE.

AND INSURE TIGHT JOINTS BETWEEN THE SECTIONS OR STRIPS.

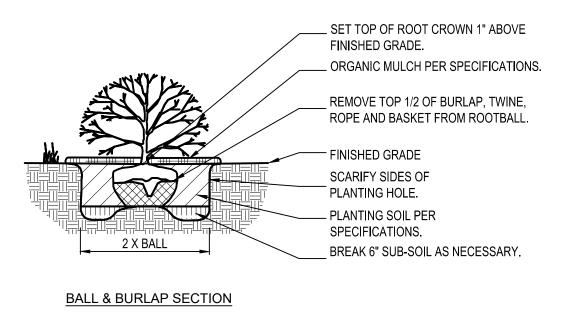
PLANTING SCHEDULE

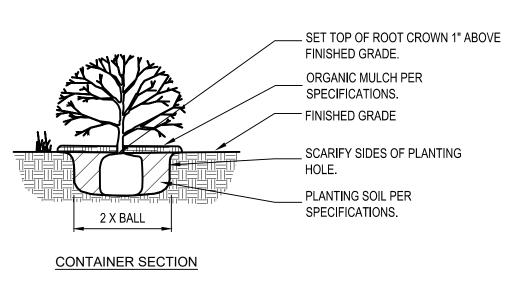
1. ALL PLANTING IS RECOMMENDED TO BE DONE WITHIN THE FOLLOWING DATES. WHEN PLANTING OUTSIDE THESE DATES, WRITTEN DOCUMENTATION SHALL BE PROVIDED THAT SURVIVAL OR REPLACEMENT WILL BE ENSURED. NO PLANTING SHALL BE DONE IN FROZEN SOIL.

| NORMAL PLANTING SEASONS ALL TREES AND SHRUBS EVERGREENS GROUNDCOVERS | SPRING MARCH 15-MAY 15 APRIL 1-MAY 15 APRIL 1-JUNF1 | FALL OCTOBER 1-DECEMBER 1 OCTOBER 1-NOVEMBER 15 WHEN SOD IS WORKABI F |
|--|--|---|
| GROUNDCOVERS SEED AND MULCH | APRIL 1-JUNE1 APRIL 1-MAY 15 | WHEN SOD IS WORKABLE OCTOBER 1-NOVEMBER 15 |
| | | |

GENERAL NOTE

1. ALL AREAS DISTURBED BY CONSTRUCTION THAT ARE WITHIN THE RIGHT-OF-WAY SHALL BE FINE GRADED TO MAINTAIN POSITIVE DRAINAGE, HAVE A 4" LAYER OF TOPSOIL APPLIED AND BE SEEDED ACCORDING TO SPECIFICATIONS ON THIS SHEET.





PRUNE BRANCHES IF BROKEN OR DAMAGED

RUBBER HOSE AS SPECIFIED.

TOUCH TRUNK.

2" X 4" WOOD STAKE

PLANTING SOIL PER SPECIFICATIONS.

- SCARIFY SIDES OF PLANTING HOLE

BREAK 6" SUB-SOIL AS NECESSARY

- FINISHED GRADE

- GALVANIZED STEEL WIRE, SAFETY FLAGGING AND BLACK

- PLANT ROOT BALL SO THAT ROOT FLARE IS ABOVE

MULCH PER SPECIFICATIONS. MULCH SHALL NOT

REMOVE TOP 1/2 OF BURLAP, TWINE, ROPE AND

- BASKET FROM ROOTBALL. REMOVE ANY EXCESS SOIL

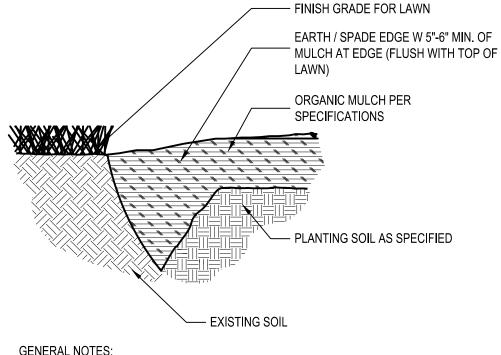
FROM TOP OF ROOTBALL TO EXPOSE ROOT FLARE.

GENERAL NOTES: PRUNE ROOTS IF BALL IS ROOTBOUND.

2. REMOVE ALL CONTAINERS AND NON-BIODEGRADABLE BURLAP.

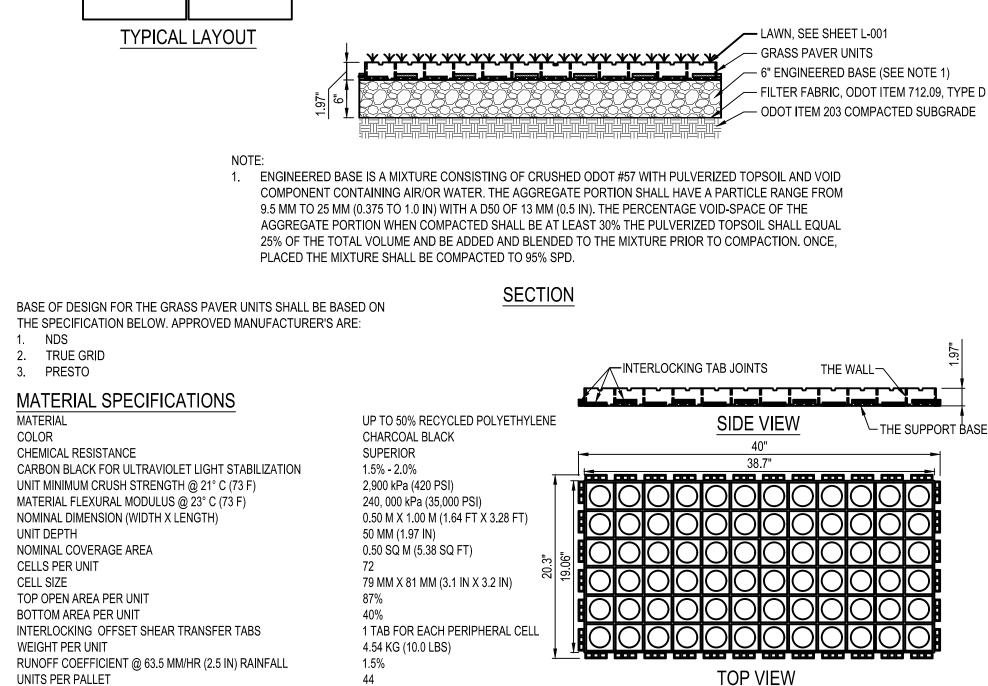
3. WHEN BACKFILLING PLANT PIT, PLACE PLANTING SOIL IN TWO LIFTS. AFTER FIRST LIFT, PUDDLE SOIL IN WITH WATER TO REMOVE ALL AIR POCKETS. PLACE SECOND LIFT AND CONTINUE TO PUDDLE AND FILL AS NECESSARY.





GENERAL NOTES: USE WHEREVER MULCHED PLANTINGS TRANSITION TO TURF AREAS, INCLUDING ALL TREE MULCH RINGS, SHRUB BEDS, MASS PLANTINGS BEDS, ETC...







ISSUED FOR: PERMIT CONSTRUCTION RECORD PROJECT MANAGER **TOP VIEW**

2020117.13

DESIGNER

520 South Main Street, Suite 253

ppyright; Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 202

330.572.2100 Fax 330.572.210

Akron, OH 4431

_x 06/30/22

VALENTIC

AFTER PLACED IN PIT.

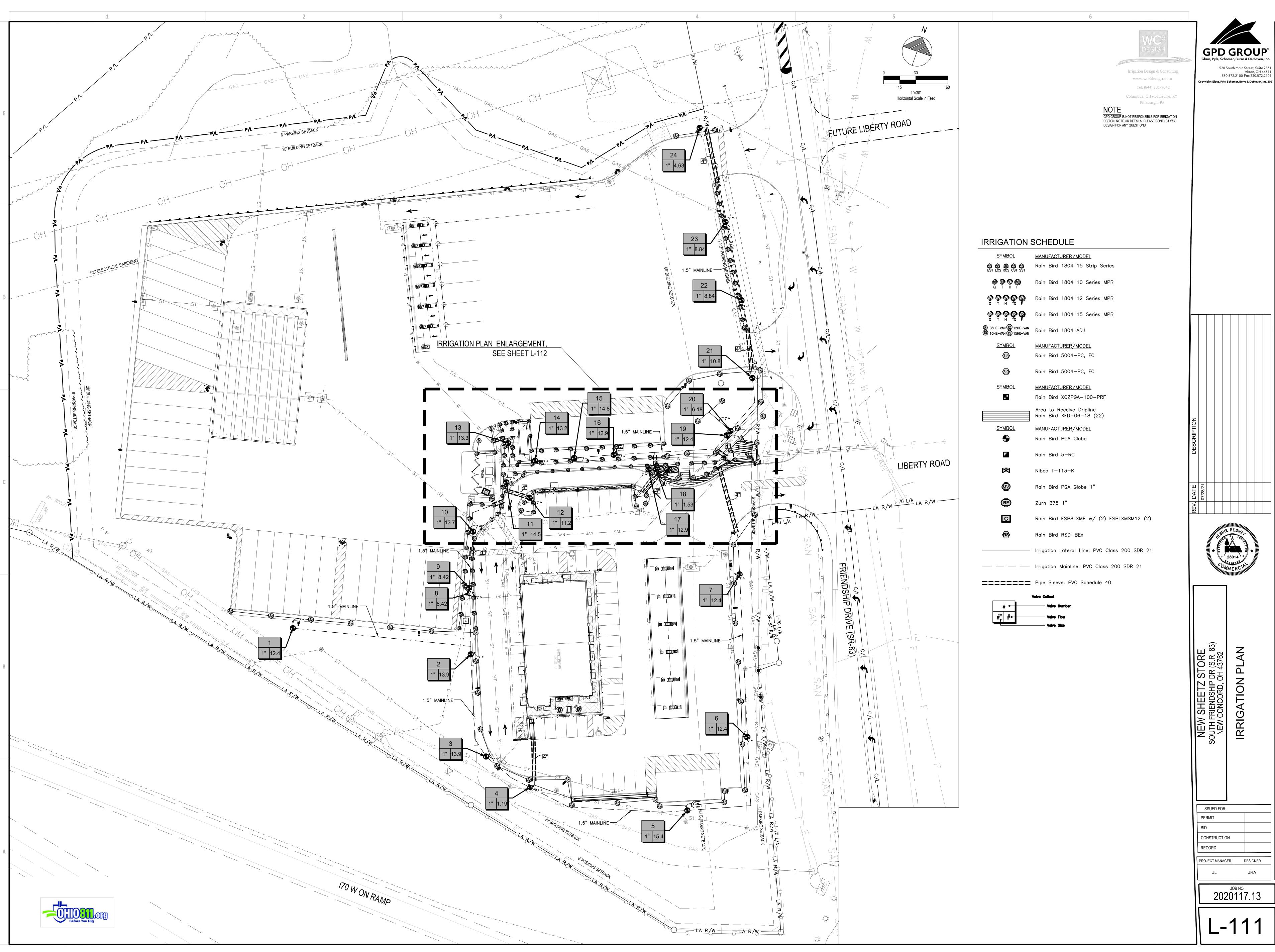
AND FILL AS NECESSARY.

IF ROOTBALL IS WRAPPED IN NON-BIODEGRADEABLE BURLAP, REMOVE ENTIRE WRAP

2. WHEN BACKFILLING PLANT PIT, PLACE PLANTING SOIL IN TWO LIFTS. AFTER FIRST LIFT,

SHADE TREE PLANTING DETAIL

PUDDLE SOIL IN WITH WATER TO REMOVE ALL AIR POCKETS. PLACE SECOND LIFT AND CONTINUE TO PUDDLE

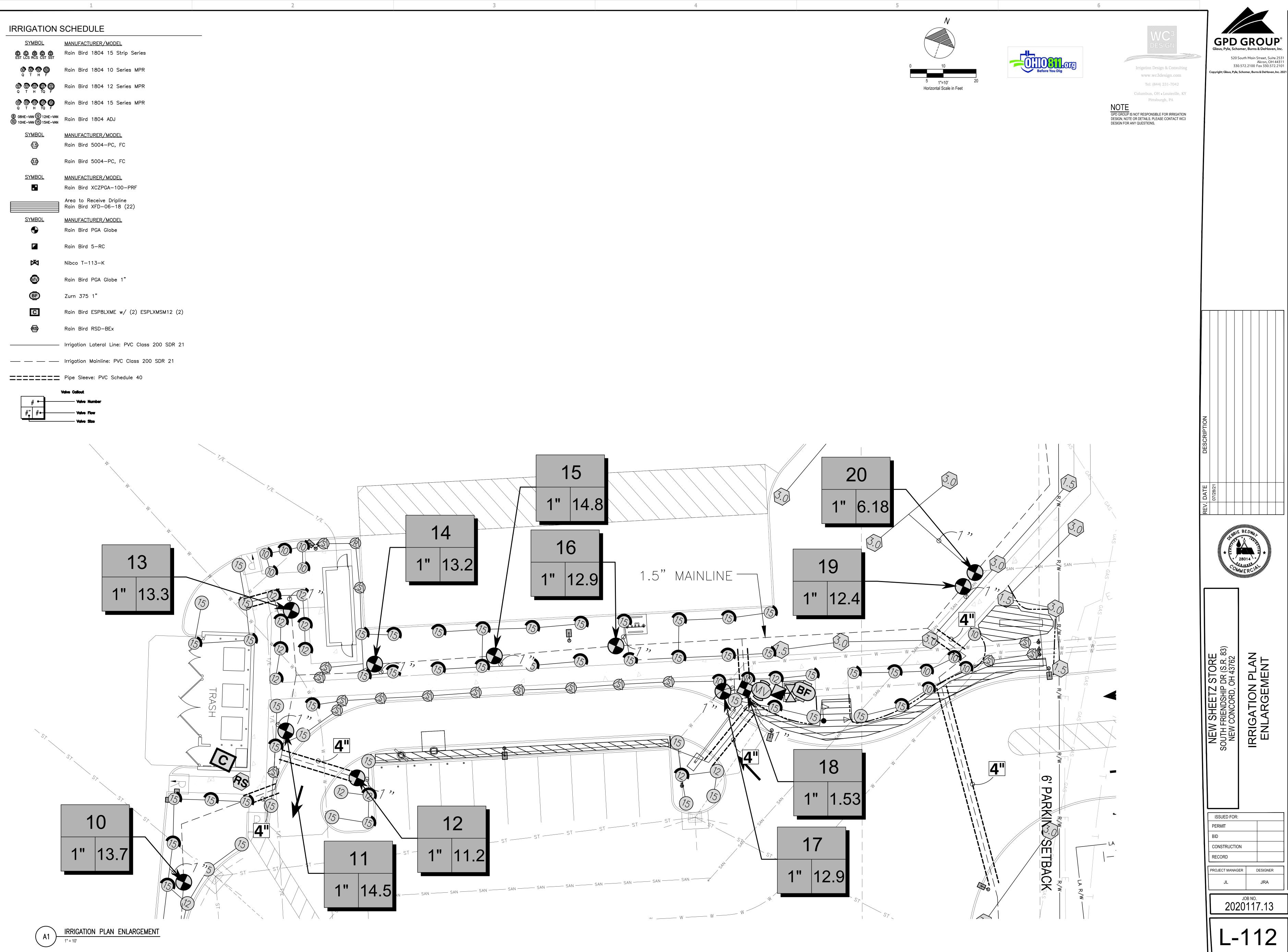






ISSUED FOR:

CONSTRUCTION PROJECT MANAGER



GPD GROUP 520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

ISSUED FOR: PERMIT CONSTRUCTION RECORD

2020117.13

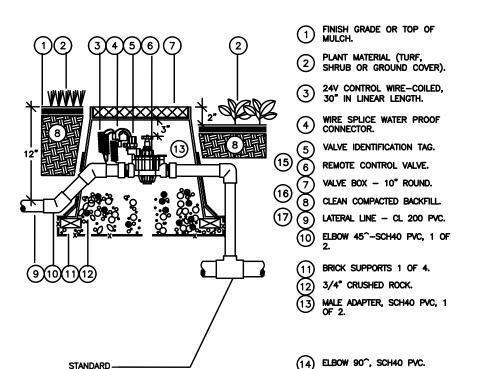
DESIGNER

520 South Main Street, Suite 253 Irrigation Design & Consulting Akron, OH 4431 330.572.2100 Fax 330.572.210 opyright; Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 2021

GPD GROUP

www.wc3design.com Columbus, OH • Louisville, KY Pittsburgh, PA

GPD GROUP IS NOT RESPONSIBLE FOR IRRIGATION DESIGN, NOTE OR DETAILS. PLEASE CONTACT WC3 DESIGN FOR ANY QUESTIONS.



TEE/ELBOW, SCH40 PVC.

6) MAINLINE, CL200 — SEE PLAN.

1 FINISH GRADE OR TOP OF MULCH KEY# 55-K, HOSE SWIVEL # SH-2 2 PLANT MATERIAL (TURF, SHRUB OR GROUND COVER) 2 VALVE BOX, 10" RND, RAINBIRD VB-10RND-H, WITH LOCKING COVER MARKED "QCV". 5) QUICK COUPLER KEY, #55-K. QUICK COUPLER VALVE 5-RC. 3/4" CRUSHED ROCK BRICK SUPPORTS 1 OF 4 SWING JOINT 1", SIZE PER QUICK COUPLER VALVE INLET. DURA MODEL# 1-A101-11-18.

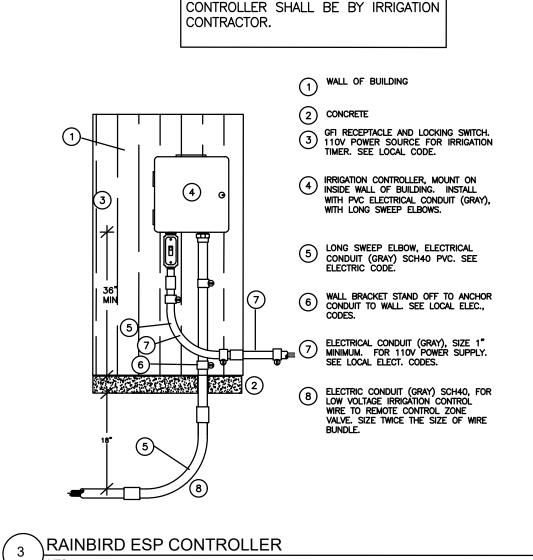
(14) REBAR, 1/2"x30".

1 FINISH GRADE OR TOP OF MULCH.

2 PLANT MATERIAL (SHRUB/G.C.).

CLEAN SOIL, AMENDED/NATIVE, FREE OF ROCK AND DEBRIS.

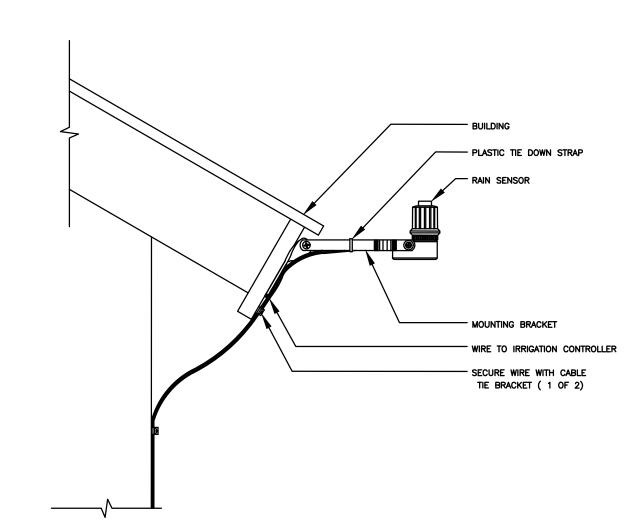
4 12" POP-UP SPRAY SPRINKLER BODY, INSTALL IN SHRUB AND GROUND COVER AREAS. RAINBIRD 1812



POWER TO THE CONTROLLER SHALL B

UP FROM THE ELECTRIC TO THE

THE ELECTRICIAN ON SITE. FINAL HOOK



RAINBIRD RAIN SENSOR

\RAINBIRD PGA ELECTRIC VALVE

INSTALL 45 DEGREE ELBOWS TO ACHIEVE CORRECT DEPTH. USE A NON-HARDENING TEFLON PIPE SEALANT ON ALL THREADED CONNECTIONS. MAINLINE DEPTH IS 18" COVER OVER "TOP" OF PVC PIPE.

RAINBIRD QUICK COUPLER VALVE

NOZZLE: MPR, VAN & ROTARY.

AS MAY BE REQUIRED TO MEET SUCH CONDITIONS. ALL WORK SHALL BE INSTALLED IN SUCH A MANNER AS TO AVOID CONFLICTS BETWEEN IRRIGATION SYSTEM COMPONENTS, LANDSCAPE PLANTING, AND ARCHITECTURAL FEATURES. 6. FLUSH ALL LINES AND HEADS PRIOR TO INSTALLING NOZZLES. ADJUST NOZZLE SPRAY ARC AND RADIUS FOR OPTIMUM PERFORMANCE TO PREVENT OVERSPRAY ONTO PAVED SURFACES OR FACE OF BUILDING AS MUCH AS POSSIBLE TO FIT THE SITE CONDITIONS. THROTTLE FLOW CONTROL AT EACH VALVE FOR OPTIMUM OPERATING PRESSURE FOR

THESE NOTES ARE PRESENTED AS A "SUMMARY" OF THE WRITTEN SPECIFICATIONS ISSUED FOR

THE PROJECT. REFER TO THE WRITTEN SPECIFICATIONS, IF INCLUDED, FOR ADDITIONAL DETAIL

1. THE IRRIGATION SYSTEM DESIGN IS BASED ON 70 STATIC PRESSURE (PSI) AND MAXIMUM

FLOW OF $\underline{16}$ GALLONS PER MINUTE(GPM). THE IRRIGATION CONTRACTOR SHALL VERIFY THE PRESSURE AND FLOW PRIOR TO COMMENCEMENT OF CONSTRUCTION. REPORT TO

THE OWNER OR OWNER'S REPRESENTATIVE ANY DIFFERENCES BETWEEN THE PRESSURE INDICATED AND THE ACTUAL PRESSURE READING AT THE POINT OF CONNECTION.

2. THE PIPE ROUTING SHOWN IS DIAGRAMMATIC ONLY. ALL PIPING, VALVES, HEADS, ETC

FROM THE ROUTING SHOWN SHOULD BE AVOIDED.

SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY. PRESSURE LOSS

CALCULATIONS ARE BASED ON THE PIPE ROUTING AS SHOWN. SIGNIFICANT DEVIATIONS

3. DO NOT WILLINGLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN

THE DIMENSIONS OF THE CONSTRUCTED AREAS EXIST THAT MIGHT NOT HAVE BEEN

IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, OR DIFFERENCES IN

CONSIDERED IN THE IRRIGATION DESIGN OR CHANGES HAVE OCCURRED IN THE SITE PLAN.

SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE

IRRIGATION CONTRACTOR PROCEED WITH THE INSTALLATION WITHOUT NOTIFYING THE

IRRIGATION DESIGNER AND THE GENERAL CONTRACTOR, THE IRRIGATION CONTRACTOR

ASSUMES FULL RESPONSIBILITY FOR ANY AND ALL REVISIONS / RECONSTRUCTION

4. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF / HERSELF WITH THE SITE, ALL GRADE DIFFERENCES, LOCATIONS OF WALLS, AND INSTALLED UTILITIES. COORDINATE WORK WITH THE OWNER OR GENERAL CONTRACTOR AND OTHER SUBCONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES UNDERNEATH

5. DUE TO THE SCALE OF THE DRAWING, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, JOINTS, ETC. WHICH MAY BE REQUIRED. THE IRRIGATION CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL OF HIS/HER WORK AND PLAN HIS/HER WORK ACCORDINGLY, FURNISHING SUCH FITTINGS, ETC.

IRRIGATION DESIGNER AND THE GENERAL CONTRACTOR IMMEDIATELY. SHOULD THE

AND FULL PROJECT REQUIREMENTS.

NECESSARY.

PAVEMENT AND THROUGH WALLS.

7. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISHED GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE NOTED.

8. WHEN VERTICAL OBSTRUCTIONS (POLES, SIGNS, TREES, HYDRANTS, ETC) INTERFERE WITH THE SPRAY PATTERN OF THE HEADS SO AS TO PREVENT PROPER COVERAGE, THE CONTRACTOR SHALL FIELD ADJUST THE SPRINKLER SYSTEM BY INSTALLING A QUARTER, THIRD, OR HALF CIRCLE HEAD AT THE SIDES OF THE OBSTRUCTION SO AS TO PROVIDE PROPER COVERAGE. ALL ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST.

9. USE TEFLON TAPE ON ALL MALE PIPE THREADS ON PVC PIPE, SWING JOINTS, AND VALVE ASSEMBLIES.

10. INSTALL VALVE BOXES 18-INCHES FROM AND PERPENDICULAR TO WALKS, CURBS, BUILDING, OR LANDSCAPE FEATURES. AT MULTIPLE VALVE BOX GROUPS, EACH BOX SHALL BE INSTALLED A MINIMUM OF 12-INCHES APART.

11. ALL VALVES SHALL BE PLACED IN VALVE BOXES AS SHOWN IN THE DETAILS AND ALL ELECTRICAL CONNECTIONS SHALL BE SEALED WITH WATERPROOF CONNECTORS. 12. 120-VOLT ELECTRICAL POWER AT THE CONTROLLER SHALL BE PROVIDED BY OTHERS. IT IS

FROM THE POWER PROVIDED TO THE CONTROLLER. 13. PROVIDE AS-BUILT DRAWINGS WITHIN 21 DAYS UPON COMPLETION OF THE IRRIGATION INSTALLATION.

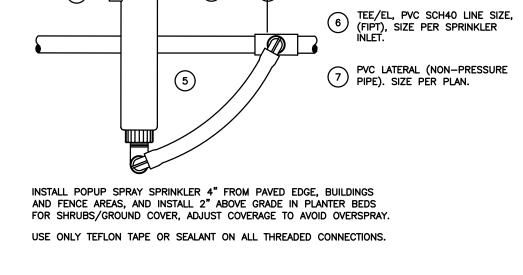
THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO MAKE THE FINAL HOOK-UP

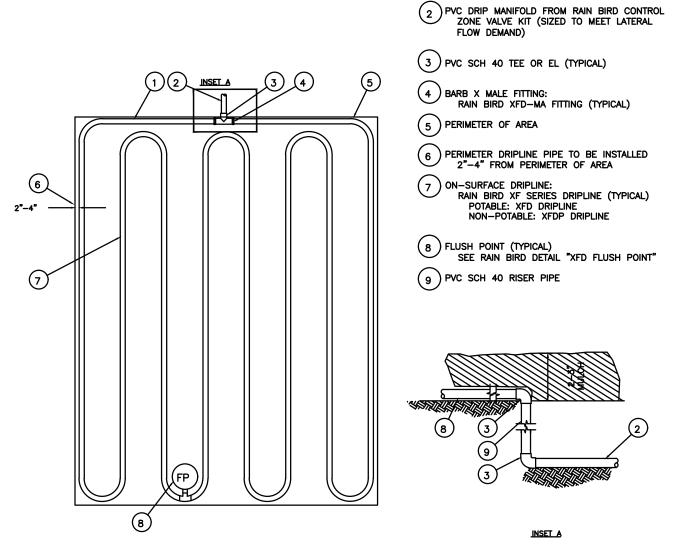
14. THERE SHALL BE NO SUBSTITUTIONS OR CHANGES TO THE IRRIGATION DESIGN ALLOWED WITHOUT DIRECT, WRITTEN APPROVAL FROM THE IRRIGATION CONSULTANT OR THE LANDSCAPE ARCHITECT. CONTACT WC3 DESIGN FOR INFORMATION. 15. ALL SPRINKLERS, VALVES AND VALVE BOXES SHALL BE PLACED 5' AWAY FROM ANY

RADIUS OF CURB AS SHOWN IN DETAILS. 16. IRRIGATION CONTRACTOR SHALL PROVIDE THE FIRST WINTERIZATION BLOW OUT. IN ADDITION, HE SHALL PROVIDE THE SPRING TURN ON . ALL NECESSARY HEAD

ADJUSTMENTS SHALL BE MADE AT THAT TIME AND REPLACE OR REPAIR ANY WARRANTY ITEMS. THESE ITEMS SHALL BE INCLUDED WITH BID.

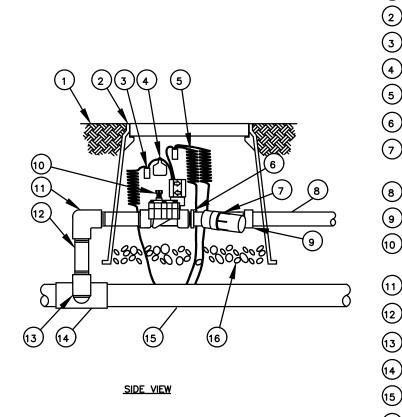
2 ROTOR POP-UP SPRINKLER: 3 1/2-INCH MALE NPT x .490 INCH BARB ELBOW: RAIN BIRD MODEL SBE-050 (4) PVC LATERAL PIPE (5) SWING PIPE, 12-INCH LENGTH: RAIN BIRD MODEL SP-100 (6) PVC SCH 40 TEE OR ELL





1 PVC EXHAUST HEADER

\RAINBIRD XFD-.6 X 18" DRIP ZONE



WATERPROOF CONNECTION:
RAIN BIRD DB SERIES 4 VALVE ID TAG 5 30-INCH LINEAR LENGTH OF WIRE, 6 1" X ¾" REDUCING COUPLING (INCLUDED IN XCZ-100-PRF KIT) PRESSURE REGULATING FILTER:
RAIN BIRD PRF-075-RBY (INCLUDED
IN XCZ-LF-100-PRF KIT) 8) LATERAL PIPE PVC SCH 40 FEMALE ADAPTOR OR REDUCER 0 REMOTE CONTROL VALVE: RAIN BIRD LFV-100 (INCLUDED IN XCZ-LF-100-PRF KIT) PVC SCH 40 ELL PVC SCH 80 NIPPLE (LENGTH AS REQUIRED) PVC SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND PVC SCH 40 ELL) PVC SCH 40 TEE OR ELL (15) PVC MAINLINE 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

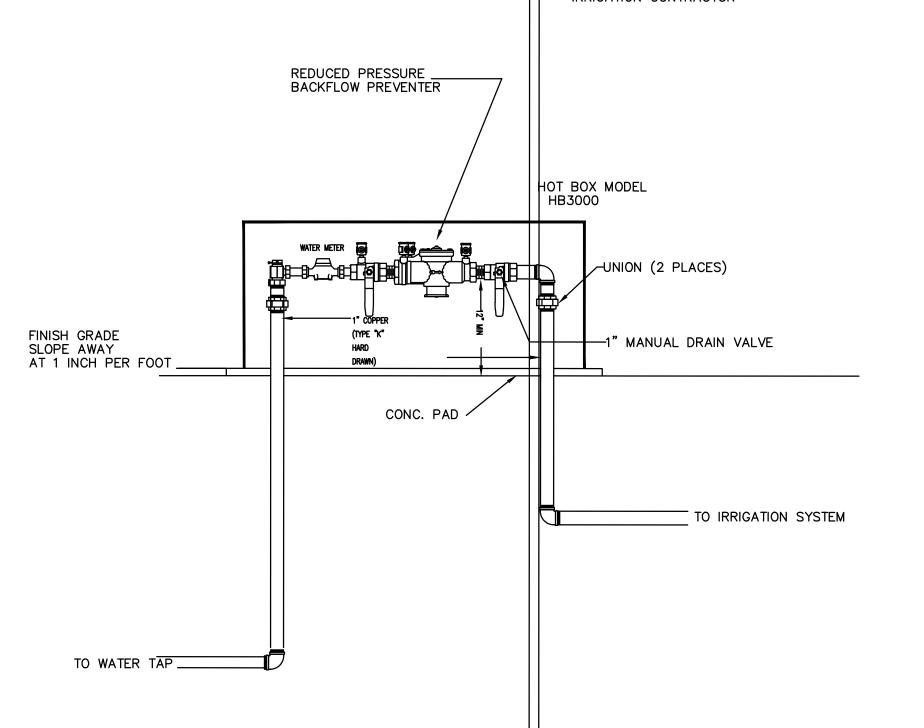
1 FINISH GRADE

RAINBIRD 3504 MINI ROTOR

SWING PIPE OR SWING ASSEMBLY.

FOR FLOWS ABOVE 4 GPM USE A SWING JOINT INSTEAD OF

\RAINBIRD 1812 12" POP UP SPRAY SITE CONTRACTOR ____ | IRRIGATION CONTRACTOR



SEE CIVIL DRAWINGS FOR LOCATION AND DETAILS OF POINT OF CONNECTION

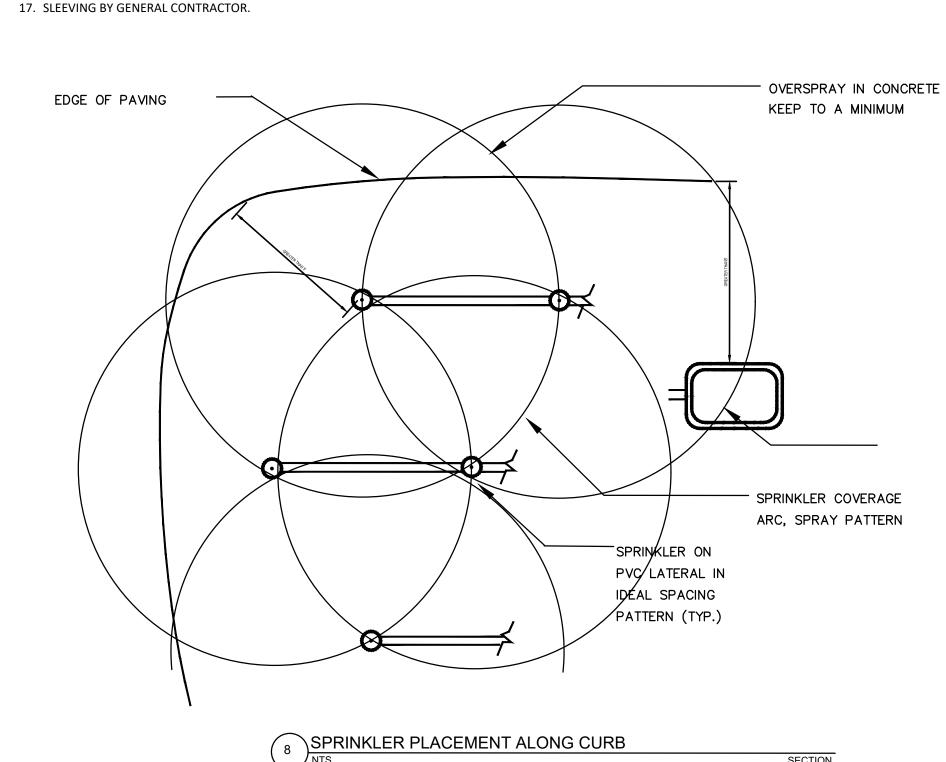
| IRRIGATION POINT OF CONNECTION

ISSUED FOR: PERMIT CONSTRUCTION RECORD

2020117.13

DESIGNER

PROJECT MANAGER

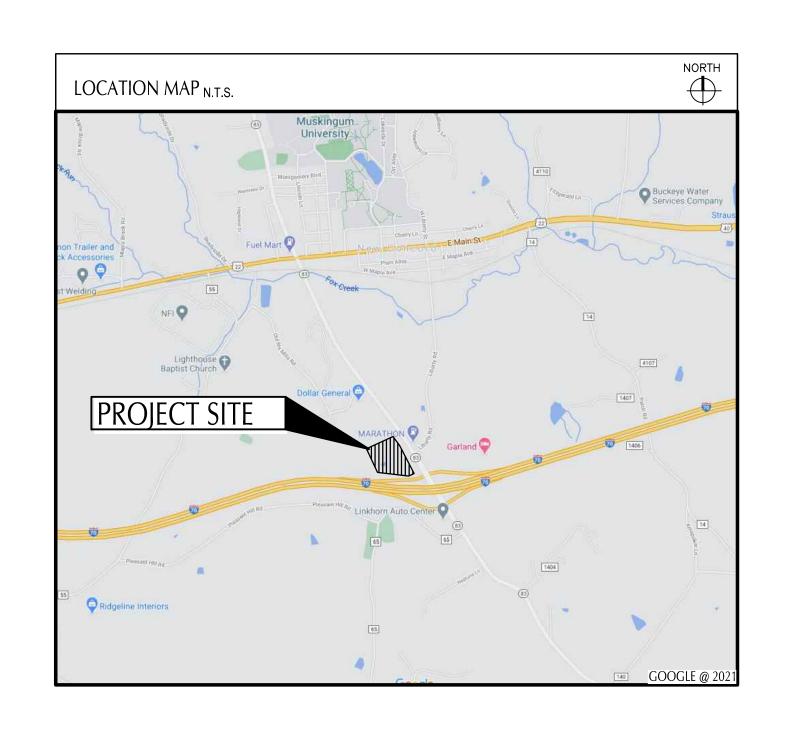


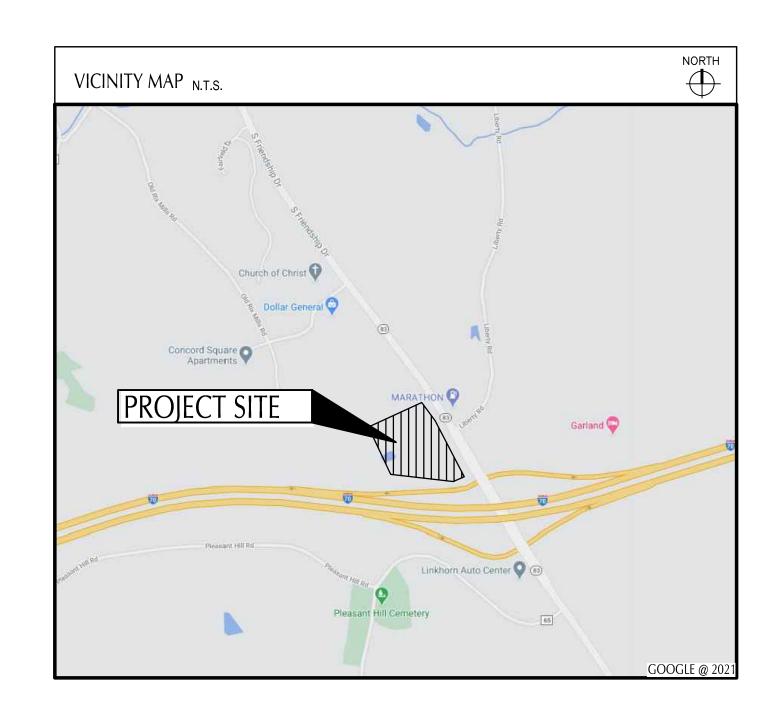


SITE IMPROVEMENT PLANS

NEW SHEETZ STORE

SOUTH FRIENDSHIP DRIVE (S.R. 83) NEW CONCORD, OH 43672





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| IRRIGATION NOTES & DETAILS L-113 | TRAFFIC CONTROL PLAN | | | |
| | BEAM ELEVATION DETAIL | | | |

| Į. | JTILITY CONTACT INFO | | | |
|--|---|--|--|--|
| STORM SEWER VILLAGE OF NEW CONCORD ATTN: RICK GIROUX 2 WEST MAIN ST., NEW CONCORD, OH 43762 P: 740-826-7671 rgiroux@newconcord-oh.gov | SANITARY SEWER VILLAGE OF NEW CONCORD ATTN: RICK GIROUX 2 WEST MAIN ST., NEW CONCORD, OH 43762 P: 740-826-7671 rgiroux@newconcord-oh.gov | WATER VILLAGE OF NEW CONCORD ATTN: MATT WOOD 2 WEST MAIN ST., NEW CONCORD, OH 43762 P: 740-826-7671 mwood@newconcord-oh.gov | | |
| *ELECTRIC GUERNSEY-MUSKINGHAM ELECTRIC COOPERATIVE, INC. ATTN: KEN TOLLIVER 17 S. LIBERTY ST., NEW CONCORD, OH 43762 P: 740-826-7983 tolliver.ken@gmenergy.com *AEP OWNS THE OVERHEAD TRANSMISSION LINES ONLY | TELEPHONE SPECTRUM ATTN: ZACK ALLEN 737 HOWARD ST, ZANESVILLE, OH 740-644-4268 zachary.allen1@charter.com | TELEPHONE FRONTIER COMMUNICATIONS ATTN: TRAVIS ART 9444 CAMPBELL ST, CAMBRIDGE OH 740-432-6961 travis.n.art@ftr.com | | |
| *ELECTRIC AEP ATTN: MATTHEW J. SMITH 8600 SMITHS MILL ROAD NEW ALBANY, OH 43054 P: 614-619-4817 mjsmith@aep.com *AEP OWNS THE OVERHEAD TRANSMISSION LINES ONLY | | | | |

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740-228-5232

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ALTOONA, PA 16602

CONTACT:
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724-683-5630

ENGINEER
GPD GROUP
520 SOUTH MAIN STREET, SUITE 2531
AKRON, OH 44311
330.572.2100

| CONSTRUCTION PLAN APPROVAL: THE SIGNATURES ON THIS PLAN SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE PROFESSIONAL ENGINEER WHO PREPARED AND CERTIFIED THESE PLANS. | | | | | |
|--|--|--|--|--|--|
| RICK GIROUX, VILLAGE ADMINISTRATOR | | | | | |
| CHRIS HUEBNER, WATER/WASTEWATER PLANT SUPERII | NTENDENT | | | | |
| WES HALL, P.E., VILLAGE ENGINEER (CT CONSULTANTS, | INC.) | | | | |
| DESIGN ENGINEER: I HEREBY AFFIRM THAT THESE FINAL CONSTRUCTION P SUPERVISION, IN ACCORDANCE WITH ALL APPLICABLE V STANDARDS AND STATUTES, RESPECTIVELY; AND THAT RELATIVE TO SAID PLANS, TO THE EXTENT COMPLETED | VILLAGE OF NEW CONCORD AND STATE OF OHIO I AM RESPONSIBLE FOR ALL DESIGN AND REVISIONS | | | | |
| NAME | DATE | | | | |
| LICENSE NUMBER | | | | | |
| [INSERT SEAL] | | | | | |

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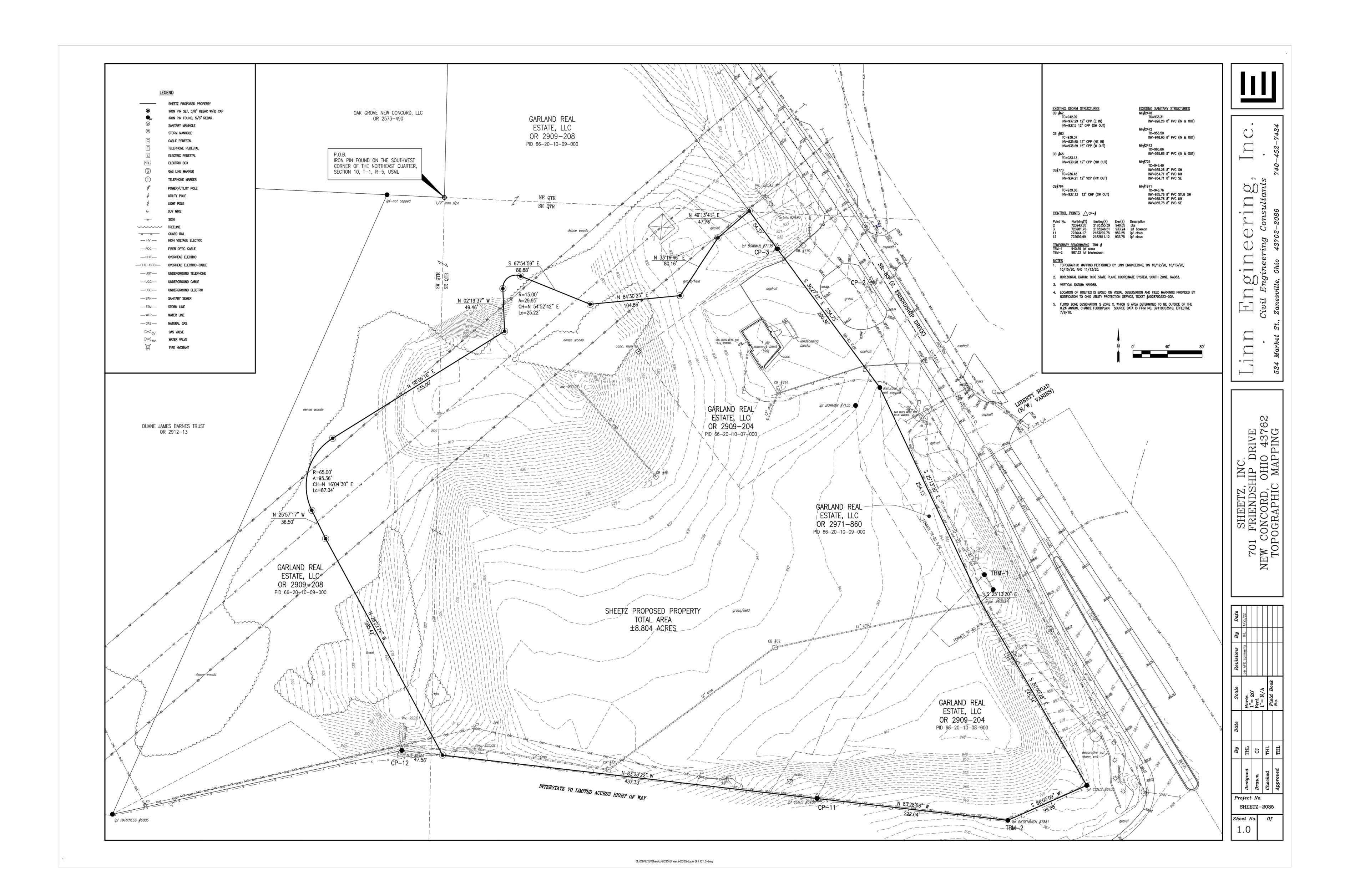
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax 330.572.2101

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PERMIT

T-001



COMMENCING DEMOLITION OPERATIONS (WHEN APPLICABLE) DEMOLITION AND REMOVAL OF SITE IMPROVEMENTS. DISCONNECTING, CAPPING OR SEALING, AND ABANDONING/REMOVING SITE UTILITIES IN PLACE (WHICHEVER IS APPLICABLE).

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL LOCAL AND STATE PERMITS REQUIRED FOR DEMOLITION WORK.

THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND/OR ENGINEER FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT, AND/OR EXISTING FACILITIES IN THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.

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

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

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

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

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

EROSION AND SEDIMENT CONTROL MEASURES AROUND AREAS OF DEMOLITION SHALL BE INSTALLED PRIOR TO INITIATION OF DEMOLITION ACTIVITIES. REFER TO E&S PLAN FOR DETAILS.

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

CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS, AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED, CONTRACTOR SHALL HAVE DISTURBED ITEMS RESET BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.

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

REMOVE AND LEGALLY DISPOSE OF ITEMS EXCEPT THOSE INDICATED TO BE REINSTALLED, SALVAGED, OR TO REMAIN. REMOVE, REINSTALL, AND RELOCATE: REMOVE ITEMS INDICATED; CLEAN, SERVICE, AND OTHERWISE

PREPARE THEM FOR REUSE; STORE AND PROTECT AGAINST DAMAGE. REINSTALL ITEMS IN LOCATIONS INDICATED. EXISTING TO REMAIN: PROTECT ITEMS INDICATED TO REMAIN AGAINST DAMAGE AND SOILING

THROUGHOUT CONSTRUCTION. WHEN PERMITTED BY THE ENGINEER, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION THROUGHOUT CONSTRUCTION AND THEN CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS.

CONTRACTOR SHALL SCHEDULE DEMOLITION ACTIVITIES WITH THE CONSTRUCTION/PROJECT MANAGER INCLUDING THE FOLLOWING: 16.A. DETAILED SEQUENCE OF DEMOLITION AND REMOVAL WORK, WITH STARTING AND ENDING DATES FOR EACH ACTIVITY.

DATES FOR SHUTOFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES. IDENTIFY AND ACCURATELY LOCATE UTILITIES AND OTHER SUBSURFACE STRUCTURAL, ELECTRICAL, OR MECHANICAL CONDITIONS.

REGULATORY REQUIREMENTS: COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE STARTING DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING

. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE WILL NOT BE PERMITTED.

MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE THROUGHOUT CONSTRUCTION OPERATIONS. 19.A. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY ENGINEER AND AUTHORITIES HAVING JURISDICTION. PROVIDE

TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO OWNER AND TO GOVERNING AUTHORITIES. . DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTING AND SEALING HAVE BEEN

COMPLETED AND VERIFIED IN WRITING.

. UTILITY REQUIREMENTS: LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITY SERVICES SERVING THE SITE. 21.A. ARRANGE TO SHUT OFF AND CAP UTILITIES WITH UTILITY COMPANIES AND FOLLOW THEIR

RESPECTIVE UTILITY KILL AND CAP POLICIES. 21.B. COORDINATE EXISTING FACILITIES UTILITY DISCONNECTS WITH THE SHEETZ CONSTRUCTION REPRESENTATIVE A MINIMUM OF 7 DAYS PRIOR TO ANTICIPATED DEMOLITION OF STRUCTURES. 21.C. UTILITY CONTACTS ARE LISTED ON THE TITLE SHEET, T-001.

CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA. 22.A. ERECT TEMPORARY PROTECTION, BARRICADES AS PER LOCAL GOVERNING AUTHORITIES. 22.B. PROTECT EXISTING SITE IMPROVEMENTS AND APPURTENANCES TO REMAIN.

USE OF EXPLOSIVES WILL NOT BE PERMITTED.

REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. ALL DEMOLITION WASTE AND CONSTRUCTION DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND SITE CODES AND PERMIT REQUIREMENTS.

CLEAN ADJACENT BUILDINGS AND IMPROVEMENT OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF DEMOLITION. PROVIDE WATER TO CONTROL DUST CAUSED BY DEMOLITION OF STRUCTURES.

DAMAGES: PROMPTLY REPAIR DAMAGES TO ADJACENT FACILITIES CAUSED BY DEMOLITION

OPERATIONS AT THE CONTRACTORS COST. GENERAL: PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS

TO ACCUMULATE ON-SITE. SURVEY THE CONDITION OF THE BUILDING TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN A STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF THE STRUCTURE

BUILDING PAD DEMOLITION: DEMOLISH BUILDING PAD COMPLETELY AND REMOVE FROM THE SITE. USE METHODS REQUIRED TO COMPLETE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS AND AS

29.A. DISPOSE OF DEMOLISHED ITEMS AND MATERIALS PROMPTLY. 29.B. DEMOLISH CONCRETE AND MASONRY IN SMALL SECTIONS. 29.C. BREAK UP AND REMOVE CONCRETE SLABS ON GRADE.

OR ADJACENT STRUCTURES THROUGHOUT CONSTRUCTION.

BELOW-GRADE DEMOLITION: DEMOLISH FOUNDATION WALLS AND OTHER BELOW-GRADE DEMOLITION, 30.A. COMPLETELY REMOVE BELOW-GRADE DEMOLITION, INCLUDING FOUNDATION WALLS FOOTINGS, AND BELOW GRADE CONCRETE SLABS.

FILLING BELOW-GRADE AREAS: COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF BUILDINGS AND PAVEMENTS WITH SOIL MATERIALS ACCORDING TO REQUIREMENTS PER SOILS REPORT. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO FILLING ANY AREAS. CONTRACTOR SHALL CONTACT ENGINEER TO OBSERVE FILL PROCEDURES.

. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. 32.A. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY GOVERNING REGULATIONS.

. CONTRACTOR TO SAWCUT EXISTING PAVEMENT TO REMAIN PRIOR TO CURB, GUTTER, PAVEMENT, ETC

34. CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH DDOT STANDARDS, AND AS REQUIRED BY LOCAL AGENCIES WHEN WORKING IN AND/OR ALONG STREETS, ROADS, HIGHWAYS, ETC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL AND COORDINATE WITH LOCAL AND/OR STATE AGENCIES REGARDING THE NEED, EXTENT. AND LIMITATIONS ASSOCIATED WITH INSTALLING AND MAINTAINING TRAFFIC CONTROL MEASURES.

CONTRACTOR SHALL PROTECT AT ALL TIMES ADJACENT STRUCTURES AND ITEMS FROM DAMAGE DUE TO DEMOLITION ACTIVITIES.

DEMOLITION CONTRACTOR SHALL COORDINATE EXISTING FACILITIES UTILITY DISCONNECTS WITH THE SHEETZ CONSTRUCTION REPRESENTATIVE AND THE APPROPRIATE UTILITY COMPANY A MINIMUM 7 DAYS PRIOR TO ANTICIPATED DEMOLITION OF STRUCTURES.

CONTRACTOR SHALL REFER TO THE SITE, GRADING AND UTILITY PLANS PRIOR TO DEMOLITION

GENERAL PLAN AND SURVEY NOTES

CONDITIONS.

1. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.

2. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SECTION OF THESE NOTES ENTITLED "GRADING PLAN NOTES" FOR DEFINITIONS AS MAY BE NECESSARY FOR "GEOTECHNICAL ENGINEER" AND "SOILS REPORT".

3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY. THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION/PROJECT MANAGER OF ANY DISCREPANCY BETWEEN SOILS REPORT AND PLANS, ETC.

4. THE CONTRACTOR SHALL, UPON BECOMING AWARE OF SUBSURFACE OR LATENT PHYSICAL CONDITIONS DIFFERING FROM THOSE DISCLOSED BY THE ORIGINAL SOIL EXPLORATION WORK, PROMPTLY NOTIFY THE OWNER VERBALLY TO PERMIT VERIFICATION OF THE CONDITIONS AND IN WRITING, AS TO THE NATURE OF THE DIFFERING CONDITIONS. NO CLAIM BY THE CONTRACTOR FOR ANY CONDITIONS DIFFERING FROM THOSE ANTICIPATED IN THE PLAN AND SPECIFICATIONS AND DISCLOSED BY THE SOIL STUDIES WILL BE ALLOWED UNLESS THE CONTRACTOR HAS SO NOTIFIED THE OWNER, VERBALLY AND IN WRITING AS REQUIRED ABOVE, OF SUCH DIFFERING

5. ALL WORK WITHIN THE RIGHTS OF WAY SHALL BE IN ACCORDANCE WITH THE GOVERNING JURISDICTION AND SPECIFICATIONS.

6. CONTRACTOR SHALL COORDINATE ANY MAINTENANCE OF TRAFFIC WITH THE OWNER'S REPRESENTATIVE AND THE LOCAL JURISDICTION PRIOR TO CONSTRUCTION.

7. CONTRACTOR SHALL AT ALL TIMES ENSURE THAT SWPP MEASURES PROTECTING EXISTING DRAINAGE FACILITIES BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY PHASE OF THE SITE CONSTRUCTION OR LAND ALTERATION. (SEE SWPP PLANS).

8. ALL WORK SHALL BE COMPLETED IN A NEAT AND ORDERLY MANNER REMOVING ALL EXCESS MATERIAL AND WASTE FROM THE SITE INCLUDING TIMELY REMOVAL OF ANY CONCRETE SPLATTER. UPON COMPLETION OF PROJECT, CONTRACTOR SHALL CLEAN THE PAVED AREAS PRIOR TO REMOVAL OF TEMPORARY SEDIMENT CONTROLS. AS DIRECTED BY THE VILLAGE AND/OR CONSTRUCTION/PROJECT MANAGER. IF POWER WASHING IS USED, NO SEDIMENT LADEN WATER SHALL BE WASHED INTO THE STORM SYSTEM. ALL SEDIMENT LADEN MATERIAL ON PAVEMENT OR WITHIN THE STORM SYSTEM SHALL BE COLLECTED AND REMOVED FROM THE SITE <u>AT CONTRACTOR'S EXPENSE</u> (SEE SWPP PLANS).

9. THESE PROJECT CONSTRUCTION DOCUMENTS SHALL NOT CONSTITUTE A CONTRACTUAL RELATIONSHIP BETWEEN GPD GROUP - GLAUS, PYLE, SCHOMER, BURNS & DEHAVEN, INC. AND THE CONTRACTOR / SUBCONTRACTOR / OR OTHER AFFILIATED PARTIES.

10. THE ENGINEER WILL NOT BE RESPONSIBLE FOR CONSTRUCTION OR SAFETY, MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES UTILIZED IN CONSTRUCTION BY THE CONTRACTOR OR SUBCONTRACTORS. ANY SEQUENCING OR SUGGESTED NOTATIONS WHICH MAY APPEAR IN THE PLANS IS INTENDED TO ASSIST IN THE UNDERSTANDING OF PROJECT INTENT.

11. DETAILS, NOTES, AND OTHER REFERENCES CONTAIN HEREIN MAY HAVE BEEN ATTAINED FROM OUTSIDE REFERENCE SOURCE LOCATIONS SUCH AS, BUT NOT LIMITED TO, LOCAL AUTHORITY AGENCIES, DESIGN REFERENCE MANUALS, MANUFACTURE'S RECOMMENDED DOCUMENTATION, OR OTHER INDUSTRY SOURCES. GPD DOES NOT WARRANT INFORMATION OR REPRESENTATION OF SAID CONTENT CONTAINED HEREIN, IT IS SHOWN SOLELY FOR REFERENCE ONLY OF DESIGN INTENT AT THE TIME OF PLAN PREPARATION. THE CONSTRUCTION TEAM MEMBERS (CONTRACTOR AND CONSTRUCTION MANAGER, WHERE APPLICABLE) SHALL OBTAIN THE MOST CURRENT DETAILED INFORMATION FROM THE RESPECTIVE SOURCE TO CONSTRUCT THE IMPROVEMENTS UNDER THE AUTHORITY OF THE RESPECTIVE GOVERNING AGENCIES. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN THE ORIGINAL DESIGN INTENT AND THE CONSTRUCTION TEAM OBTAINED REFERENCE MATERIAL, THE CONSTRUCTION MANAGER OR THE PROJECT'S CONTACT PERSON SHALL BE NOTIFIED PRIOR TO COMMENCING OF ASSOCIATED

12. CONDUCT CONSTRUCTION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS.

13. THE SURVEY BY LINN ENGINEERING, INC., DATED 02/16/2021 SHALL BE CONSIDERED A PART OF THESE PLANS. THE G.C. IS RESPONSIBLE FOR LOCATING IMPROVEMENTS PER THESE PLANS.

14. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLANS ARE BASED ON THE SURVEY BY LINN ENGINEERING, INC., DATED 02/16/2021. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO BECOME FAMILIAR WITH THE SITE'S POSSIBLE BELOW GRADE FEATURES, INCLUDING BUT NOT LIMITED TO, ROOMS, VAULTS, UTILITIES, ETC. AND SHALL CONDUCT A WALK THROUGH WITH THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR REPAIR TO DAMAGE CAUSED BY THEIR WORK FORCE TO FACILITIES WHICH ARE NOT INTENDED TO BE DISTURBED

15. ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON THE SURVEY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION/PROJECT MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION

16. IN SOME CASES, THE DEVELOPER OR OWNER MAY HAVE PROVIDED THEIR OVERALL DEVELOPMENT PLANS FOR THE PROJECT DESIGN RATHER THAN A FIELD SURVEY. (SEE SITE PLAN FOR NOTES WHEN THIS IS THE CASE). ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON SAID DEVELOPMENT PLANS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.

17. THE CONTRACTOR SHALL RUN AN INDEPENDENT VERTICAL CONTROL TRAVERSE TO CHECK BENCHMARKS AND A HORIZONTAL CONTROL TRAVERSE THROUGH THE REFERENCED PROJECT CONTROL DATUM TO CONFIRM GEOMETRIC DATA. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.

SITE LAYOUT NOTES

CONTRACTOR SHALL REFER TO THE SHEETZ ARCHITECTURAL PLANS FOR THE EXACT LOCATION OF UTILITY ENTRANCES, BUILDING DIMENSIONS, ROOF LEADERS, EXIT DOORS, EXIT

ALL DIMENSIONS AND RADII ARE GIVEN TO BUILDING FACE, FACE OF CURB, OR EDGE OF

SIDEWALK, UNLESS OTHERWISE NOTED.

3. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS FOR THE INSTALLATION OF TRAFFIC SIGNAGE AND PAVEMENT MARKINGS AS SHOWN ON THE CONSTRUCTION PLANS.

ALL NON-LANDSCAPED ISLANDS SHALL BE PAINTED WITH STRIPES 4" WIDE, AT 45° AND 2 FEET

ALL STRIPING SHALL BE 4" WIDE UNLESS NOTED OTHERWISE.

CONTRACTOR SHALL COORDINATE FINAL LOCATION OF GROUND SIGN WITH SHEETZ.

CONTRACTOR SHALL REFER TO THE OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.

ALL EXTERIOR CURB SHALL HAVE EXPANSION JOINTS AT 75'-0" O.C, AND CONTROL JOINTS AT 25'-0" O.C. (UNLESS OTHERWISE SPECIFIED ON THE DETAIL SHEETS) ALL EXTERIOR WALK SHALL HAVE EXPANSION JOINTS AT 20'-0" O.C. AND CONTROL JOINTS @ 5'-0" MAX. O.C. (UNLESS OTHERWISE SPECIFIED ON THE DETAIL SHEETS).

ALL CONCRETE SHALL HAVE A MEDIUM TRANSVERSE FINISH UNLESS OTHERWISE SPECIFIED IN THE SHEETZ PROJECT SCOPE OF WORK.

CONCRETE NOTES AND SPECIFICATIONS

1. ALL EXTERIOR SITE SPECIFIC PORTLAND CEMENT CONCRETE (PCC) (I.E. SIDEWALK, PAVEMENT OR CURBING) SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST EDITIONS OF THE STATE DEPARTMENT OF TRANSPORTATION (DOT) AND THE AMERICAN CONCRETE INSTITUTE (ACI) SPECIFICATIONS USING THE RESPECTIVE ASTM STANDARDS FOR MATERIALS USED, MIXING TRANSPORTATION, FORMING, PLACEMENT, CURING, AND SEALING. THE MINIMUM STRENGTH FOR NORMAL WEIGHT CONCRETE IS 4000 PSI AT 28 DAY STRENGTH. CONTRACTOR SHALL REFER TO DETAILS, NOTES, AND SPECIFICATIONS WITHIN THE CONSTRUCTION DOCUMENTS FOR VARIATIONS TO THIS SPECIFICATION. MIX DESIGN SHOP DRAWINGS SHALL BE TAILORED TO THE ACTUAL FIELD PLACEMENT CONDITIONS AND BE SUBMITTED TO THE CONSTRUCTION/PROJECT MANAGER IN ACCORDANCE WITH THE PROJECT REQUIREMENTS.

2. ALL EXTERIOR SITE CONCRETE CURBS SHALL HAVE JOINTS PER ACI 330. CURB JOINTS ARE TO ALIGN WITH CONCRETE PAVEMENT JOINTS WHERE APPLICABLE, TYPICALLY BEING 10 FT TO 12 FT. ALL EXTERIOR VEHICULAR CONCRETE PAVEMENT AND FLATWORK SHALL HAVE CONTROL JOINTS PER TABLE BELOW AND EXPANSION JOINTS PER ACI 330 TYPICAL RECOMMENDATIONS.

| SLAB THICKNESS - " T " | MAXIMUM JOINT SPACING |
|------------------------|-----------------------|
| LESS THAN 4 INCHES | 8 FEET |
| 4 - < 5 INCHES | 10 FEET |
| 5 - < 6 INCHES | 12.5 FEET |
| 6 INCHES - < 8 INCHES | 15 FEET |
| 8 INCHES - 10 INCHES | 15 FEET |

3. ALL JOINTS, INCLUDING SAWED JOINTS, SHALL BE SEALED, UNLESS OTHERWISE SPECIFIED IN THE SHEETZ CONSTRUCTION SCOPE OF SERVICES.. JOINTS SHALL BE CLEANED AND DRIED PRIOR TO SEALING. JOINT FILLER MATERIAL SHALL CONFORM TO ASTM D1751 OR ASTM D8139.

4. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR FINAL LAYOUT OF THE JOINTING WHICH COINCIDES WITH THEIR MEANS AND METHODS TO ENSURE NO UNDESIRED CRACKS FORM THROUGH ANY PLACED CONCRETE. JOINTS SHALL BE APPROPRIATELY PLACED AS SOON AS POSSIBLE TO KEEP UNNECESSARY CRACKS FROM DEVELOPING. CONTRACTOR SHALL COORDINATE PAVEMENT JOINT LAYOUT WITH OWNER / CONSTRUCTION MANAGER PRIOR TO PLACEMENT. THE CONTRACTOR SHALL REPLACE ANY CRACKED CONCRETE, WHICH HAS NOT BEEN PLACED/FINISHED IN ACCORDANCE WITH ACI STANDARDS, AT NO ADDITIONAL COST TO THE PROJECT WITHIN ONE YEAR OF PROJECT COMPLETION OR AS SPECIFIED ON THE SHEETZ CONSTRUCTION SCOPE OF SERVICES.

5. ALL SYNTHETIC FIBERS SHALL BE TYPE III PER ASTM C1116 AND ASTM D7508. MACRO FIBERS SHALL BE 1.5 TO 2.25 INCHES IN LENGTH.

6. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, ASTM A1064, ASTM A307, AND ASTM A775. WHEN USED, ALL W.W.F. SLAB REINFORCEMENT SHALL BE SUPPORTED ON CHAIRS AND BE FLAT SHEETS ONLY. ZINC REPAIR MATERIAL SHALL CONFORM TO ASTM A780.

. CONCRETE SHALL ARRIVE AT JOB SITE WITH APPROPRIATE W/C RATIO. NO WATER SHALL BE ADDED TO CONCRETE ON SITE WHICH EXCEEDS THE MAXIMUM ALLOWED W/C RATIO AS INDICATED BY THE WRITTEN BATCH PLANT TICKET FROM THE SUPPLIER. SUPERPLASTICIZER AND/OR OTHER ADMIXTURES MAY BE UTILIZED TO ACHIEVE DESIRED WORKABILITY OR TO ACCOUNT FOR ADVERSE PLACEMENT CONDITIONS. ADMIXTURES SHALL BE UTILIZED ONLY IN ACCORDANCE WITH THE MANUFACTURES WRITTEN INSTRUCTIONS AND MEET THE REQUIREMENTS OF ASTM C494 AND/OR ASTM C1017.

8. $\,$ AGGREGATES SHALL BE LOW-SHRINKAGE / WELL GRADED PER ASTM C33 AND THE LOCAL DOT SPECIFICATIONS WHICH ARE RESISTANT TO FREEZE / THAW, SULFATE ATTACK, AND ARE NOT ALKALI-CARBONATE AGGREGATES OR SUSCEPTIBLE TO ALKALI-AGGREGATE REACTIVITY. SLAG AGGREGATES SHALL NOT BE PERMITTED IN ANY CONCRETE MIX.

9. LIQUID MEMBRANE FORMING CURING COMPOUNDS, IF USED, SHALL BE PER ASTM C1315 TYPE II CLASS A IN ACCORDANCE WITH ACI 308. LIQUID MEMBRANE FORMING CURING COMPOUNDS SHALL BE WHITE PIGMENTED AND TWO COATS APPLIED IN TWO PERPENDICULAR UNIFORM APPLICATIONS PER MANUFACTURES RECOMMENDATIONS WITHIN THE ALLOWABLE TIME PERIODS.

INSTRUCTIONS. A WRITTEN STATEMENT FROM THE MANUFACTURE FOR THE SEALER AND CURING

COMPOUND SHALL BE PROVIDED GUARANTEEING COMPATIBILITY. 11. REFER TO ACI INDUSTRY STANDARDS FOR CONCRETE PLACEMENT AND INSTALLATION. CONTRACTOR SHALL INCLUDE PROVISIONS IN ACCORDANCE WITH ACI 305R AND 306R FOR HOT

AND COLD WEATHER PLACEMENT WHEN PROJECT SCHEDULE TIMING FALLS WITHIN THE

10. CONCRETE SEALER SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN

SHEETZ CONCRETE SPECIFICATION

REQUIRED TEMPERATURE RANGES PER ACI AND THE LOCAL DOT.

EXTERIOR SITE CONCRETE

4000 PSI (PER ACI 318) MIN. CEMENT FACTOR 588# (6.25 BAGS) MAX. W/C

ENTRAINED AIR SLUMP WATER REDUCER RETARDER TEMPERATURE EXCEEDS 85°

4" MAX. UNLESS HRWR OR MID RANGE WR; THEN 6"-8" NORMAL TYPE A NORMAL TYPE D AS NEEDED (REQUIRED IF CONCRETE

CONCRETE TEMPERATURE ACCELERATOR

FIBER* $1\frac{1}{2}$ " @ 1.5#/C.Y. (AS FIBERMESH 300 OR EQUIVALENT)

50° - 90° F

*NOTE: FIBER REQUIREMENT MAY BE WAIVED, SITE SPECIFIC, AT OWNER'S DISCRETION. THE ABOVE LISTED SUBMITTAL DATA IS IN GENERAL COMPLIANCE WITH THE GUIDELINES GIVEN IN ACI 301 AND ACI 318. THE CONCRETE SUPPLIER MUST BE FAMILIAR WITH THESE DOCUMENTS.

NON-CHLORIDE TYPE ONLY

STORMWATER MANAGEMENT NOTES

THE USE OF CALCIUM CHLORIDE IS PROHIBITED!!

ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS, THE CURRENT REQUIREMENTS OF NEW CONCORD AND MUSKINGHUM COUNTY, THE APPLICABLE SECTIONS OF ODOT STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION, AND ALL OTHER FEDERAL AND STATE LAWS.

THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF A BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMIALIR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.

BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.

5. CONTRACTOR SHALL COORDINATE PUMP ISLAND CANOPY DRAINS CONNECTION TO THE MAIN COLLECTOR PIPE WITH SHEETZ AND PROVIDE ALL NECESSARY FITTINGS TO MAKE THE CONNECTION TO THE MAIN COLLECTOR PIPE.

CONTRACTOR SHALL PROVIDE SHOP DRAWINGS ON ALL STORM SEWER MANHOLES AND

AN AS-BUILT DRAWING OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR

AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT. 8. ALL STORM PIPE SHALL BE AS SPECIFIED. ALL JOINTS SHALL BE WATERTIGHT.

9. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.

GRADING PLAN NOTES

1. A GEOTECHNICAL ENGINEERING REPORT HAS BEEN PREPARED BY GPD GROUP, DATED 03/24/2021 AND SHALL BE CONSIDERED TO BE A PART OF THIS PLAN SET.

2. BEFORE STARTING GRADING OPERATIONS, SEE STORMWATER POLLUTION PREVENTION PLAN. NOTES AND DETAILS (SWPP), AND SOILS REPORT FOR TREATMENT OF EXISTING GRADE.

3. PRIOR TO SITE CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL INSTALL ALL SWPP MEASURES TO PROTECT EXISTING DRAINAGE FACILITIES. CONTRACTOR SHALL PREVENT SILTATION FROM LEAVING THE SITE AT ALL TIMES.

4. STRIP BUILDING AND PAVEMENT AREAS OF ALL ORGANIC TOPSOILS. STOCKPILE SUITABLE TOPSOILS FOR RESPREADING ONTO LANDSCAPE AREAS. ALL EXCESS EXCAVATED MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE. SEE GEOTECHNICAL REPORT FOR STRIPPING AND TOPSOIL REQUIREMENTS.

5. OBTAIN APPROVED BORROW SOIL MATERIALS OFF-SITE WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE ON-SITE.

6. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL ENGINEERING REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL ENGINEERING REPORT. UNLESS OTHERWISE SPECIFIED IN THE PLANS, SPECIFICATIONS, OR GEOTECHNICAL ENGINEERING REPORT THE SITE GRADING, EXCAVATION, AND EMBANKMENT SHALL BE IN ACCORDANCE WITH THE STATE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.

7. AT A MINIMUM ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 100% MAXIMUM DRY DENSITY PER A.S.T.M. TEST D-698 AT A MOISTURE CONTENT WITHIN 2% DRY TO 1% OVER OPTIMUM FOR COHESIVE OR SILTY BORROW. CONTROLLED LIFTS OF GRANULAR MATERIAL SHOULD BE COMPACTED TO 80% RELATIVE DENSITY PER ASTM D-4254. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEERING REPORT AND RETAIN A QUALIFIED SOILS ENGINEER REGISTERED WITHIN THE STATE TO ENSURE COMPLIANCE WITH THE GEOTECHNICAL ENGINEERING REPORT, MAKE GEOTECHNICAL RECOMMENDATIONS BASED ON FIELD CONDITIONS, AND ENSURE THAT ALL SHORING AND DEWATERING MEANS AND METHODS WILL NOT COMPROMISE THE STABILITY OF EXISTING OR PROPOSED FOOTINGS/FOUNDATIONS. THE OWNER SHALL RECEIVE ALL COMPACTION REPORTS PREPARED BY THE CONTRACTOR'S GEOTECHNICAL ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL ENGINEERING REPORT. NOTIFY PROJECT CONSTRUCTION MANAGER IF ANY UNSUITABLE SOILS ARE FOUND.

8. FOLLOWING GRADING OF SUBSOIL TO SUBGRADE ELEVATIONS THE CONTRACTOR SHALL PLACE TOPSOIL TO A 6" DEPTH (UNLESS OTHERWISE SPECIFIED IN LANDSCAPING DETAILS) IN ALL DISTURBED AREAS WHICH ARE NOT TO BE PAVED. SMOOTHLY FINISH GRADE TO MEET SURROUNDING LAWN AREAS AND ENSURE POSITIVE DRAINAGE. STOCKPILED TOPSOIL SHALL BE SCREENED PRIOR TO RESPREADING. TOPSOIL SHALL BE FREE OF SUBSOIL, DEBRIS, BRUSH AND STONES LARGER THAN 1" IN ANY DIMENSION. ROCK HOUNDING IN PLACE WILL NOT BE PERMITTED. ALL EXCESS TOPSOIL SHALL BE LEGALLY DISPOSED OF OFF SITE.

9. ELEVATIONS GIVEN ARE AT BOTTOM FACE OF CURB AND/OR FINISHED PAVEMENT GRADE UNLESS OTHERWISE SPECIFIED ON GRADING PLAN. ALL PAVEMENT SHALL BE LAID ON A STRAIGHT, EVEN, AND UNIFORM GRADE WITH A MINIMUM OF 1% SLOPE TOWARD THE COLLECTION POINTS UNLESS OTHERWISE SPECIFIED ON THE GRADING PLAN. DO NOT ALLOW NEGATIVE GRADES OR PONDING OF WATER.

10. SLOPE BUILDING SIDEWALK AWAY FROM THE BUILDING AT A MAXIMUM OF 1.5% (UNLESS OTHERWISE INDICATED ON THE GRADING PLAN).

11. WHEN CONSTRUCTING ASPHALTIC CONCRETE PAVEMENTS, CONTRACTOR SHALL PROVIDE BUTT END JOINT TO MEET EXISTING PAVEMENT IN ELEVATION AT DRIVE RETURNS AND ENSURE POSITIVE DRAINAGE.

12. ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS PREPARED BY GPD GROUP, THE CURRENT REQUIREMENTS OF NEW CONCORD. THE APPLICABLE SECTIONS OF THE ODOT STANDARDS SPECIFICATIONS FOR ROADWAY CONSTRUCTION AND ALL OTHER PERTINENT FEDERAL STATE LAWS.

13. THE CONTRACTOR SHALL COMPLY AT ALL TIME WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-54), FEDERAL REGISTER, CHAPTER XVII. PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL; SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION AND SUBSEQUENT PUBLICATIONS UPDATING THE REGULATIONS.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF A BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.

15. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLAN ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS AND MAY NOT BE ALL THE UTILITIES AT THE SITE. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. CONTRACTOR SHALL CALL OHIO UTILITIES PROTECTION SERVICE @ 800-362-2764 PRIOR TO COMMENCEMENT OF WORK. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THEIR FACILITIES CAUSED BY HIS/HER WORKFORCE.

16. ALL EXISTING TREES, VEGETATION, PAVEMENTS, CONCRETE FOUNDATIONS, STRUCTURES AND ORGANIC TOPSOIL SHALL BE STRIPPED AND REMOVED FROM NEW CONSTRUCTION AREAS UNLESS NOTED OTHERWISE.

17. ALL SLOPES SHALL BE 3:1 (HORIZONTAL: VERTICAL) MAXIMUM UNLESS NOTED OTHERWISE.

18. AN AS-BUILT DRAWING OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT. COORDINATE SCOPE OF WORK WITH SHEETZ CONSTRUCTION MANAGER.

19. ALL AREAS NOT PAVED SHALL BE TOP SOILED, SEEDED, SODDED, MULCHED AND/OR LANDSCAPED UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DRAWINGS, SITE SPECIFICATIONS OR INSTRUCTED BY THE OWNER.

20. CONTRACTOR SHALL REFER TO THE GEOTECHNICAL ENGINEERING REPORT BY GPD GROUP PRIOR TO INITIATION OF ANY EARTHWORK. 21. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER

ELECTRICAL NOTES 1. SEE PHOTOMETRIC PLAN FOR FIXTURE AND POLE INFORMATION. COORDINATE ALL WORK WITH

2. CONTRACTOR SHALL VERIFY ALL CONDUIT SERVICES WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.

PERTINENT INFORMATION.

ARCHITECTURAL AND SITE DRAWINGS.

3. ALL PARKING LOT LIGHTING WIRING SHALL BE NO. 10 AWG IN 1" PVC DUCT. 4. WHEN INSTALLING VERTICAL SWEEPS FOR UTILITY CONDUITS, CONTRACTOR SHALL USE 4"

SCHEDULE 80 DUCTS. 5. CONDUIT LOCATIONS TO POLE SIGNS AND SITE LIGHT POLES TO BE COORDINATED WITH SHEETZ SUPERINTENDENT.

6. CONSTRUCTION AND MATERIALS PROVIDED BY THE ELECTRIC COMPANY:

 FURNISH AND INSTALL PAD MOUNTED TRANSFORMER. INSTALL PRIMARY CONDUCTORS

 MAKE APPROPRIATE PRIMARY AND SECONDARY CONNECTIONS AT TRANSFORMER. FURNISH AND INSTALL METER.

 FURNISH AND INSTALL CT CABINET. MAKE APPROPRIATE CONNECTIONS AT OVERHEAD SERVICE. COORDINATE ALL WORK WITH KEN TOLLIVER @ 740-826-7661.

7. CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR FURNISH AND INSTALL TRANSFORMER PAD FURNISH AND INSTALL (2) 5" PVC SCHEDULE 40 PRIMARY CONDUITS WITH PULL WIRE FROM POLE TO TRANSFORMER FOR PRIMARY CONDUCTORS.

 FURNISH AND INSTALL (4) 4" PVC SCHEDULE 40 SECONDARY CONDUITS WITH EACH CONDUIT CONTAINING 4 WIRES OF MCM CABLE. FROM THE BUILDING TO THE TRANSFORMER. ALL TRENCHING AND BACKFILLING. INCLUDE ALL FEES REQUIRED BY ELECTRIC COMPANY TO PROVIDE A COMPLETE WORKING

GENERAL UTILITY NOTES

1. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES IMMEDIATELY AFTER BID IS AWARDED AND ENSURE THE UTILITY COMPANIES HAVE THE ESSENTIALS REQUIRED FOR COMPLETE SERVICE INSTALLATION. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER AND ENGINEER OF ANY

TIME FRAMES ESTABLISHED BY UTILITY COMPANIES WHICH WILL NOT MEET OPENING DATE.

2. CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, INVERT ELEVATION, AND CONDITION OF EXISTING UTILITIES WHICH ARE INTENDED TO BE UTILIZED AS A CONNECTION POINT FOR ALL PROPOSED UTILITIES, PRIOR TO ANY CONSTRUCTION. CONTRACTOR TO ENSURE EXISTING UTILITIES ARE IN GOOD CONDITION AND FREE FLOWING (IF APPLICABLE), IF ELEVATIONS, SIZE, OR LOCATION DIFFER FROM WHAT IS SHOWN ON PLANS, CONTRACTOR SHALL NOTIFY ENGINEER

WHERE PLANS PROVIDE FOR PROPOSED WORK TO BE CONNECTED TO, OR CROSS OVER AN EXISTING SEWER OR UNDERGROUND UTILITY. THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING THE PROPOSED WORK. IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT. OR EXISTING APPURTENANCE RESULTS IN A CHANGE IN THE PLAN, THE ENGINEER AND SHEETZ CONSTRUCTION MANAGER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED WORK WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY. PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT ITEM.

4. UTILITY SERVICE PROVIDERS RULES AND REQUIREMENTS TAKE PRECEDENCE OVER INFORMATION HEREIN. IF DISCREPANCY ARISES, CONTRACTOR SHALL FULLY COORDINATE WITH UTILITY SERVICE PROVIDER PRIOR TO START OF CONSTRUCTION.

5. ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS, THE CURRENT REQUIREMENTS OF THE NEW CONCORD, THE APPLICABLE SECTIONS OF ODOT STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION, AND ALL OTHER PERTINENT FEDERAL AND STATE

THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF A BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH THE CONDITIONS AND CONSTRAINTS.

BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.

9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BID AND PERFORM ALL UTILITY WORK IN COMPLIANCE TO ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH THE INSTALLATION, INSPECTING, TESTING AND FINAL ACCEPTANCE OF ALL PROPOSED UTILITIES CONSTRUCTION.

11. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY COMPANY ON THE ADDITION, REMOVAL AND/OR RELOCATION OF UTILITIES AND UTILITY POLES AND THE EXTENSION OF ALL PROPOSED UTILITIES TO THE SHEETZ STORE.

12. ALL UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE UTILITY COMPANY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL UTILITIES ARE INSTALLED CORRECTLY TO MEET PROJECT REQUIREMENTS WHETHER PERFORMED BY THE CONTRACTOR OR NOT.

13. AN AS-BUILT DRAWING OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT.

UTILITY COMPANIES AND CONTACTS ARE LISTED ON SHEET T-001

15. CONDUIT LOCATIONS TO GROUND SIGN AND SITE LIGHT POLES TO BE COORDINATED WITH SHEETZ

16. CONTRACTOR SHALL COORDINATE WITH SHEETZ SUPERINTENDENT ON LOCATION AND SIZE OF THE GREASE TRAP. GREASE TRAP SHALL BE PROVIDED WITH "T" PIPE IN OUTFLOW CHAMBER.

17. CONTRACTOR SHALL COORDINATE WITH SHEETZ ON CONDUIT ROUTE TO STORE FROM THE

TRANSFORMER AND/OR SERVICE UTILITY POLE FOR TELEPHONE AND ELECTRICAL SERVICE.

18. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.

STORM SEWER NOTES

1. ALL STORM SEWER PIPE 12" OR GREATER IN DIAMETER SHALL BE CORRUGATED HIGH DENSITY POLYETHYLENE (HDPE) SMOOTH INTERIOR PIPE (UNLESS OTHERWISE NOTED ON PLAN). HDPE PIPE SHALL CONFORM TO ASTM D 3350 AND JOINTS PER ASTM F477. STORM SEWER LESS THAN 12" IN DIAMETER SHALL BE PVC, SDR 35, PER ASTM D 3034 AND JOINTS PER ASTM D 3212 (OR APPROVED

2. CONTRACTOR SHALL COORDINATE PUMP ISLAND CANOPY DRAINS CONNECTION TO THE MAIN COLLECTOR PIPE WITH SHEETZ AND PROVIDE ALL NECESSARY FITTINGS TO MAKE THE CONNECTION TO THE MAIN COLLECTOR PIPE.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRENCHING, BACKFILLING AND PIPE INSTALLATION, PIPE MATERIAL AND TAP CONNECTION.

4. ALL DRAINAGE STRUCTURES AT PAVEMENT SUMPS SHALL HAVE FINGER DRAINS PER DETAILS IN 5. ALL STORM STRUCTURES AND PIPE SHALL BE CONSTRUCTED AS SHOWN ON THESE DRAWINGS AND

DETAILED PER THE ODOT STANDARD DRAWINGS, AND 2019 CONSTRUCTION AND MATERIAL

SPECIFICATIONS, OR LATEST VERSION.

SANITARY SEWER NOTES 1. SANITARY SEWER LATERAL INVERT AT BUILDING SHALL BE A MINIMUM OF 50" BELOW THE FINISH

2. SERVICE ENTRY POINT INTO BUILDING SHOULD BE VERIFIED W/ THE ARCHITECTURAL DRAWINGS. 3. CLEAN-OUTS TO BE INSTALLED AT ALL PIPE BENDS AND ANGLES, UNLESS A MANHOLE IS INDICATED

OR AS SPECIFIED IN THE PLANS. 4. THE CONTRACTOR SHALL HIRE A PLUMBER LICENSED WITH THE LOCAL SANITARY JURISDICTION TO MAKE ALL CONNECTIONS FROM THE BUILDING TO THE EXISTING SEWER. CONTRACTOR SHALL SECURE A SANITARY SEWER CONNECTION PERMIT PRIOR TO ANY CONSTRUCTION. THE CONTRACTORS PRICE FOR SANITARY SEWER INSTALLATION SHALL INCLUDE ALL FEES AND APPURTENANCES REQUIRED BY THE LOCAL SANITARY JURISDICTION TO PROVIDE A COMPLETE

WORKING SERVICE. COORDINATE ALL WORK WITH RICK GIROUX @ 740-826-7671. 5. ALL SANITARY PIPE MATERIAL SHALL BE 6" PVC, SDR 35 CONFORMING TO ASTM D 3034, WITH JOINTS PER ASTM 3212 UNLESS OTHERWISE REQUIRED BY THE LOCAL JURISDICTION.

6. ALL LATERAL CONNECTIONS SHALL BE MADE BY SITE CONTRACTOR.

WATER NOTES

 WATER SERVICE MATERIALS TO THE STORE SHALL BE PEX UNLESS OTHERWISE NOTED ON PLANS. DIAMETER SHALL BE AS NOTED ON THESE PLANS AND SHALL BE INSTALLED WITH A MINIMUM COVER

OF 48", BELOW FROST LINE OR PER JURISDICTION, WHICHEVER IS GREATER. 2. DOMESTIC SERVICE LINE BACKFLOW PREVENTOR DEVICE SHALL BE LOCATED IN STORE. IRRIGATION BACKFLOW PREVENTOR DEVICE SHALL BE LOCATED OUTSIDE AS INDICATED ON PLAN C-131, NOTE

3. CONSTRUCTION AND MATERIALS PROVIDED BY NEW CONCORD WATER COMPANY a. VILLAGE WILL FURNISH 2" WATER METER AND FLANGES, TO BE INSTALLED BY CONTRACTOR. b. COORDINATE ALL WORK WITH THE MATT WOOD @ 740-826-7671. c. TAP THE DOMESTIC WATER SERVICE AND IRRIGATION SERVICE OFF OF THE MAIN.

c. FURNISH AND INSTALL WATER IRRIGATION SERVICE LINE FROM PROPERTY LINE TO METER PIT.

d. FURNISH AND INSTALL IRRIGATION METER VAULT AND BACKFLOW PREVENTER, RPZ BACKFLOW

f. FURNISH AND INSTALL FIRE HYDRANT, SERVICE, AND VALVING PER VILLAGE STANDARDS AND

e. FURNISH AND INSTALL DEDUCT METER FOR DIESEL AREA WATER SERVICE HYDRANTS.

d. FURNISH AND INSTALL WATER AND IRRIGATION SERVICES FROM TAP LOCATION TO CURB STOPS.

4. CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR: a. FURNISH AND INSTALL ALL ON-SITE WATER VALVES, AND ALL HYDRANT SERVICE VALVES. b. FURNISH AND INSTALL WATER SERVICE LINE FROM CURB STOP TO BUILDING.

FURNISH AND INSTALL WATER AND IRRIGATION CURB STOPS.

SPECIFICATIONS. g. ALL TRENCHING AND BACKFILLING. CABLE/TELECOMMUNICATIONS NOTES

COORDINATE WITH SHEETZ.

PREVENTORS ARE NOT PERMITTED BELOW GRADE.

GENERAL LEGEND

EXISTING

—— P/L —— EXISTING PROPERTY LINE ——R/W —— EXISTING RIGHT OF WAY LINE

— C/L — EXISTING CENTER LINE

EXISTING IRON PIN FOUND AS NOTED EXISTING MONUMENT BOX FOUND AS NOTED

EXISTING POWER & TELEPHONE POLE

EXISTING LIGHT POLE

EXISTING TELEPHONE POLE

EXISTING UNKNOWN POLE EXISTING ELECTRIC METER

EXISTING UNDERGROUND ELECTRIC LINE MARKER **EXISTING TRANSFORMER**

EXISTING SIGNAL POLE EXISTING SIGNAL PULL BOX

EXISTING CATCH BASIN EXISTING CURB INLET

EXISTING DOWN SPOUT EXISTING STORM MANHOLE EXISTING SANITARY MANHOLE

EXISTING FIRE HYDRANT **EXISTING WATER VALVE**

EXISTING UNDERGROUND WATER LINE MARKER EXISTING GAS VALVE

EXISTING GAS METER EXISTING UNDERGROUND CABLE LINE MARKER

EXISTING POST OR BOLLARD

EXISTING UNDERGROUND CABLE LINE MARKER

EXISTING SPRINKLER HEAD

EXISTING SIGN EXISTING HANDICAP SIGN

EXISTING TRAFFIC CONTROLLER BASE EXISTING CLEANOUT EXISTING AIR COMPRESSOR

EXISTING GUY WIRE EXISTING MONITORING WELL

EXISTING YARD LIGHT EXISTING FLAG POLE

EXISTING COLUMN

EXISTING OVERHANG EXISTING OVERHEAD UTILITY LINES

EXISTING UNDERGROUND STORM LINES

EXISTING UNDERGROUND SANITARY LINES

EXISTING UNDERGROUND FIBER OPTIC LINES

— G — EXISTING UNDERGROUND GAS LINES

EXISTING FILLER CAP

EXISTING GREASE PIT

EXISTING RIP RAP

EXISTING UNDERGROUND WATER LINES EXISTING UNDERGROUND ELECTRIC LINES

— C — EXISTING UNDERGROUND CABLE LINES

PROPOSED CATCH BASIN PROPOSED CLEANOUT PROPOSED LIGHT POLE

PROPOSED DIRECTIONAL PAVEMENT MARKINGS PROPOSED TRANSVERSE STRIPING

PROPOSED EDGE OF PAVEMENT

PROPOSED WHEEL STOP

PROPOSED TRAFFIC SIGN

PROPOSED SIGNAGE

PROPOSED CURB

520 South Main Street, Suite 253 Akron, OH 4431 330.572.2100 Fax 330.572.210

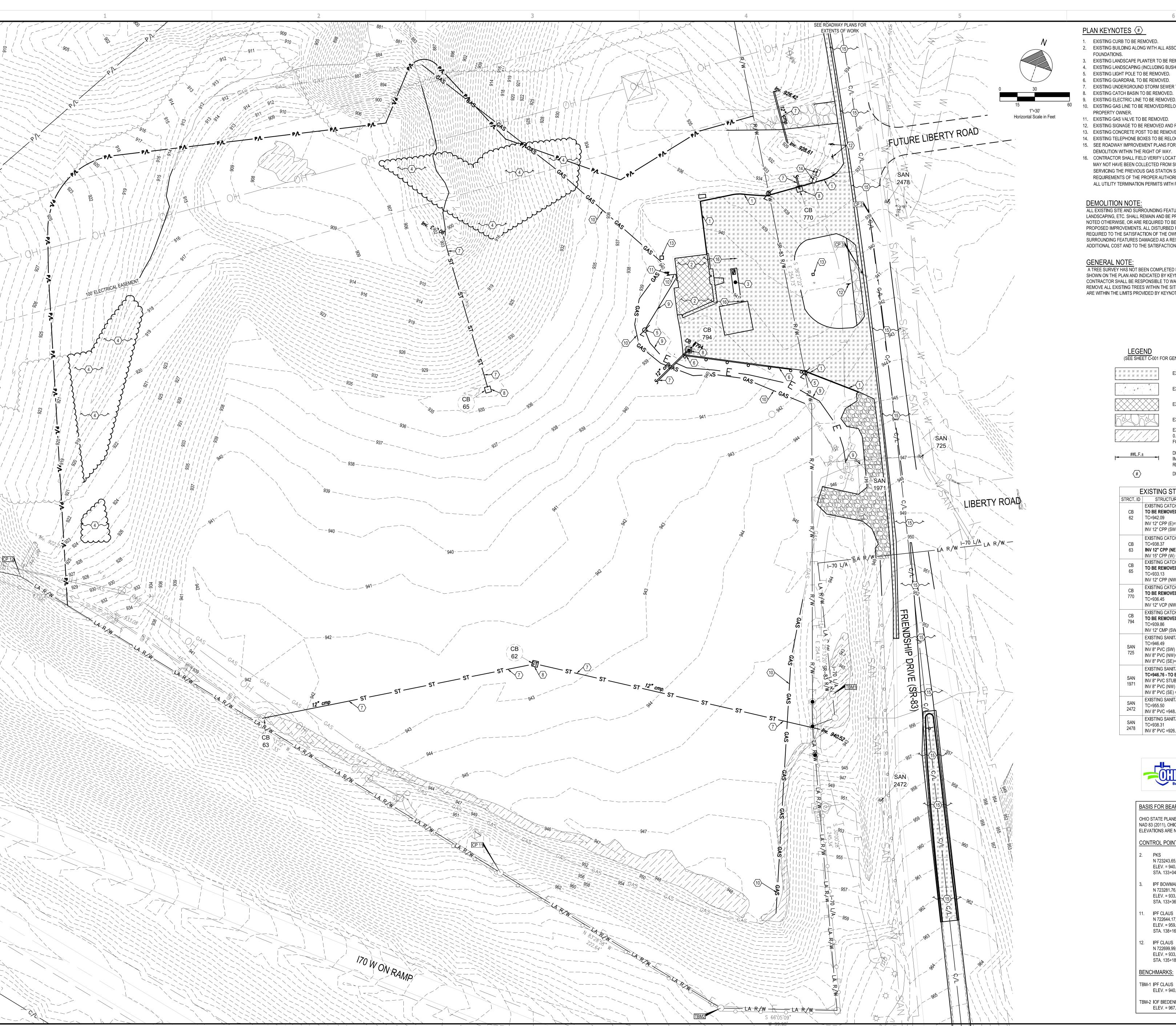
ppyright; Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 202

10 SE ISSUED FOR: PERMIT CONSTRUCTION RECORD PROJECT MANAGER DESIGNER

LEONARDO A

SFERRA

PLAN REPRODUCTION WARNING THE PLANS HAVE BEEN CREATED ON ANSI E (30"x42") SHEETS FOR REDUCTIONS, REFER TO GRAPHIC SCALE.





- 1. EXISTING CURB TO BE REMOVED. 2. EXISTING BUILDING ALONG WITH ALL ASSOCIATED BUILDING CANOPIES, OVERHANGS, AND FOUNDATIONS.
- 3. EXISTING LANDSCAPE PLANTER TO BE REMOVED IN ITS ENTIRETY. 4. EXISTING LANDSCAPING (INCLUDING BUSHES, TREES, ETC.) TO BE REMOVED.
- 5. EXISTING LIGHT POLE TO BE REMOVED.
- 6. EXISTING GUARDRAIL TO BE REMOVED. 7. EXISTING UNDERGROUND STORM SEWER TO BE REMOVED.
- 9. EXISTING ELECTRIC LINE TO BE REMOVED. 10. EXISTING GAS LINE TO BE REMOVED/RELOCATED IF NOT ALREADY REMOVED BY
- PROPERTY OWNER.
- EXISTING GAS VALVE TO BE REMOVED. 12. EXISTING SIGNAGE TO BE REMOVED AND RELOCATED. SEE SHEET C-111 FOR RELOCATION.
- 13. EXISTING CONCRETE POST TO BE REMOVED. 14. EXISTING TELEPHONE BOXES TO BE RELOCATED. COORDINATE WITH UTILITY COMPANY. 15. SEE ROADWAY IMPROVEMENT PLANS FOR ALL LIMITS AND SPECIFICATIONS OF
- DEMOLITION WITHIN THE RIGHT OF WAY. 16. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ANY EXISTING UTILITY SERVICES THAT MAY NOT HAVE BEEN COLLECTED FROM SURVEY OR RECORD INFORMATION. THE UTILITIES
- SERVICING THE PREVIOUS GAS STATION SHALL BE REMOVED AND/OR CAPPED PER THE REQUIREMENTS OF THE PROPER AUTHORITY/OWNER. CONTRACTOR SHALL COORDINATE ALL UTILITY TERMINATION PERMITS WITH PROPER AUTHORITY/OWNER.

DEMOLITION NOTE:

ALL EXISTING SITE AND SURROUNDING FEATURES SUCH AS UTILITIES, PAVEMENT, CURB, LANDSCAPING, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE, OR ARE REQUIRED TO BE MODIFIED OR REMOVED FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.

GENERAL NOTE:

A TREE SURVEY HAS NOT BEEN COMPLETED FOR THIS PROJECT. THE LIMITS OF TREE CLEARING SHOWN ON THE PLAN AND INDICATED BY KEYNOTE #4 ARE APPROXIMATE. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO WALK THE LIMITS OF THE SITE AND SHALL CLEAR AND REMOVE ALL EXISTING TREES WITHIN THE SITE BOUNDARY, REGARDLESS OF WHETHER THEY ARE WITHIN THE LIMITS PROVIDED BY KEYNOTE #4 OR NOT.

LEGEND (SEE SHEET C-001 FOR GENERAL LEGEND)

6 % % % % % % % % % % % EXISTING ASPHALT TO BE REMOVED EXISTING CONCRETE TO BE REMOVED EXISTING BUILDING/STRUCTURE TO BE REMOVED EXISTING GRAVEL TO BE REMOVED

EXISTING WETLAND (0.15 ACRES DISTURBED, 0.05 ACRES UNDISTURBED). SEE SHEET C-602 FOR DISTURBANCE DELINEATION

DENOTES LIMITS OF SAWCUT. SEE ROADWAY IMPROVEMENT PLANS FOR ALL LIMITS WITHIN THE DEMOLITION KEYNOTE

| \ <u>"</u> \ | DEMOETH OF THE PERSON OF THE P | | | |
|-----------------------------|--|--|--|--|
| E | XISTING STRUCTURES | | | |
| STRCT. ID STRUCTURE DETAILS | | | | |
| CB 62 | EXISTING CATCH BASIN TO BE REMOVED TC=942.09 INV 12" CPP (E)=937.29 INV 12" CPP (SW) =937.5 | | | |
| CB 63 | EXISTING CATCH BASIN TC=938.37 INV 12" CPP (NE) =935.65 - TO BE REMOVED INV 15" CPP (W) =935.69 | | | |
| CB 65 | EXISTING CATCH BASIN TO BE REMOVED TC=933.13 INV 12" CPP (NW)=930.28 | | | |
| CB 770 | EXISTING CATCH BASIN TO BE REMOVED TC=936.45 INV 12" VCP (NW) =934.21 | | | |
| CB 794 | EXISTING CATCH BASIN TO BE REMOVED TC=939.86 INV 12" CMP (SW)=937.13 | | | |
| SAN 725 | EXISTING SANITARY SEWER MANHOLE TC=946.49 INV 8" PVC (SW) =935.26 INV 8" PVC (NW)=934.71 INV 8" PVC (SE)=934.71 | | | |
| SAN 1971 | EXISTING SANITARY SEWER MANHOLE TC=946.76 - TO BE ADJUSTED INV 8" PVC STUB (SW) =935.78 INV 8" PVC (NW) =935.78 INV 8" PVC (SE) =935.78 | | | |
| SAN 2472 | EXISTING SANITARY SEWER MANHOLE TC=955.50 INV 8" PVC =948.65 | | | |
| | | | | |



SAN 2478 EXISTING SANITARY SEWER MANHOLE TC=938.31 INV 8" PVC =926.26

BASIS FOR BEARING:

OHIO STATE PLANE COORDINATE SYSTEM, NAD 83 (2011), OHIO SOUTH ZONE. ELEVATIONS ARE NAVD 88

CONTROL POINTS:

N 723243.65, E 2183355.39 ELEV. = 940.65 STA. 133+04.70, 7.48' LT.

IPF BOWMAN N 723281.76, E 2183246.51 ELEV. = 933.24

STA. 133+36.65, 13.19' RT. IPF CLAUS N 722644.17, E 2183292.78

ELEV = 959.25 STA. 138+16.28, 379.63' RT.

IPF CLAUS N 722699.99, E 2182811.12 ELEV. = 933.75 STA. 135+18.01, 761.92' RT.

BENCHMARKS:

TBM-1 IPF CLAUS ELEV. = 940.59

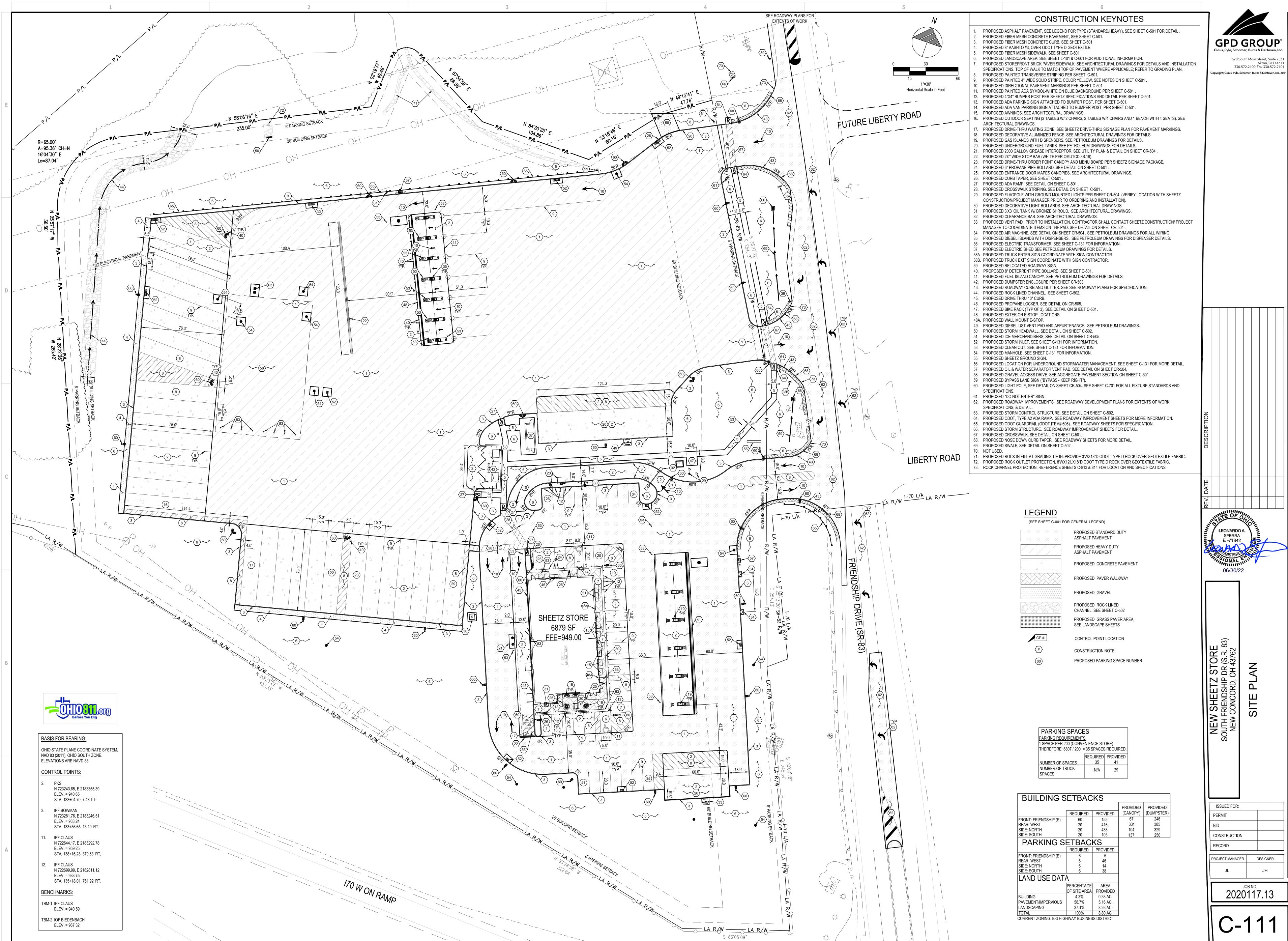
TBM-2 IOF BIEDENBACH ELEV. = 967.32

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Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101 opyright; Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 2021

ISSUED FOR:

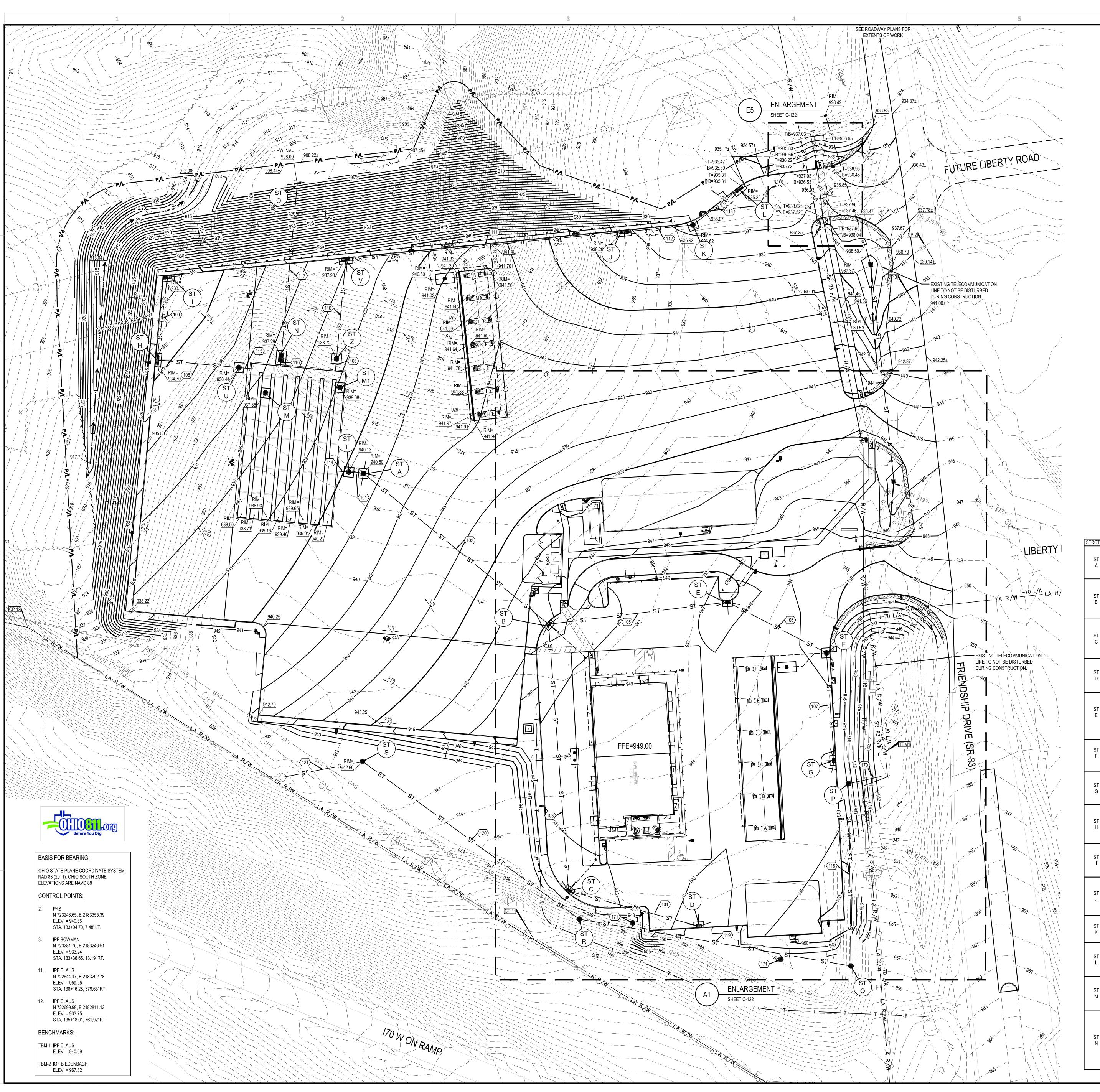
PERMIT CONSTRUCTION RECORD

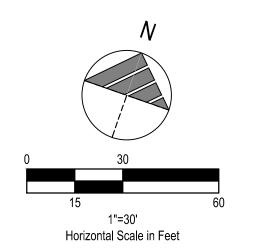
PROJECT MANAGER



520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

DESIGNER





GPD GROUP

520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

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<u>LEGEND</u>

EXISTING SPOT ELEVATION PROPOSED ELEVATION @ FINISHED GROUND

> TOP OF CURB ELEVATION BOTTOM OF CURB/FINISHED PAVEMENT ELEVATION

MATCH EXISTING ELEVATION PROPOSED DRAINAGE SLOPE & DIRECTION

| ISLAND | 1 | 2 | 3 | 4 | 5 |
|--------|----------|----------|----------|----------|--------|
| Н | T=942.38 | T=942.38 | T=942.38 | T=942.38 | 042.20 |
| " | B=942.22 | B=942.20 | B=941.98 | B=941.96 | 942.28 |
| ı | T=942.29 | T=942.29 | T=942.29 | T=942.29 | 042.40 |
| ļ | B=942.12 | B=942.11 | B=941.88 | B=941.87 | 942.19 |
| 1 | T=942.19 | T=942.19 | T=942.19 | T=942.19 | 942.09 |
| J | B=942.03 | B=942.01 | B=941.79 | B=941.77 | 942.09 |
| V | T=942.10 | T=942.10 | T=942.10 | T=942.10 | 941.99 |
| K | B=941.93 | B=941.92 | B=941.69 | B=941.68 | 941.99 |
| L | T=942.00 | T=942.00 | T=942.00 | T=942.00 | 941.82 |
| | B=941.84 | B=941.82 | B=941.60 | B=941.58 | 941.02 |
| N4 | T=941.91 | T=941.91 | T=941.91 | T=941.91 | 041.72 |
| M | B=941.74 | B=941.73 | B=941.50 | B=941.49 | 941.73 |
| N | T=941.81 | T=941.81 | T=941.81 | T=941.81 | 041.62 |
| IN | B=941.65 | B=941.63 | B=941.41 | B=941.39 | 941.63 |

| STRCT. ID | STRUCTURE DETAILS | | |
|-----------|--|----------|--|
| ST A | PROPOSED 3X3 CATCH BASIN (SEE SHEET C-502) RIM=940.50 4" FINGER DRAINS INV. (N,S,E,W) = 937.25 | ST O | PROPOSED 24" HEADWALL (SEE SHEET C-502) INV. 24" (NE)=909.15 |
| | INV. 18" (W&SE)=927.10 | ST P | PROPOSED 48" STORM MANHOLE SEE ODOT SCD# MH-1.2 (MANHOLE #3) |
| ST | PROPOSED 24"X36" CURB INLET (SEE SHEET C-502) RIM=946.35 | | RIM=946.60 INV. 15" (S&E)=940.27 |
| В | 4" FINGER DRAINS INV. (SW,SE,NE) = 944.85 INV. 18" (NW&E)=936.85 INV. 12" (S)=937.35 | ST Q | PROPOSED 48" STORM MANHOLE SEE ODOT SCD# MH-1.2 (MANHOLE #3) RIM=951.47 INV. 15" (W&N)=939.23 |
| ST C | PROPOSED 24"X36" CURB INLET (SEE SHEET C-502) RIM=947.00 4" FINGER DRAINS INV. (NW,NE,SE) = 945.50 INV. 6" (NE)=943.25 INV. 12" (N&E)=942.80 | ST R | PROPOSED 48" STORM MANHOLE SEE ODOT SCD# MH-1.2 (MANHOLE #3) RIM=951.55 INV. 15" (NW&E)=937.67 |
| ST D | PROPOSED 24"X36" CURB INLET (SEE SHEET C-502) RIM=947.05 4" FINGER DRAINS INV. (N,E,W) = 945.55 | ST S | PROPOSED 48" STORM MANHOLE SEE ODOT SCD# MH-1.2 (MANHOLE #3) RIM=942.60 INV. 15" (SW&SE)=936.15 |
| | PROPOSED 24"X36" CURB INLET (SEE SHEET C-502) RIM=947.00 4" FINGER DRAINS INV. (W,S,E) = 945.50 INV. 4" (NE)=941.39 INV. 12" (SE)=941.61 INV. 18" (W)=941.11 | ST T | PROPOSED CS-6 CASCADE SEPARATOR (SEE SHEET CR-135) RIM=940.13 INV. 18" (W&E)=926.50 |
| ST E | | ST U | PROPOSED CS-5 CASCADE SEPARATOR (SEE SHEET CR-135) RIM=936.44 INV. 24" (W&E)=926.50 |
| ST F | PROPOSED 48" STORM MANHOLE SEE ODOT SCD# MH-1.2 (MANHOLE #3) RIM=949.44 INV. 6" (W)=943.05 INV. 12" (NW,S)=942.52 | ST V | PROPOSED 24"X72" CURB INLET (SEE SHEET C-502) RIM=937.90 4" FINGER DRAINS INV. (SW,SE,NE) = 936.4 INV. 24" (S&E)=933.06 |
| ST G | PROPOSED 24"X36" CURB INLET (SEE SHEET C-502) RIM=947.85 4" FINGER DRAINS INV. (N,W,S) = 946.35 INV. 12" (N)=944.85 | ST M1 | PROPOSED 36" ACCESS RISER WITH EJIW V-6636 SOLID COVER ON FRAME. (SEE SHEET CR-134 FOR REFERENCE) RIM=937.35 CHAMBER BOTTOM=926.00 |
| ST H | PROPOSED 24"X72" CURB INLET (SEE SHEET C-502) RIM=934.70 4" FINGER DRAINS INV. (N,E,S) = 933.20 INV. 18" (N)=929.68 | | AN KEYNOTES (###) ORM |

101. PROPOSED 12 L.F. OF 18" (HDPE) STORM SEWER @ 5.00%. 102. PROPOSED 195 L.F. OF 18" (HDPE) STORM SEWER @ 5.00%. 103. PROPOSED 218 L.F. OF 12" (HDPE) STORM SEWER @ 2.50%. 111. PROPOSED 228 L.F. OF 24" (HDPE) STORM SEWER @ 1.00%.

113. PROPOSED 48 L.F. OF 18" (HDPE) STORM SEWER @ 1.21%. 114. PROPOSED 10 L.F. OF 18" (HDPE) STORM SEWER @ 5.00%. 115. PROPOSED 10 L.F. OF 24" (HDPE) STORM SEWER @ 5.00%. 116. PROPOSED 5 L.F. OF 24" (HDPE) STORM SEWER @ 0.00%. 117. PROPOSED 140 L.F. OF 24" (HDPE) STORM SEWER @ 12.0%. 118. PROPOSED 149 L.F. OF 15" (HDPE) STORM SEWER @ 0.70%. 119. PROPOSED 225 L.F. OF 15" (HDPE) STORM SEWER @ 0.70%. 120. PROPOSED 218 L.F. OF 15" (HDPE) STORM SEWER @ 0.70%. 121. PROPOSED 66 L.F. OF 15" (HDPE) STORM SEWER @ 0.70%. 166. PROPOSED 10 L.F. OF 24" (HDPE) STORM SEWER @ 2.51%. 170. PROPOSED 27 L.F. OF 15" (HDPE) STORM SEWER @ 2.7%

171. PROPOSED YARD DRAIN WITH DOMED GRATE. PROVIDE 12" (HDPE) STORM SEWER @ MIN. 2.0% TO WYE CONNECTION ON PROPOSED 15" STORM SEWER. SEE PROFILE FOR WYE INV. ELEVATION.

2020117.13

PROJECT MANAGER DESIGNER

PERMIT

RECORD

CONSTRUCTION

EJIW V-6636 SOLID COVER ON FRAME. (SEE SHEET CR-134 FOR REFERENCE) M RIM=937.35 CHAMBER BOTTOM=926.00 PROPOSED STORM CONTROL STRUCTURE (SEE SHEET C-502) RIM=937.29 INLET INV. 24" (S)=926.00 3' WEIR @ 933.00 2' WEIR @ 931.25 18" CIRCULAR PORT =928.50 2-5/8" WATER QUALITY ORIFICE=926.00

INV. 24" (E)=929.18

(SEE SHEET C-502)

INV. 18" (S)=930.55

(SEE SHEET C-502)

INV. 18" (E)=931.06 INV. 24" (W)=930.56

INV. 18" (W&NE)=931.62

(SEE SHEET C-502)

INV. 18" (SW)=932.20

OUTLET INV. 24" (N)=926.00

RIM=933.55

RIM=938.20

RIM=936.62

RIM=935.20

PROPOSED 24"X72" CURB INLET

PROPOSED 24"X72" CURB INLET

PROPOSED 48" STORM MANHOLE

PROPOSED 24"X72" CURB INLET

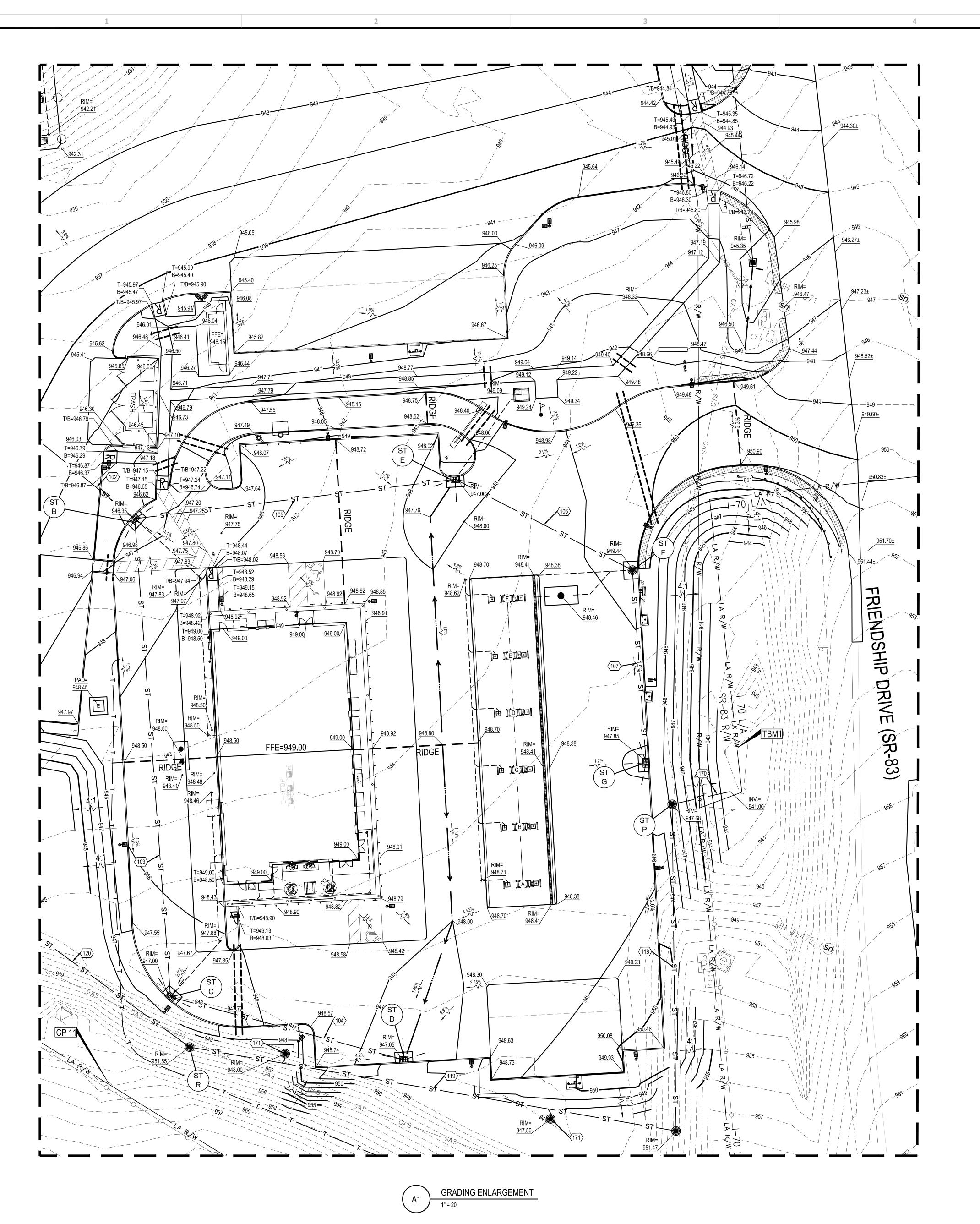
4" FINGER DRAINS INV. (S&E) = 932.05

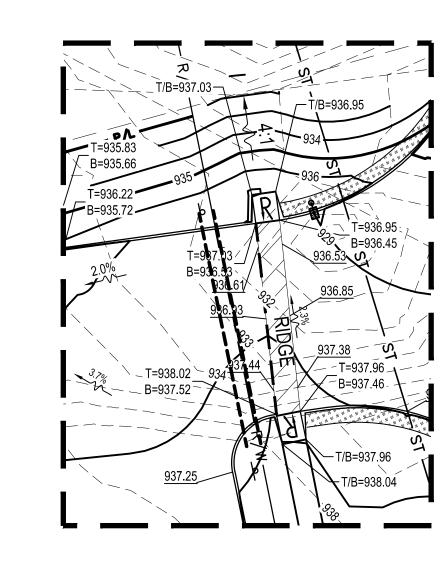
4" FINGER DRAINS INV. (W,S,E) = 936.70

SEE ODOT SCD# MH-1.2 (MANHOLE #3)

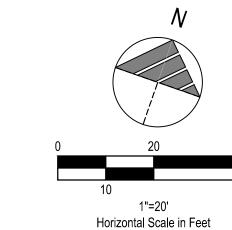
4" FINGER DRAINS INV. (SW,SE,NE) = 933.70

PROPOSED 36" ACCESS RISER WITH





GRADING ENLARGEMENT
1" = 20'



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<u>LEGEND</u>

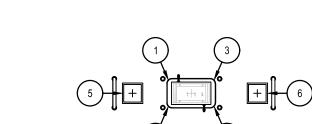
EXISTING SPOT ELEVATION

TOP OF CURB ELEVATION BOTTOM OF CURB/FINISHED PAVEMENT ELEVATION

PROPOSED ELEVATION @ FINISHED GROUND

PROPOSED DRAINAGE SLOPE & DIRECTION

MATCH EXISTING ELEVATION



| ISLAND | 1 | 2 | 3 | 4 | 5 | 6 |
|--------|----------|----------|----------|----------|--------|--------|
| ۸ | T=948.93 | T=948.93 | T=948.93 | T=948.93 | 948.61 | 049.46 |
| Α | B=948.56 | B=948.56 | B=948.51 | B=948.51 | 940.01 | 948.46 |
| Ъ | T=948.93 | T=948.93 | T=948.93 | T=948.93 | 049.64 | 049.46 |
| В | B=948.56 | B=948.56 | B=948.51 | B=948.51 | 948.61 | 948.46 |
| | T=948.93 | T=948.93 | T=948.93 | T=948.93 | 049.64 | 049.46 |
| С | B=948.56 | B=948.56 | B=948.51 | B=948.51 | 948.61 | 948.46 |
| D | T=948.93 | T=948.93 | T=948.93 | T=948.93 | 049.64 | 049.46 |
| | B=948.56 | B=948.56 | B=948.51 | B=948.51 | 948.61 | 948.46 |
| E | T=948.93 | T=948.93 | T=948.93 | T=948.93 | 948.61 | 049.46 |
| | B=948.56 | B=948.56 | B=948.51 | B=948.51 | 940.01 | 948.46 |
| Г | T=948.93 | T=948.93 | T=948.93 | T=948.93 | 049.61 | 049.46 |
| F | B=948.56 | B=948.56 | B=948.51 | B=948.51 | 948.61 | 948.46 |

PLAN KEYNOTES (###)

102. PROPOSED 195 L.F. OF 18" (HDPE) STORM SEWER @ 5.00%. 103. PROPOSED 218 L.F. OF 12" (HDPE) STORM SEWER @ 2.50%.

119. PROPOSED 225 L.F. OF 15" (HDPE) STORM SEWER @ 0.70%.
120. PROPOSED 218 L.F. OF 15" (HDPE) STORM SEWER @ 0.70%.
170. PROPOSED 27 L.F. OF 15" (HDPE) STORM SEWER @ 2.7%
171. PROPOSED YARD DRAIN WITH DOMED GRATE. PROVIDE 12" (HDPE) STORM SEWER @ 2.7%

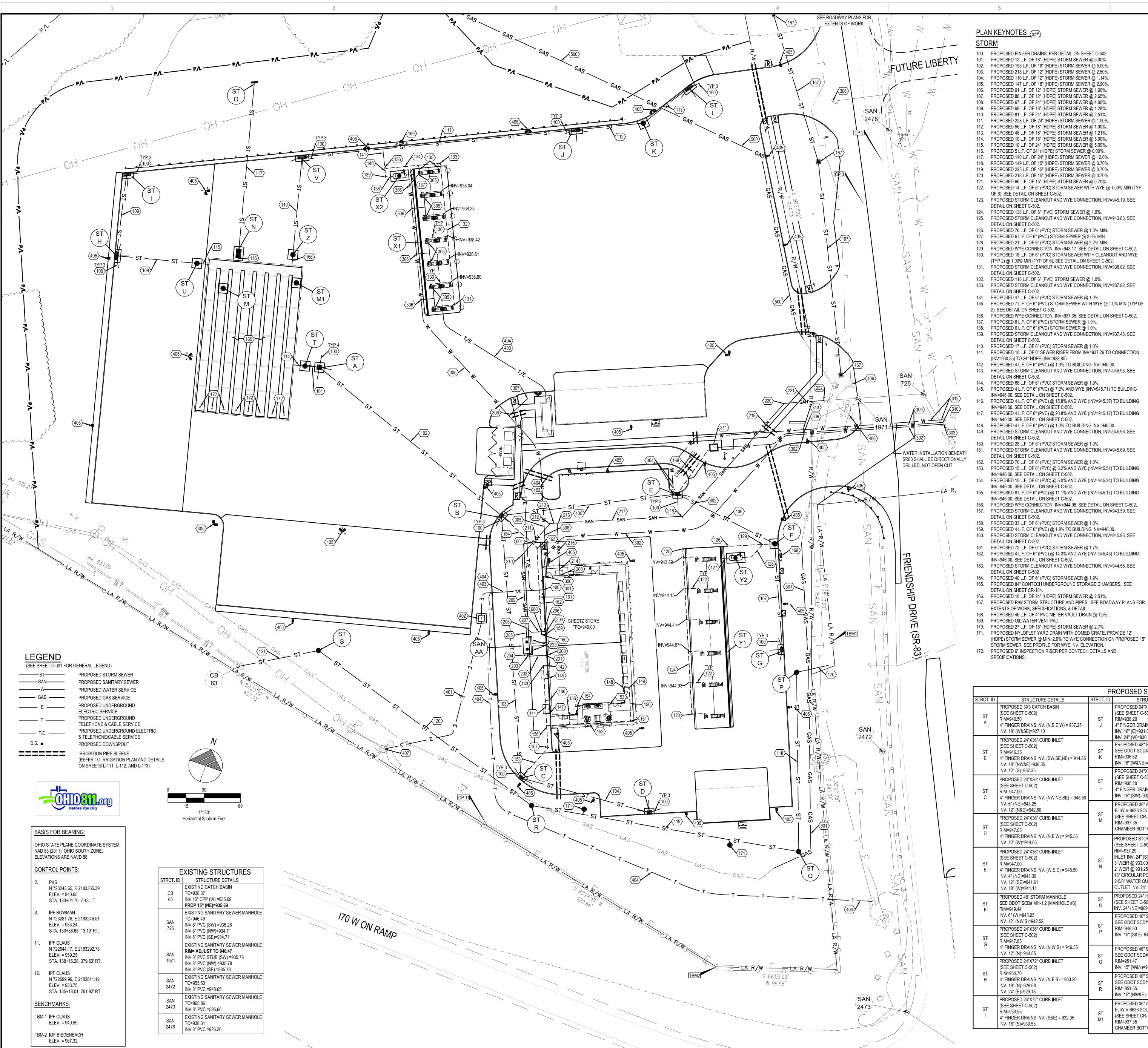
| SE | WER @ MIN. | RD DRAIN WITH DOMED GRATE. PROVIDE 12" (. 2.0% TO WYE CONNECTION ON PROPOSED 1! ROFILE FOR WYE INV. ELEVATION. | , |
|----|------------|---|---|
| | STRCT. ID | STRUCTURE DETAILS | |
| | | PROPOSED 24"X36" CURB INLET | |

| ٥L | SEVER. SEE PROFILE FOR WYE INV. ELEVATION. | | | | | |
|----|--|--|--|--|--|--|
| | STRCT. ID STRUCTURE DETAILS | | | | | |
| | ST B | PROPOSED 24"X36" CURB INLET (SEE SHEET C-502) RIM=946.35 4" FINGER DRAINS INV. (SW,SE,NE) = 944.85 INV. 18" (NW&E)=936.85 INV. 12" (S)=937.35 | | | | |
| | ST C | PROPOSED 24"X36" CURB INLET (SEE SHEET C-502) RIM=947.00 4" FINGER DRAINS INV. (NW,NE,SE) = 945.50 INV. 6" (NE)=943.25 INV. 12" (N&E)=942.80 | | | | |
| | ST D | PROPOSED 24"X36" CURB INLET (SEE SHEET C-502) RIM=947.05 4" FINGER DRAINS INV. (N,E,W) = 945.55 INV. 12" (W)=944.05 | | | | |
| | ST E | PROPOSED 24"X36" CURB INLET (SEE SHEET C-502) RIM=947.00 4" FINGER DRAINS INV. (W,S,E) = 945.50 INV. 4" (NE)=941.39 INV. 12" (SE)=941.61 INV. 18" (W)=941.11 | | | | |
| | ST F | PROPOSED 48" STORM MANHOLE SEE ODOT SCD# MH-1.2 (MANHOLE #3) RIM=949.44 INV. 6" (W)=943.05 INV. 12" (NW,S)=942.52 | | | | |
| | ST G | PROPOSED 24"X36" CURB INLET (SEE SHEET C-502) RIM=947.85 4" FINGER DRAINS INV. (N,W,S) = 946.35 INV. 12" (N)=944.85 | | | | |
| | ST P | PROPOSED 48" STORM MANHOLE SEE ODOT SCD# MH-1.2 (MANHOLE #3) RIM=946.60 INV. 15" (S&E)=940.27 | | | | |
| | ST R | PROPOSED 48" STORM MANHOLE SEE ODOT SCD# MH-1.2 (MANHOLE #3) RIM=951.55 INV. 15" (NW&E)=937.67 | | | | |

TBM-1 IPF CLAUS ELEV. = 940.59

TBM-2 IOF BIEDENBACH ELEV. = 967.32

BASIS FOR BEARING: OHIO STATE PLANE COORDINATE SYSTEM, NAD 83 (2011), OHIO SOUTH ZONE. ELEVATIONS ARE NAVD 88 CONTROL POINTS: PKS N 723243.65, E 2183355.39 ELEV. = 940.65 STA. 133+04.70, 7.48' LT. ISSUED FOR: IPF BOWMAN PERMIT N 723281.76, E 2183246.51 ELEV. = 933.24 STA. 133+36.65, 13.19' RT. CONSTRUCTION IPF CLAUS N 722644.17, E 2183292.78 RECORD ELEV. = 959.25 STA. 138+16.28, 379.63' RT. PROJECT MANAGER DESIGNER IPF CLAUS N 722699.99, E 2182811.12 ELEV. = 933.75 STA. 135+18.01, 761.92' RT. 2020117.13



PLAN KEYNOTES (###)

100. PROPOSED FINGER DRAINS, PER DETAIL ON SHEET C-502. 101. PROPOSED 12 L.F. OF 18" (HDPE) STORM SEWER @ 5.00%. 102. PROPOSED 195 L.F. OF 18" (HDPE) STORM SEWER @ 5.00%. 103. PROPOSED 218 L.F. OF 12" (HDPE) STORM SEWER @ 2.50%.

104. PROPOSED 110 L.F. OF 12" (HDPE) STORM SEWER @ 1.14%. 105. PROPOSED 147 L.F. OF 18" (HDPE) STORM SEWER @ 2.90%. 106. PROPOSED 91 L.F. OF 12" (HDPE) STORM SEWER @ 1.00%. 107. PROPOSED 88 L.F. OF 12" (HDPE) STORM SEWER @ 2.65%. 108. PROPOSED 67 L.F. OF 24" (HDPE) STORM SEWER @ 4.00%. 109. PROPOSED 68 L.F. OF 18" (HDPE) STORM SEWER @ 1.28%. 110. PROPOSED 81 L.F. OF 24" (HDPE) STORM SEWER @ 2.51%.

111. PROPOSED 228 L.F. OF 24" (HDPE) STORM SEWER @ 1.00%. 112. PROPOSED 56 L.F. OF 18" (HDPE) STORM SEWER @ 1.00%. 113. PROPOSED 48 L.F. OF 18" (HDPE) STORM SEWER @ 1.21%. 114. PROPOSED 10 L.F. OF 18" (HDPE) STORM SEWER @ 5.00%. 115. PROPOSED 10 L.F. OF 24" (HDPE) STORM SEWER @ 5.00%. 116. PROPOSED 5 L.F. OF 24" (HDPE) STORM SEWER @ 0.00%. 117. PROPOSED 140 L.F. OF 24" (HDPE) STORM SEWER @ 12.0%. 118. PROPOSED 149 L.F. OF 15" (HDPE) STORM SEWER @ 0.70%. 119. PROPOSED 225 L.F. OF 15" (HDPE) STORM SEWER @ 0.70%.

121. PROPOSED 66 L.F. OF 15" (HDPE) STORM SEWER @ 0.70%. 122. PROPOSED 14 L.F. OF 6" (PVC) STORM SEWER WITH WYE @ 1.00% MIN (TYP OF 6). SEE DETAIL ON SHEET C-502. 123. PROPOSED STORM CLEANOUT AND WYE CONNECTION, INV=945.19, SEE

124. PROPOSED 138 L.F. OF 6" (PVC) STORM SEWER @ 1.0%. 125. PROPOSED STORM CLEANOUT AND WYE CONNECTION, INV=943.83, SEE DETAIL ON SHEET C-502. 126. PROPOSED 76 L.F. OF 6" (PVC) STORM SEWER @ 1.0% MIN.

127. PROPOSED 6 L.F. OF 6" (PVC) STORM SEWER @ 2.0% MIN. 128. PROPOSED 21 L.F. OF 6" (PVC) STORM SEWER @ 2.2% MIN. 129. PROPOSED WYE CONNECTION, INV=943.17, SEE DETAIL ON SHEET C-502. 130. PROPOSED 18 L.F. OF 6" (PVC) STORM SEWER WITH CLEANOUT AND WYE (TYP 2) @ 1.00% MIN (TYP OF 6). SEE DETAIL ON SHEET C-502. 131. PROPOSED STORM CLEANOUT AND WYE CONNECTION, INV=938.82, SEE

132. PROPOSED 118 L.F. OF 6" (PVC) STORM SEWER @ 1.0%. 133. PROPOSED STORM CLEANOUT AND WYE CONNECTION, INV=937.82, SEE DETAIL ON SHEET C-502. 134. PROPOSED 47 L.F. OF 6" (PVC) STORM SEWER @ 1.0%.

2). SEE DETAIL ON SHEET C-502. 136. PROPOSED WYE CONNECTION, INV=937.35, SEE DETAIL ON SHEET C-502. 137. PROPOSED 6 L.F. OF 6" (PVC) STORM SEWER @ 1.0%. 138. PROPOSED 6 L.F. OF 6" (PVC) STORM SEWER @ 1.0%.

139. PROPOSED STORM CLEANOUT AND WYE CONNECTION, INV=937.43, SEE DETAIL ON SHEET C-502. 140. PROPOSED 17 L.F. OF 6" (PVC) STORM SEWER @ 1.0%. 141. PROPOSED 10 L.F. OF 6" SEWER RISER FROM INV=937.26 TO CONNECTION

(INV=930.35) TO 24" HDPE (INV=928.85). 142. PROPOSED 4 L.F. OF 6" (PVC) @ 1.9% TO BUILDING INV=946.00. 143. PROPOSED STORM CLEANOUT AND WYE CONNECTION, INV=945.93, SEE

144. PROPOSED 68 L.F. OF 6" (PVC) STORM SEWER @ 1.9%. 145. PROPOSED 4 L.F. OF 6" (PVC) @ 7.3% AND WYE (INV=945.71) TO BUILDING INV=946.00. SEE DETAIL ON SHEET C-502. PROPOSED 4 L.F. OF 6" (PVC) @ 15.8% AND WYE (INV=945.37) TO BUILDING

PROPOSED 4 L.F. OF 6" (PVC) @ 20.8% AND WYE (INV=945.17) TO BUILDING INV=946.00. SEE DETAIL ON SHEET C-502. 148. PROPOSED 4 L.F. OF 6" (PVC) @ 1.0% TO BUILDING INV=946.00. 149. PROPOSED STORM CLEANOUT AND WYE CONNECTION, INV=945.96, SEE

DETAIL ON SHEET C-502. 150. PROPOSED 28 L.F. OF 6" (PVC) STORM SEWER @ 1.0%. 151. PROPOSED STORM CLEANOUT AND WYE CONNECTION, INV=945.69, SEE

DETAIL ON SHEET C-502. PROPOSED 70 L.F. OF 6" (PVC) STORM SEWER @ 1.0%. PROPOSED 15 L.F. OF 6" (PVC) @ 3.2% AND WYE (INV=945.51) TO BUILDING INV=946.00. SEE DETAIL ON SHEET C-502.

154. PROPOSED 15 L.F. OF 6" (PVC) @ 5.0% AND WYE (INV=945.24) TO BUILDING INV=946.00. SEE DETAIL ON SHEET C-502. PROPOSED 8 L.F. OF 6" (PVC) @ 11.1% AND WYE (INV=945.17) TO BUILDING INV=946.00. SEE DETAIL ON SHEET C-502.

157. PROPOSED STORM CLEANOUT AND WYE CONNECTION, INV=943.59, SEE DETAIL ON SHEET C-502. 158. PROPOSED 33 L.F. OF 6" (PVC) STORM SEWER @ 1.0%. 159. PROPOSED 4 L.F. OF 6" (PVC) @ 1.9% TO BUILDING INV=946.00. 160. PROPOSED STORM CLEANOUT AND WYE CONNECTION, INV=945.93, SEE

DETAIL ON SHEET C-502. 161. PROPOSED 72 L.F. OF 6" (PVC) STORM SEWER @ 1.7%. 162. PROPOSED 4 L.F. OF 6" (PVC) @ 14.3% AND WYE (INV=945.43) TO BUILDING INV=946.00. SEE DETAIL ON SHEET C-502. 163. PROPOSED STORM CLEANOUT AND WYE CONNECTION, INV=944.58, SEE

164. PROPOSED 40 L.F. OF 6" (PVC) STORM SEWER @ 1.9%. 165. PROPOSED 84" CONTECH UNDERGROUND STORAGE CHAMBERS. SEE DETAIL ON SHEET CR-134.

166. PROPOSED 10 L.F. OF 24" (HDPE) STORM SEWER @ 2.51%. 167. PROPOSED R/W STORM STRUCTURE AND PIPES. SEE ROADWAY PLANS FOR EXTENTS OF WORK, SPECIFICATIONS, & DETAIL. 168. PROPOSED 46 L.F. OF 4" PVC METER VAULT DRAIN @ 1.0%.

169. PROPOSED OIL/WATER VENT PAD. 170. PROPOSED 27 L.F. OF 15" (HDPE) STORM SEWER @ 2.7% 171. PROPOSED NYLOPLST YARD DRAIN WITH DOMED GRATE. PROVIDE 12" (HDPE) STORM SEWER @ MIN. 2.0% TO WYE CONNECTION ON PROPOSED 15"

STORM SEWER. SEE PROFILE FOR WYE INV. ELEVATION. 172. PROPOSED 6" INSPECTION RISER PER CONTECH DETAILS AND SPECIFICATIONS

200. PROPOSED SANITARY CONNECTION. INV=944.83 (TYP 3).

201. PROPOSED SANITARY CLEAN OUT, INV=944.79. SEE SHEET C-502. 202. PROPOSED 17 L.F. OF 4" (PVC) SANITARY SEWER @ 2.0%. 203. PROPOSED SANITARY CLEAN OUT & WYE, INV=944.50. SEE SHEET C-502. 204. PROPOSED 2 L.F. OF 4" (PVC) SANITARY SEWER @ 2.0%.

205. PROPOSED 8 L.F. OF 4" (PVC) SANITARY SEWER @ 2.0%. 206. PROPOSED SANITARY CLEAN OUT, INV=944.74. SEE SHEET C-502. 207. PROPOSED 18 L.F. OF 4" (PVC) SANITARY SEWER @ 4.4%. 208. PROPOSED SANITARY WYE AND 4" TO 6" REDUCER, 4" INV=944,03, 6" INV=943,95.

SEE DETAIL ON SHEET C-502. 209. PROPOSED 61 L.F. OF 6" (PVC) SANITARY SEWER @ 2.0%. 210. PROPOSED SANITARY CLEAN OUT & WYE, INV=942.74. SEE SHEET C-502. 211. PROPOSED 36 L.F. OF 6" (PVC) SANITARY SEWER @ 2.0%.

213. PROPOSED 8 L.F. OF 6" (PVC) SANITARY SEWER @ 2.0%. 214. PROPOSED SANITARY CLEAN OUT, INV=944.48. SEE SHEET C-502. 215. PROPOSED 44 L.F. OF 6" (PVC) SANITARY SEWER @ 6.7%. 216. PROPOSED SANITARY WYE, INV=941.91. SEE DETAIL ON SHEET C-502. 217. PROPOSED 104 L.F. OF 6" (PVC) SANITARY SEWER @ 2.0%.

212. PROPOSED SANITARY CLEAN OUT & WYE, INV=942.04. SEE SHEET C-502.

220. PROPOSED SANITARY CLEAN OUT & WYE, INV=937.33. SEE SHEET C-502. 221. PROPOSED 34 L.F. OF 6" (PVC) SANITARY SEWER @ 2.7%. 222. PROPOSED FERNCO COUPLING, CONNECTION PROPOSED 6" PVC TO EXISTING

218. PROPOSED SANITARY CLEAN OUT & WYE, INV=939.84. SEE SHEET C-502.

8" PVC, INV ~ 936.35± 223. PROPOSED 26 L.F. (TOTAL) OF 3" (PVC) VENT PIPE.

219. PROPOSED 127 L.F. OF 6" (PVC) SANITARY SEWER @ 2.0%.

300. PROPOSED WATER CONNECTION. COORDINATE WITH PLUMBING PLANS. 301. PROPOSED 2" WATER METER AND BACKFLOW PREVENTOR INSIDE BUILDING PER VILLAGE OF NEW CONCORD STANDARDS AND SPECIFICATIONS. BACKFLOW PREVENTOR SHALL BE LOCATED AFTER THE METER. PROVIDE

DEDUCT METER FOR 2" SERVICE LINE TO DIESEL AREA HYDRANTS. 302. PROPOSED 386 L.F. 2" (PEX) WATER SERVICE LINE WITH CURB STOP AND VALVE AT PROPERTY LINE, PER VILLAGE OF NEW CONCORD STANDARDS AND SPECIFICATIONS.

303. PROPOSED 2" WATER SERVICE TAP PER VILLAGE OF NEW CONCORD STANDARDS AND SPECIFICATIONS. (BY VILLAGE)

304. PROPOSED FIRE HYDRANT AND VALVE PER VILLAGE OF NEW CONCORD STANDARDS AND SPECIFICATIONS.

305. PROPOSED 372 L.F. 2" (PEX) WATER SERVICE LINE 306. PROPOSED 2" WATER VALVE.

307. PROPOSED 2" YARD HYDRANT. 308. ADJUST WATER VALVE RIM TO PROPOSED GRADE AS NECESSARY. NEW RIM SHALL BE TRAFFIC RATED 309. PROPOSED 190 L.F. 1" (PEX) IRRIGATION SERVICE LINE WITH CURB STOP

AND VALVE, PER VILLAGE OF NEW CONCORD STANDARDS AND SPECIFICATIONS, AT PROPERTY LINE. 310. PROPOSED 1" IRRIGATION SERVICE TAP PER VILLAGE OF NEW CONCORD

STANDARDS AND SPECIFICATIONS. (BY VILLAGE) 311. PROPOSED UNDERGROUND IRRIGATION METER PIT WITH 1" METER AND BACKFLOW PREVENTER. NOTE, RPZ BACKFLOW PREVENTERS ARE NOT ACCEPTED BY THE WATER AUTHORITY FOR UNDERGROUND APPLICATIONS. CONTRACTOR SHALL PROVIDE SHOP DRAWING FOR REVIEW OF PROPOSED VAULT, SUITABLE TO ACCOMODATE IRRIGATION SERVICE, BACKFLOW, AND

312. PROPOSED 12"X6" HYDRANT LEAD SERVICE TAP AND 255 L.F. OF 6" PVC C900 WATER LINE. (BY SHEETZ CONTRACTOR) 313. PROPOSED 6" WATER VALVE.

ELECTRIC AND COMMUNICATIONS

400. PROPOSED ELECTRIC METER PER ELECTRIC COMPANY SPECIFICATIONS. SEE BUILDING DRAWINGS FOR EXACT LOCATION. ELECTRIC SERVICE LINE TO BE COORDINATED WITH THE ELECTRIC COMPANY

401. PROPOSED PRIMARY ELECTRIC SERVICE CONNECTION TO BE COORDINATED WITH THE UTILITY COMPANY.

402. PROPOSED ELECTRICAL TRANSFORMER PER ELECTRICAL COMPANY SPECIFICATIONS. G.C. TO VERIFY EXACT LOCATION AND SIZE WITH

UTILITY ENGINEER. 403. PROPOSED SECONDARY ELECTRIC SERVICE CONNECTION. (BY SHEETZ) 404. PROPOSED TELECOMMUNICATIONS SERVICE LINE. CONTRACTOR TO

COORDINATE TELE/COMMUNICATIONS SERVICE WITH SHEETZ IT DEPARTMENT AND SHEETZ CONSTRUCTION MANAGER. 405. PROPOSED LIGHT POLE, SEE SHEET CR-504 & C-701 FOR

SPECIFICATIONS. POLES TO BE PAINTED BLACK. 406. ADJUST TELECOMM PEDESTRAL TO PROPOSED GRADE AS NECESSARY.

407. PROPOSED PRIMARY ELECTRIC SERVICE DROP. COORDINATE WITH SERVICE PROVIDER.

500. PROPOSED 482 L.F. OF EXISTING 1" GAS LINE TO BE REMOVED, BY

501. PROPOSED 290 L.F. OF EXISTING 1" GAS LINE TO BE REMOVED, BY

OTHERS. **UTILITY CROSSINGS**

GENERAL CROSSING NOTES: CONTRACTOR SHALL COORDINATE ALL CROSSINGS WITH THE UTILITY COMPANY. PRESSURIZED AND SECONDARY UTILITIES SHALL DEFLECT TO MAINTAIN 18" CLEAR AT SANITARY OR STORM SEWER CROSSINGS.

600. PROPOSED UTILITY CROSSING: 6" STORM SEWER INV=945.89; 6" SANITARY

601. PROPOSED UTILITY CROSSING: 6" STORM SEWER INV=944.49; 6" SANITARY

602. PROPOSED UTILITY CROSSING: 12" STORM SEWER INV=941.78; 6" SANITARY INV=939.62.

GENERAL UTILITY NOTE

SEE SHEET C-501 FOR DIVISION OF CONSTRUCTION RESPONSIBILITIES BETWEEN SHEETZ SITE CONTRACTOR AND UTILITY PROVIDER.

| STRCT. ID | STRUCTURE DETAILS | STRCT. ID | STRUCTURE DETAILS | STRCT. ID | STRUCTURE DETAILS |
|-----------|---|-----------|---|------------|---|
| ST A | PROPOSED 3X3 CATCH BASIN (SEE SHEET C-502) RIM=940.50 4" FINGER DRAINS INV. (N,S,E,W) = 937.25 INV. 18" (W&SE)=927.10 | ST J | PROPOSED 24"X72" CURB INLET (SEE SHEET C-502) RIM=938.20 4" FINGER DRAINS INV. (W,S,E) = 936.70 INV. 18" (E)=931.06 | ST S | PROPOSED 48" STORM MANHOLE SEE ODOT SCD# MH-1.2 (MANHOLE #3) RIM=942.60 INV. 15" (SW&SE)=936.15 PROPOSED CS-6 CASCADE SEPARATOR |
| ST B | PROPOSED 24"X36" CURB INLET (SEE SHEET C-502) RIM=946.35 4" FINGER DRAINS INV. (SW,SE,NE) = 944.85 | ST K | INV. 24" (W)=930.56 PROPOSED 48" STORM MANHOLE SEE ODOT SCD# MH-1.2 (MANHOLE #3) RIM=936.62 | ST T | (SEE SHEET CR-135) RIM=940.13 INV. 18" (W&E)=926.50 PROPOSED CS-5 CASCADE SEPARATOR |
| | INV. 18" (NW&E)=936.85 INV. 12" (S)=937.35 PROPOSED 24"X36" CURB INLET | ST | INV. 18" (W&NE)=931.62 PROPOSED 24"X72" CURB INLET (SEE SHEET C-502) | ST U | (SEE SHEET CR-135) RIM=936.44 INV. 24" (W&E)=926.50 |
| ST C | (SEE SHEET C-502) RIM=947.00 4" FINGER DRAINS INV. (NW,NE,SE) = 945.50 INV. 6" (NE)=943.25 | , L | RIM=935.20 4" FINGER DRAINS INV. (SW,SE,NE) = 933.70 INV. 18" (SW)=932.20 PROPOSED 36" ACCESS RISER WITH | ST V | PROPOSED 24"X72" CURB INLET (SEE SHEET C-502) RIM=937.90 4" FINGER DRAINS INV. (SW,SE,NE) = 936.40 |
| | INV. 12" (N&E)=942.80 PROPOSED 24"X36" CURB INLET (SEE SHEET C-502) | ST M | EJIW V-6636 SOLID COVER ON FRAME. (SEE SHEET CR-134 FOR REFERENCE) RIM=937.35 | | INV. 24" (S&E)=933.06 PROPOSED ZURN Z886 PERMA TRENCH DRAIN (SEE SHEET C-502) |
| ST D | RIM=947.05 4" FINGER DRAINS INV. (N,E,W) = 945.55 INV. 12" (W)=944.05 | | CHAMBER BOTTOM=926.00 PROPOSED STORM CONTROL STRUCTURE (SEE SHEET C-502) | ST - X1 | RIM=941.94 (S) TO 941.33 (N) INV= 941.65 (S) TO =940.73 (N) DROP INV. 6" (W)=937.80 |
| ST E | PROPOSED 24"X36" CURB INLET (SEE SHEET C-502) RIM=947.00 4" FINGER DRAINS INV. (W,S,E) = 945.50 INV. 4" (NE)=941.39 INV. 12" (SE)=941.61 | ST N | RIM=937.29 INLET INV. 24" (S)=926.00 3' WEIR @ 933.00 2' WEIR @ 931.25 18" CIRCULAR PORT =928.50 2-5/8" WATER QUALITY ORIFICE=926.00 | ST X2 | PROPOSED OIL & WATER SEPARATOR COORDINATE WITH SHEETZ RIM=941.02 INV. 6" (E) =937.75 INV. 6" (W)=937.50 |
| ST F | INV. 18" (W)=941.11 PROPOSED 48" STORM MANHOLE SEE ODOT SCD# MH-1.2 (MANHOLE #3) RIM=949.44 | ST O | OUTLET INV. 24" (N)=926.00 PROPOSED 24" HEADWALL (SEE SHEET C-502) INV. 24" (NE)=909.15 | ST Y1 | PROPOSED ZURN Z886 PERMA TRENCH DRAIN (SEE SHEET C-502) RIM=948.41 (S) TO 948.41 (N) INV= 948.12 (S) TO =946.80 DROP INV. 6" (E)=944.00 |
| ST G | INV. 6" (W)=943.05 INV. 12" (NW,S)=942.52 PROPOSED 24"X36" CURB INLET (SEE SHEET C-502) RIM=947.85 | ST P | PROPOSED 48" STORM MANHOLE SEE ODOT SCD# MH-1.2 (MANHOLE #3) RIM=946.60 INV. 15" (S&E)=940.27 | ST Y2 | PROPOSED OIL & WATER SEPARATOR COORDINATE WITH SHEETZ RIM=948.62 INV. 6" (W) =943.88 INV. 6" (E)=943.63 |
| | 4" FINGER DRAINS INV. (N,W,S) = 946.35 INV. 12" (N)=944.85 PROPOSED 24"X72" CURB INLET (SEE SHEET C-502) | ST Q | PROPOSED 48" STORM MANHOLE SEE ODOT SCD# MH-1.2 (MANHOLE #3) RIM=951.47 INV. 15" (W&N)=939.23 | ST Z | PROPOSED CS-6 CASCADE SEPARATOR (SEE SHEET CR-135) RIM=938.72 |
| ST H | RIM=934.70 4" FINGER DRAINS INV. (N,E,S) = 933.20 INV. 18" (N)=929.68 INV. 24" (E)=929.18 | ST R | PROPOSED 48" STORM MANHOLE SEE ODOT SCD# MH-1.2 (MANHOLE #3) RIM=951.55 INV. 15" (NW&E)=937.67 | SAN AA | INV. 24" (N&S)=926.25 PROPOSED 2000 GAL GREASE INTERCEPTOR (SEE SHEET CR-504) RIM=948.50 |
| ST I | PROPOSED 24"X72" CURB INLET (SEE SHEET C-502) RIM=933.55 4" FINGER DRAINS INV. (S&E) = 932.05 INV. 18" (S)=930.55 | ST M1 | PROPOSED 36" ACCESS RISER WITH EJIW V-6636 SOLID COVER ON FRAME. (SEE SHEET CR-134 FOR REFERENCE) RIM=937.35 CHAMBER BOTTOM=926.00 | | INV. 4" (W)=944.45 INV. 4" (E)=944.20 |

PROPOSED STRUCTURES

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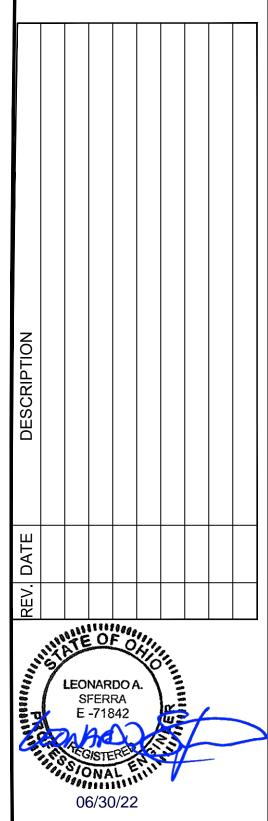
Akron, OH 4431

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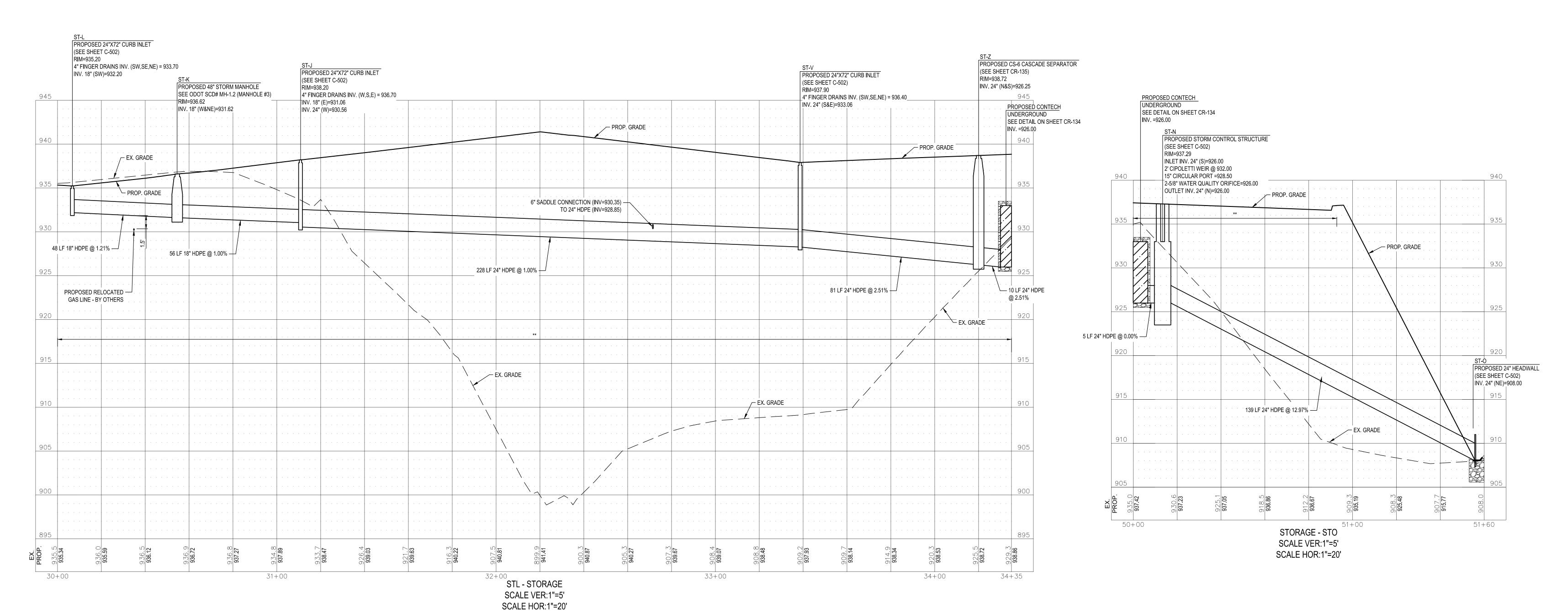
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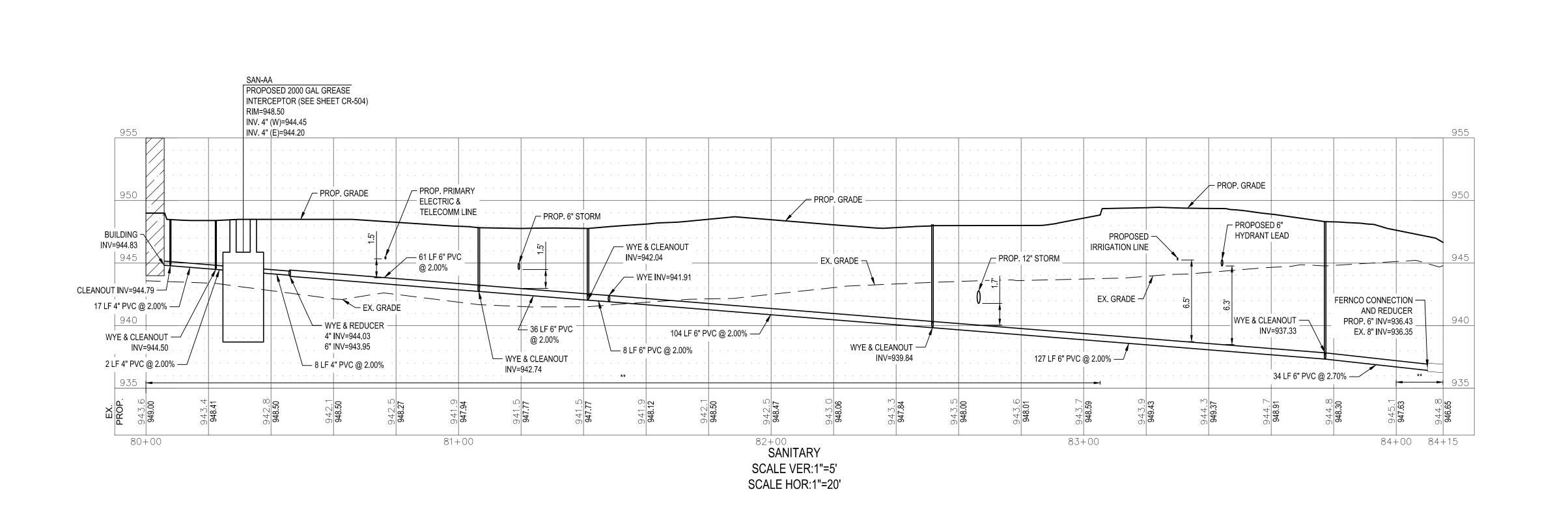
** LOCATION OF GRANULAR BACKFILL TO BE USED IN LOCATIONS INDICATED ON PROFILE. ST-C PROPOSED 24"X36" CURB INLET ST-D PROPOSED 24"X36" CURB INLET PROPOSED 24"X36" CURB INLET (SEE SHEET C-502) (SEE SHEET C-502) RIM=947.00 RIM=947.05 (SEE SHEET C-502) 4" FINGER DRAINS INV. (NW,NE,SE) = 945.50 4" FINGER DRAINS INV. (N,E,W) = 945.55 RIM=946.35 INV. 6" (NE)=943.25 PROP GRADE INV. 12" (W)=944.05 4" FINGER DRAINS INV. (SW,SE,NE) = 944.85 INV. 12" (N&E)=942.80 INV. 18" (NW&E)=936.85 PROPOSED 3X3 CATCH BASIN INV. 12" (S)=937.35 (SEE SHEET C-502) / EX. GRADE RIM=940.50 4" FINGER DRAINS INV. (N,S,E,W) = 937.25 PROP. GRADE INV. 18" (W&SE)=927.10 PROPOSED ELECTRIC AND TELECOMMUNICATION SERVICE PROPOSED CS-6 CASCADE SEPARATOR (SEE SHEET C-135) RIM=940.13 – EX. GRADE 110 LF 12" HDPE @ 1.14% — INV. 18" (W&E)=926.50 PROPOSED CONTECH 218 LF 12" HDPE @ 2.50% — UNDERGROUND SEE DETAIL ON SHEET CR-134 INV. =926.00 10 LF 18" HDPE @ 5.00% — 195 LF 18" HDPE @ 5.00% — 12 LF 18" HDPE @ 5.00% + 11 + 0012+00 14+00 STD - STORAGE SCALE VER:1"=5' SCALE HOR:1"=20' ST-U PROPOSED CS-5 CASCADE SEPARATOR (SEE SHEET CR-135) RIM=936.44 PROPOSED 24"X72" CURB INLET PROPOSED 24"X72" CURB INLET INV. 24" (W&E)=926.50 (SEE SHEET C-502) (SEE SHEET C-502) _RIM=934.70 RIM=933.55 PROPOSED CONTECH UNDERGROUND 4" FINGER DRAINS INV. (N,E,S) = 933.20 4" FINGER DRAINS INV. (S&E) = 932.05 INV. 18" (N)=929.68 INV. 18" (S)=930.55 SEE DETAIL ON SHEET CR-134 INV. =926.00 ST-F
PROPOSED 48" STORM MANHOLE
SEE ODOT SCD# MH-1.2 (MANHOLE #3) INV. 24" (E)=929.18 ST-B PROPOSED 24"X36" CURB INLET (SEE SHEET C-502) ST-E
PROPOSED 24"X36" CURB INLET
(SEE SHEET C-502) PROP. GRADE RIM=949.44 PROPOSED 24"X36" CURB INLET RIM=946.35 RIM=947.00 INV. 6" (W)=943.05 4" FINGER DRAINS INV. (SW,SE,NE) = 944.85 INV. 18" (NW&E)=936.85 (SEE SHEET C-502) 4" FINGER DRAINS INV. (W,S,E) = 945.50 INV. 12" (NW,S)=942.52 RIM=947.85 INV. 4" (NE)=941.39 4" FINGER DRAINS INV. (N,W,S) = 946.35 INV. 12" (S)=937.35 INV. 12" (SÉ)=941.61 INV. 18" (W)=941.11 INV. 12" (N)=944.85 / PROP GRADE /- PROP GRADE 68 LF 18" HDPE @ 1.28% — EX. GRADE PROPOSED WATER
SERVICE LINE PROPOSED ELECTRIC AND \ TELECOMMUNICATION SERVICE 67 LF 24" HDPE @ 4.00% — 10 LF 24" HDPE @ 5.00% — 88 LF 12" HDPE @ 2.65% — ⁻ 91 LF 12" HDPE @ 1.00% --- PROPOSED 6" — 147 LF 18" HDPE @ 2.90% — SANITARY LINE 21 + 0023 + 35STG - STB SCALE VER:1"=5' SCALE HOR:1"=20' 41 + 0041 + 55STI - STORAGE SCALE VER:1"=5' SCALE HOR:1"=20' ST-R
PROPOSED 48" STORM MANHOLE
SEE ODOT SCD# MH-1.2 (MANHOLE #3) ST-Q
PROPOSED 48" STORM MANHOLE
SEE ODOT SCD# MH-1.2 (MANHOLE #3) RIM=951.55 INV. 15" (NW&E)=937.67 PROPOSED 48" STORM MANHOLE RIM=951.47 SEE ODOT SCD# MH-1.2 (MANHOLE #3) INV. 15" (W&N)=939.23 RIM=946.60 INV. 15" (S&E)=940.27 CB-63
EXISTING CATCH BASIN TC=938.37 PROP. GRADE = – PROP. GRADE 🔫 ST-S
PROPOSED 48" STORM MANHOLE
SEE ODOT SCD# MH-1.2 (MANHOLE #3) INV 15" CPP (W) =935.69 PROP 15" (NE)=935.69 27 LF 15" HDPE @ 2.70% -RIM=942.60 EX GRADE EX. GRADE INV. 15" (SW&SE)=936.15 - PROPOSED TELECOMM EX GRADE EXISTING GAS LINE -EXISTING GAS LINE - PROPOSED PRIMARY ELECTRIC LINE L EXISTING GAS LINE 😓 ____ 218 LF 15" HDPE @ 0.70% 66 LF 15" HDPE @ 0.70% ISSUED FOR: EXISTING ELECTRIC LINE (APPROX. DEPTH) PERMIT 149 LF 15" HDPE @ 0.70% — INV. 12"X15" WYE=938.94 — EXISTING TELECOM LINE 225 LF 15" HDPE @ 0.70% — (APPROX. DEPTH) INV. 12"X15" WYE=938.08 — CONSTRUCTION RECORD 66+93.19 PROJECT MANAGER DESIGNER STP - CB63 SCALE VER:1"=5' SCALE HOR:1"=20'

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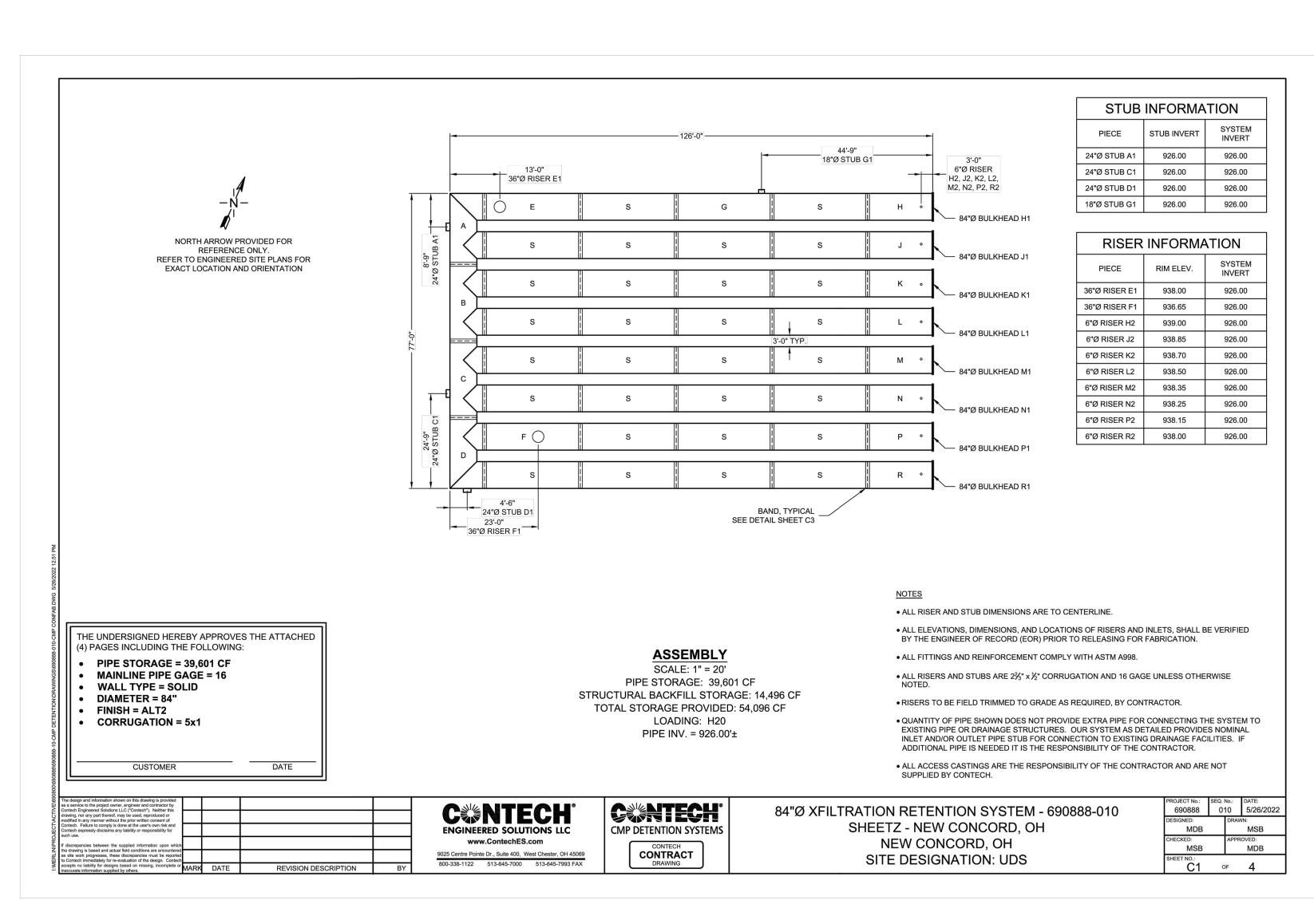
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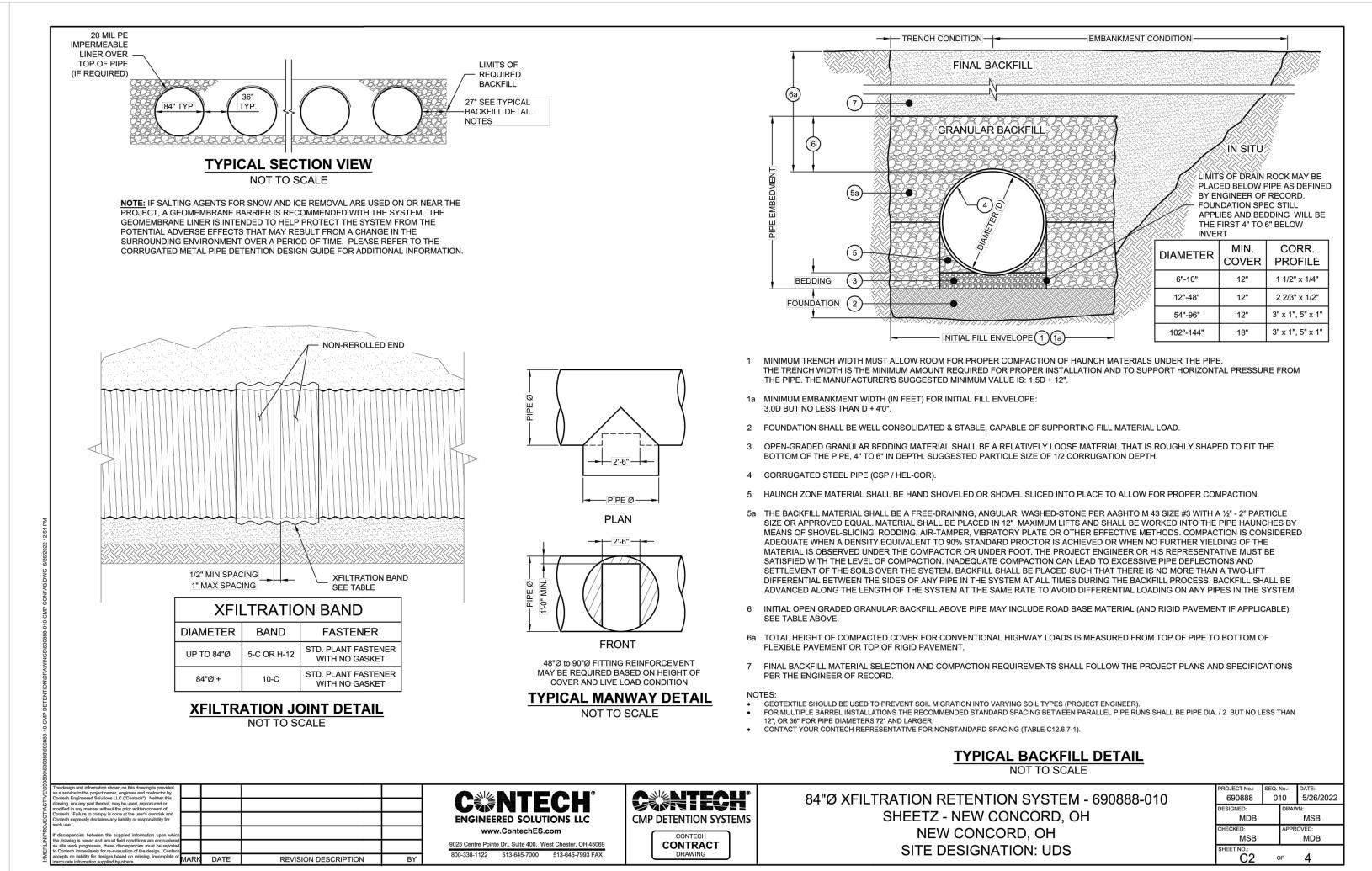
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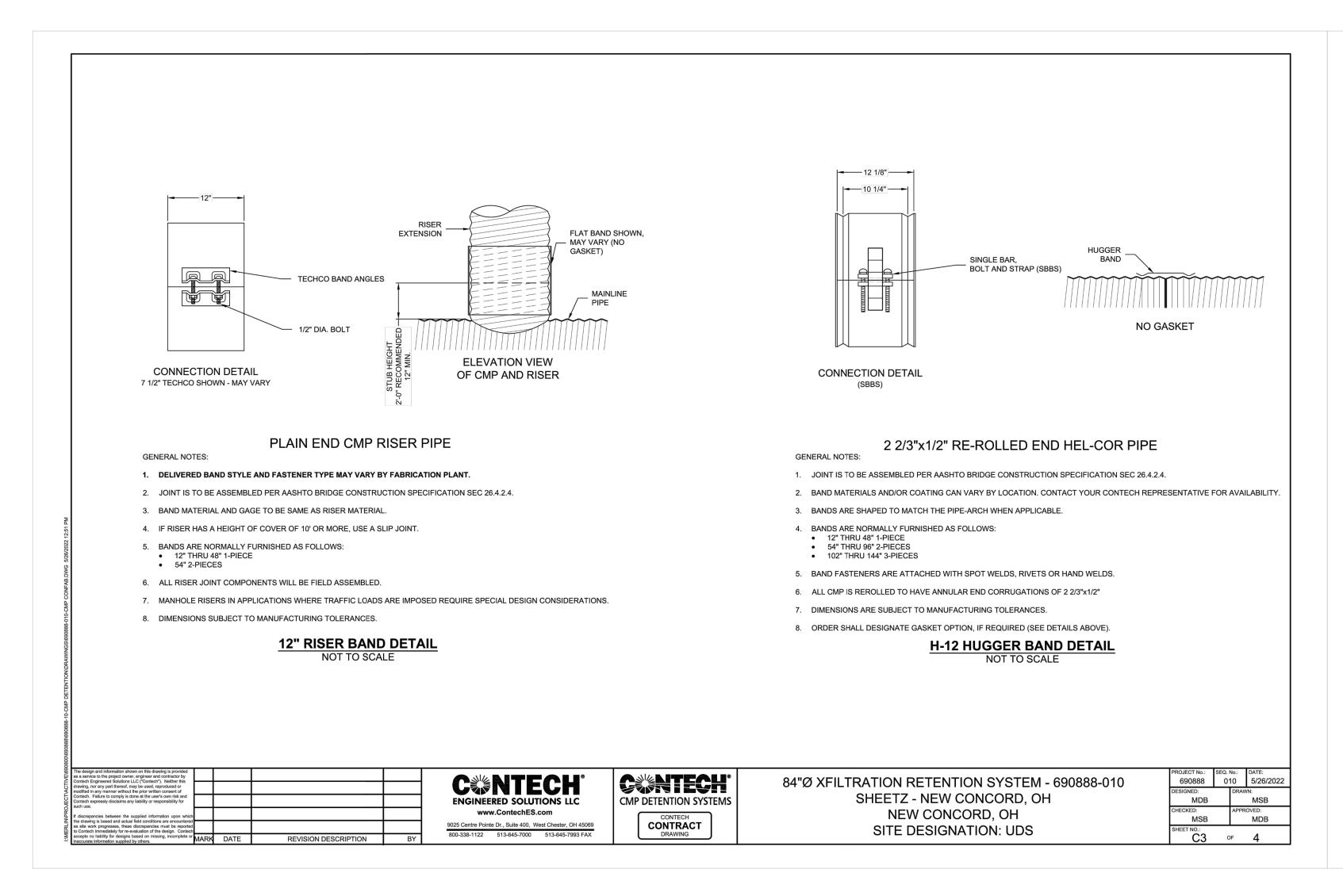
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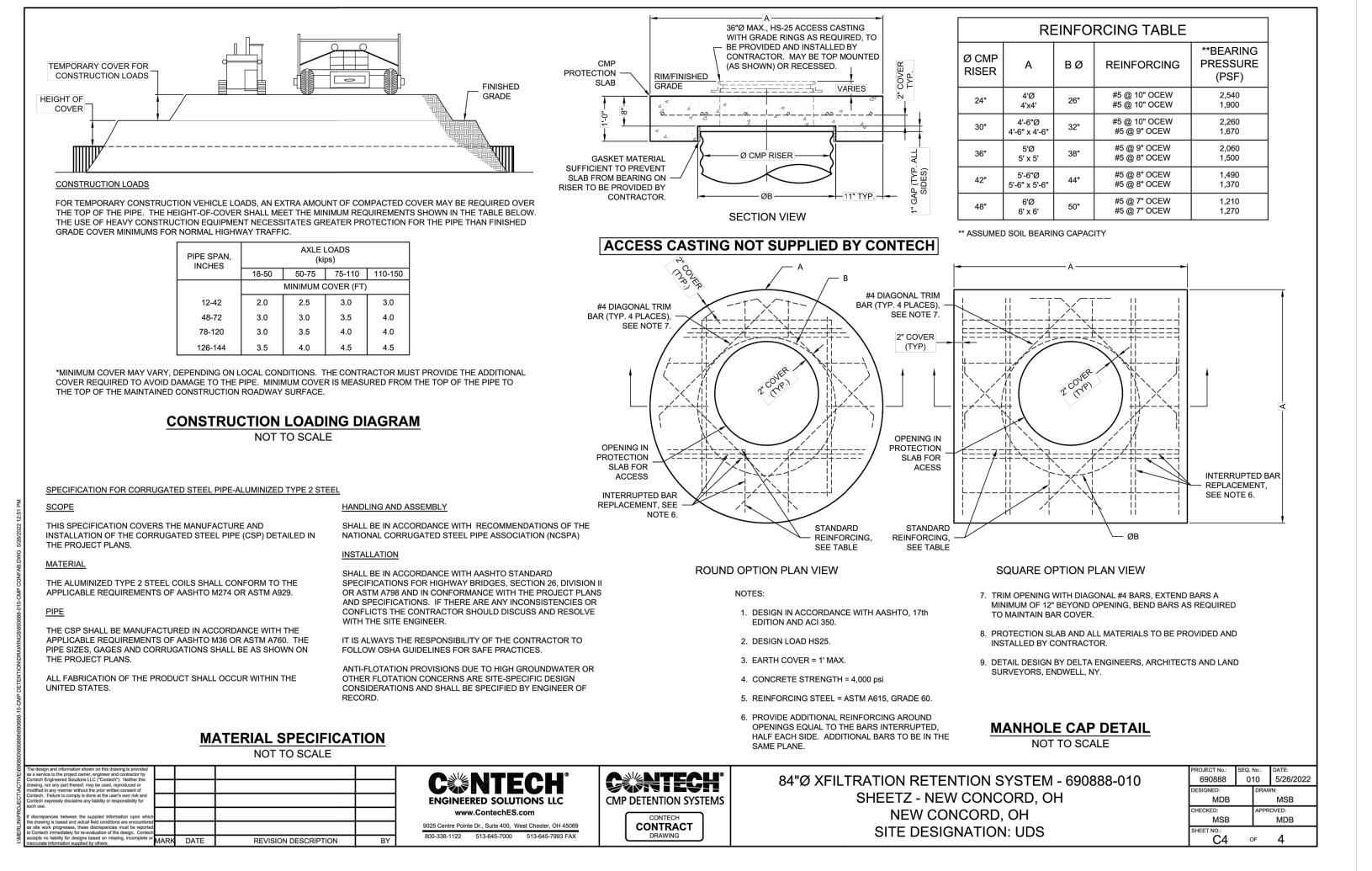
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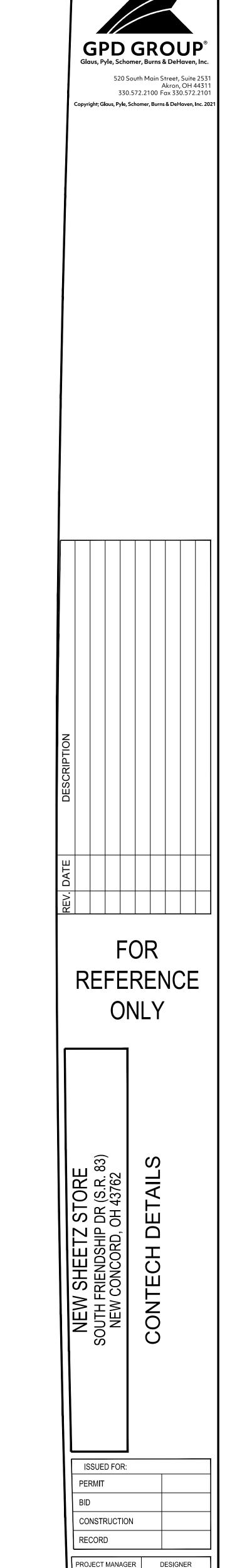


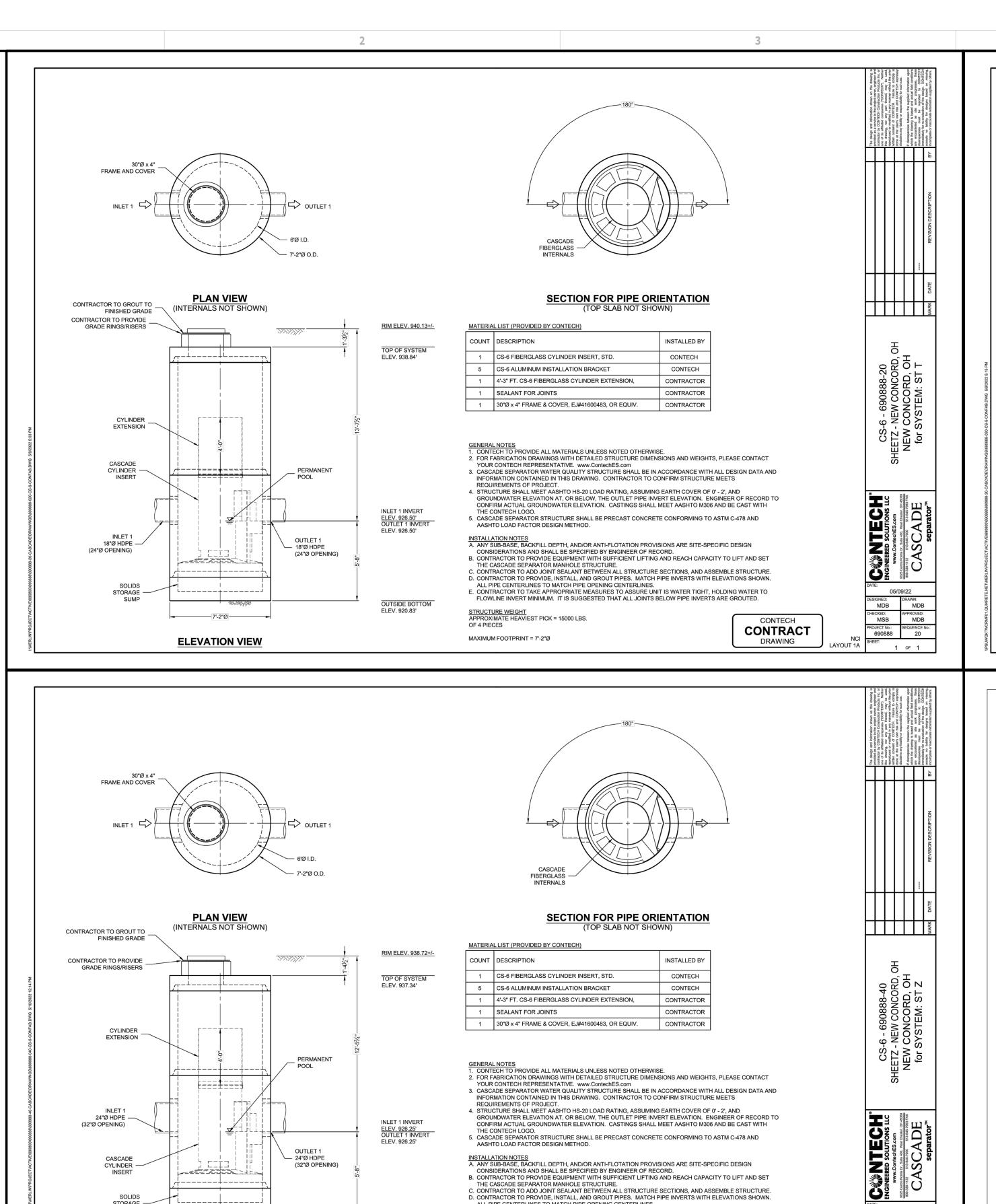


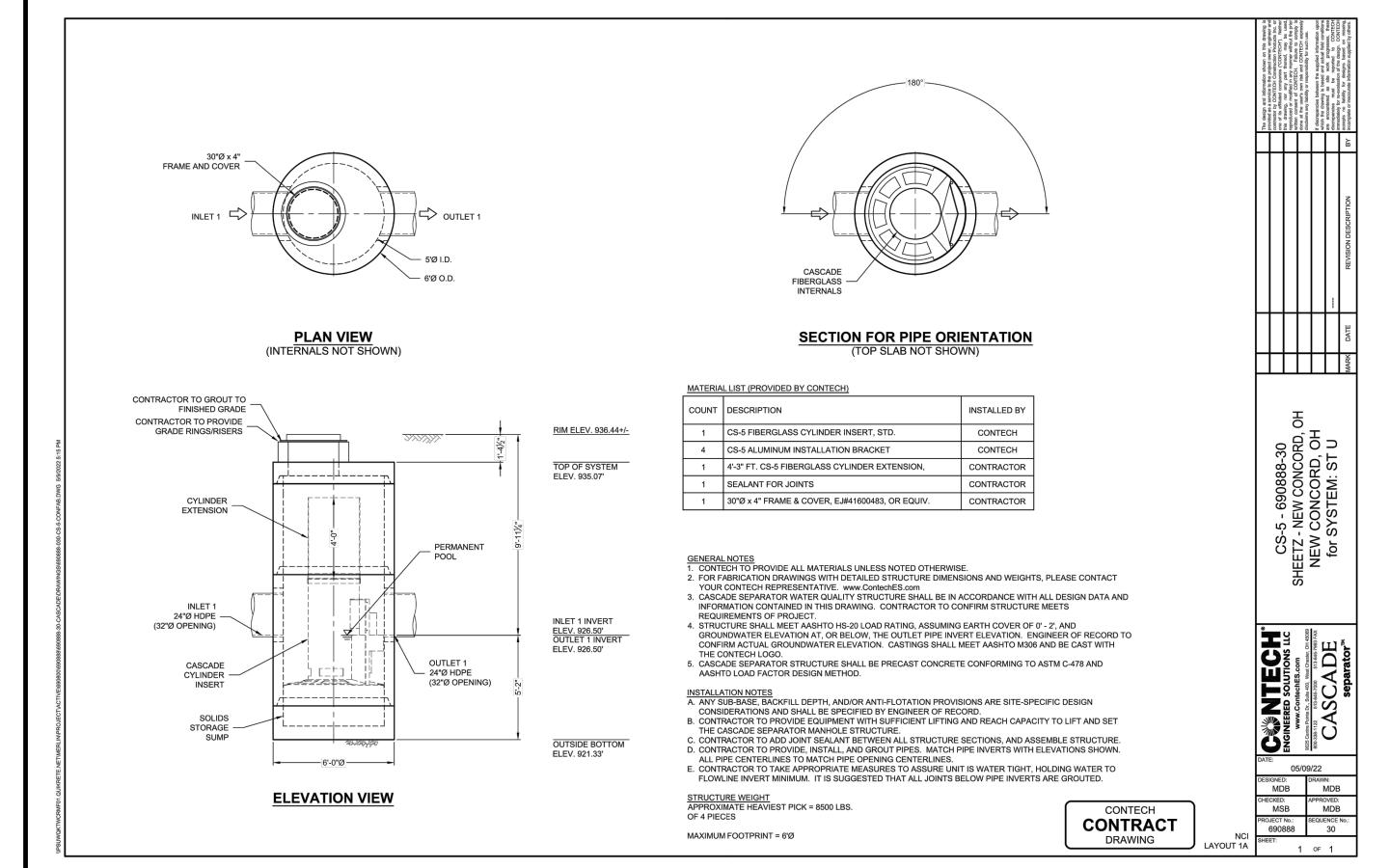
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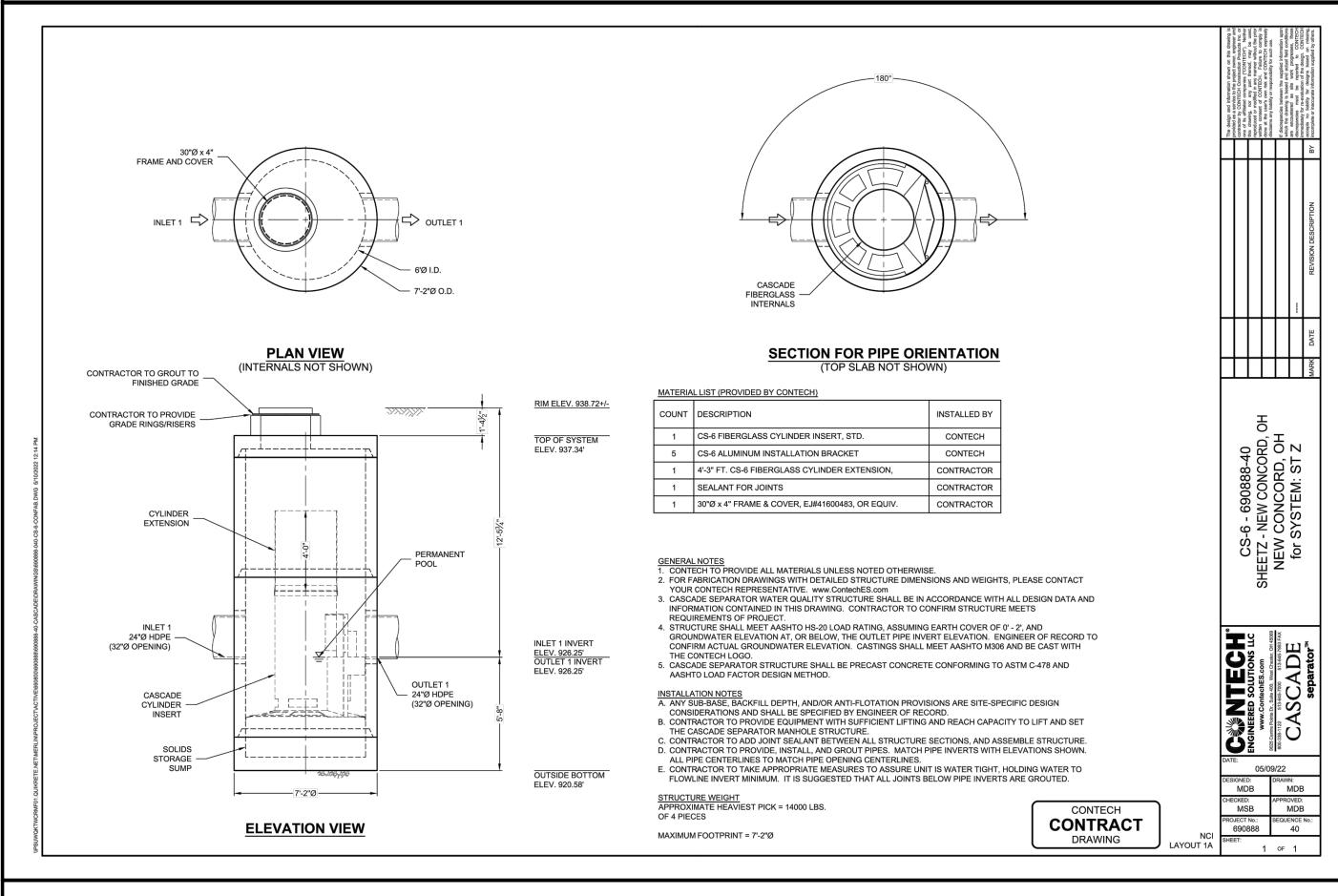


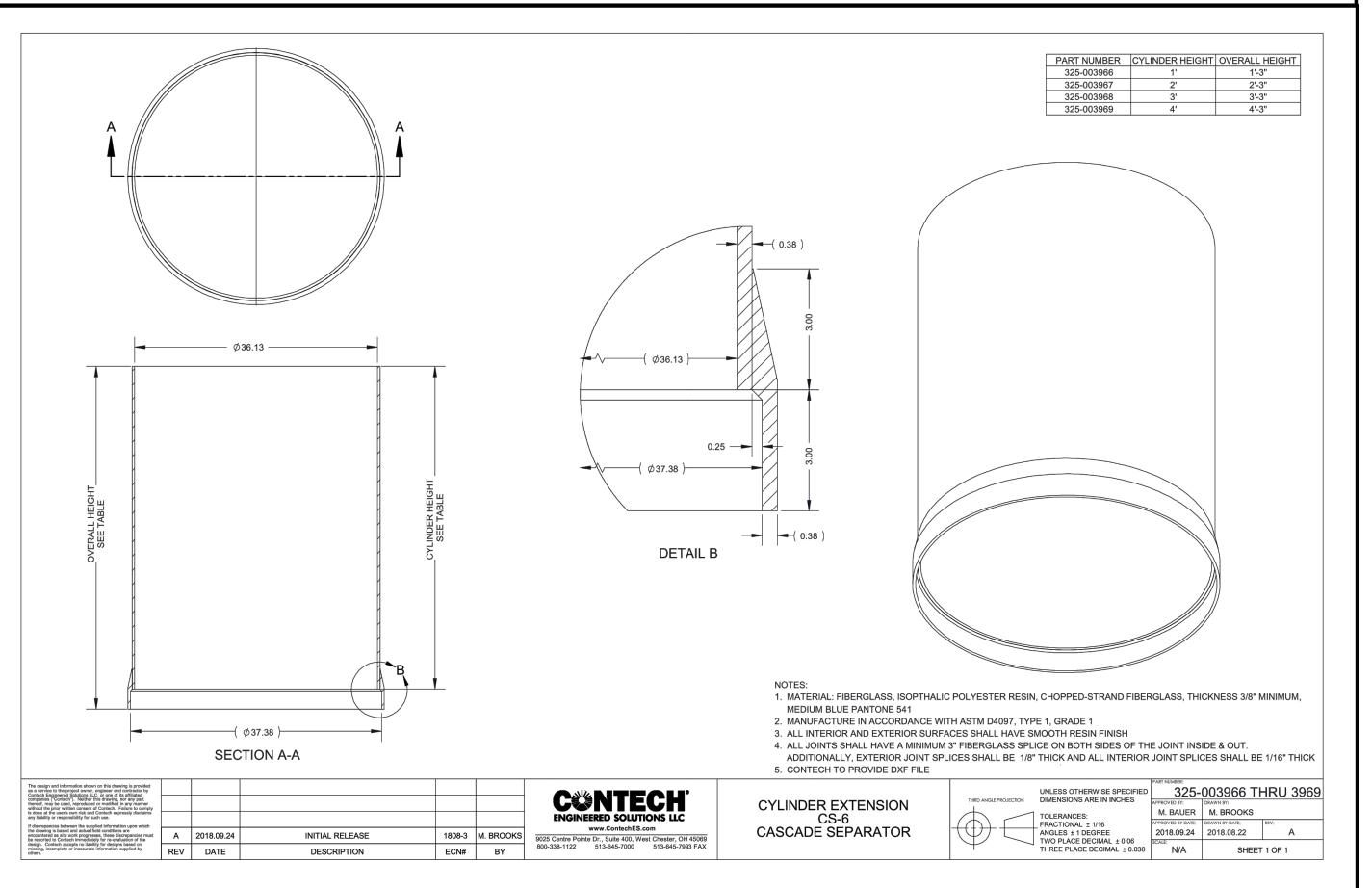


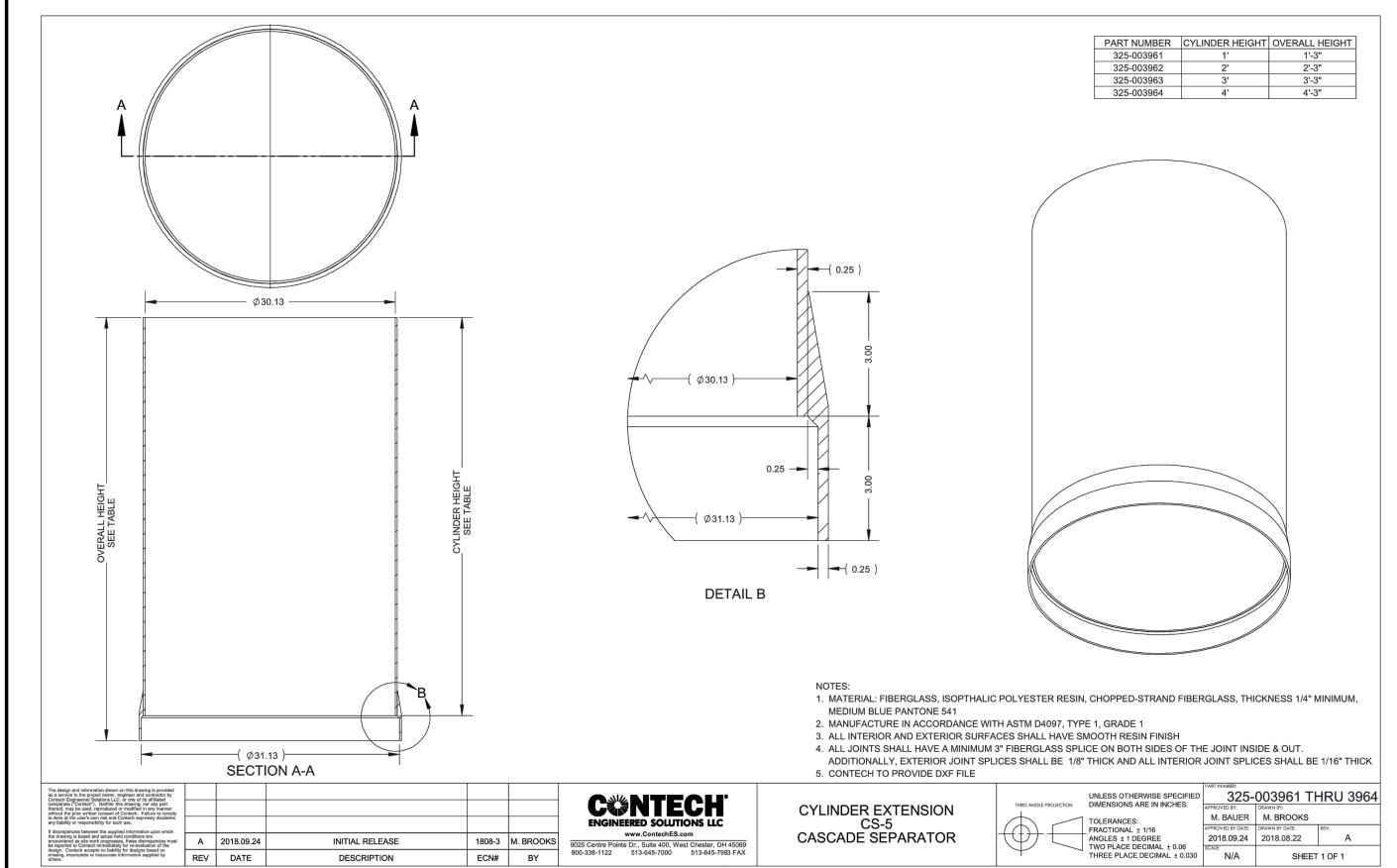


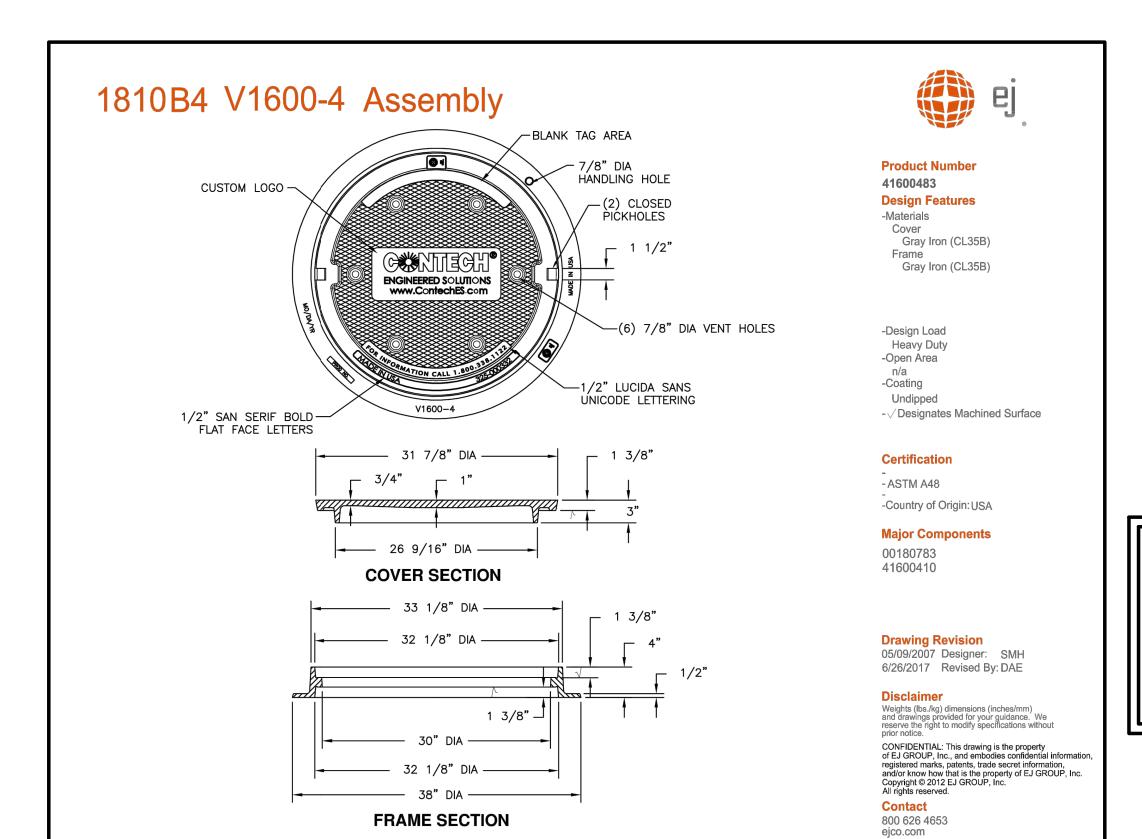






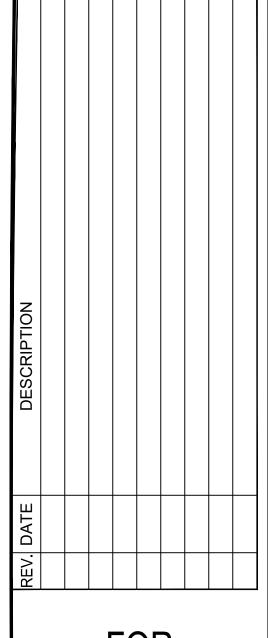






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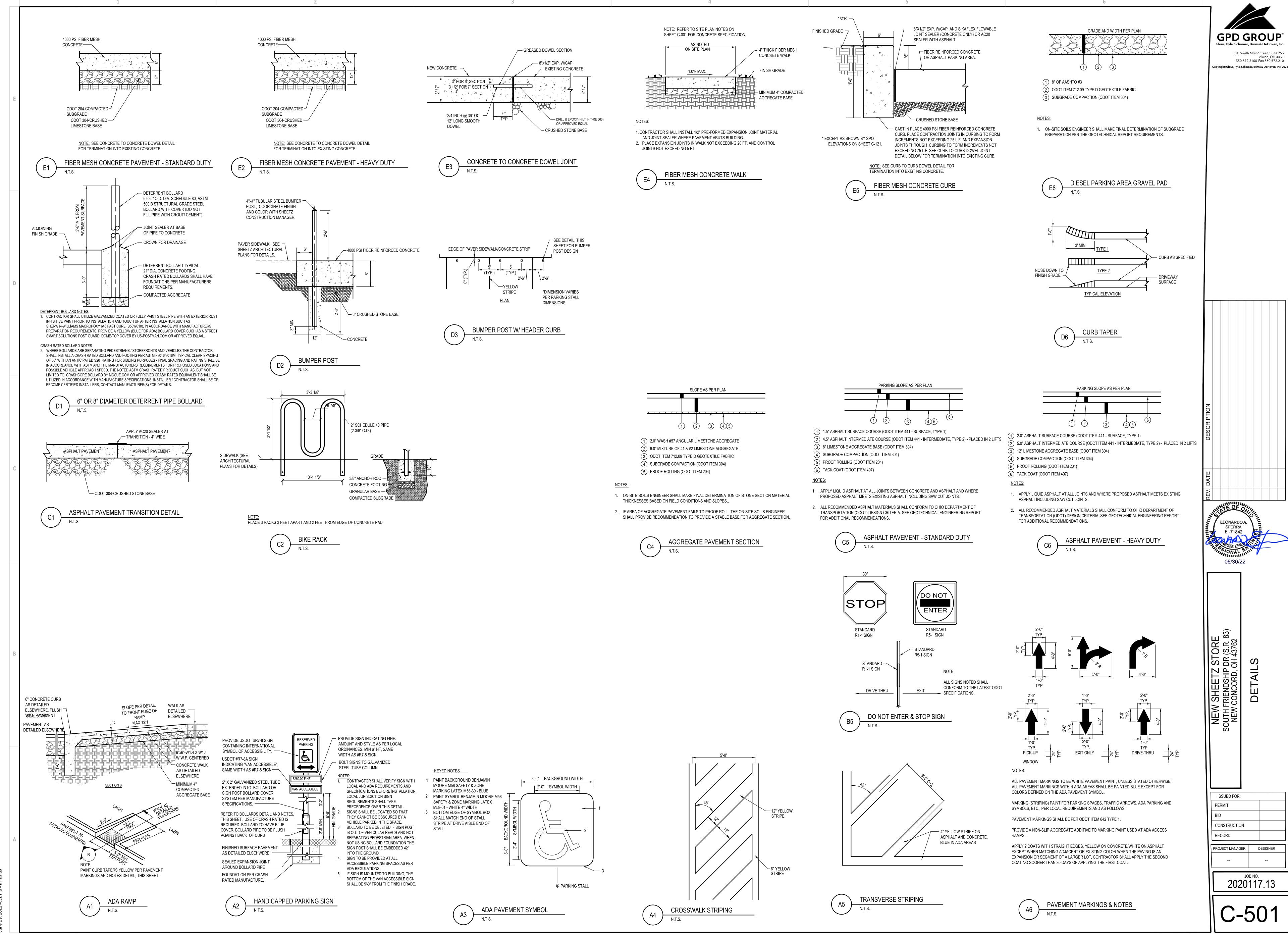
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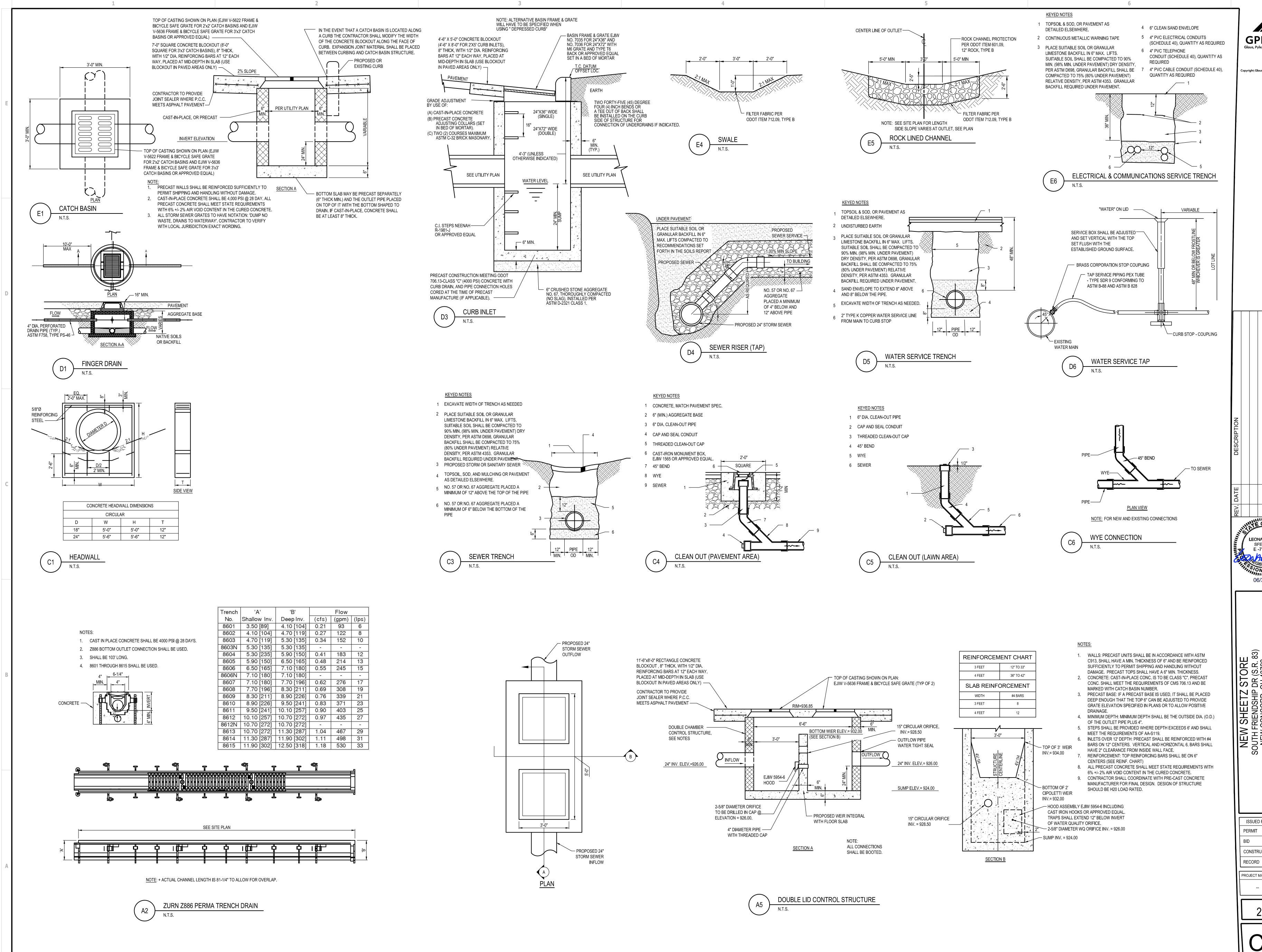


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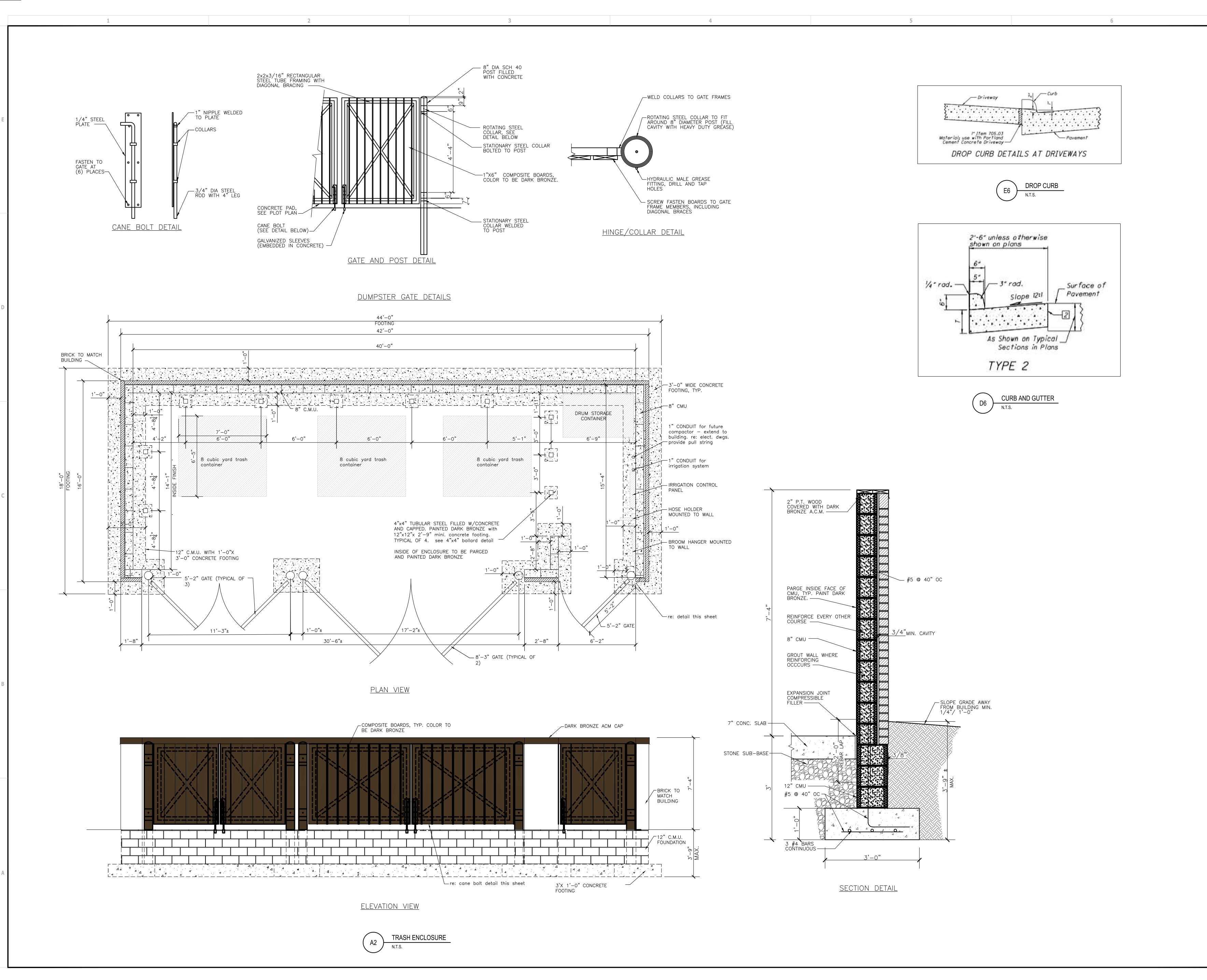
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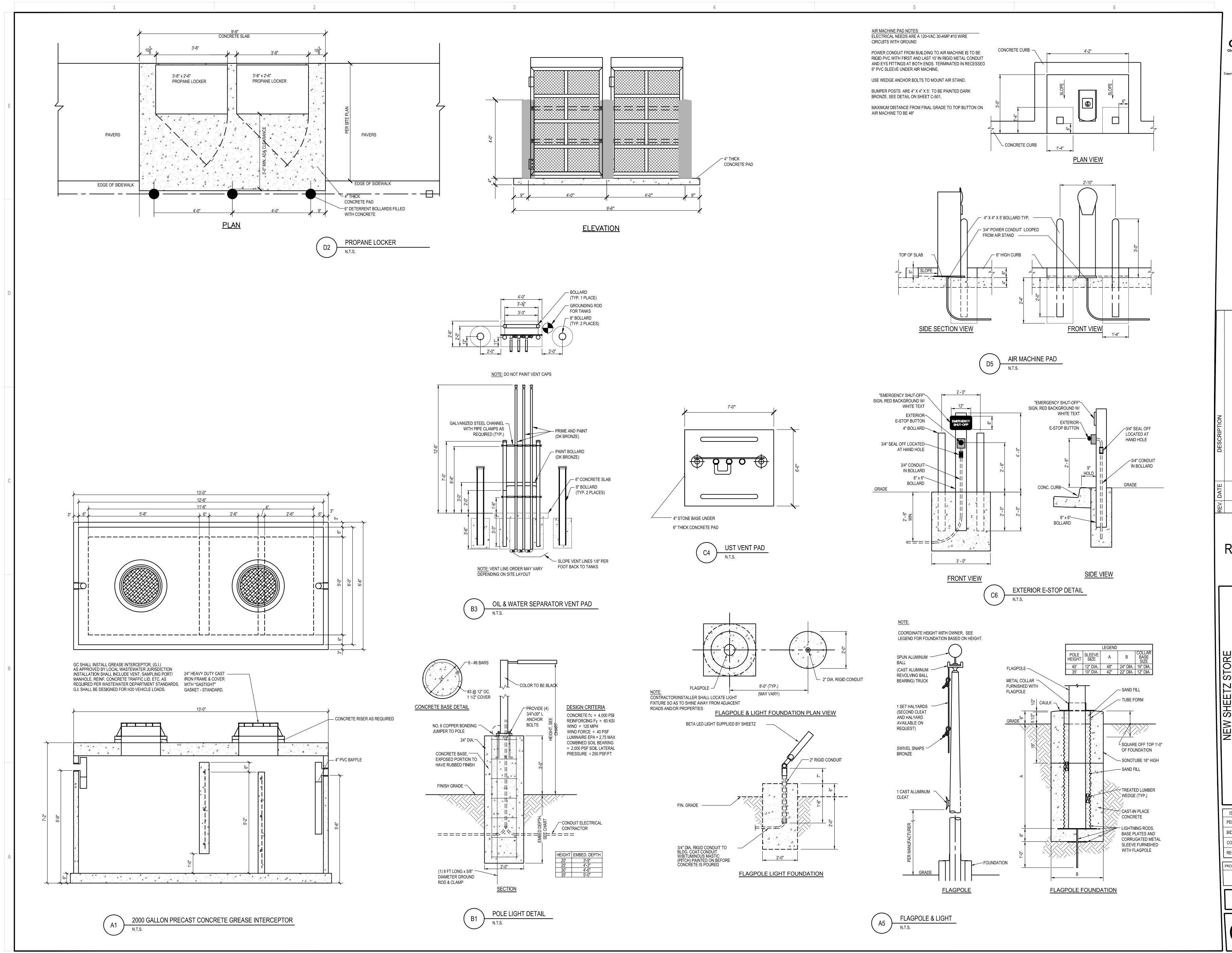
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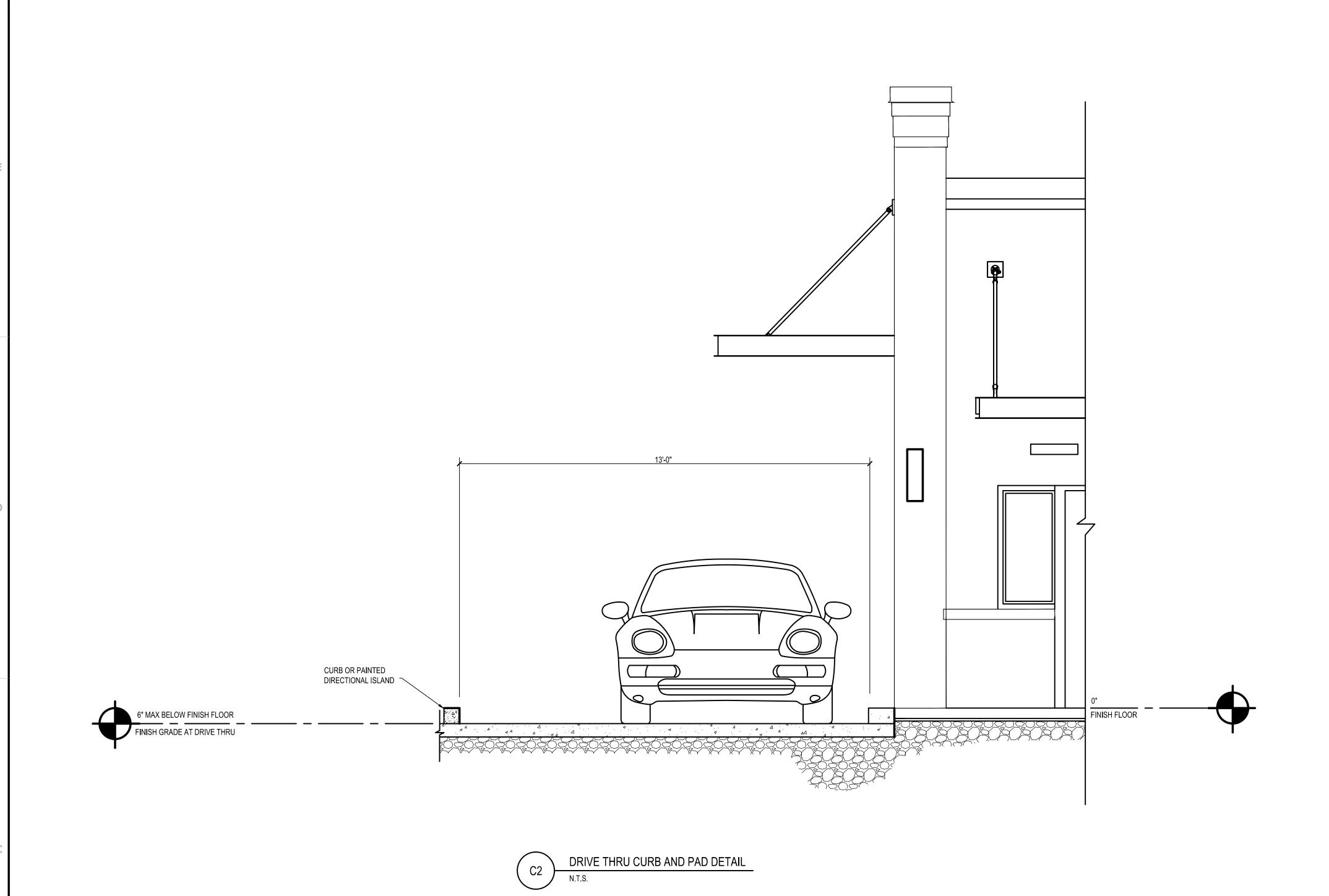
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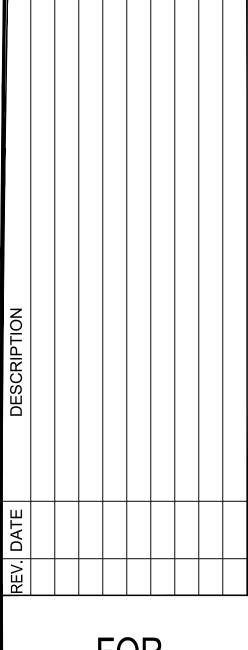


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CONSTRUCTION
RECORD

RECORD PROJECT MANAGER DESIGNER

2020117.13

||CR-504

TO BE FAMILIAR WITH APPLICABLE SECTIONS. THESE CONTRACT DRAWINGS SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST. IF UNFORESEEN STORM WATER POLLUTION IS ENCOUNTERED, ADDITIONAL STORM WATER POLLUTION PREVENTION (SWPP) MEASURES SHALL BE IMPLEMENTED TO MANAGE THE CURRENT SITE CONDITIONS WHICH MAY BE REQUESTED BY THE OWNER, COUNTY ENGINEER, PROJECT ENGINEER OR SOIL AND WATER CONSERVATION SERVICE REPRESENTATIVE AT ANYTIME. SUCH REQUESTS AND CHANGE IN SITE CONDITIONS

ALL STORM WATER POLLUTION PREVENTION PRACTICES SHALL BE INSTALLED BEFORE ANY OTHER EARTH MOVING OCCURS.

SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.

SEDIMENT BARRIERS SHALL BE INSTALLED DOWNSLOPE OF DISTURBED AREAS. SEDIMENT BARRIERS SHALL BE INSTALLED ALONG LEVEL CONTOURS. MAXIMUM CONTRIBUTING DRAINAGE AREA TO SEDIMENT BARRIERS SHALL BE PER THE CURRENT STATE'S EPA OR THE LOCAL AUTHORITY REQUIREMENTS. COMPOSITE FILTER SOCKS USED IN LIEU OF SILT FENCE SHALL BE A MINIMUM OF 12 INCHES IN DIAMETER.

SILT BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING AND NEW STORM INLETS, CATCH BASINS AND YARD DRAINS. INSTALL ROCK CHECK DAMS FOR HEADWALL INLETS FOR STORM WATER POLLUTION PREVENTION.

STORM WATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED AROUND ALL DIRT OR TOPSOIL STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS AS MAY BE SHOWN ON THESE PLANS AND/OR AS DIRECTED BY THE ENGINEER OR THE LOCAL AUTHORITY HAVING JURISDICTION.

SILT BARRIERS, CONSTRUCTION ENTRANCES, AND SILT PERIMETER CONTROLS SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF GRASS HAS BEEN OBTAINED AND/OR PAVING OPERATIONS ARE COMPLETE. CONTRACTOR SHALL KEEP SILT FROM ENTERING ANY STORM DRAINAGE SYSTEM. ONCE SITE HAS BEEN COMPLETELY STABILIZED, ANY SILT IN PIPES AND DRAINAGE SWALES SHALL BE REMOVED WITHIN 10 DAYS.

ALL EXISTING WATER COURSES WITHIN THE PROJECT LIMITS SHALL BE TEMPORARILY PROTECTED DURING LAND CLEARING AND GRADING OPERATIONS. SOILS WITHIN 50 FEET OF SAID WATER COURSES SHALL BE STABILIZED WITHIN 2 DAYS OF THE INITIAL CLEARING / GRADING OPERATION.

CONSTRUCTION ENTRANCE SHALL BE UTILIZED. IF CONDITIONS ARE SUCH THAT MUD IS COLLECTING ON VEHICLE TIRES, THE TIRES MUST BE CLEANED BEFORE THE VEHICLES ENTER THE PUBLIC ROADWAY. THE SITE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE ROADWAY MUST BE REMOVED PROMPTLY.

). IF FOR ANY REASON, THE PROJECT IS SUSPENDED, THE CONTRACTOR SHALL INSURE THAT ALL INSTALLED EROSION MEASURES ARE FUNCTIONING AND PROPERLY MAINTAINED DURING THIS PERIOD, AND THAT ALL BARE SOILS ARE SEEDED AND MULCHED WITH TEMPORARY SEED

. CONCRETE WASHOUT FACILITY (IF APPLICABLE) SHALL BE CONSTRUCTED IN ACCORDANCE WITH PLAN DETAILS AND LOCAL GOVERNING AUTHORITY REGULATIONS AND INSTRUCTIONS.

NSPECTION NOTES

CONTRACTOR SHALL INSPECT ALL SWPP MEASURES DAILY AND LOGGED BY THE CONTRACTOR FOR INSPECTION. LOGGING SHALL BE WEEKLY AND AFTER EVERY 1/2" RAINFALL EVENT. REPAIR AS NECESSARY TO PREVENT EROSION. SILTATION SHALL BE REMOVED FROM AREAS WHERE FAILURES HAVE OCCURRED AND CORRECTIVE ACTION TAKEN WITHIN 24 HOURS TO MAINTAIN ALL SWPP.

CONTRACTORS INSPECTOR SHALL BE A QUALIFIED INDIVIDUAL. ONLY A QUALIFIED INSPECTION PERSONNEL IS TO PERFORM THE INSPECTIONS. SITE INSPECTIONS SHALL BE DONE WEEKLY AND WITHIN 24 HRS AFTER EVERY RAINFALL EVENT EXCEEDING 1/2" OF RAINFALL, ALL NECESSARY REPAIRS SHOULD BE IMPLEMENTED IMMEDIATELY AFTER SUCH INSPECTIONS.

CONTRACTOR'S INSPECTOR SHALL BE RESPONSIBLE FOR PREPARING AND SIGNING WEEKLY AND ALL INTERMEDIATE EROSION CONTROL INSPECTION REPORTS AFTER EVERY INSPECTION, WHICH INCLUDE BUT NOT LIMITED TO (DISTURBED AREAS, MATERIAL STORAGE AREAS, EROSION AND SEDIMENT CONTROLS; DISCHARGE LOCATIONS AND VEHICLE ENTRANCE/EXIT LOCATIONS). SUCH REPORTS SHALL BE MADE AVAILABLE TO OWNER, ENGINEER AND CITY / STATE OFFICIALS UPON THEIR REQUEST.

REPORTS SHALL BE KEPT FOR 3 YEARS AFTER TERMINATION OF THE CONSTRUCTION

CONTRACTOR MAY SUBMIT A WAIVER REQUEST TO THE LOCAL AND STATE GOVERNING AUTHORITIES FOR A REDUCTION TO MONTHLY INSPECTIONS IF THE SITE WILL BE STABILIZED AND DORMANT FOR A LONG PERIOD, AND/OR THE RUNOFF IS UNLIKELY DUE TO WEATHER CONDITIONS FOR AN EXTENDED PERIOD OF TIME (FROZEN GROUND).

FOR BMPS THAT REQUIRE REPAIR OR MAINTENANCE - NON SEDIMENT POND BMPS ARE TO BE REPAIRED WITHIN 3 DAYS OF INSPECTION AND SEDIMENT PONDS ARE TO BE REPAIRED OR CLEANED OUT WITHIN 10 DAYS OF INSPECTION.

FOR BMPS THAT DO NOT MEET THE INTENDED FUNCTION, A NEW BMP SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.

FOR MISSING BMPS REQUIRED, THE MISSING BMPS SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.

SPILLS AND CONTAMINATION 1. CONSTRUCTION PERSONNEL, INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE HAZARDOUS OR TOXIC MATERIALS, SHALL BE MADE AWARE OF THE FOLLOWING GENERAL GUIDELINES REGARDING DISPOSAL AND HANDLING OF HAZARDOUS AND CONSTRUCTION

a. PREVENT SPILLS a. USE PRODUCTS UP FOLLOW LABEL DIRECTIONS FOR DISPOSAL REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSING IN TRASH RECYCLE WASTES WHENEVER POSSIBLE DON'T POUR INTO WATERWAYS, STORM DRAINS OR ONTO THE GROUND DON'T POUR DOWN THE SINK, DOOR DRAIN OR SEPTIC TANKS

DON'T BURY CHEMICALS OR CONTAINERS

WASTES:

DON'T BURN CHEMICALS OR CONTAINERS DON'T MIX CHEMICALS TOGETHER 2. ANY DISCHARGE OF PETROLEUM OR PETROLEUM PRODUCTS OF LESS THAN 25 GALLONS

ONTO A PERVIOUS SURFACE SHALL BE LEGALLY REMOVED AND PROPERLY TREATED OR PROPERLY DISPOSED OF, OR OTHERWISE REMEDIATED, SO THAT NO CONTAMINATION FROM THE DISCHARGE REMAINS ON-SITE. SPILLS OF 25 GALLONS OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO THE OHIO EPA, THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE DISCOVERY OF THE RELEASE. ALL SPILLS WHICH CONTACT WATERS OF THE STATE MUST BE REPORTED TO THE CURRENT STATE'S EPA.

SPILL REPORTING REQUIREMENTS: SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LAND FILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS. GASOLINE. OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. SPILLS SHALL BE REPORTED TO THE OHIO EPA.

4. CONTAINERS SHALL BE PROVIDED FOR THE PROPER COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS USED ON-SITE. CONTAINERS SHALL BE COVERED AND NOT LEAKING. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL. CONSTRUCTION DEMOLITION AND DEBRIS (CD&D) WASTE MUST BE DISPOSED OF AT THE OHIO EPA APPROVED CD&D LAND FILL.

5. PROCESS WASTE WATER/LEACHATE MANAGEMENT: EPA'S CONSTRUCTION GENERAL PERMIT ONLY ALLOWS THE DISCHARGE OF STORM WATER AND DOES NOT INCLUDE OTHER WASTE STREAMS/DISCHARGES SUCH AS VEHICLE AND/OR EQUIPMENT WASHING, ON-SITE SEPTIC LEACHATE CONCRETE WASH OUTS, WHICH ARE CONSIDERED PROCESS WASTEWATERS. ALL PROCESS WASTEWATERS MUST BE COLLECTED AND PROPERLY DISPOSED AT AN APPROVED DISPOSAL FACILITY. IN THE EVENT, LEACHATE OR SEPTAGE IS DISCHARGED; IT MUST BE ISOLATED FOR COLLECTION AND PROPER DISPOSAL AND CORRECTIVE ACTIONS TAKEN TO ELIMINATE THE SOURCE OF WASTE WATER.

PREVENT THE TRACKING OR FLOW OF MUD ONTO THE PUBLIC RIGHT-OF-WAY. ALL MATERIALS 6. WASTES GENERATED BY CONSTRUCTION ACTIVITIES (I.E. CONSTRUCTION MATERIALS SUCH AS 2. MULCH SHALL CONSIST OF ONE OF THE FOLLOWING: PAINTS, SOLVENTS, FUELS, CONCRETE, WOOD, ETC) MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS. HAZARDOUS AND TOXIC SUBSTANCES ARE USED ON VIRTUALLY ALL CONSTRUCTION SITES. GOOD MANAGEMENT OF THESE SUBSTANCES IS ALWAYS NEEDED.

7. NO CONSTRUCTION RELATED WASTE MATERIALS ARE TO BE BURIED OR BURNED ON-SITE.

8. HANDLING CONSTRUCTION CHEMICALS: MIXING, PUMPING, TRANSFERRING OR OTHER HANDLING OF CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DRYING COMPOUNDS, AND ALL OTHER POTENTIALLY HAZARDOUS MATERIALS SHALL BE PERFORMED IN AN AREA AWAY FROM ANY WATERCOURSE, DITCH OR STORM DRAIN.

9. EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC., SHALL BE PERFORMED AWAY FROM WATERCOURSES, DITCHES OR STORM DRAINS, IN AN AREA DESIGNATED FOR THAT PURPOSE. THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPILLS. SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL FUEL OIL STORAGE TANKS. THESE AREAS MUST BE INSPECTED EVERY SEVEN DAYS AND WITHIN 24 HRS. OF A 0.5 INCH OR GREATER RAIN EVENT TO ENSURE THERE ARE NO EXPOSED MATERIALS WHICH WOULD CONTAMINATE STORM WATER. SITE OPERATORS MUST BE AWARE THAT SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) REQUIREMENTS MAY APPLY. AN SPCC PLAN IS REQUIRED FOR SITES WITH ONE SINGLE ABOVE GROUND TANK OF 660 GALLONS OR MORE. ACCUMULATIVE ABOVE GROUND STORAGE OF 1330 GALLONS OR MORE, OR 42 000 GALLONS OF UNDERGROUND STORAGE. CONTAMINATED SOILS MUST BE PROPERLY DISPOSED OF IN ACCORDANCE WITH LOCAL GOVERNING AUTHORITY REGULATIONS. SPCC PLAN AND APPROVALS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

10. CONTAMINATED SOILS: IF SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC. ARE SPILLED, LEAKED, OR RELEASED ONTO THE SOIL, THE SOIL SHOULD BE DUG UP AND DISPOSED OF AT LICENSED SANITARY LAND FILL OR OTHER APPROVED PETROLEUM CONTAMINATED SOIL REMEDIATION FACILITY (NOT A CONSTRUCTION / DEMOLITION DEBRIS LAND FILL). NOTE THOSE STORM WATER RUNOFFS ASSOCIATED WITH CONTAMINATED SOILS ARE NOT BE AUTHORIZED UNDER CURRENT REGULATIONS OF CONSTRUCTION ACTIVITIES.

11. CONTRACTOR SHALL TAKE PREVENTIVE MEASURES FOR WATER DISCHARGES FROM CONTAMINATED SOILS BY ANY MEANS POSSIBLE. INCLUDING THE FOLLOWING: 11.1. THE USE OF BERMS, TRENCHES, AND PITS TO COLLECT CONTAMINATED RUNOFF AND

PREVENT DISCHARGES 11.2. PUMPING RUNOFF INTO A SANITARY SEWER (WITH PRIOR WRITTEN APPROVAL OF THE SANITARY SEWER SERVICE OPERATOR) OR INTO A CONTAINER FOR TRANSPORT TO AN

APPROPRIATE TREATMENT/DISPOSAL FACILITY 11.3. COVERING AREAS OF CONTAMINATION WITH TARPS OR OTHER METHODS THAT PREVENT STORMWATER FROM COMING INTO CONTACT WITH CONTAMINATED MATERIALS.

TEMPORARY SEEDING

1. STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.

WITHIN 50 FEET OF A WATERCOURSE SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS

2. TEMPORARY SEEDING / STABILIZATION SHALL BE APPLIED WITHIN THE FOLLOWING TIME FRAMES FOR VARIOUS AREAS OF THE SITE: 2.1. ANY DISTURBED AREA WITHIN 50 FEET OF A WATERCOURSE AND NOT AT FINAL GRADE SHALL BE SEEDED AND MULCHED WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE,

IF THAT AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS. 2.2. ALL CONSTRUCTION ACTIVITIES IN ANY DISTURBED AREA, INCLUDING SOIL STOCKPILES THAT WILL BE IDLE FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT

OF THE MOST RECENT DISTURBANCE IN THE AREA. 2.3. DISTURBED AREAS THAT WILL BE IDLE OVER THE WINTER SHALL BE SEEDED AND MULCHED PRIOR TO NOVEMBER 1.

3. THE SEED BED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHOULD NOT BE POSTPONED IF IDEAL SEED BED PREPARATION IS NOT POSSIBLE.

4. TEMPORARY VEGETATION SEEDING RATES SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION, WHICH MAY REQUIRE USE OF SOIL AMENDMENTS. BASE RATES FOR LIME AND FERTILIZER SHALL BE USED.

5. ALL SEED MIXES AND SEEDING RATES USED SHALL BE APPROVED BY THE LOCAL GOVERNING

6. SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SPREADER, DRILL, CULTIPACKER, SEEDER, OR HYDROSEEDER, WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED. THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

7. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES ON FAVORABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION. IF MULCH IS USED, FOLLOW THE REQUIREMENTS AND INSTRUCTIONS IN THE MULCH APPLICATION.

1. MULCH AND OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 21 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.

AUTHORITY AND THE OWNER.

STRAW SHALL BE UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1,000 SQ. FT. (TWO TO THREE BALES) THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY

1,000 SQ. FT. SECTIONS AND PLACE TWO 45-LB BALES OF STRAW IN EACH SECTION. 2.2. WOOD CELLULOSE FIBER SHOULD BE USED AT 2,000 LB.AC, OR 46 LB/1,000 SQ. FT. 2.3. ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS AND ROLLED EROSION CONTROL PRODUCTS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD MULCH/CHIPS APPLIED AT 10-20 TONS/AC.

3. MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF, THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH 3.1. USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE 2.5. FLOW RATES VARY DEPENDING ON THE SIZE OF THE DEWATERING DEVICE, AMOUNT OF MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 INCHES.

3.2. USE MULCH NETTINGS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING REQUIREMENTS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE. 3.3. FOR STRAW MULCH. SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70.

PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE

MANUFACTURER. ALL APPLICATIONS OF SYNTHETIC BINDERS MUST BE CONDUCTED IN

SUCH A MANNER WHERE THERE IS NO CONTACT WITH WATERS OF THE STATE. 3.4. WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW, THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB/AC. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB/100 GAL. OF WOOD CELLULOSE FIBER.

DUST CONTROL NOTES

DUST CONTROL SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. IF POSSIBLE GRADING SHALL BE DONE BY PHASING IN ORDER TO MINIMIZE THE AMOUNT OF LAND DISTURBANCE AT ONE TIME. IF PHASING IS NOT AN OPTION, DUST SHALL BE CONTROLLED WITH WATER DURING EARTHWORK OPERATIONS. AFTER EARTHWORK OPERATIONS, THE EXPOSED SOILS SHALL BE COVERED WITH STRAW OR MULCH UNTIL SEEDED.

2. DUST CONTROL OR DUST SUPPRESSANTS MAY BE USED TO PREVENT NUISANCE CONDITIONS WHEN APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION. WHEN USED, SUPPRESSANTS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND IN A MANNER, WHICH PREVENTS A DISCHARGE TO WATERS OF THE STATE. SUFFICIENT DISTANCE MUST BE PROVIDED BETWEEN APPLICATIONS AND NEARBY BRIDGES, CATCH BASINS, AND OTHER WATERWAYS. APPLICATION (EXCLUDING WATER) MAY NOT OCCUR WHEN RAIN IS IMMINENT AS NOTED IN THE SHORT TERM FORECAST. OIL MAY NOT BE APPLIED FOR DUST CONTROL.

3. SUGGESTED METHODS OF CONSTRUCTION DUST CONTROL MAY INCLUDE THE FOLLOWING: 3.1. CONSTRUCTION SEQUENCING AND DISTURBING ONLY SMALL AREAS AT A TIME CAN GREATLY REDUCE PROBLEMATIC DUST FROM THE SITE. IF LAND MUST BE DISTURBED ADDITIONAL TEMPORARY STABILIZATION MEASURES SHOULD BE CONSIDERED PRIOR TO 3.2. APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN

IDLE FOR OVER 14 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUSE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS. 3.3. SPRAY DISTURBED SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING

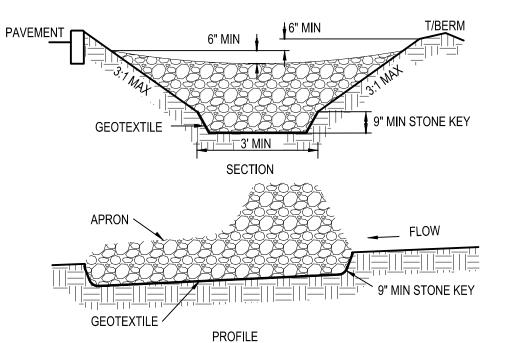
GRADING AND REPEAT AS NEEDED. ESPECIALLY ON HAUL ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION. WETTING AGENTS MAY BE UTILIZED ACCORDING TO MANUFACTURERS INSTRUCTIONS. 3.4. GRADED ROADWAYS AND OTHER SUITABLE AREAS MAY BE STABALIZED USING CRUSHED

FINAL GRADE. CRUSHED STONE OR COARSE GRAVEL CAN BE USED AS A PERMANENT COVER TO PROVIDE CONTROL OF SOIL EMISSIONS. 3.5. EXISTING WINDBREAK VEGETATION SHALL BE MARKED AND PRESERVED TO THE EXTENT POSSIBLE. SNOW FENCING OR OTHER SUITABLE BARRIER MAY BE PLACED

STONE OR COARSE GRAVEL AS SOON AS PRACTICABLE AFTER REACHING AN INTERIM OF

PERPENDICULAR TO PREVAILING AIR CURRENTS AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHTS TO CONTROL AIR CURRENTS AND BLOWING SOIL. 3.6. WHEN TEMPORARY DUST CONTROL MEASURES ARE USED; REPETITIVE TREATMENT

SHOULD BE APPLIED AS NEED TO ACCOMPLISH SATISFACTORY CONTROL. PAVED AREAS THAT HAVE ACCUMULATED SEDIMENT FROM CONSTRUCTION SHOULD BE CLEANED DAILY, OR AS NEEDED, UTILIZING A STREET SWEEPER OR BUCKET-TYPE ENDLOADER OR SCRAPER.



THE CHECK DAM SHALL BE CONSTRUCTED OF 4-8 INCH DIAMETER ODOT TYPE D STONE, PLACED SO THAT IT COMPLETELY COVERS THE WIDTH OF THE CHANNEL.

THE CHECK DAM SHALL BE UNDERLAIN WITH GEOTEXTILE FILTER FABRIC MAXIMUM HEIGHT OF CHECK DAM SHALL NOT EXCEED 3 FEET. 4. THE MIDPOINT OF THE ROCK CHECK DAM SHALL BE A MINIMUM OF 6 INCHES LOWER THAN THE SIDES IN ORDER TO DIRECT ACROSS THE CENTER AND AWAY FROM THE CHANNEL SIDES.

THE BASE OF THE CHECK DAM SHALL BE ENTRENCHED APPROXIMATELY 9 INCHES. A SPLASH APRON SHALL BE CONSTRUCTED WHERE CHECK DAMS ARE EXPECTED TO BE IN USE FOR AN EXTENDED PERIOD OF TIME, A STONE APRON SHALL BE CONSTRUCTED IMMEDIATELY DOWNSTREAM OF THE CHECK DAM TO PREVENT FLOWS FROM UNDERCUTTING THE STRUCTURE. THE APRON SHOULD BE 6 IN. THICK AND ITS LENGTH TWO TIMES THE HEIGHT OF THE DAM. STONE PLACEMENT SHALL BE PERFORMED EITHER BY HAND OR MECHANICALLY AS LONG AS THE

CENTER OF CHECK DAM IS LOWER THAN THE SIDES AND EXTENDS ACROSS ENTIRE CHANNEL. 8. SIDE SLOPES SHALL BE A MINIMUM OF 2:1.

AREAS ON CONSTRUCTION SITES, UTILITY LINE CONSTRUCTION OR FROM SEDIMENT TRAPS OR BASINS ON CONSTRUCTION SITES. GIVEN THE UNIQUE CONDITIONS AT ANY PARTICULAR CONSTRUCTION SITE, ANY OR ALL OF THE PRACTICES MAY APPLY. IN ALL CASES, EVERY EFFORT SHALL BE MADE TO ELIMINATE SEDIMENT POLLUTION ASSOCIATED WITH DEWATERING.

DEWATERING REFERS TO THE ACT OF REMOVING AND DISCHARGING WATER FROM EXCAVATED

PRACTICES FOR DEWATERING EXCAVATED AREAS 1. PUMPING OF WATER TO AN EXISTING SEDIMENT BASIN OR TRAP IN WHICH THE ENTIRE VOLUME OF WATER FROM THE AREA TO BE DEWATERED CAN BE CONTAINED WITHOUT

DEWATERING

DISCHARGE TO RECEIVING WATERS. 2. PUMPING OF WATER TO AN EXISTING SEDIMENT BASIN OR TRAP SUCH THAT THE ENTIRE VOLUME OF WATER FROM THE AREA TO BE DEWATERED CAN BE MANAGED WITHOUT EXCEEDING THE DESIGN OUTFLOW FROM THE SEDIMENT CONTROL STRUCTURE.

3. USE OF A STRAW BALE/SILT FENCE PIT OR TRAP AS DESCRIBED HEREIN AND APPROVED BY THE LOCAL GOVERNING AUTHORITY. 4. PUMPING WATER THROUGH A GEOTEXTILE BAG MADE SPECIFICALLY FOR THIS PURPOSE. 5. A WELL-VEGETATIVE FILTER STRIP, CAPABLE OF WITHSTANDING THE VELOCITY OF

DISCHARGED WATER WITHOUT ERODING, INCLUDING THE INSTALLATION OF ENERGY

DISSIPATION (HAYBALES, RIPRAP OR SHEET OF PLYWOOD) AT THE PUMP DISCHARGE.

6. USE A SUMP PIT TO REDUCE THE PUMPING OF MUD. DEWATERING OF SEDIMENT TRAPS AND BASINS. IN ALL CASES, WATER REMOVED FROM TRAPS AND BASINS SHALL BE DISCHARGED SO THAT IT PASSES THROUGH A SEDIMENT CONTROL DEVICE APPROVED BY THE LOCAL GOVERNING AUTHORITY PRIOR TO ENTERING RECEIVING WATERS. PRACTICES FOR DEWATERING OF TRAPS AND BASINS MAY INCLUDE SOME OR ALL OF THE

FOLLOWING AS MAY BE APPROVED AND APPLICABLE. IN ALL CASES, THE DEWAERING OPERATIONS UTILIZED MUST BE CONTINUOUSLY MONITORED BY THE CONTRACTOR. USE OF A STRAW BALE/SILT FENCE PIT OR TRAP. 1.1. AN EXCAVATED BASIN (APPLICABLE TO "STRAW BALE/SILT FENCE PIT") MAY BE LINED WITH FILTER FABRIC TO HELP REDUCE SCOUR AND TO PREVENT EROSION OF SOIL FROM

HAY OR STRAW BALE OR RIPRAP. MEASURES SHALL CONSIST OF STRAW BALES, SILT FENCE AND A STONE OUTLET CONSISTING OF A COMBINATION OF 4-8 INCH RIPRAP AND ½ TO 2 INCH AGGREGATE AND A WET STORAGE PIT ORIENTED AS SHOWN IN DRAWING.

WITHIN THE STRUCTURE. IT MAY ALSO BE HELPFUL TO DIRECT THE DISCHARGE ONTO A

1.3. THE EXCAVATED AREA SHOULD BE A MINIMUM OF 3 FEET BELOW THE BASE OF THE PERIMETER MEASURES (STRAW BALES OR SILT FENCE). 1.4. ONCE THE WATER LEVEL NEARS THE CREST OF THE STONE WEIR (EMERGENCY OVERFLOW), THE PUMP MUST BE STOPPED WHILE THE STRUCTURE DRAINS DOWN TO

THE ELEVATION OF THE WET STORAGE. 1.5. THE WET STORAGE PIT MAY BE DEWATERED ONLY AFTER A MINIMUM OF 6 HOURS OF SEDIMENT SETTLING TIME. THIS EFFLUENT SHOULD BE PUMPED ACROSS A WELL-VEGETATED AREA OR THROUGH A SILT FENCE PRIOR TO ENTERING A WATERCOURSE

1.6. ONCE THE DEVICE HAS BEEN REMOVED, GROUND CONTOURS SHALL BE RETURNED TO ORIGINAL CONDITION.

2. PUMPING WATER THROUGH A GEOTEXTILE BAG MADE SPECIFICALLY FOR THIS PURPOSE. 2.1. THE BAG SHALL BE INSTALLED ON A VERY SLIGHT SLOPE SO INCOMING WATER FLOWS

DOWNHILL THROUGH THE BAG WITHOUT CREATING MORE EROSION. 2.2. THE INLET OPENING OF THE DEWATERING DEVICE SHALL HAVE A FILL SPOUT LARGE ENOUGH TO ACCOMMODATE THE DISCHARGE HOSE AND SHALL USE TWO STAINLESS STEEL STRAPS TO SECURE THE HOSE AND PREVENT PUMPED WATER FROM ESCAPING WITHOUT BEING FILTERED

PASS WATER AT A REASONABLE RATE.

BLANKET EDGES STAPLED

AND OVERLAPPED

MUST MAINTAIN GOOD

SOIL CONTACT

NOTES:

(4 IN. MIN.)

2.3. THE BAG SHOULD BE PLACED ON AN AGGREGATE OR HAY BALE BED TO MAXIMIZE WATER FLOW THROUGH THE ENTIRE SURFACE AREA OF THE BAG. 2.4. THE FILTER BAG IS FULL WHEN IT NO LONGER CAN EFFICIENTLY FILTER SEDIMENT OR

SEDIMENT DISCHARGED INTO THE DEWATERING DEVICE. THE TYPE OF GROUND, ROCK. OR OTHER SUBSTANCE UNDER THE BAG AND THE DEGREE OF THE SLOPE ON WHICH THE BAG LIES. THE FILTER BAG SHOULD BE SIZED TO ACCOMMODATE THE ANTICIPATED FLOW RATES FROM THE TYPE OF PUMP USED. IN ALL CASES FOLLOW THE MANUFACTURERS RECOMMENDATIONS FOR PUMPING FLOW RATES. 2.6. THE FILTER BAG CAN BE LEFT IN PLACE AFTER CUTTING THE TOP OFF AND SEEDING AND

MULCHING THE ACCUMULATED SEDIMENT OR REMOVED AND DISPOSED OF OFFSITE IN

3. A WELL-VEGETATIVE FILTER STRIP, CAPABLE OF WITHSTANDING THE VELOCITY OF DISCHARGED WATER WITHOUT ERODING, INCLUDING THE INSTALLATION OF ENERGY DISSIPATION (HAYBALES, RIPRAP OR SHEET OF PLYWOOD) AT THE PUMP DISCHARGE. SUCH OTHER METHODS AS MAY BE APPROVED BY THE LOCAL GOVERNING AUTHORITY.

4. REGARDLESS OF THE TYPE OF TREATMENT, ALWAYS USE A FLOATING SUCTION HOSE TO PUMP THE CLEANER WATER FROM THE TOP OF THE POND. AS THE CLEANER WATER IS PUMPED, THE SUCTION HOSE WILL LOWER AND EVENTUALLY ENCOUNTER SEDIMENT-LADEN WATER. AT THIS POINT CEASE PUMPING OPERATIONS AND REMOVE THE REMAINDER OF THE TRAPPED SEDIMENT WITH MACHINERY, EVEN WHEN PUMPING FROM THE TOP OF THE WATER COLUMN. PROVISIONS MUST STILL BE MADE TO FILTER WATER AS REQUIRED IN THIS SECTION PRIOR TO DISCHARGING TO A STREAM. DURING THE DEWATERING, PERSONNEL SHOULD BE ASSIGNED TO MONITOR PUMPING OPERATIONS AT ALL TIMES TO ENSURE THAT SEDIMENT POLLUTION IS ABATED. PUMPING SEDIMENT-LADEN WATER INTO THE WATERS OF THE STATE WITHOUT FILTRATION IS PROHIBITED.

5. THE DEWATERING DEVICE MUST BE SIZED (AND OPERATED) TO ALLOW PUMPED WATER TO FLOW THROUGH THE FILTERING APPARATUS WITHOUT EXCEEDING THE CAPACITY OF THE TEMPORARY SEDIMENT BASIN CONSTRUCTION . WORK SHALL CONSIST OF INSTALLATION, MAINTENANCE AND REMOVAL OF ALL SEDIMENT BASINS AT THE LOCATIONS DESIGNATED ON THE PLANS.

THE NECESSARY ACTIVITIES BELOW. 2. SEDIMENT BASINS SHALL BE CONSTRUCTED AND OPERATIONAL BEFORE UPSLOPE LAND DISTURBANCE BEGINS.

3. ALL TEMPORARY SEDIMENT BASIN SIZING INCLUDING, BUT NOT LIMITED TO, SEDIMENT STORAGE VOLUMES, DEWATERING VOLUMES, EMBANKMENTS, SKIMMER CAPACITY, SPILLWAY

CAPACITIES, AND OUTLET PIPE CAPACITIES SHALL BE CONSTRUCTED AS SHOWN ON DRAWINGS AND IN ACCORDANCE WITH LOCAL GOVERNING AUTHORITY AND CURRENT STATE'S 4. THE AREA UNDER THE EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY

VEGETATION AND ROOT MATERIAL. THE POOL AREA SHALL BE CLEARED AS NEEDED TO FACILITATE SEDIMENT CLEANOUT. THE SURFACE OF THE FOUNDATION AREA WILL BE THOROUGHLY SCARIFIED BEFORE PLACEMENT OF THE EMBANKMENT MATERIAL.

5. THE FILL MATERIAL SHALL BE FREE OF ALL SOD, ROOTS, FROZEN SOIL, STONES OVER 6 IN. IN DIAMETER, AND OTHER OBJECTIONABLE MATERIAL. THE PLACING AND SPREADING OF THE FILL MATERIAL SHALL BE STARTED AT THE LOWEST POINT OF THE FOUNDATION AND THE FILL SHALL BE BROUGHT UP IN APPROXIMATELY 6 IN. HORIZONTAL LAYERS OR OF SUCH THICKNESS THAT THE REQUIRED COMPACTION CAN BE OBTAINED WITH THE EQUIPMENT USED. SPECIAL EQUIPMENT SHALL BE USED WHEN THE REQUIRED COMPACTION CANNOT BE OBTAINED WITHOUT IT. CONSTRUCTION SHALL NOT BE PERMITTED IF EITHER THE EARTH FILL OR COMPACTION SURFACE IS FROZEN.

6. THE RISER PIPE (IF APPLICABLE) SHALL BE SET A MINIMUM OF 6 IN. IN THE CONCRETE BASE.

7. THE TOP OF THE RISER SHALL BE FITTED WITH TRASH RACKS (IF APPLICABLE) FIRMLY FASTENED TO THE RISER PIPE.

EPA REQUIREMENTS.

8. THE SEDIMENT BASIN SHALL BE STABILIZED IMMEDIATELY FOLLOWING ITS CONSTRUCTION. IN NO CASE SHALL THE EMBANKMENT OR EMERGENCY SPILLWAY REMAIN BARE FOR MORE THAN

9. WARNING SIGNS AND SAFETY PRACTICES SHALL BE PLACED AROUND THE BASINS AND MAINTAINED OVER THE LIFE OF THE PRACTICE.

10. SEDIMENT BASINS SHALL BE REMOVED AFTER THE UPSTREAM DRAINAGE AREA IS STABILIZED OR AS INDICATED IN THE PLANS, DEWATERING AND REMOVAL SHALL NOT CAUSE SEDIMENT TO BE DISCHARGED. THE SEDIMENT BASIN SITE AND SEDIMENT REMOVED FROM THE BASIN SHALL BE STABILIZED.

8. WARNING SIGNS AND SAFETY PRACTICES SHALL BE PLACED AROUND THE BASINS AND MAINTAINED OVER THE LIFE OF THE PRACTICE.

9. AFTER ALL SEDIMENT PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, THE STRUCTURE AND ALL ASSOCIATED SEDIMENT SHALL BE REMOVED. STABILE EARTH MATERIALS SHALL BE PLACED IN THE SEDIMENT TRAP AREA AND COMPACTED. THE AREA SHALL BE GRADED TO BLEND IN WITH ADJOINING LAND SURFACES AND HAVE POSITIVE DRAINAGE. THE AREA SHALL BE IMMEDIATELY SEEDED.

TEMPORARY SEDIMENT BASIN MAINTENANCE 1. THE CAPACITY AND FUNCTION OF THE SEDIMENT TRAP AND / OR BASIN SHALL BE MAINTAINED BY INSPECTING ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT, AND BY PERFORMING

2. INSPECT THE POOL AREA, EMBANKMENT AND SPILLWAY AREA FOR BURROWING RODENTS,

SLOPE FAILURE, SEEPAGE, EXCESS SETTLEMENT, AND DISPLACED STONE. THE AREA SHOULD BE INSPECTED FOR STRUCTURAL SOUNDNESS AND REPAIRED AS NEEDED.

3. REMOVE UNDESIRABLE VEGETATION PERIODICALLY TO PREVENT GROWTH OF TREES AND SHRUBS ON THE EMBANKMENT AND SPILLWAY AREAS.

4. REGULARLY INSPECT WATER DISCHARGED FROM A TRAP FOR EXCESS SUSPENDED SEDIMENTS, IDENTIFY AND PERFORM NECESSARY REPAIRS TO IMPROVE WATER QUALITY. EXCESSIVE SUSPENDED SEDIMENTS MAY REQUIRE DESIGN MODIFICATIONS OR TREATMENT WITH FLOCCULATES.

5. REMOVE TRASH AND DEBRIS THAT ACCUMULATE IN THE POND AND HAVE POTENTIAL TO BLOCK SPILLWAYS.

6. DEWATERING OUTLETS SHALL BE REGULARLY CHECKED TO ENSURE THAT PERFORMANCE IS MAINTAINED. FILTER STONE CHOKED WITH SEDIMENT SHALL BE REMOVED AND REPLACED TO RESTORE ITS FLOW CAPACITY.

7. CHECK SPILLWAY OUTLETS AND POINTS OF INFLOW TO ENSURE DRAINAGE IS NOT CAUSING EROSION AND THAT OUTLETS ARE NOT CLOGGED. REPLACE DISPLACED RIPRAP IMMEDIATELY.

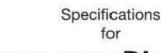
8. REMOVE SEDIMENT AND RESTORE THE SEDIMENT TRAP TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO THE TOP OF THE DESIGNATED CLEANOUT ELEVATION. THIS ELEVATION SHALL BE SIGNIFIED BY THE TOP OF A STAKE NEAR THE CENTER OF THE TRAP. REMOVING SEDIMENT BY HAND MAY BE NECESSARY ADJACENT TO THE OUTLET SECTION OF THE EMBANKMENT TO PREVENT EQUIPMENT DAMAGE. PLACE THE REMOVED SEDIMENT AND STABILIZE WITH VEGETATION IN A DESIGNATED AREA WHERE IT WILL NOT EASILY ERODE AGAIN. RESTORE TRAP TO ITS ORIGINAL DIMENSIONS AND REPLACE STONE AS NEEDED ON THE OUTLET.

AFTER THE ENTIRE CONSTRUCTION PROJECT IS COMPLETED. TEMPORARY SEDIMENT BASINS AND TRAPS SHOULD BE DEWATERED AND REGRADED TO CONFORM TO THE CONTOURS OF THE AREA. ALL TEMPORARY STRUCTURES SHOULD BE REMOVED AND THE AREA SEEDED. MULCHED AND STABILIZED AS NECESSARY

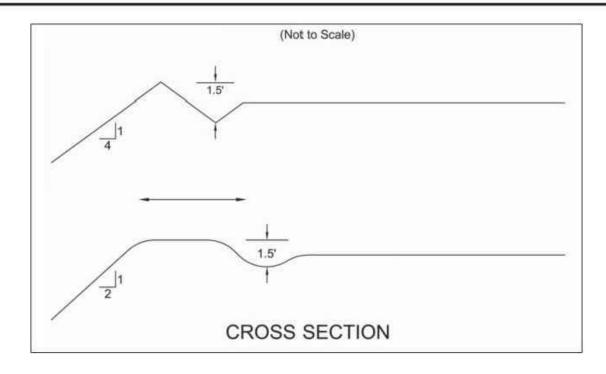
9.1. NOTE THAT THE SEDIMENT TRAP/BASIN SHALL BE FILLED AND GRADED AS SHOWN ON THE GRADING PLAN FOLLOWING THE STABILIZATION OF THE SITE. PRIOR TO SEDIMENT TRAP/BASIN CONVERSION, PUMP ALL STANDING WATER FROM WITHIN THE TRAP/BASIN PER DEWATERING NOTES OR OTHER CURRENT STATE EPA APPROVED METHOD EQUALLY ACCEPTED FOR A DEWATERING OPERATIONS. REMOVE AND DISPOSE OF ALL UNSUITABLE SEDIMENT MATERIALS ACCUMULATED WITHIN THE

TRAP/BASIN PRIOR TO PLACEMENT OF COMPACTED SOIL. 9.3. COMPLETE EARTHWORK WITHIN TRAP/BASIN TO BRING ELEVATIONS TO FINAL GRADE AS SHOWN ON SITE PLANS.

This detail has not been reviewed by the stamping party. Therefore, the stamping party makes no representation(s) with respect to its contents, and shall not be liable for such. This detail is for reference only. Any reliance on this detail shall be at the relying party(ies)'s own risk and hereby waives any and all claim(s) related to the existence of the stamp or otherwise.



Temporary Diversion



 Drainage area should not exceed 10 acres. Larger areas
 The grade may be variable depending upon the topograrequire a more extensive design.

The channel cross section may be parabolic or trapezoi dal. Disk the base of the dike before placing fill. Build the dike 10% higher than designed for settlement. The dike shall be compacted by traversing with tracked earth-moving equipment.

3. The minimum cross section of the levee or dike will be as follows: (Minimum design freeboard shall be 0.3 foot.) Where construction traffic will cross, the top width may be made wider and the side slopes flatter than specified

Dike Top Width (ft.) Height (ft.) Side Slopes Shape 0 1.5 4.1 Trapezoidal 4 1.5 2.1 Parabolic

phy, but must have a positive drainage to the outlet and be stabilized to be non-erosive.

Temporary Diversion Stabilization Treatment 2 - 5 ac. 5 - 10 ac. Diversion < 2 ac. Seed and Straw Matting Seed and Straw Matting Seed and Straw Matting Note: Diversions with steeper slopes or greater drainage areas are beyond the scope of this standard and must be designed for stability. Seed, straw and matting used shall meet the Specifications for Temporary Seeding, Mulching and Matting. 5. Outlet runoff onto a stabilized area, into a properly

ment trapping facility. Diversions shall be seeded and mulched in accordance with the requirements in practice standards TEMPORARY SEEDING (or PERMANENT SEEDING) and MULCHING as soon as they are constructed or other suitable stabiliza-

tion in order to preserve dike height and reduce

maintenance.

designed waterway, grade stabilization structure, or sedi-

CHAPTER 5 Temporary Runoff Control 13

TEMPORARY DIVERSION SWALE

520 South Main Street, Suite 253

pyright; Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 202

330.572.2100 Fax 330.572.210

Akron, OH 4431

ISSUED FOR: PERMIT CONSTRUCTION

DESIGNER

2020117.13

RECORD

PROJECT MANAGER

EROSION CONTROL BLANKET

LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL, DO NOT STRETCH BLANKET.

THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

DOWNSLOPE BLANKET (SHINGLE STYLE)

SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING

BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET

BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS

ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED

INSTALL BEGINNING OF ROLL IN

PREPARE SEED BED

BLANKET INSTALLATION

(INCLUDING APPLICATION OF LIME

FERTILIZER AND SEED) PRIOR TO

REFER TO MANUF. RECOMMENDED

AND LENGTH OF SLOPE BEING

BLANKETED

STAPLING PATTERN FOR STEEPNESS

6 IN. x 6 IN. ANCHOR TRENCH,

STAPLE, BACKFILL AND

COMPACT SOIL

STARTING AT TOP OF SLOPE, ROLL BLANKETS IN DIRECTION

OF WATER FLOW

THE BLANKET SHOULD — OVERLAP BLANKET ENDS 6 IN. MIN. WITH—

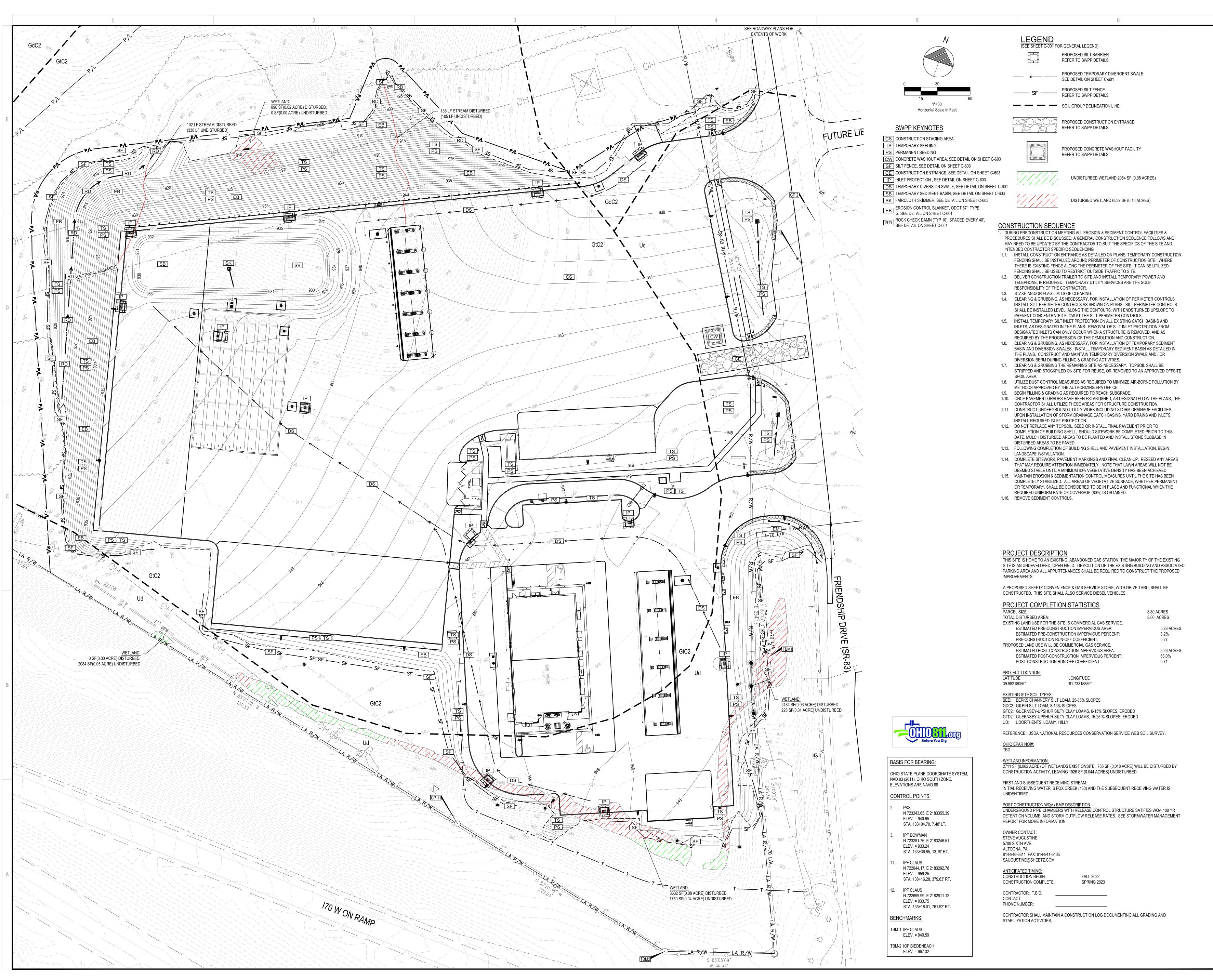
NOT BE STRETCHED; IT THE UPSLOPE BLANKED OVERLYING THE

SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.

BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

STAPLE SECURELY.

PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.



GPD GROUP
Glaus, Pyle, Schomer, Burns & DeHaven, In

520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101 opyright; Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 2021

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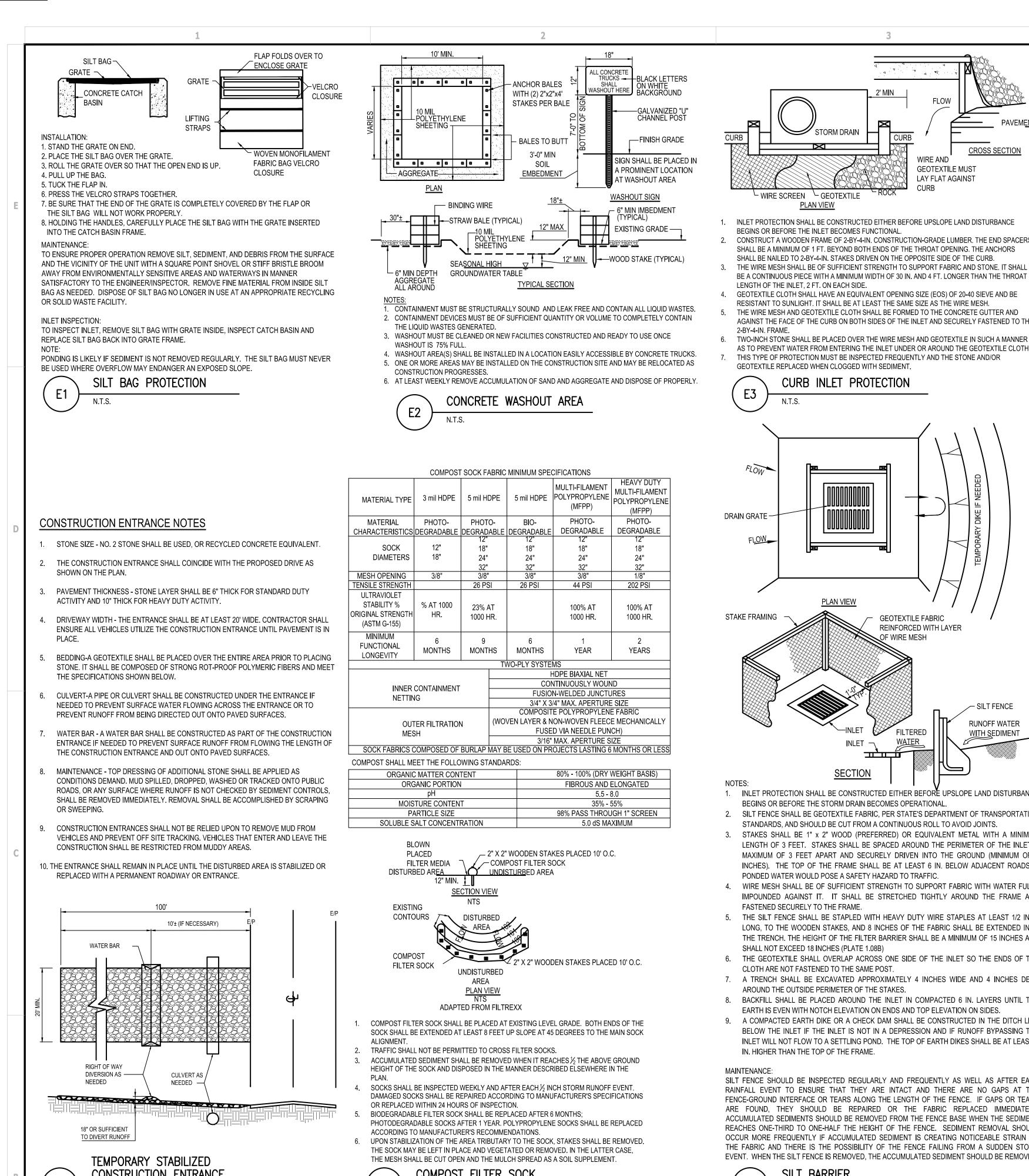
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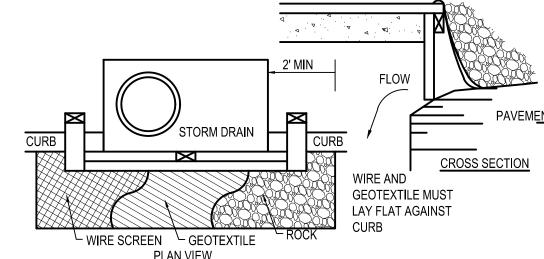
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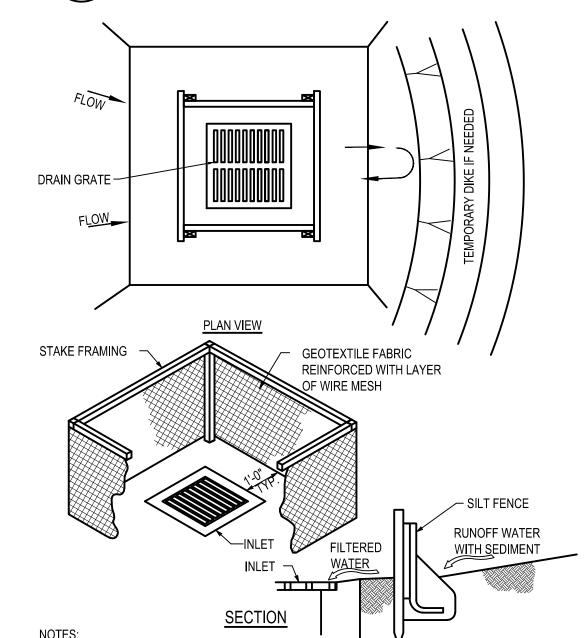


INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE INLET BECOMES FUNCTIONAL. CONSTRUCT A WOODEN FRAME OF 2-BY-4-IN. CONSTRUCTION-GRADE LUMBER. THE END SPACERS SHALL BE A MINIMUM OF 1 FT. BEYOND BOTH ENDS OF THE THROAT OPENING. THE ANCHORS SHALL BE NAILED TO 2-BY-4-IN. STAKES DRIVEN ON THE OPPOSITE SIDE OF THE CURB. THE WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC AND STONE. IT SHALL

LENGTH OF THE INLET, 2 FT. ON EACH SIDE. 4. GEOTEXTILE CLOTH SHALL HAVE AN EQUIVALENT OPENING SIZE (EOS) OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE AT LEAST THE SAME SIZE AS THE WIRE MESH. THE WIRE MESH AND GEOTEXTILE CLOTH SHALL BE FORMED TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET AND SECURELY FASTENED TO THE

TWO-INCH STONE SHALL BE PLACED OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER AS TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE CLOTH. THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE STONE AND/OR

GEOTEXTILE REPLACED WHEN CLOGGED WITH SEDIMENT.



 INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL. 2. SILT FENCE SHALL BE GEOTEXTILE FABRIC, PER STATE'S DEPARTMENT OF TRANSPORTATION

STANDARDS, AND SHOULD BE CUT FROM A CONTINUOUS ROLL TO AVOID JOINTS. 3. STAKES SHALL BE 1" x 2" WOOD (PREFERRED) OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET. STAKES SHALL BE SPACED AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3 FEET APART AND SECURELY DRIVEN INTO THE GROUND (MINIMUM OF 8 INCHES). THE TOP OF THE FRAME SHALL BE AT LEAST 6 IN. BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.

4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.

5. THE SILT FENCE SHALL BE STAPLED WITH HEAVY DUTY WIRE STAPLES AT LEAST 1/2 INCH LONG, TO THE WOODEN STAKES, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE HEIGHT OF THE FILTER BARRIER SHALL BE A MINIMUM OF 15 INCHES AND SHALL NOT EXCEED 18 INCHES (PLATE 1.08B)

6. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST. 7. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 4 INCHES DEEP AROUND THE OUTSIDE PERIMETER OF THE STAKES.

8. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6 IN. LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES. 9. A COMPACTED EARTH DIKE OR A CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION AND IF RUNOFF BYPASSING THE INLET WILL NOT FLOW TO A SETTLING POND. THE TOP OF EARTH DIKES SHALL BE AT LEAST 6

MAINTENANCE: SILT FENCE SHOULD BE INSPECTED REGULARLY AND FREQUENTLY AS WELL AS AFTER EACH RAINFALL EVENT TO ENSURE THAT THEY ARE INTACT AND THERE ARE NO GAPS AT THE FENCE-GROUND INTERFACE OR TEARS ALONG THE LENGTH OF THE FENCE. IF GAPS OR TEARS ARE FOUND, THEY SHOULD BE REPAIRED OR THE FABRIC REPLACED IMMEDIATELY ACCUMULATED SEDIMENTS SHOULD BE REMOVED FROM THE FENCE BASE WHEN THE SEDIMENT REACHES ONE-THIRD TO ONE-HALF THE HEIGHT OF THE FENCE. SEDIMENT REMOVAL SHOULD OCCUR MORE FREQUENTLY IF ACCUMULATED SEDIMENT IS CREATING NOTICEABLE STRAIN ON THE FABRIC AND THERE IS THE POSSIBILITY OF THE FENCE FAILING FROM A SUDDEN STORM EVENT. WHEN THE SILT FENCE IS REMOVED, THE ACCUMULATED SEDIMENT SHOULD BE REMOVED.

IN. HIGHER THAN THE TOP OF THE FRAME.

1) SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.

2) ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.

3) TO PREVENT WATER PONDED BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END SHALL BE CONSTRUCTED UPSLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.

4) WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE. 5) WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FT. (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.

6) THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 IN. ABOVE THE ORIGINAL GROUND SURFACE.

7) THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH OVERLAP, AND SECURELY SEALED.

8) POSTS SHALL BE A MINIMUM OF 5 FEET LONG, 2 INCHES IN DIAMETER AND SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND. WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.

9) THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE DEVICE WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.

10) THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8 IN. OF CLOTH ARE BELOW THE GROUND SURFACE, EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6 IN. DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.

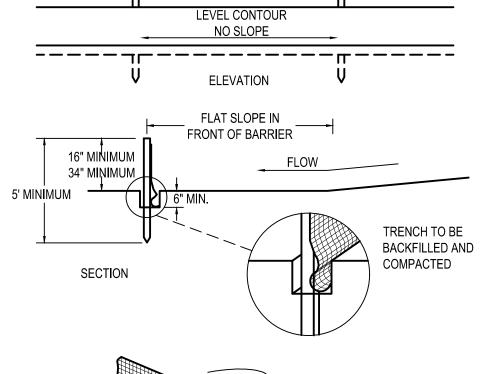
11) WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS. 12) THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE,

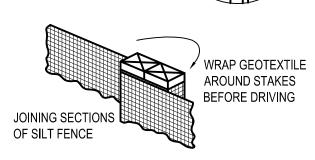
AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.

13) SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.

14) SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: A) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, B) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR C) OTHER PRACTICES SHALL BE INSTALLED.

SILT FENCE SHOULD BE INSPECTED REGULARLY AND FREQUENTLY AS WELL AS AFTER EACH RAINFALL EVENT TO ENSURE THAT THEY ARE INTACT AND THERE ARE NO GAPS AT THE FENCE-GROUND INTERFACE OR TEARS ALONG THE LENGTH OF THE FENCE. IF GAPS OR TEARS ARE FOUND, THEY SHOULD BE REPAIRED OR THE FABRIC REPLACED IMMEDIATELY. ACCUMULATED SEDIMENTS SHOULD BE REMOVED FROM THE FENCE BASE WHEN THE SEDIMENT REACHES ONE-THIRD TO ONE-HALF THE HEIGHT OF THE FENCE. SEDIMENT REMOVAL SHOULD OCCUR MORE FREQUENTLY IF ACCUMULATED SEDIMENT IS CREATING NOTICEABLE STRAIN ON THE FABRIC AND THERE IS THE POSSIBILITY OF THE FENCE FAILING FROM A SUDDEN STORM EVENT. WHEN THE SILT FENCE IS REMOVED, THE ACCUMULATED SEDIMENT SHOULD BE REMOVED.





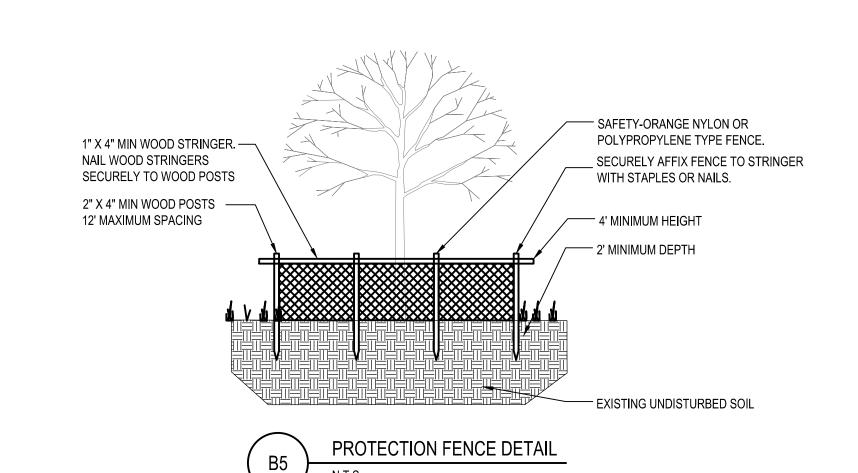
| CRITERIA FOR GEOTEXTILE FABRIC SILT FENCE, PER CURRENT STATE'S DOT SPECIFICATIONS | | | | | |
|---|-----------------|-------------|--|--|--|
| FABRIC PROPERTIES | VALUES | TEST METHOD | | | |
| MINIMUM TENSILE STRENGTH | 120 LB. MINIMUM | ASTM D 4632 | | | |
| MINIMUM BURST STRENGTH | 200 PSI MINIMUM | | | | |
| MINIMUM PERMITTNITY | 1x10-2sec-1 | ASTM D 4491 | | | |
| APPARENT OPENING SIZE | AOS ≤ 0.84 mm | ASTM D 4751 | | | |
| UV EXPOSURE STRENGTH RETENTIOL | 70% | ASTM G 4335 | | | |
| MAXIMUM ELONGATION AT 60 LBS. | 50% | ASTM D 4632 | | | |
| MINIMUM PUNCTURE STRENGTH | 50 LBS (220N) | ASTM D 4833 | | | |
| MINIMUM TEAR STRENGTH | 40 LBS (180N) | ASTM D 4533 | | | |
| CILT FENOE | | | | | |

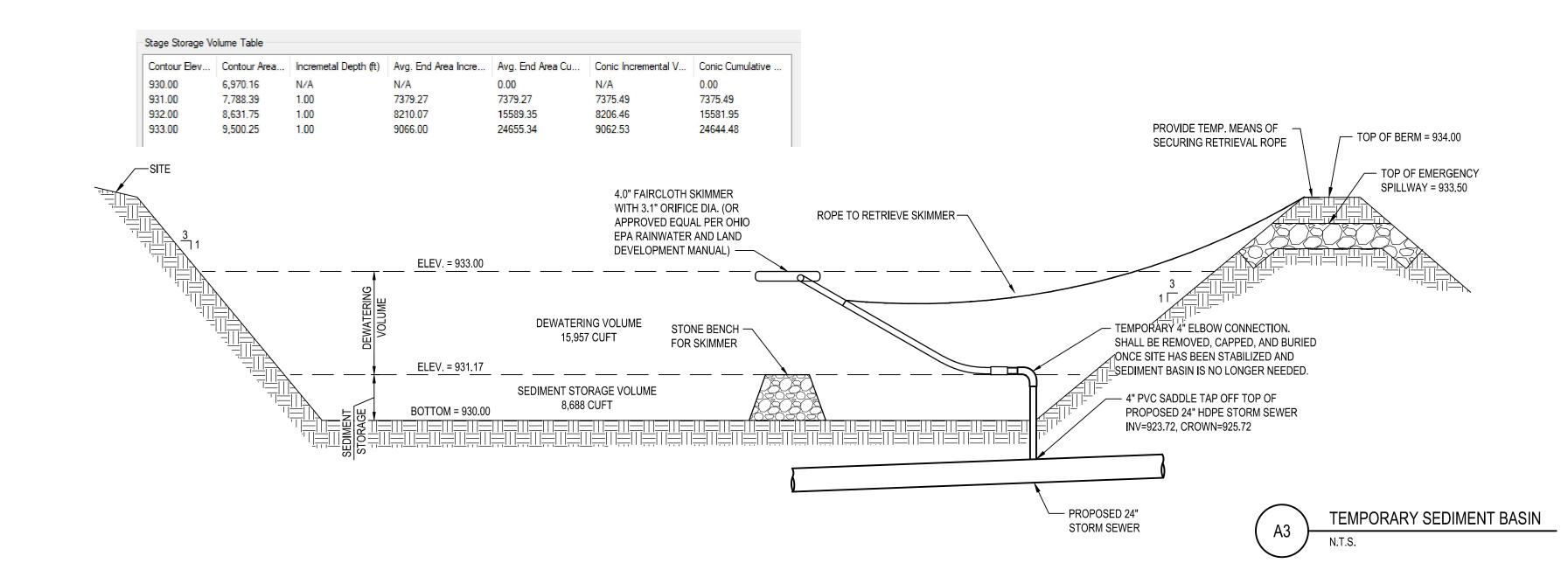
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GRADING AND STABILIZATION





TEMPORARY SEDIMENT BASIN DESIGN DATA DRAINAGE AREA (AC) DISTURBED AREA (AC) SEDIMENT STORAGE REQUIRED (CF) DEWATERING VOLUME REQUIRED (CF) SEDIMENT STORAGE PROVIDED (CF) DEWATERING VOLUME PROVIDED (CF)

1. AFTER SITE STABILIZATION, CONTRACTOR SHALL MEET DESIGN GRADES FOR EXTENDED WET DETENTION BASIN AS SHOWN ON PLAN.

2. SKIMMER AND STONE BENCH SHALL BE REMOVED PRIOR TO FINAL GRADING FOR EXTENDED WET DETENTION PONDS.

TEMPORARY SEDIMENT BASIN DESIGN NOTES

- 1. CONTRACTOR IS RESPONSIBLE FOR PROVIDING REQUIRED SEDIMENT STORAGE AND DEWATERING VOLUME AS PROVIDED IN TABLE WITHIN THE AREAS OF THE EXTENDED WET DETENTION PONDS.
- 2. CONTRACTOR SHALL PROVIDE A SKIMMER DEVICE (FAIRCLOTH SKIMMER OR EQUIVALENT) TO PROVIDE A MINIMUM DRAWDOWN TIME OF 48 HOURS AND A MAXIMUM DRAWDOWN TIME OF 168 HOURS.
- 3. CONTRACTOR SHALL PROVIDE A CLEANOUT STAKE NEAR THE CENTER OF THE SEDIMENT BASIN MARKED WITH AN ELEVATION EQUAL TO HALF OF THE SEDIMENT STORAGE VOLUME TO INDICATE WHEN ACCUMULATED SEDIMENT SHOULD BE REMOVED FROM THE SEDIMENT BASIN.
- 4. THE DEPTH OF THE DEWATERING VOLUME SHALL BE NO LESS THAN THREE (2.5) FEET AND NO GREATER THAN FIVE (4) FEET IN ORDER TO ACHIEVE OPTIMUM SEDIMENT SETTLEMENT.
- 5. CONTRACTOR SHALL REFER TO THE OHIO EPA RAINWATER AND LAND DEVELOPMENT MANUAL CHAPTER 6, SECTION 1 SEDIMENT BASINS FOR ADDITIONAL INFORMATION.

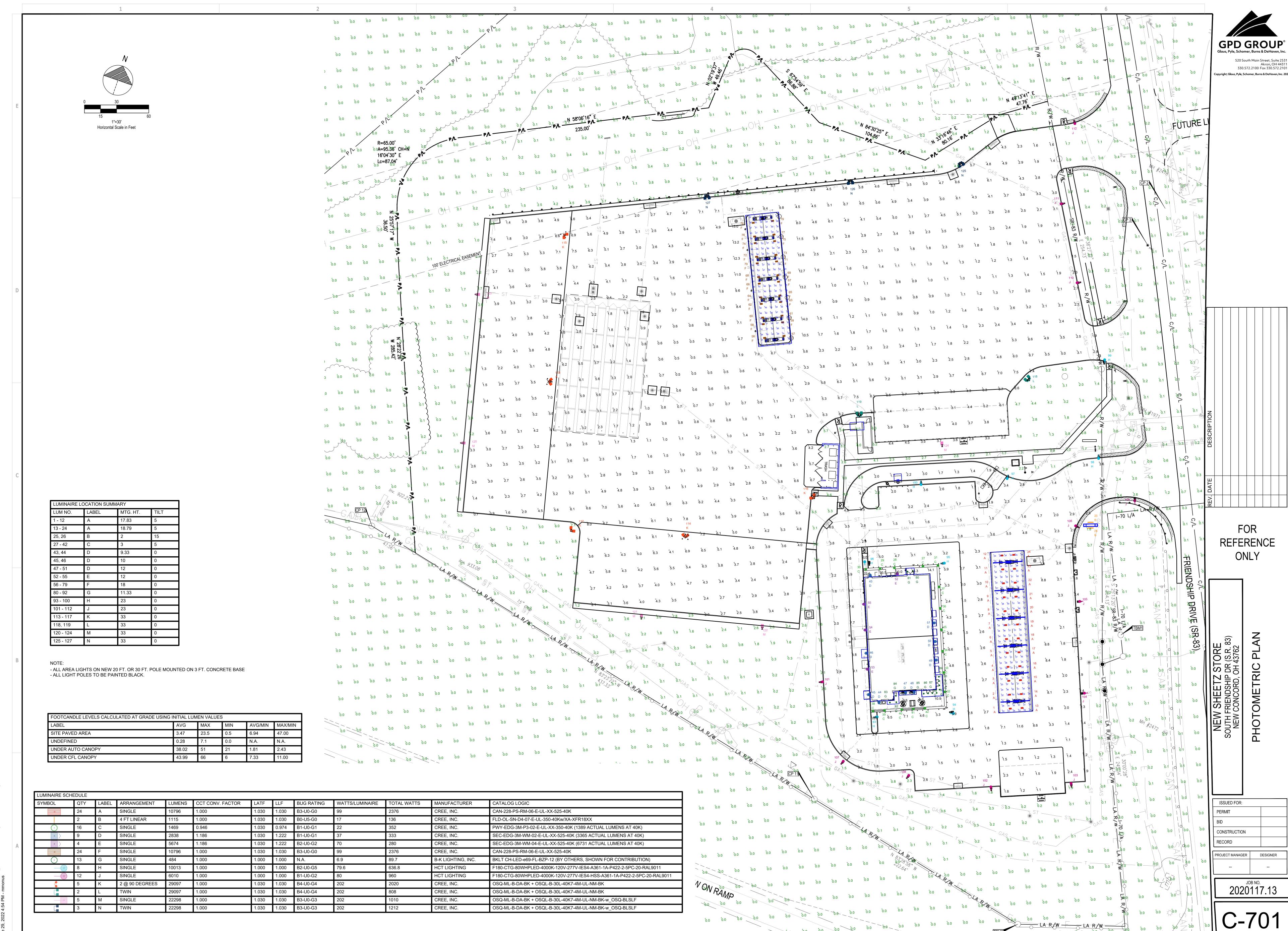
520 South Main Street, Suite 253 Akron, OH 4431 330.572.2100 Fax 330.572.210 ppyright; Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 202

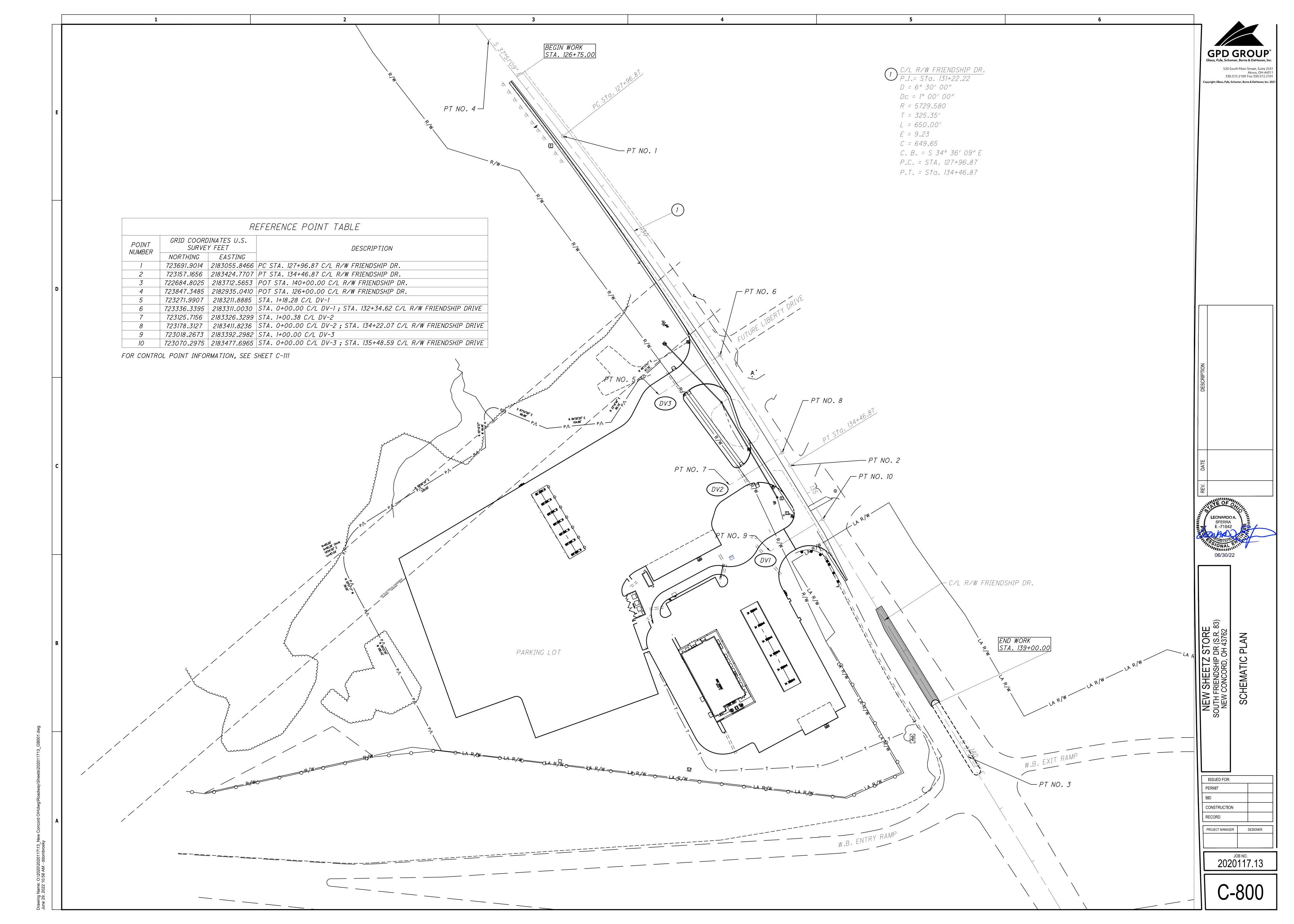
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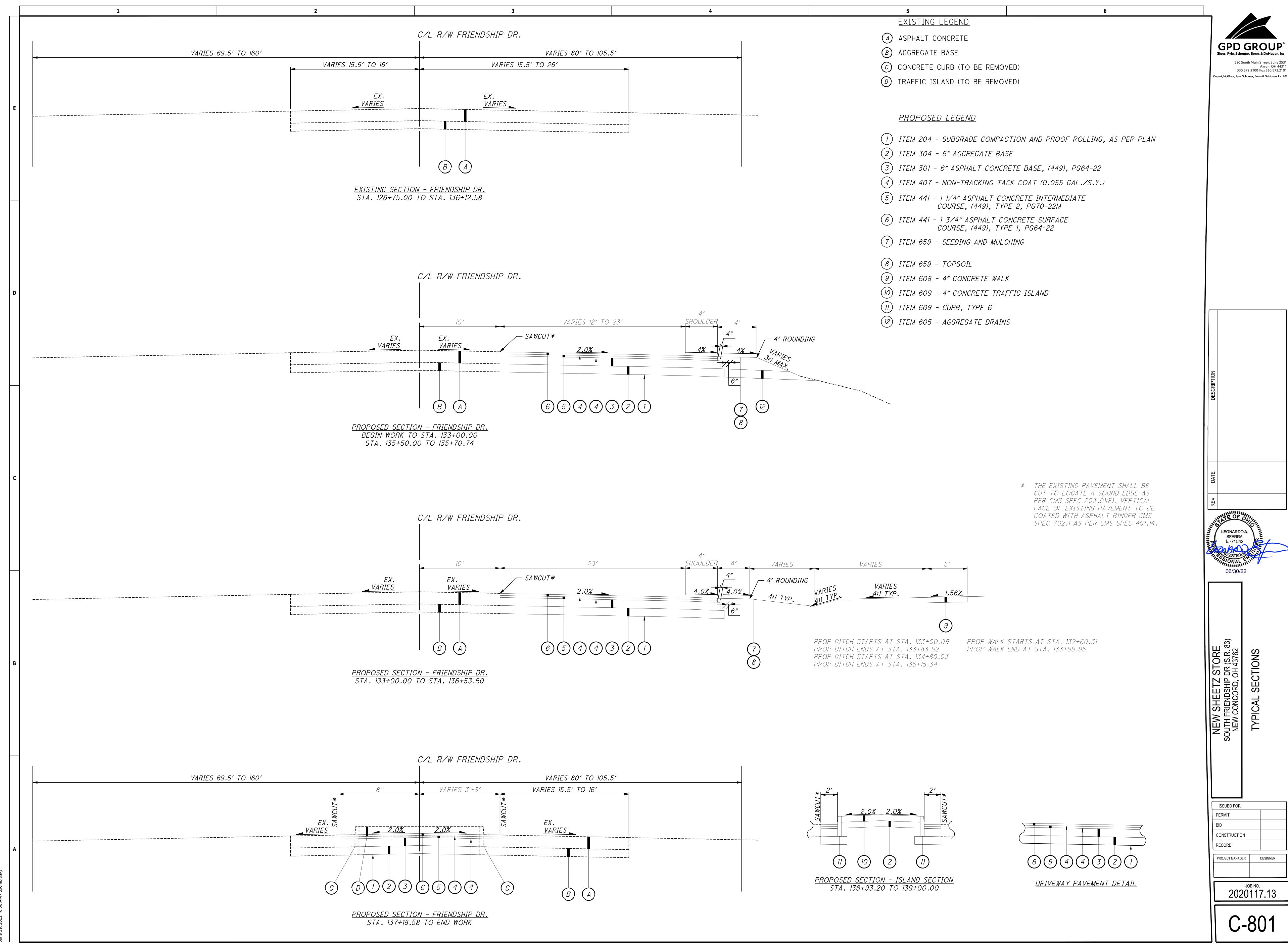
DESIGNER

2020117.13

PROJECT MANAGER







520 South Main Street, Suite 253 Akron, OH 4431² 330.572.2100 Fax 330.572.210²

ISSUED FOR: CONSTRUCTION

2020117.13

DESIGNER

UNLESS MODIFIED BY THE PROJECT SPECIFICATION, PLAN NOTES, PLAN DETAILS, OR REQUIREMENTS BY STARK COUNTY, ROADWAY CONSTRUCTION MATERIALS AND PROCEDURES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION (ODOT), CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS), EXCLUDING SECTIONS, 102, 103, 104, 107.21, 108, AND 109. WHERE CONFLICTS OCCUR, THE PROJECT ENGINEER SHALL DETERMINE THE GOVERNING AUTHORITY.

THE STATE OF OHIO DOT CMS (2019) SHALL BE INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS AND SHALL GOVERN THIS PROJECT EXCEPT AS MODIFIED HEREIN BY SPECIFICATIONS, PLAN NOTES, DETAILS, OR AS DESIGNATED BY THE OWNER OR ENGINEER. ALL REFERENCES TO "DEPARTMENT" WITHIN THE ODOT CMS SHALL MEAN THE "OWNER"

COPIES OF THE ODOT CMS MAY BE PURCHASED BY CONTACTING:

000

OFFICE OF CONTRACTS

P.O. BOX 899 COLUMBUS, OH 43216-0899

TELEPHONE: 614-466-3778 OR 614-466-3200

THE CONTRACTOR SHALL KEEP A CURRENT COPY OF THE CMS ON SITE.

THE LATEST EDITION OF THE "AMERICAN SOCIETY OF TESTING MATERIALS", "AMERICAN NATIONAL STANDARDS INSTITUTE, INC." AND AMERICAN WATER WORKS ASSOCIATION SPECIFICATIONS, INCLUDING ALL GENERAL PROVISIONS CONTAINED THEREIN, SHALL BE INCLUDED IN THIS PROJECT UNLESS SPECIFICALLY AMENDED HEREINAFTER. ALL REFERENCES TO "A.S.T.M." OR "ASTM", "A.N.S.I." OR "A.W.W.A" SPECIFICATIONS SHOWN HEREIN REFER TO ITEMS IN SAID SPECIFICATIONS.

THE WORK UNDER THE CONTRACT FOR THIS PROJECT SHALL INCLUDE THE FURNISHING OF ALL MATERIAL, LABOR, SUPERINTENDENCE, TOOLS, EQUIPMENT, AND SERVICES FOR AND INCIDENTAL TO THE IMPROVEMENTS PROPOSED BY THIS CONTRACT AS SPECIFIED HEREIN.

ROADWAY

ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING, AS PER PLAN

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

- 1. SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.
- 2. EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO 204.05.
- IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.
- 3. COMPACT THE SUBGRADE ACCORDING TO 204.03.
- 4. PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO 204.06.
- 5. EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH ODOT ITEM 304 LIMESTONE ON A TENSAR TX-140 GRID. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.
- 6. PROOF ROLL THE STABILIZED AREAS ACCORDING TO 204.06 TO VERIFY STABILITY.
- 7. FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

UTILITIES THE CONTR

THE CONTRACTOR SHALL NOTIFY THE OHIO UTILITIES PROTECTION SERVICE (OUPS) AND THE OHIO OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE (OGPUPS) AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION IN ALL AREAS.

BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN SECTION 203.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS). NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF SECTION 203.05

STANDARD CONSTRUCTION DRAWINGS

THE CONTRACTOR SHALL USE THE THE FOLLOWING ODOT STANDARD CONSTRUCTION DRAWINGS AND SPECIFICATIONS:

| | BP-3.2 | 1-18-19 |
|---|---------|---------|
| | BP-4.1 | 7-19-13 |
| | BP-5.1 | 1-21-22 |
| | BP-7.1 | 1-21-22 |
| | MGS-1.1 | 7-16-21 |
| 3 | MGS-2.1 | 1-19-18 |
| | MGS-4.2 | 7-19-13 |
| | CB-2-2B | 7-16-21 |
| | DM-1.1 | 7-17-20 |
| | | |

ITEM 203 - EXCAVATION AND EMBANKMENT, AS PER PLAN

THE WORK SPECIFIED FOR THIS PAY ITEM CONSISTS OF THE EXCAVATION AND EMBANKMENT REQUIRED FOR THE PROPOSED IMPROVEMENTS. IT IS INTENDED THAT ALL EXCAVATION AND SHAPING NECESSARY FOR THE PREPARATION, CONSTRUCTION AND COMPLETION OF ALL EMBANKMENTS, SUBGRADES AND SLOPES IN ACCORDANCE WITH THE REQUIREMENTS SHOWN IN THE PLANS AND PER ODOT ITEM 203.

THE LUMP SUM QUANTITY FOR THIS ITEM SHALL INCLUDE ALL EXCAVATION, FILL, BORROW, GRADING AND ALL OTHER WORK SPECIFIED FOR THE COMPLETION OF THE PROPOSED WORK.

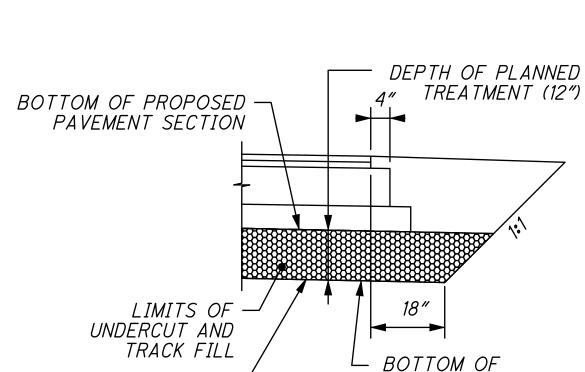
THE FOLLOWING ANTICIPATED VOLUME ARE PROVIDED FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY NECESSARY VOLUMES OF EARTHWORK TO COMPLETE THE PROPOSED IMPROVEMENTS.

| ITEM 203 - EXCAVATION | 1025 CY |
|-----------------------|---------|
| ITEM 203 - EMBANKMENT | 1000 CY |

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 659 - SEEDING AND MULCHING 1825 SY
ITEM 659 - TOPSOIL 201 CY



TEMPORARY CONSTRUCTION SUPPORT

TENSAR TX-140 GRID -

DURING CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING SIGNS, UTILITY POLES, AND OTHER MISCELLANEOUS ITEMS THAT ARE TO REMAIN ARE PROPERLY SUPPORTED TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL TAKE EXTREME CARE TO ENSURE THAT ALL SERVICES ARE MAINTAINED AT ALL TIMES.

UNDERCUT AND TRACK FILL DETAIL "A"

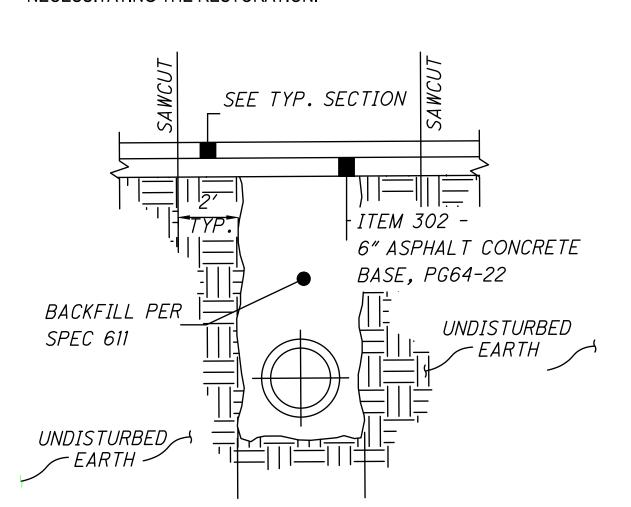
CURB RAMPS

ALL CURB RAMPS SHALL BE CONSTRUCTED PER ODOT SCD BP-7.1
AND ALL APPLICABLE STANDARDS AND SPECIFICATIONS.

PAVEMENT

PAVEMENT RESTORATION FOR PIPE INSTALLATIONS AND/OR REMOVALS

RESTORATION MATERIAL, LABOR, EQUIPMENT, AND INCIDENTAL COSTS SHALL BE INCLUDED IN THE UNIT COST FOR THE ITEM NECESSITATING THE RESTORATION.



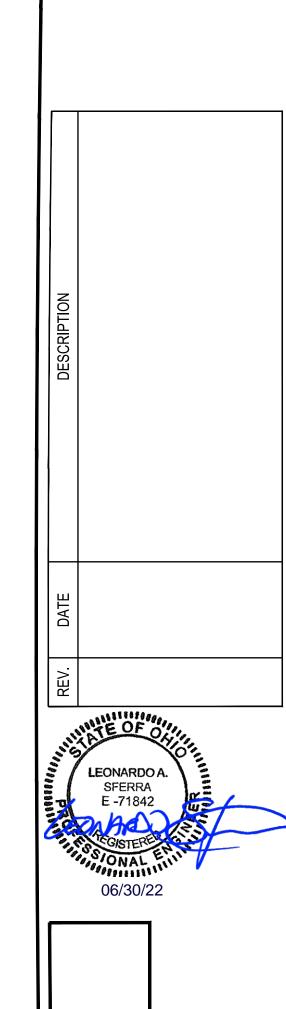
DRAINAGE

AGGREGATE DRAINS

AGGREGATE DRAINS SHALL BE PLACED AT 50 FOOT INTERVALS.



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ISSUED FOR:

CONSTRUCTION

PROJECT MANAGER

2020117.13

C-802

PERMIT

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|---------------|---|----------|----------|------------|--------|----------|---------|---|----------|----------|---|------------|----------------|----------------|-----------|--|------------------|
| C-802 | | C-812 | C-813 | C-814 | HEET N | NUMBI | ER I | | | | | ITEM | ITEM EXT. | GRAND TOTAL | UNIT | DESCRIPTION SEE NO. | т |
| - 002 | | 0 012 | 0 013 | C 014 | | | | | | | | | | IOIAL | | ROADWAY | Glaus, F |
| | | 271 | 240 | 169 304 | | | | | | | | 202 202 | 23000 30800 | 680 304 | | PAVEMENT REMOVED TRAFFIC ISLAND REMOVED | Copyright; (|
| LS | | | | | | | | | | | | 203 | _ | LS | | EXCAVATION AND EMBANKMENT, AS PER PLAN C-80 | 2 |
| | | 517 | 1450 | 760 | | | | | | | | 204 | _ | 2727 | SY | SUBGRADE COMPACTION AND PROOF ROLLING, AS PER PLAN C-80 | 2 |
| | | 300 | | | | | | | | | | 605 | 31100 | 300 | | AGGREGATE DRAINS | |
| | | | | 102 1 | | | | | | | | 606 606 | 15050 26500 | 102 | FT | GUARDRAIL, TYPE MGS ANCHOR ASSEMBLY, TYPE T | |
| | | | 868 | | | | | | | | | 608 | 10000 | 868 | | 4" CONCRETE WALK | |
| | | | 159 | | | | | | | | | 608 | 52000 | 159 | SF | CURB RAMP | |
| | | | 149 | 7 87 | | | | | | | | 609 609 | 50000 26000 | 7 236 | SY FT | 4" CONCRETE TRAFFIC ISLAND CURB, TYPE 6 | |
| D 1825 201 | | | | | | | | | | | | 659 659 | 10000 00300 | 1825 201 | | EROSION CONTROL SEEDING AND MULCHING TOPSOIL | |
| | | | 6 | 2 | | | | | | | | 601 | 32200 | 0 | | ROCK CHANNEL PROTECTION, TYPE C WITH FILTER | |
| | | | | | | | | | | | | 001 | 32200 | O O | <i>U1</i> | PAVEMENT | |
| | | 79 | 240 | 124 | | | | | | | | 301 | 46000 | 443 | CY | ASPHALT CONCRETE BASE, PG64-22 | |
| | | 82 | 242 | 126 | | | | | | | | 304 | 20000 | 450 | CY | AGGREGATE BASE | SCRIPTION |
| | | 72 | 227 | 119 | | | | | | | | 407 | 10000 | 418 | | TACK COAT | DESC |
| | | 19 19 | 59 59 | 31 | | | | | | | | 441 | 50000 50000 | 109 | CY | ASPHALT CONCRETE SURFACE COURSE, (448), TYPE 1, PG64-22 ASPHALT CONCRETE INTERMEDIATE COURSE, (448), TYPE 2, PG64-22 | |
| | | ,,, | | | | | | | | | | | | | | | |
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LEONARDO A.
SFERRA
E -71842

SOUTH FRIENDSHIP DR (S.R. 83)
NEW CONCORD, OH 43762
CENIEDAL CLIMMADY

ISSUED FOR:
PERMIT
BID
CONSTRUCTION

PROJECT MANAGER DESIGNER

2020117.13

C-810

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|----------|-------|-------|-------|-------|-------|--------------|-------|--------------|-------|-------------|-------------|----------|--|------------|----------------|--------------|--------------|--|-------|----------------------------|
| | | | | | S | SHEET NUMBER | | | | | | | | | ITEM G | GRAND | UNIT | DESCRIPTION | SEE | |
| C-803 | C-804 | C-805 | C-806 | C-807 | C-808 | C-807 | C-812 | C-813 | C-814 | C-826 | C-827 | | | | EXT. | TOTAL | | DRAINAGE | NO. | Glau |
| | | | | | | | | 0.21 | | | | | | 602 | 20000 | 0.21 | CY | CONCRETE MASONRY | | Copyrigi |
| | | | | | | | | <i>309 2</i> | | | | | | 611 611 | 04400 98470 | 309 2 | FT EA | 12" CONDUIT, TYPE B CATCH BASIN, NO. 2-2B | | - |
| | | | | | | | | 1 | | | | | | 611 | 99900 | 1 | EA | DRAINAGE STRUCTURE, MISC.: CLEANOUT ADJUSTED TO GRADE | | 1 |
| | | | | | | | | / | | | | | | 011 | 33300 | / | LA | SANITARY SEWER | | - |
| | | | | | | | | 1 | | | | | | 611 | 00054 | 1 | | | | - |
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| | | | | | | | | | | | | | | | | | | WATER WORK | | - |
| | | | | | | | | 1 | | | | | | 638 | 10900 | 1 | EA | SERVICE BOX ADJUSTED TO GRADE | | - |
| | | | | | | | | 109 108 | | | | | | 638 638 | 20834 20864 | 109 108 | FT FT | SPECIAL - INSTALL 1" POLYETHYLENE WATER SERVICE CONNECTION SPECIAL - INSTALL 2" COPPER WATER SERVICE CONNECTION | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 26 | 18 | | | 621 | 00100 | 44 | EACH | RPM TRAFFIC CONTROL | | |
| | | | | | | | | | | 10 | 4 | | | 621 | 04000 | 14 | EACH | RAISED PAVEMENT MARKER REMOVED | | 1 |
| | | | | | | | | | | 39.8 | 66.7 | | | 630 | 03100 | 106.5 | | GROUND MOUNTED SUPPORT, NO. 3 POST GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7 | | |
| | | | | | | | | | | 31.9 2 | | | | 630 630 | 06400 09000 | 31.9 2 | EACH EACH | BREAKAWAY STRUCTURAL BEAM CONNECTION | | |
| | | | | | | | | | | 52.4 | 36.5 | | | 630 | 80100 | 88.9 | SF | SIGN, FLAT SHEET | | |
| | | | | | | | | | | 2 | | 1 | | 630 | 84500 | 2 | EACH | GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION | | |
| | | | | | | | | | | 4 | 1 | | | 630 | 84900 | 5 | | REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL | | AIPTION |
| | | | | | | | | | | 7 | 1 | | | 630 630 | 85400 86002 | 1 2 | EACH EACH | REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL | | DESC |
| | | | | | | | | | | 2 | , | | | 630 | 86102 | 2 | | REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL | | - |
| | | | | | | | | | | 0.34 | 0.02 | | | 644 | 00104 | 0.36 | MILE | EDGE LINE, 6" | | |
| | | | | | | | | | | 0.26 317 | 0.08 252 | | | 644 644 | 00300 00400 | 0.34 569 | MILE FT | CENTER LINE CHANNELIZING LINE, 8" | | |
| | | | | | | | | | | 112 | 44 | | | 644 | 00700 | 156 | FT | TRANSVERSE/DIAGONAL LINE | | |
| | | | | | | | | | | 45 | 58 | | | 644 | 00900 | 103 | SF | ISLAND MARKING | | DATE |
| | | | | | | | | | | <i>3 2</i> | 4 | | | 644 644 | 01300 01400 | 7 3 | EACH EACH | LANE ARROW WORD ON PAVEMENT, 72" | | REV. |
| | | | | | | | | | | | | | | | | | | MAINTENIANCE OF TRAFFIC | | """ ONLY |
| | | | | 20 | 15 | 1 | | | | | | | | 411 | 10000 | 36 | CY | MAINTENANCE OF TRAFFIC STABILIZED CRUSHED AGGREGATE | | O INTE |
| 24 | | | | | | | | | | | | | | 614 | 11000 | 24 | HOUR | LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE | | Carrie |
| | | | | 12 | 1 | | | | | | | | | 614 | 13312 | 13 | EACH | BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL | | |
| | | | | 0.12 | 0.08 | 0.13 | | | | | | | | 614 614 | 21000 22000 | 0.33 0.45 | | WORK ZONE CENTER LINE, CLASS I WORK ZONE EDGE LINE, CLASS I, 4" | | |
| | 0.20 | 0.13 | 0.12 | 0.24 | 0.70 | 0.03 | | | | | | | | 614 | 22200 | 0.45 | | WORK ZONE EDGE LINE, CLASS I, 4", 740.06, TYPE I | | |
| LS | | | | 207 | 017 | | | | | | | | | 615 | 10000 | LS | CV | ROADS FOR MAINTAINING TRIAFFIC, AS PER PLAN | C-802 | - |
| | | | | 287 | 213 | 5 | | | | | | | | 615 | 25000 | 505 | SY | PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B | | |
| | | | | | | | | | | | | | | C14 | 10000 | 1.0 | | INCIDENTAL | | STO |
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| | | | | | | | | | | | | | | 623 | 10000 | LS | | CONSTRUCTION LAYOUT STAKES AND SURVEYING | | - |
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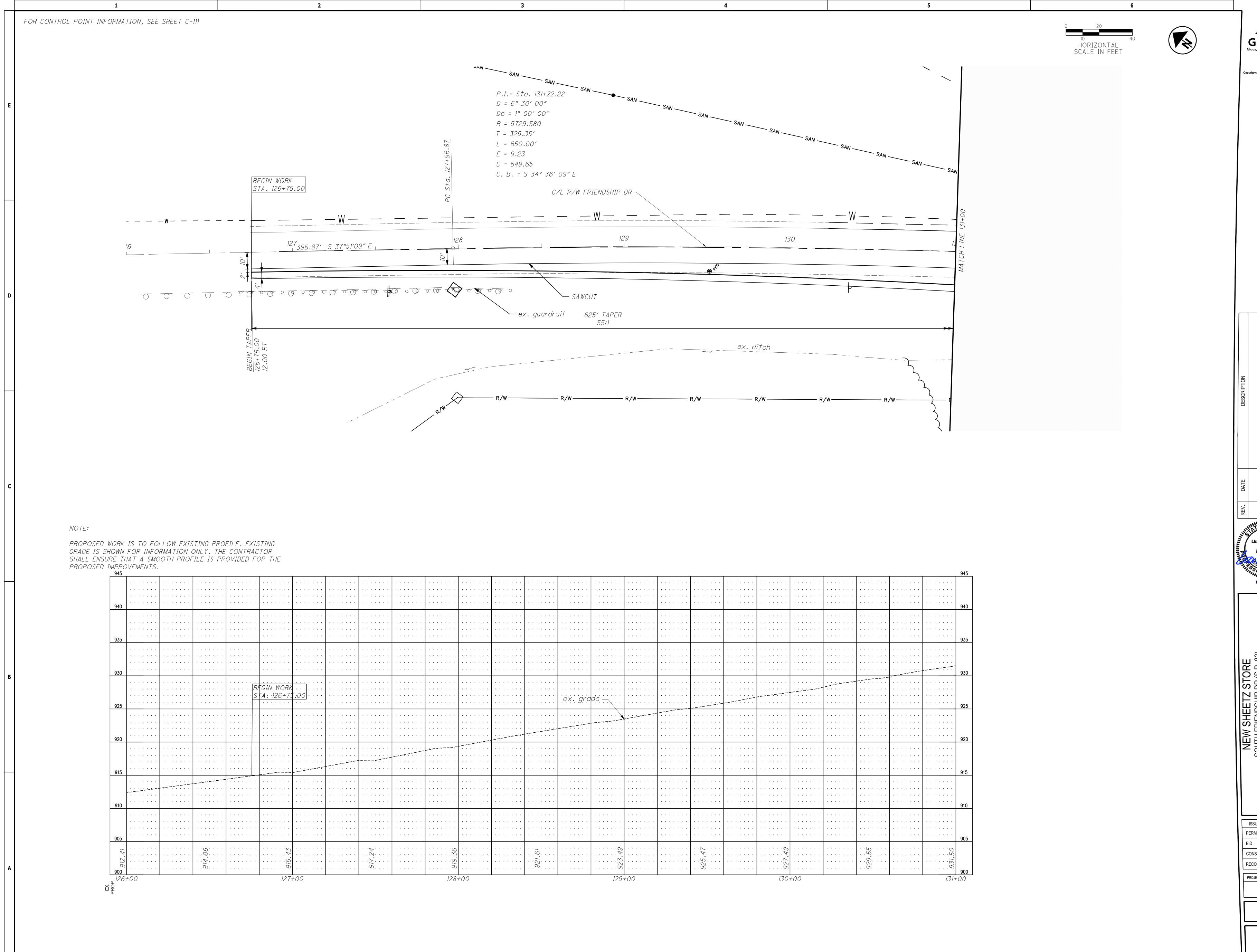
NEW SHEETZ STORE SOUTH FRIENDSHIP DR (S.R. 83) NEW CONCORD, OH 43762

ISSUED FOR:
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CONSTRUCTION
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CONSTRUCTION

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AND PROFILE - FRIENDSHIP DR. (S.R. 63)

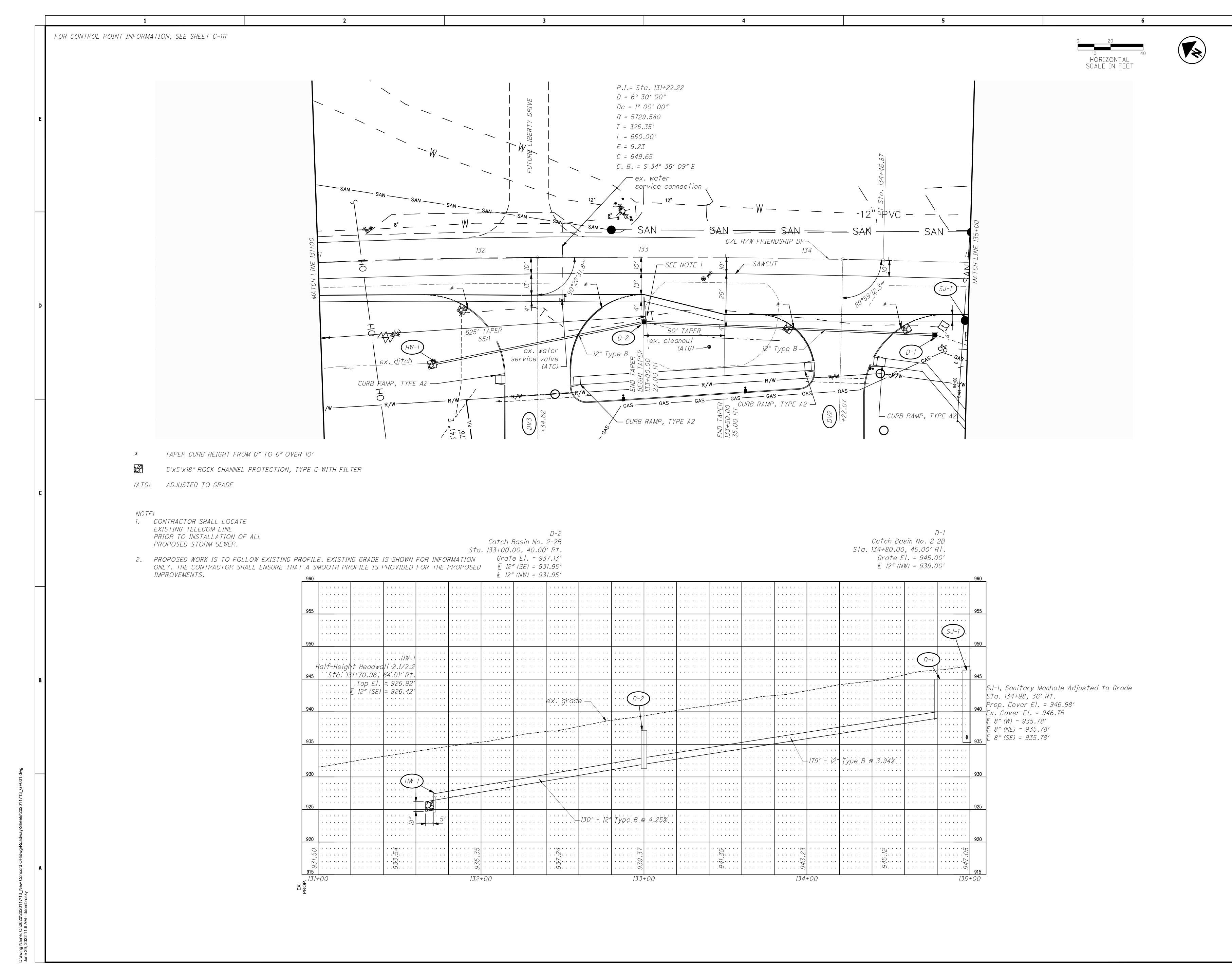
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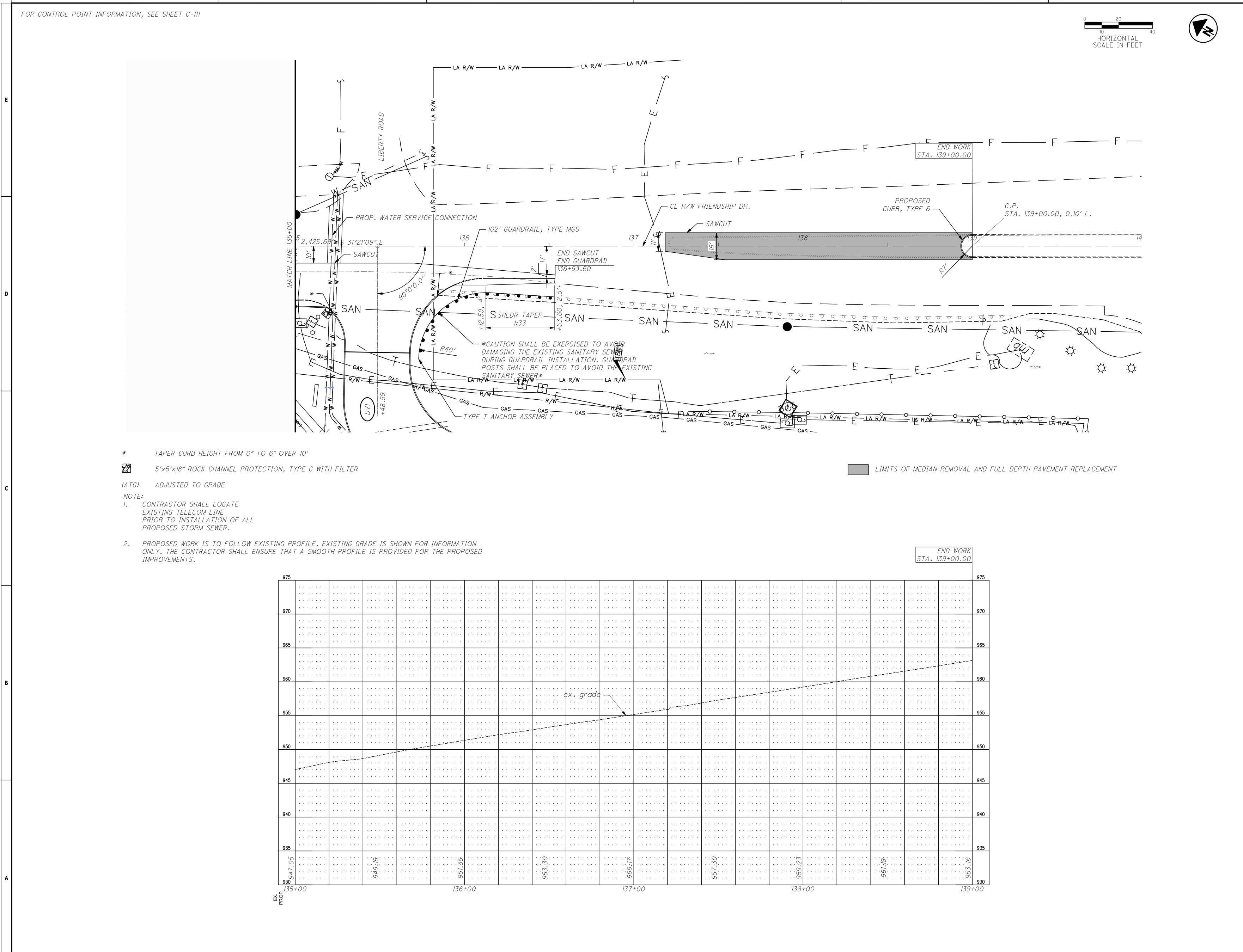


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DATE

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A CONCORD, OH 43762

PROFILE - FRIENDSHIP DR.
5+00.00 TO END WORK

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PROJECT MANAGER DESIGNER

— ex. |guardrail ------- 915.43 127+00.00 915.43 _____ 914.90 126+75.00 914.90 BEGIN WORK/WIDENING MEET EXISTING _____ 914.06 126+50.00 914.06

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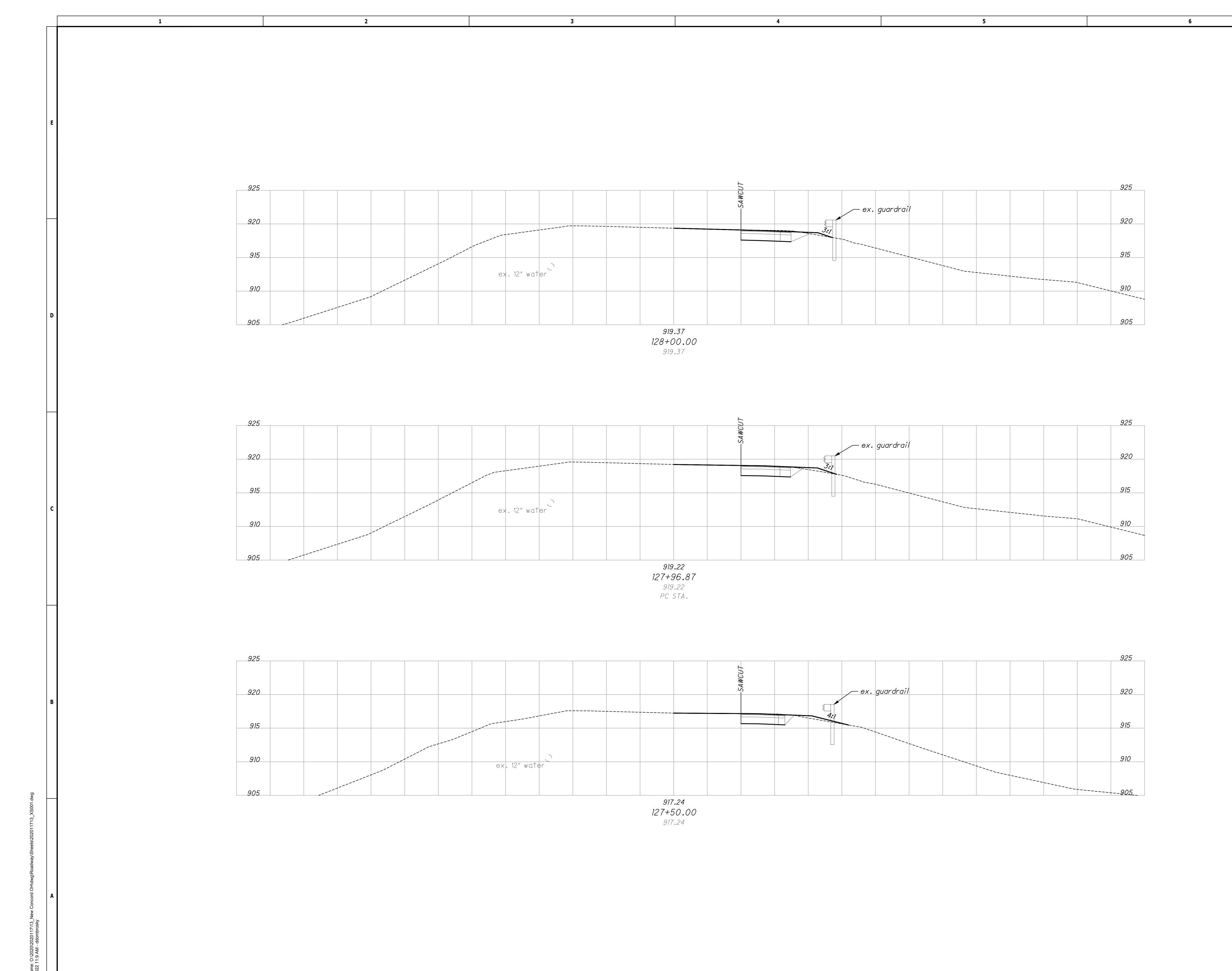
SOUTH FRIENDSHIP DR (S.R. 83)
NEW CONCORD, OH 43762
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2020117.13



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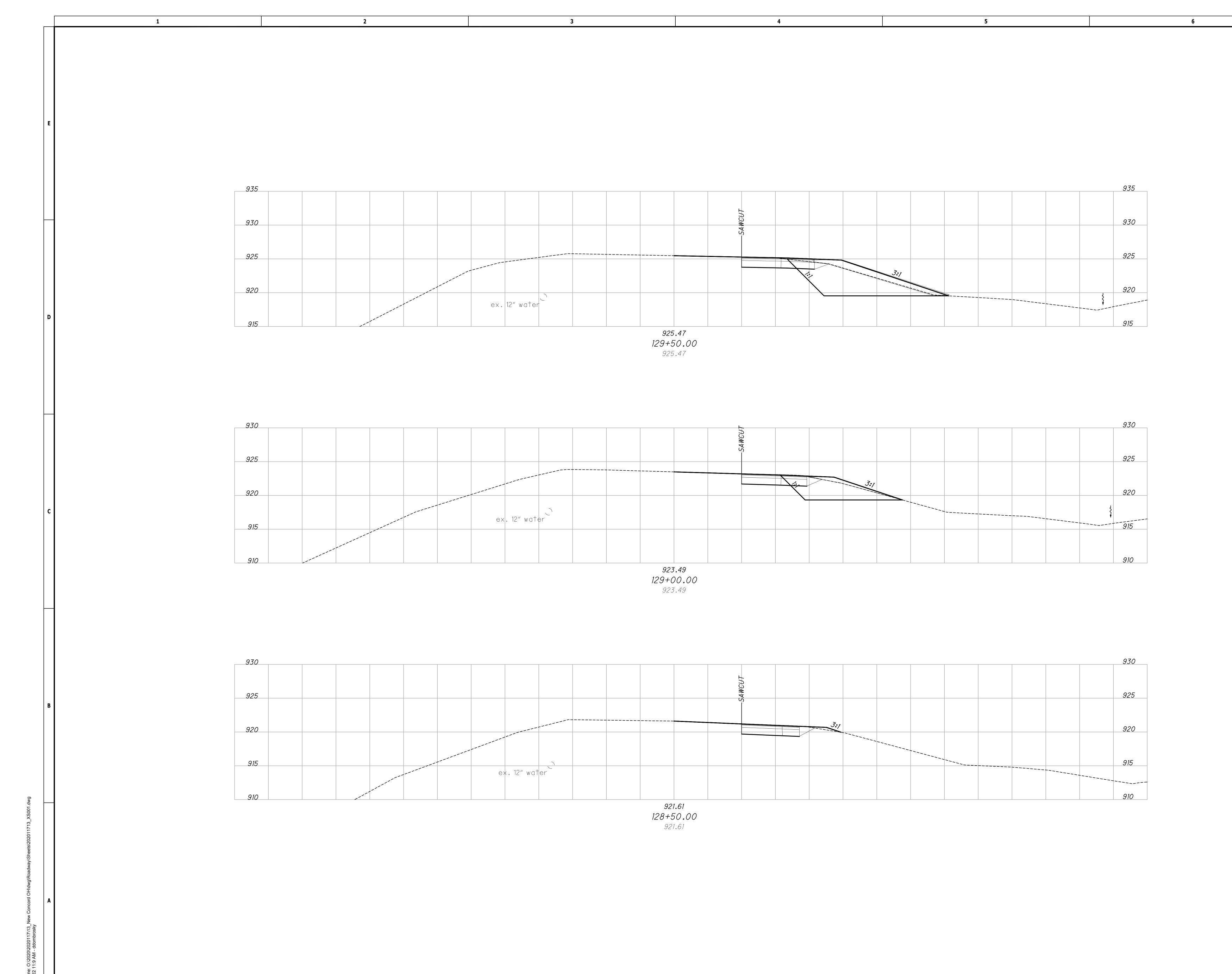
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SOUTH FRIENDSHIP DR (S.R. 83)
NEW CONCORD, OH 43762
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REV. DATE DESCRIPTION

LEONARDO A.
SFERRA
E -71842

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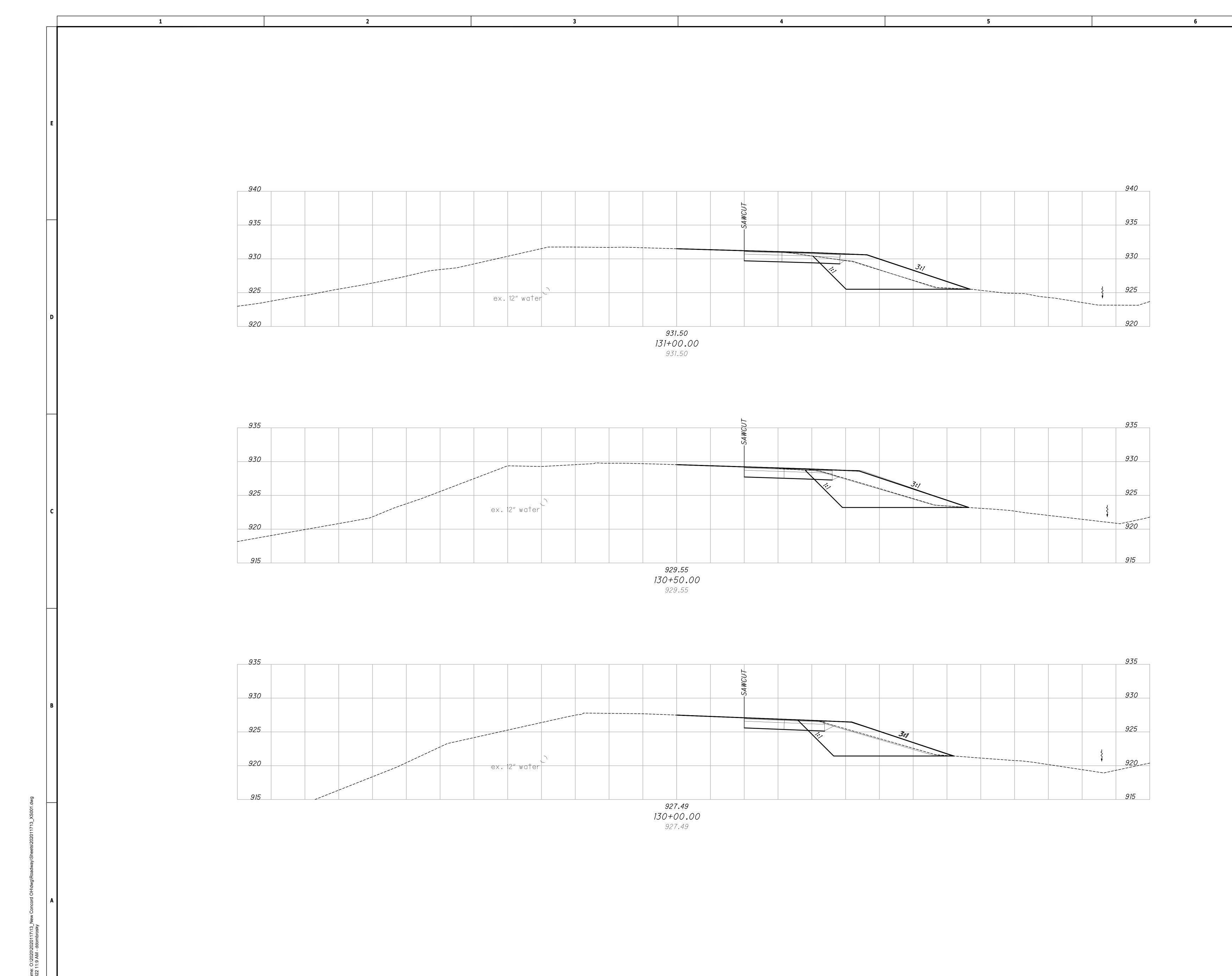
SOUTH FRIENDSHIP DR (S.R. 83)
NEW CONCORD, OH 43762
CROSS SECTIONS - FRIENDSHIP DR.
STA. 128+50.00 TO STA. 129+50.00

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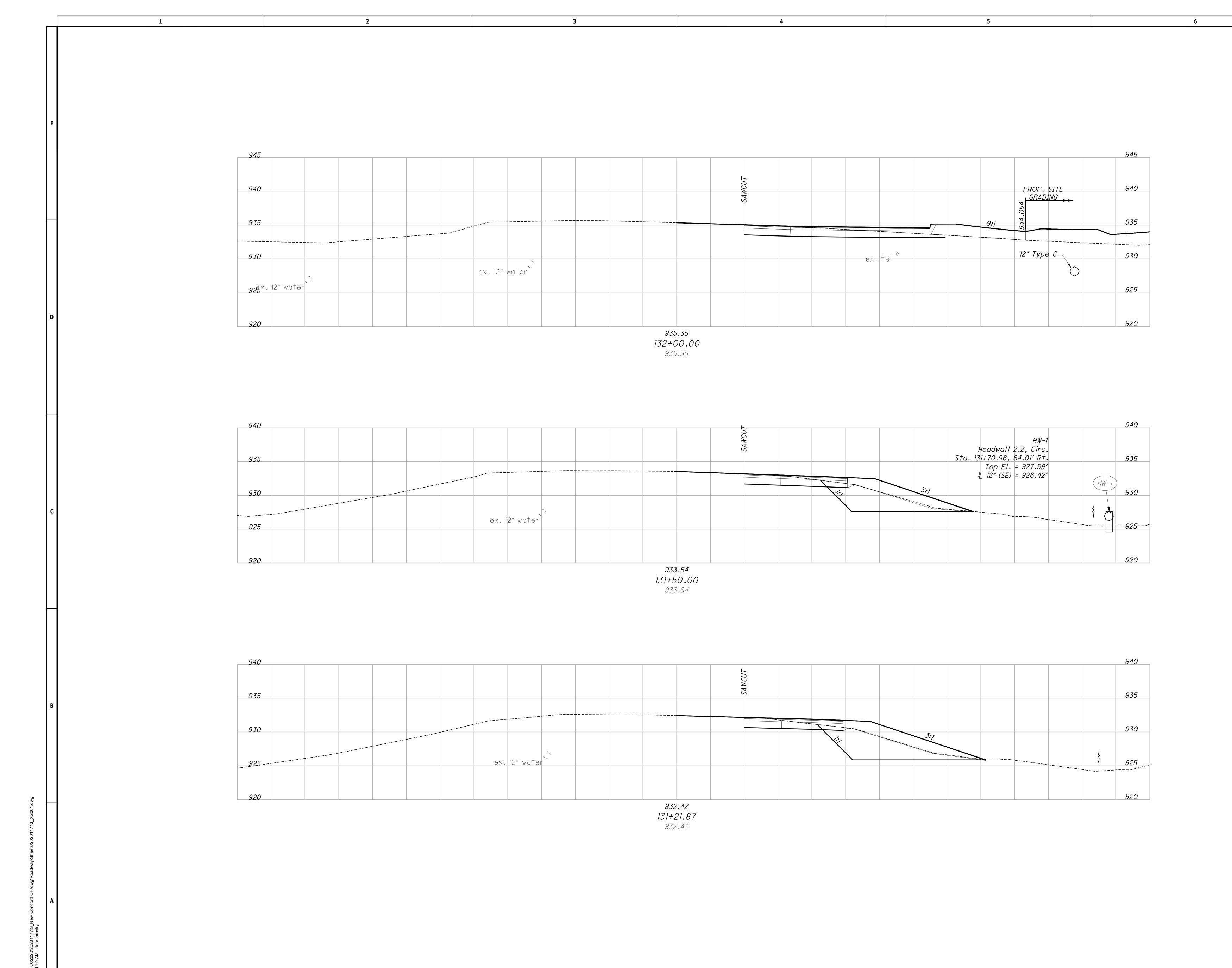
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SOUTH FRIENDSHIP DR (S.R. 83)
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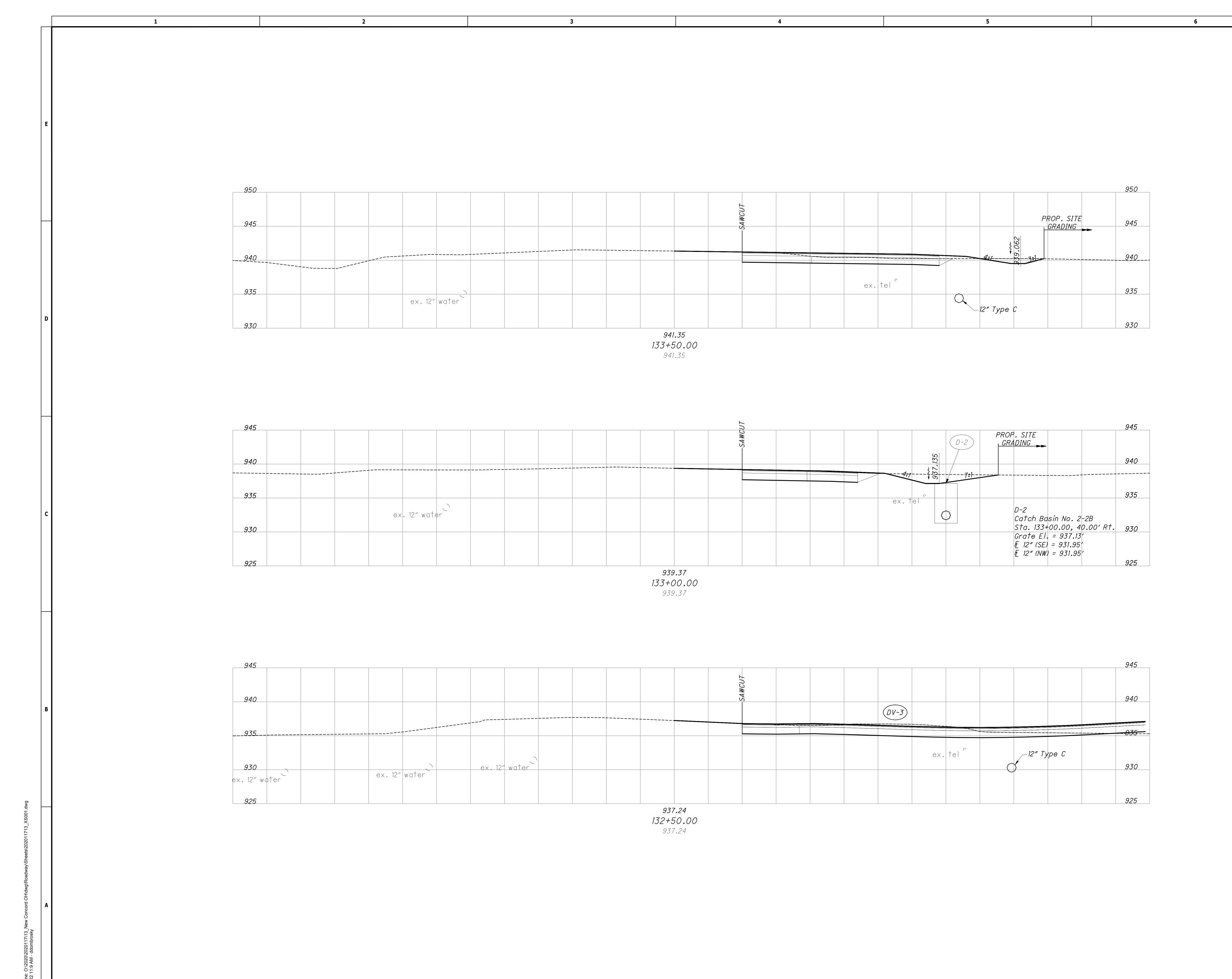


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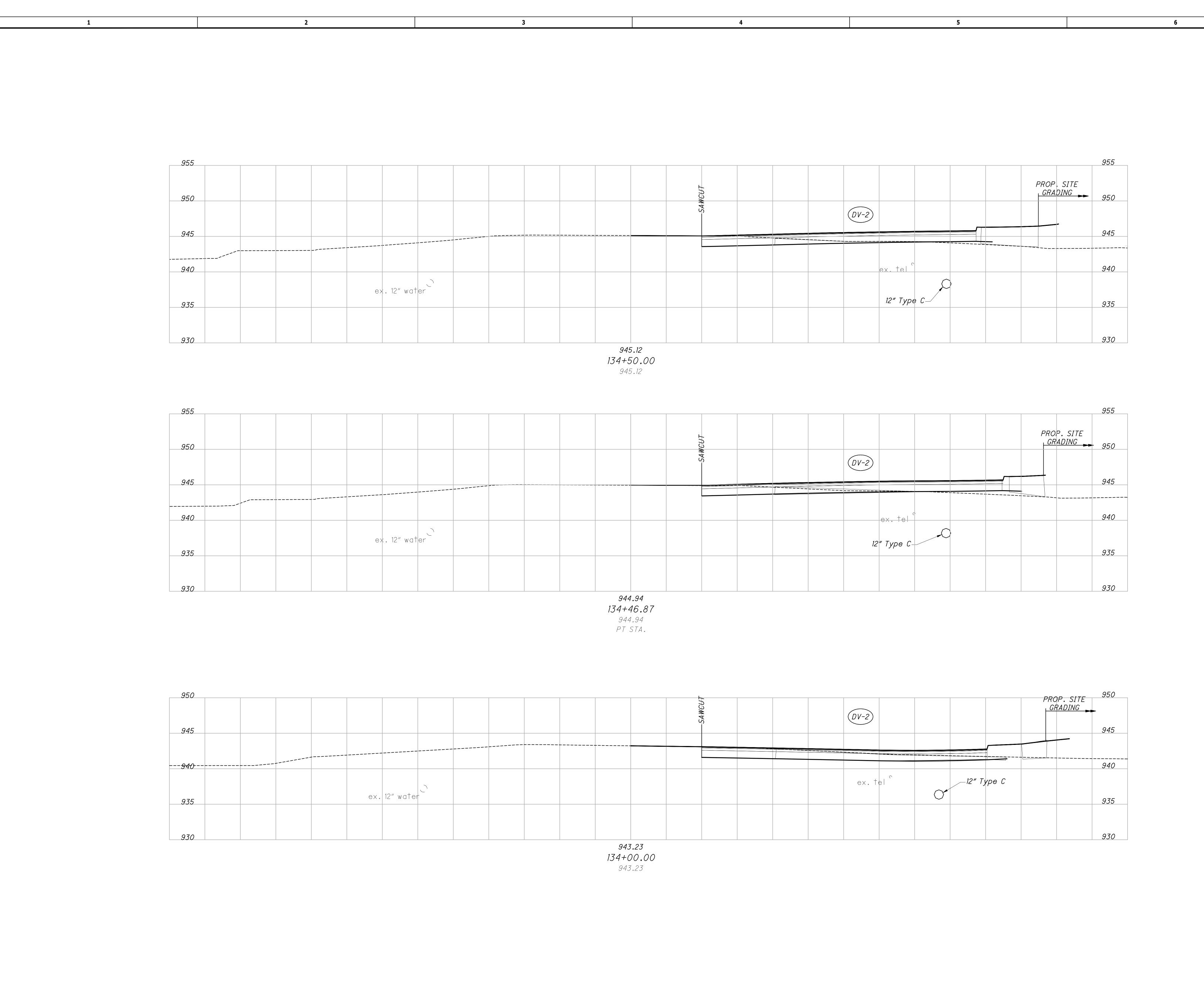
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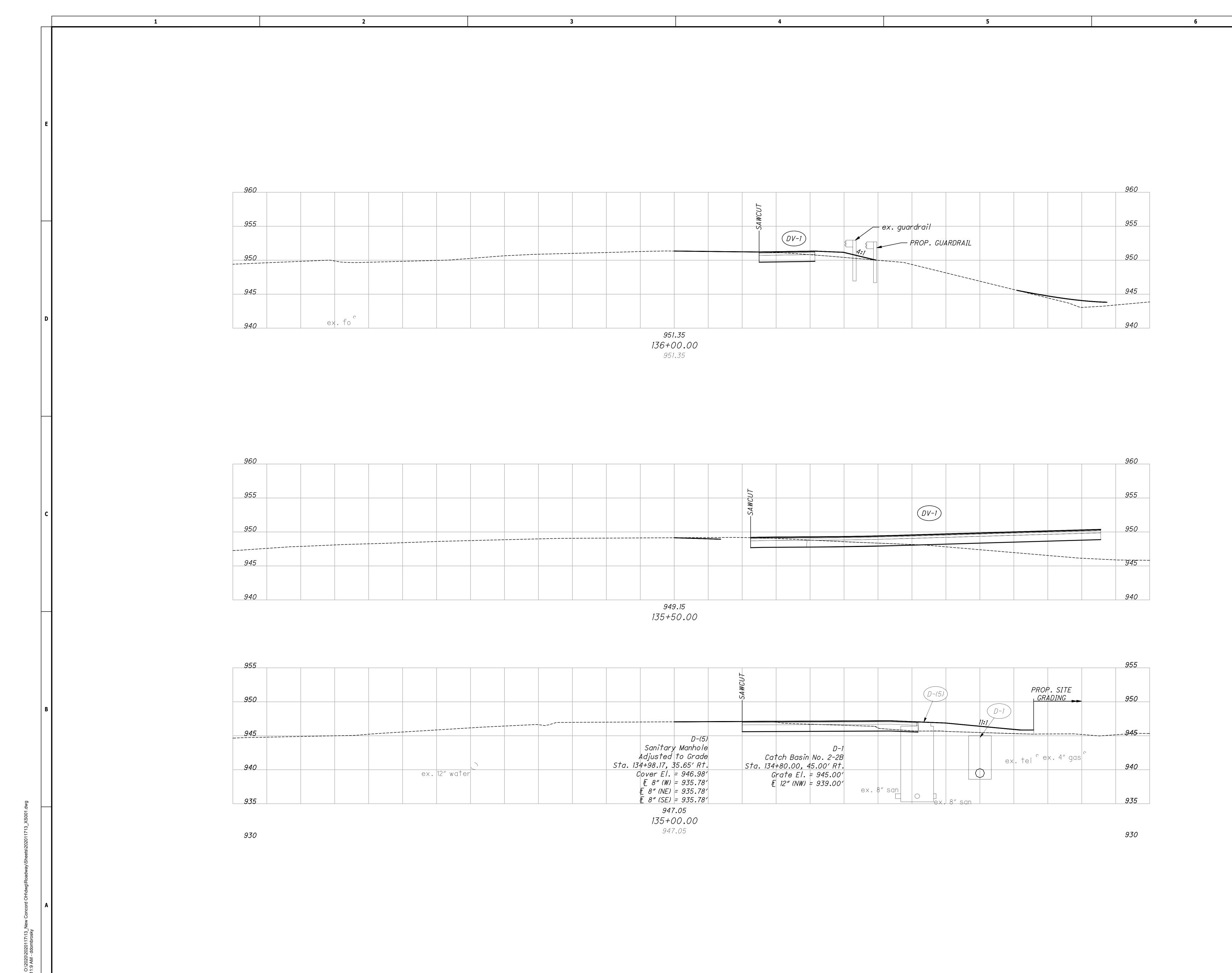
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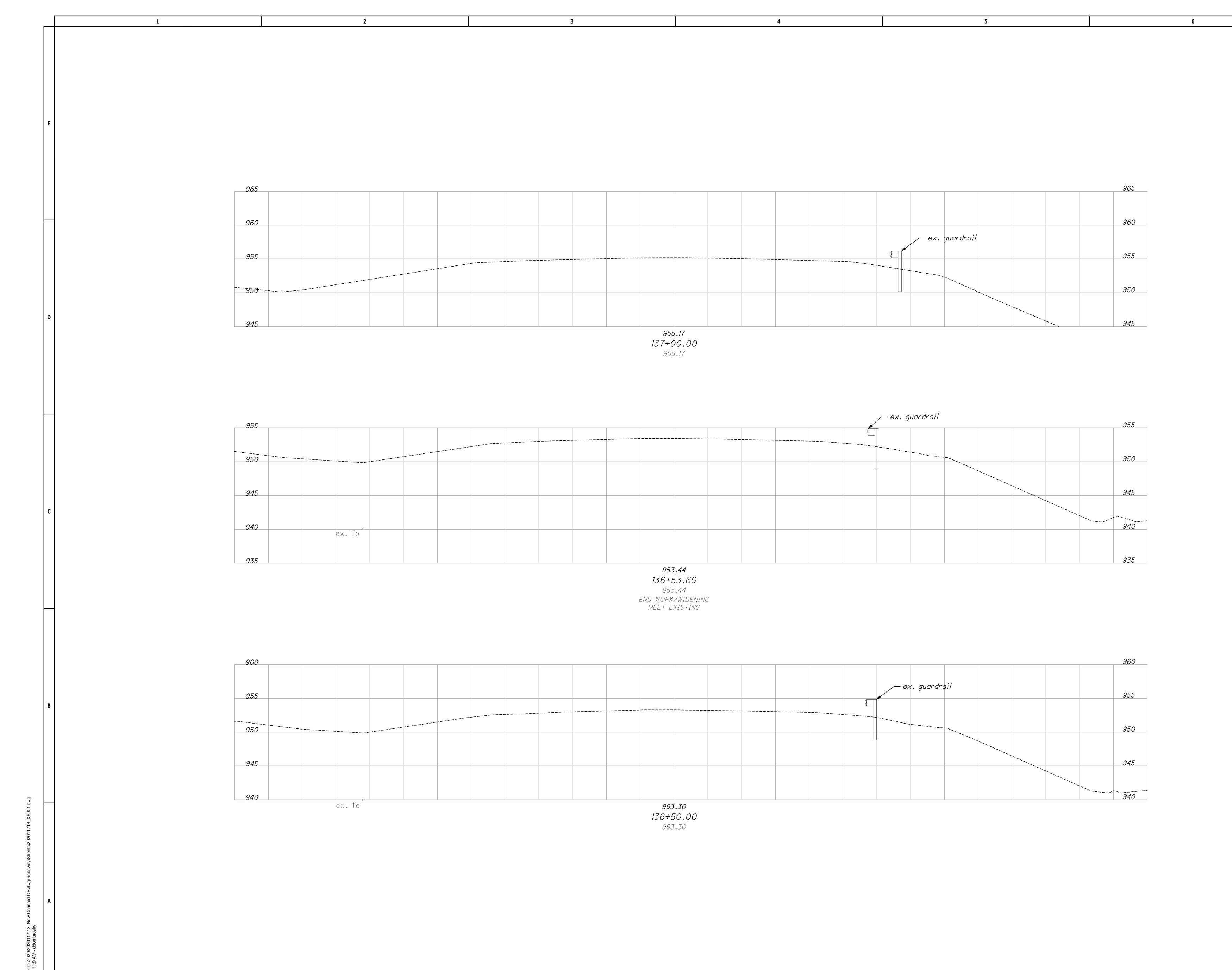
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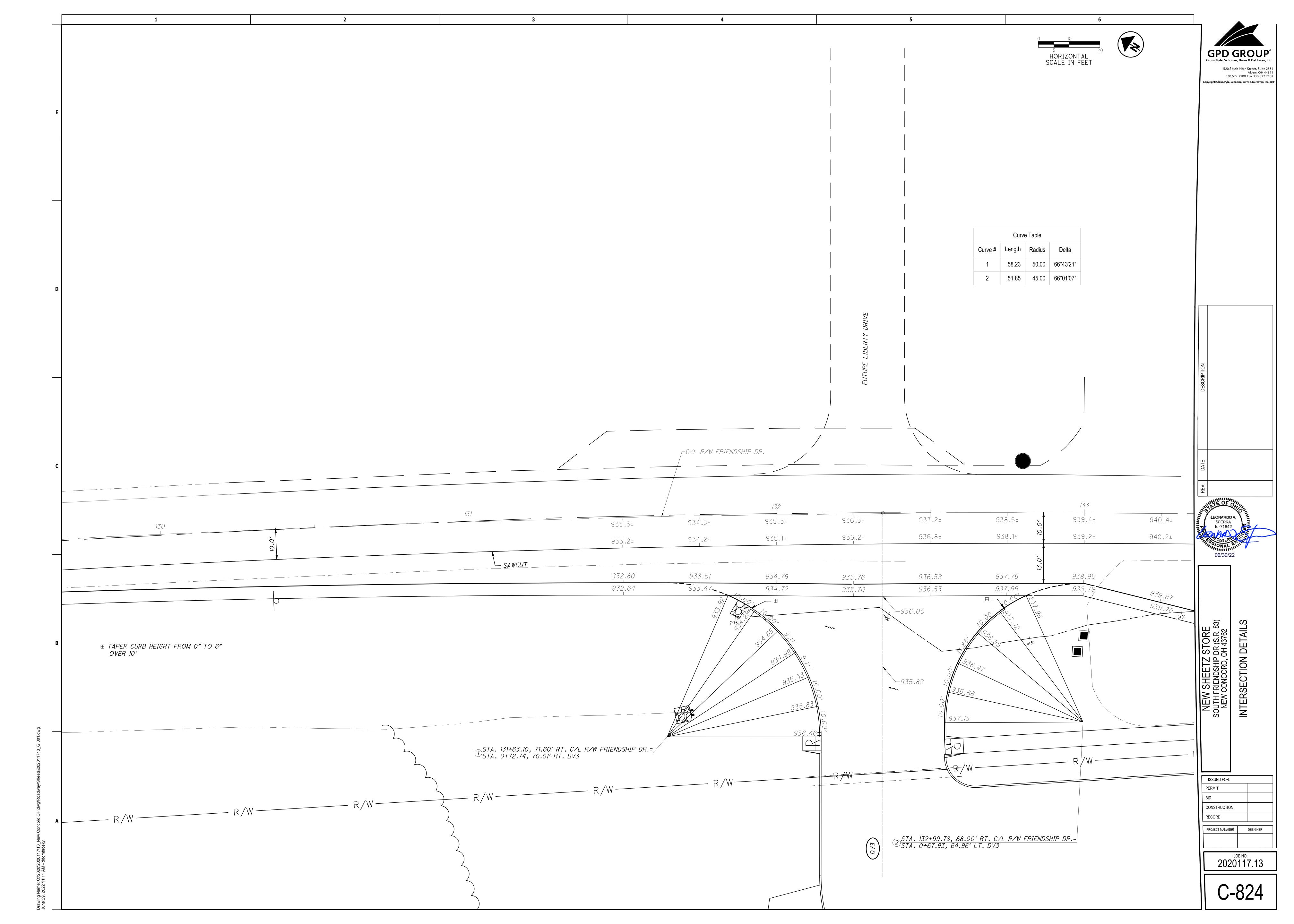
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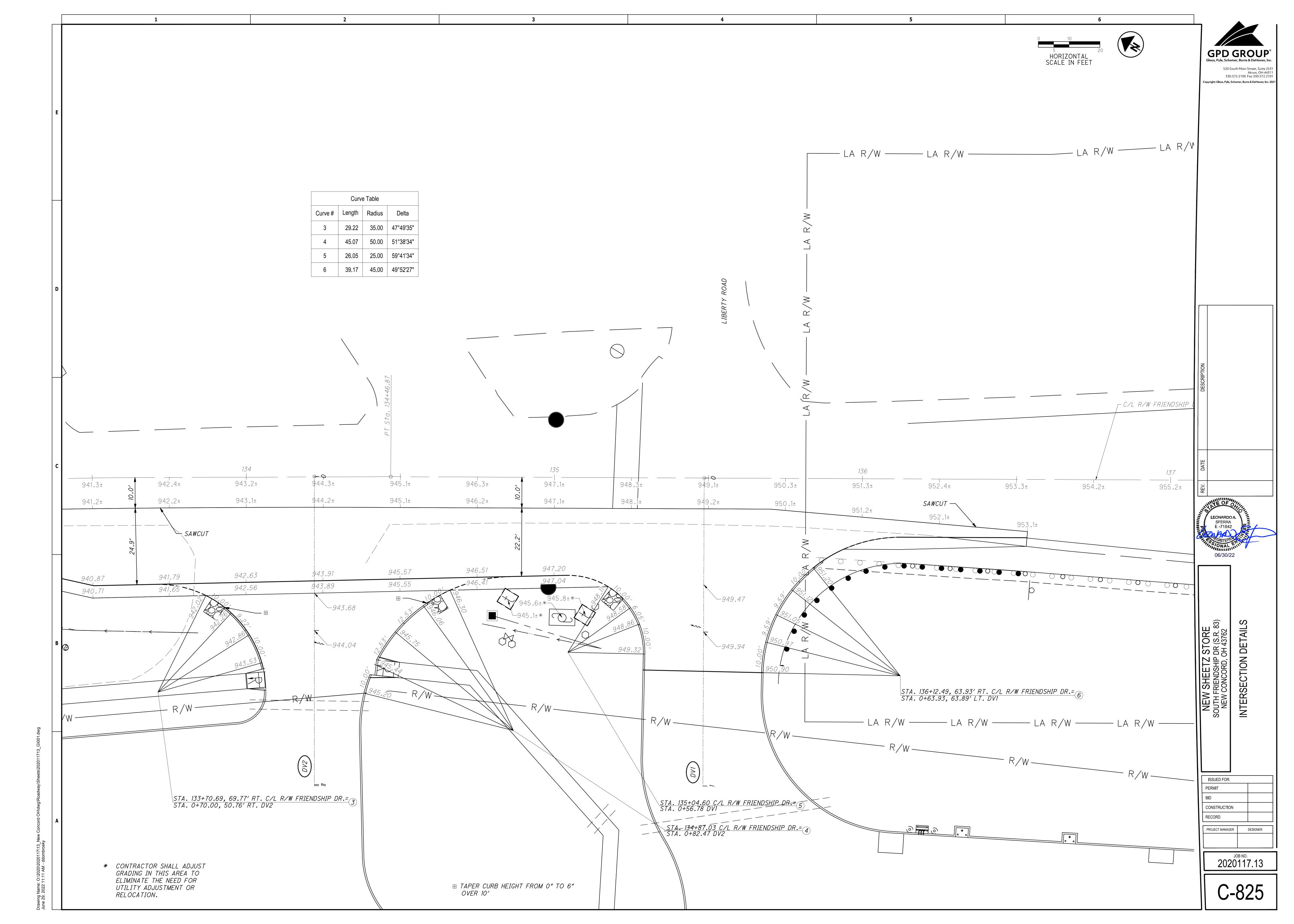
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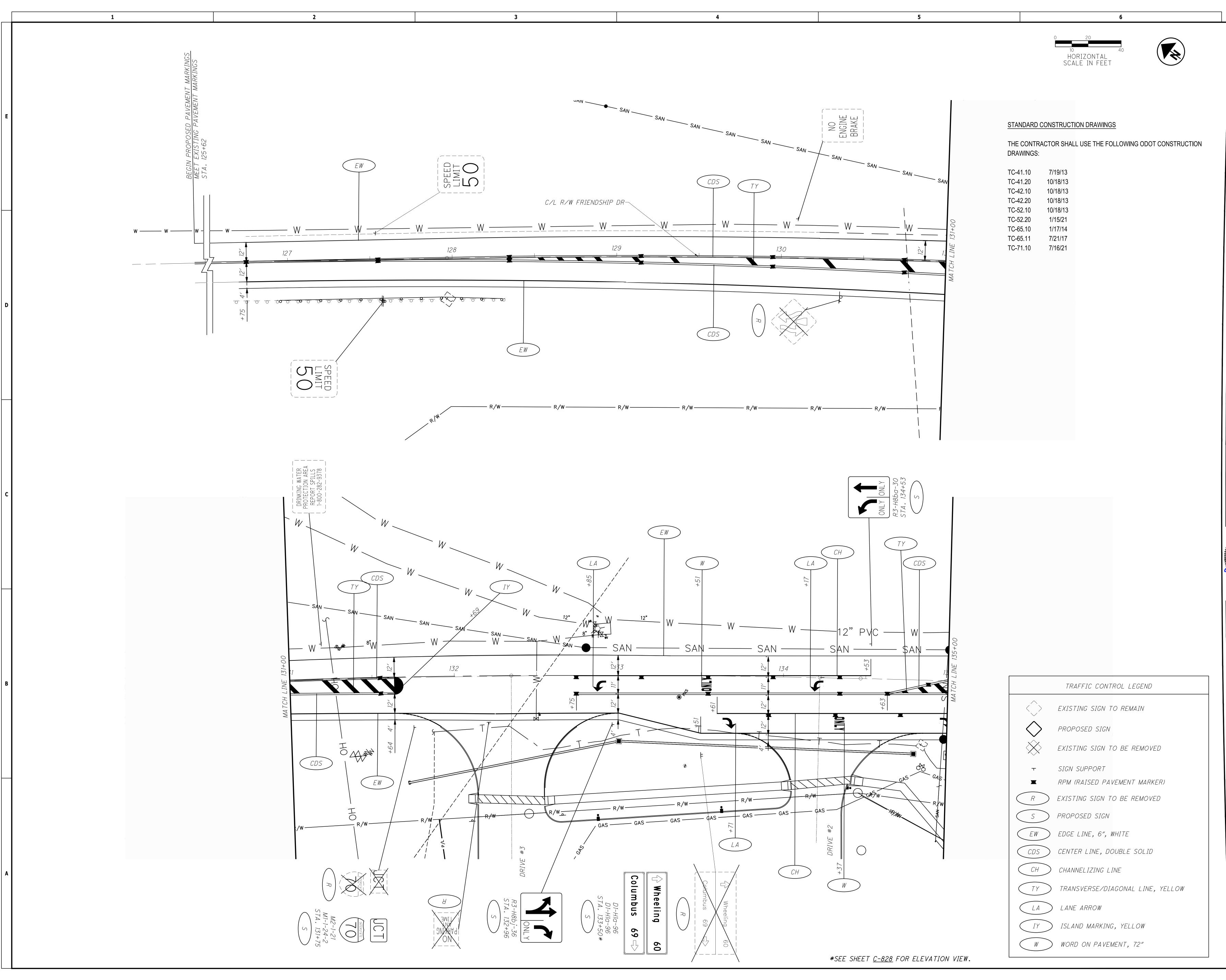
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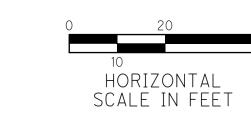
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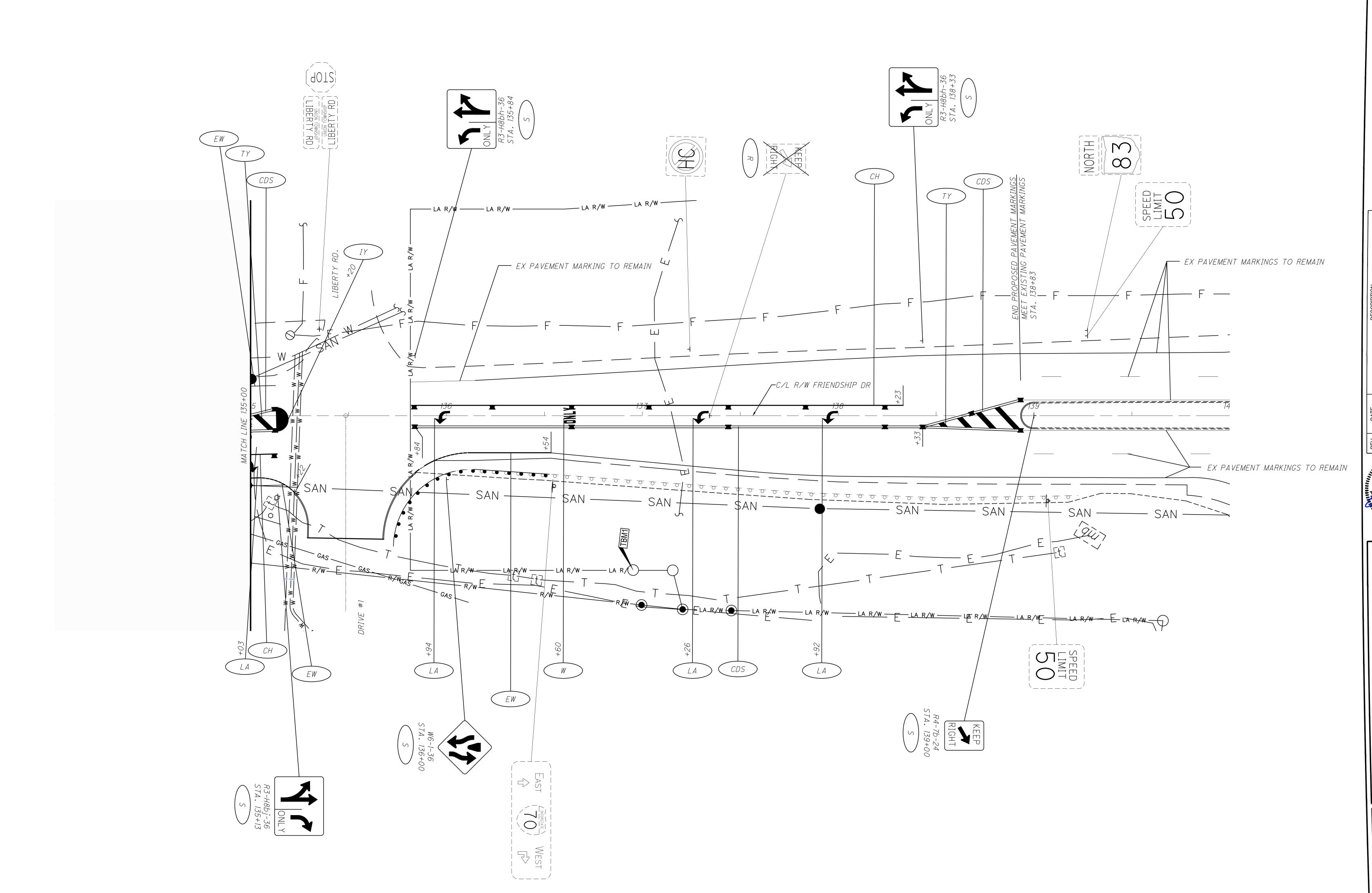
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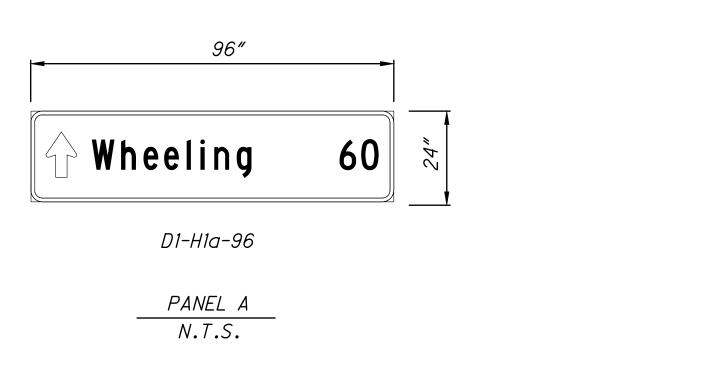
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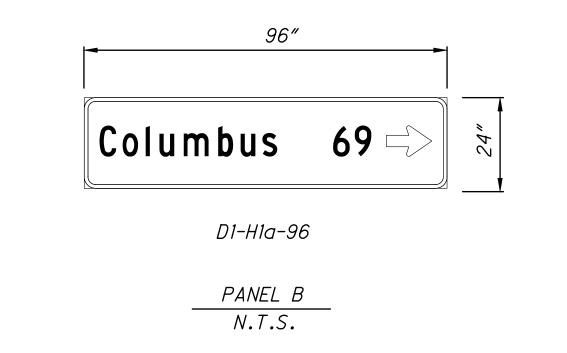
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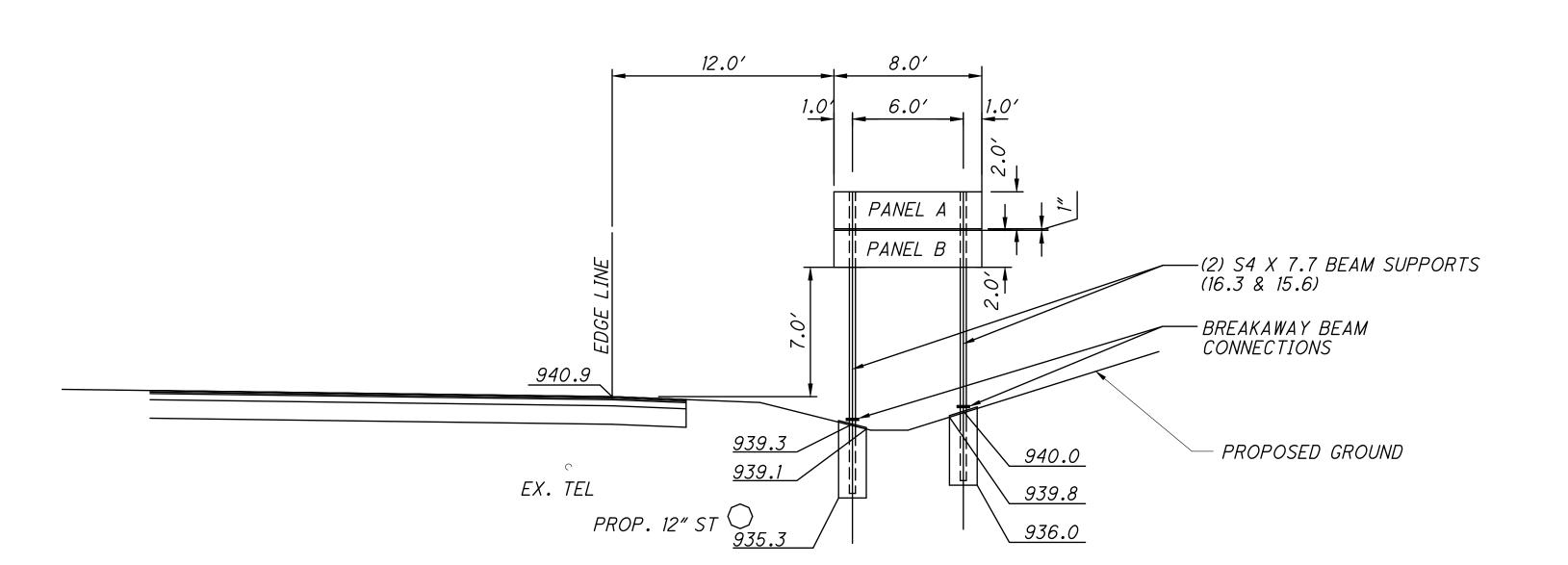
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| SIGN INFORI | MATION |
|-------------------|--------------|
| PANEL | А |
| SIGN DESIGNATION: | D1-H1a-96 |
| PANEL SIZE: | 8′ X 2′ |
| BACKGROUND: | GREEN |
| FILL COLOR: | WHITE |
| PANEL | В |
| SIGN DESIGNATION: | D1-H1a-96 |
| PANEL SIZE: | 8′ X 2′ |
| BACKGROUND: | GREEN |
| FILL COLOR: | WHITE |
| PROPOSED BEAM . | INFORMATION |
| TOTAL SIGN AREA: | 32.0 SQ. FT. |
| DESIGN TYPE: | S4 X 7.7 |
| SIZE: | 4 X 2-5/8 |
| FOUNDATION IN | FORMATION |
| DIAMETER: | 18" |
| DEPTH: | 4.0' |







S

BEAM SUPPORT TYPE S4 X 7.7

STA. 133+50, S.B.

NOTES:

- 1. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS PRIOR TO THE ORDERING OF ANY MATERIALS.
- 2. ALL SIGNS ARE VIEWED IN THE DIRECTION OF TRAVEL.
- 3. CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN FIELD PRIOR TO ANY EXCAVATION.

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DESCRIPTION

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SFERRA
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TH FRIENDSHIP DR (S.R. 83)
EW CONCORD, OH 43762
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PHASE 2

A SINGLE LANE OF TRAFFIC IN BOTH DIRECTIONS SHALL BE MAINTAINED. TRAFFIC SHALL BE SHIFTED TO THE EAST SIDE OF SR 83 UTILIZING THE EXISTING PAVEMENT AND TEMPORARY PAVEMENT INSTALLED IN PRE-PHASE 2. THE CONTRACTOR SHALL CONSTRUCT THE SOUTHBOUND RIGHT TURN LANE AND DRIVE RETURNS AT THIS TIME. ALL ROADWAY AND UTILITY IMPROVEMENTS SHALL BE CONSTRUCTED ON THE WEST SIDE OF SR 83. ALL UTILITY CROSSING ON SR 83 OUTSIDE THE WORK ZONE SHALL BE INSTALLED UTILIZING FLAGGERS.

PHASE 3

THE CONTRACTOR SHALL PERFORM PAVEMENT PLANNING, PLACE THE INTERMEDIATE COURSE AND PLACE THE FINAL ASPHALT SURFACE COURSE THROUGHOUT THE PROJECT LIMITS. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH MT -97.11. ALL PAVEMENT PLANNING AND RESURFACING SHALL BE COMPLETED DURING OFF-PEAK HOURS. DURING PLACEMENT OF FINAL PAVEMENT MARKINGS, TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH MT-99.20.

WORK HOUR DESCRIPTIONS

- 1. OFF-PEAK HOURS ARE DEFINED AS ANY PERIOD OTHER THAN 6:00-8:00 AM AND 4:00-6:00 PM (MONDAY THRU FRIDAY) AND LEGAL HOLIDAYS.
- 2. NIGHTTIME HOURS ARE DEFINED AS BETWEEN 8:00 PM AND 6:00 AM.

MAINTENANCE OF TRAFFIC

THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION. THE SPECIFICATIONS AND THE FOLLOWING:

- 1. A MINIMUM OF ONE TEN (10) FOOT LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT AND ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC.
- 2. THE CONTRACTOR SHALL INFORM THE CITY OF SEVILLE (740) 826-7671 AND ODOT DISTRICT 5 (740) 323-4400, EIGHTEEN (18) DAYS PRIOR TO THE BEGINNING OF WORK.
- 3. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR BE PERMITTED TO HAVE SUCCESSIVE WORK ZONES UNLESS THE DISTANCE BETWEEN THE DRUMS, BARRICADES OR CONES EXCEEDS ONE (1) MILE.
- 4. ONLY DURING OFF-PEAK PERIODS (I.E. ANY PERIOD OTHER THAN 6-8AM AND 4-6PM) SHALL THE CONTRACTOR INSTALL AND SUBSEQUENTLY RESET ALL TRAFFIC CONTROL NECESSARY FOR THE WORK ZONE FOR EACH CONSTRUCTION PHASE.
- 5. NO DAILY LANE CLOSURE SHALL BE IMPLEMENTED DURING THE HOURS OF 6-8AM OR 4-6PM WEEKDAYS. ALL ADVANCE WARNING SIGNS FOR ANY CONDITION WHICH RESTRICTS TRAFFIC SHALL BE ERECTED BEFORE ANY SUCH RESTRICTION IS PUT INTO EFFECT. ALL SUCH SIGNS SHALL BE COVERED OR REMOVED FROM THE VIEW OF TRAFFIC WHEN THEY ARE NOT APPLICABLE, AS DETERMINED BY THE VILLAGE ENGINEER. LANE RESTRICTIONS AND LANE REDUCTIONS SHALL BE SIGNED AND DELINEATED PER SCD MT-95.31 AND MT-95.32.
- 6. LENGTH AND DURATION OF LANE CLOSURE AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE VILLAGE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE VILLAGE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.
- 7. SIGNS FURNISHED SHALL BE IN NEW OR LIKE NEW CONDITIONS. LIKE NEW SIGNS SHALL BE SUBJECT TO THE APPROVAL OF THE PROJECT ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR PROVIDING AND MAINTAINING LIGHTS, SIGNS, AND BARRICADES FOR THE MAINTENANCE OF TRAFFIC AND SAFETY OR HIS/HER WORK AT THE LOCATIONS SHOWN ON THESE PLANS OR AS DIRECTED BY THE VILLAGE ENGINEER.
- 8. IF THE CONTRACTOR FAILS TO COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AS SET FORTH IN THESE PLANS AND PROVISIONS OF THE OMUTCD AND THE FAILURE RESULTS IN A CONDITION AT THE WORK SITE WHICH IS UNSAFE FOR TRAFFIC, THE VILLAGE ENGINEER MAY SUSPEND WORK UNTIL THE CONTRACTOR COMPLIES WITH THE NECESSARY REQUIREMENTS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

ACCESS TO PROPERTIES

ACCESS SHALL BE MAINTAINED TO ALL RESIDENTIAL AND COMMERCIAL PROPERTIES EXCEPT WHEN A DRIVEWAY MUST BE CLOSED FOR CONSTRUCTION. ALL RESIDENTS AND PROPERTY OWNERS SHALL BE PROVIDED WRITTEN NOTIFICATION BY THE CONTRACTOR A MINIMUM OF 72 HOURS PRIOR TO THE CLOSURE. THE NOTICE SHALL LIST THE TIME THE CLOSURE WILL BE IN EFFECT AND SHALL LIST 24-HOUR EMERGENCY PHONE NUMBERS OF THE CONTRACTOR RESPONSIBLE FOR THE CLOSURE. THE TIMES SHALL BE COORDINATED WITH EACH RESIDENT AND PROPERTY OWNER. INDIVIDUAL DRIVE CLOSURES SHALL BE KEPT TO THE MINIMUM TIME NEEDED FOR CONSTRUCTION ACTIVITIES. EVERY EFFORT MUST BE MADE TO ACCOMMODATE THE RESIDENT OR OWNER'S NEED FOR ACCESS. ACCESS MAY BE MAINTAINED WITH THE USE OF ASPHALT, AGGREGATE, OR STEEL PLATES.

WHERE A DRIVEWAY IS WIDE ENOUGH, THE CONTRACTOR SHALL CONSTRUCT THE DRIVEWAY PART-WIDTH WHILE MAINTAINING TWO-WAY TRAFFIC. WHERE A PROPERTY HAS MORE THAN ONE DRIVEWAY, DRIVES SHALL BE CONSTRUCTED ONE AT A TIME.

ITEM 615 - ROADS FOR MAINTAINING TRAFFIC, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT C&MS 615, THIS ITEM SHALL INCLUDE TEMPORARY DRAINAGE ITEMS, RESTORATION OF ALL SURFACES AND SIGNS DISTURBED BY THE PLACEMENT OF PAVEMENT FOR MAINTAINING TRAFFIC OUTSIDE OF THE PROJECT LIMITS.

TRENCH FOR WIDENING

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

OVERNIGHT TRENCH CLOSING

THE TRENCHES FOR ANY UTILITY CROSSING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 3 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

PLACEMENT OF ASPHALT CONCRETE

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES.

DELINEATION OF PORTABLE AND PERMANENT BARRIER

BARRIER REFLECTORS SHALL BE INSTALLED ON ALL TEMPORARY GUARDRAIL USED FOR TRAFFIC CONTROL; AND, ON ALL PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. BARRIER REFLECTORS SHALL CONFORM TO C&MS 626 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET.

OBJECT MARKERS SHALL BE INSTALLED ON ALL TEMPORARY AND PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. GUARDRAIL-MOUNTING OF OBJECT MARKERS SHALL BE MADE BY INSTALLING THE OBJECT MARKERS ON THE EXTENSION BLOCKS RATHER THAN DIRECTLY ONTO THE GUARDRAIL ITSELF. OBJECT MARKERS SHALL CONFORM TO C&MS 614.03 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET WITH A 25 FOOT OFFSET FROM THE BARRIER REFLECTORS.

MOT SIGNAGE

ALL REQUIRED SIGNING PER THE OMUTCD SHALL BE IN PLACE PRIOR TO BEGINNING MAINTENANCE OF TRAFFIC OPERATIONS.

STANDARD CONSTRUCTION DRAWINGS

THE CONTRACTOR SHALL USE THE FOLLOWING ODOT CONSTRUCTION DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:

| MT-95.31 | 7/19/19 |
|-----------|---------|
| MT-95.32 | 4/19/19 |
| MT-97.10 | 4/19/19 |
| MT-97.11 | 1/20/17 |
| MT-99.20 | 4/19/19 |
| MT-101.90 | 7/17/20 |
| MT-102.20 | 4/19/19 |
| MT-105.10 | 1/17/20 |
| | |

SS 821 SS 921 4/20/12

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ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF CMS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

IN GENERAL LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION OR AT THE POINT OF ROAD CLOSURE, AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONE.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

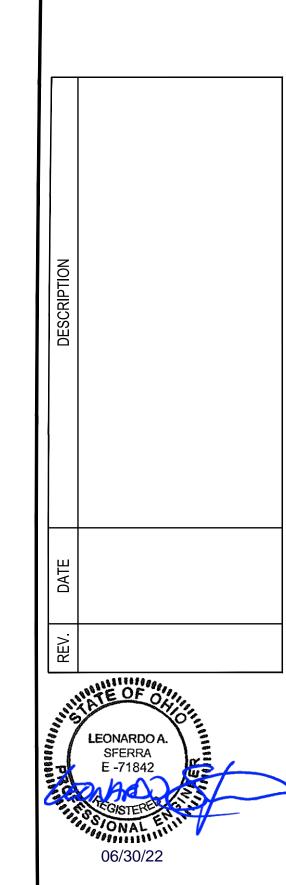
THE LEOS WORK AT THE DIRECTION OF THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. ONCE THE LEO HAS COMPLETED THE DUTIES DESCRIBED ABOVE AND STILL HAS TIME REMAINING ON HIS/HER SHIFT, THE LEO MAY BE ASKED TO PATROL THROUGH THE WORK ZONE (WITH FLASHING LIGHTS OFF) OR BE PLACED AT A LOCATION TO DETER MOTORISTS FROM SPEEDING. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.



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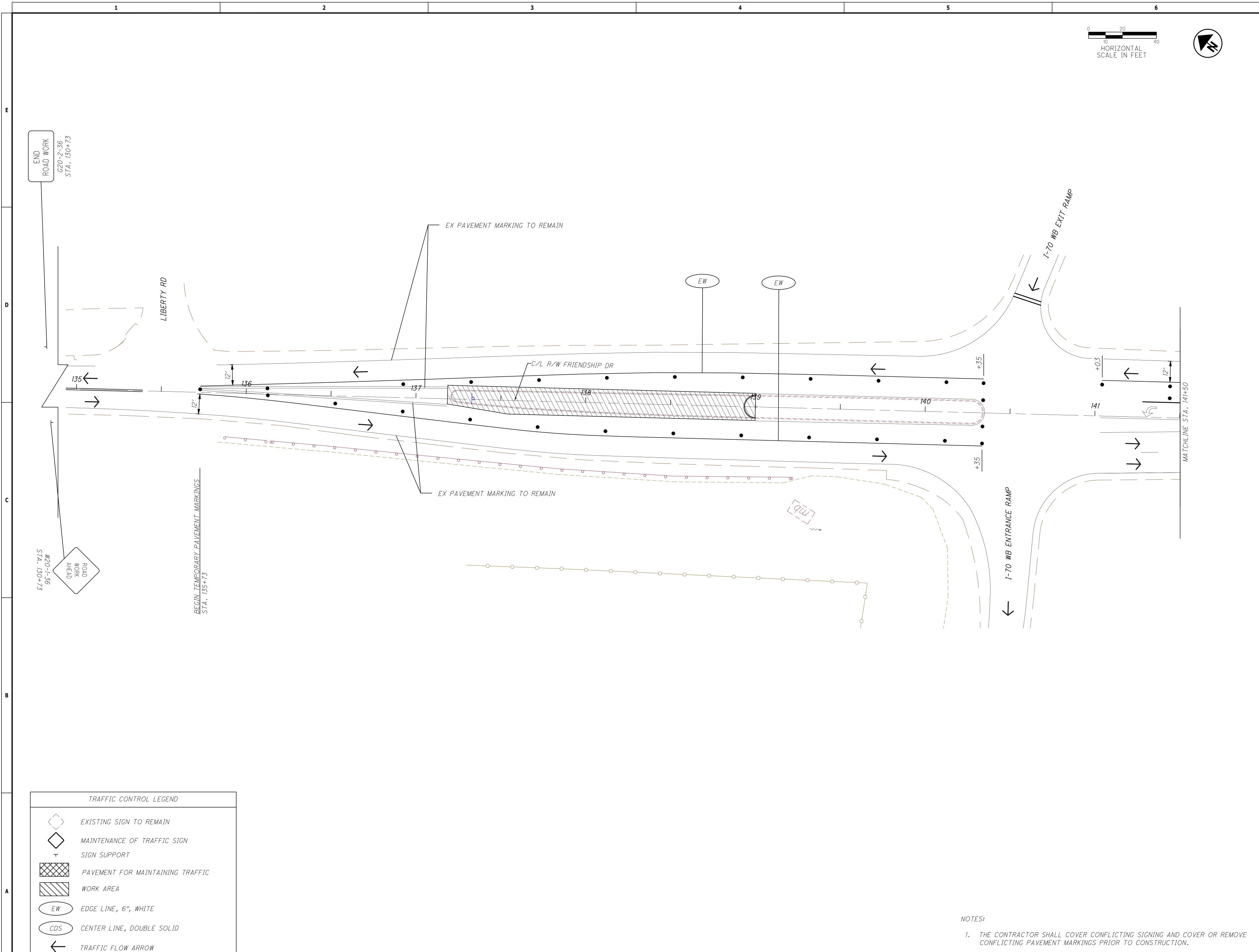
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06/30/22

SOUTH FRIENDSHIP DR (S.R. 83)

NEW CONCORD, OH 43762

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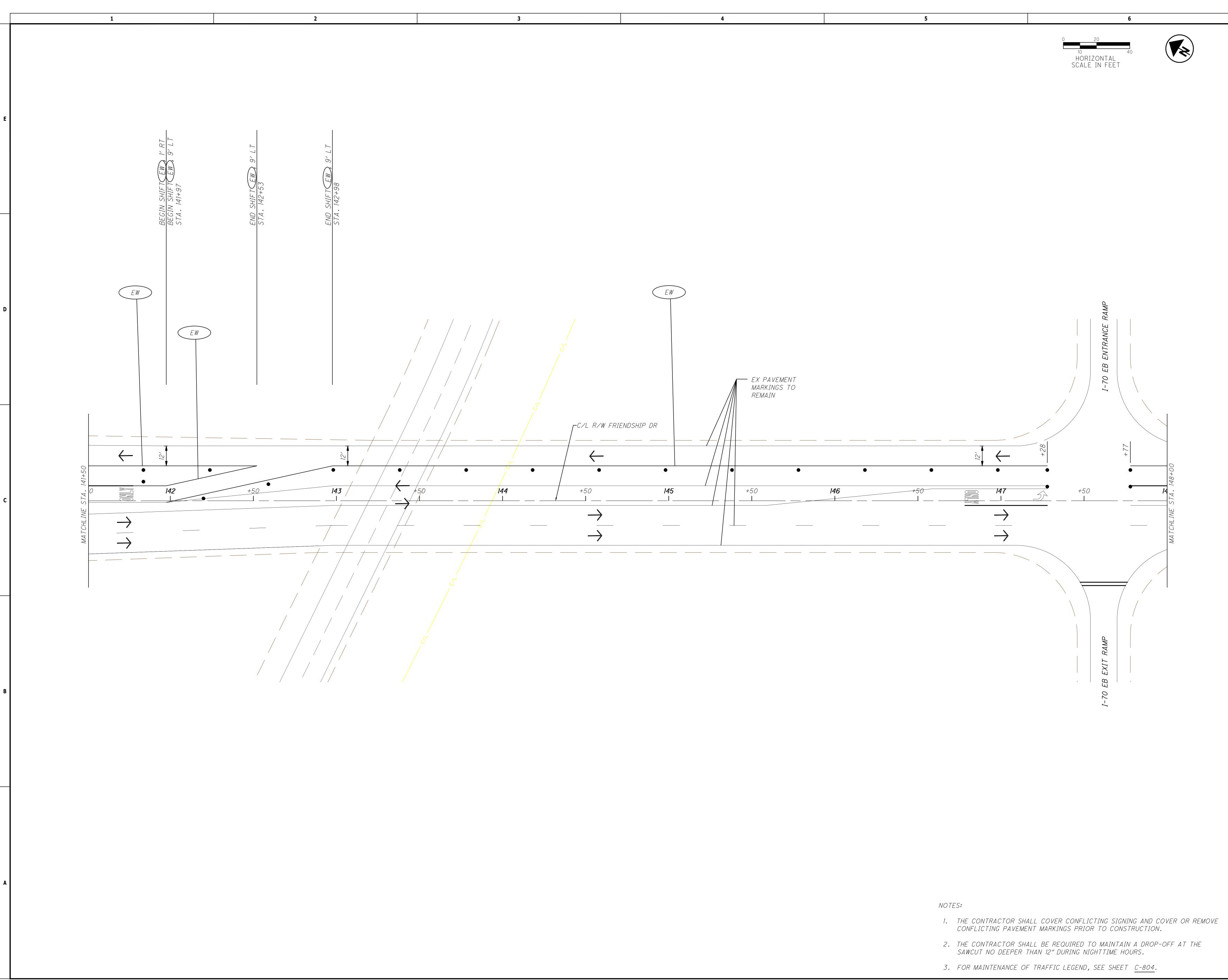
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C-804

2. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN A DROP-OFF AT THE

SAWCUT NO DEEPER THAN 12" DURING NIGHTTIME HOURS.



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W CONCORD, OH 43762

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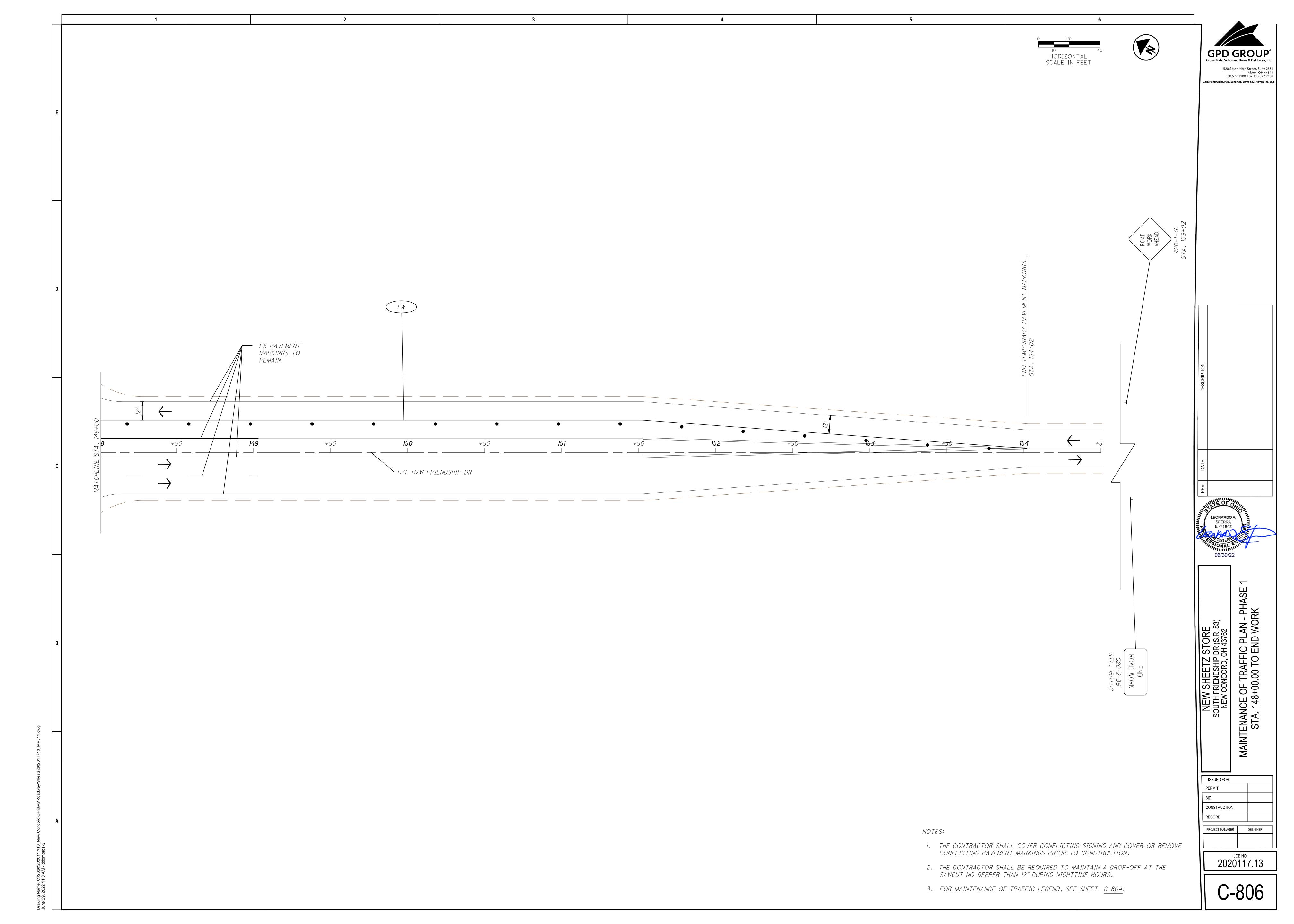
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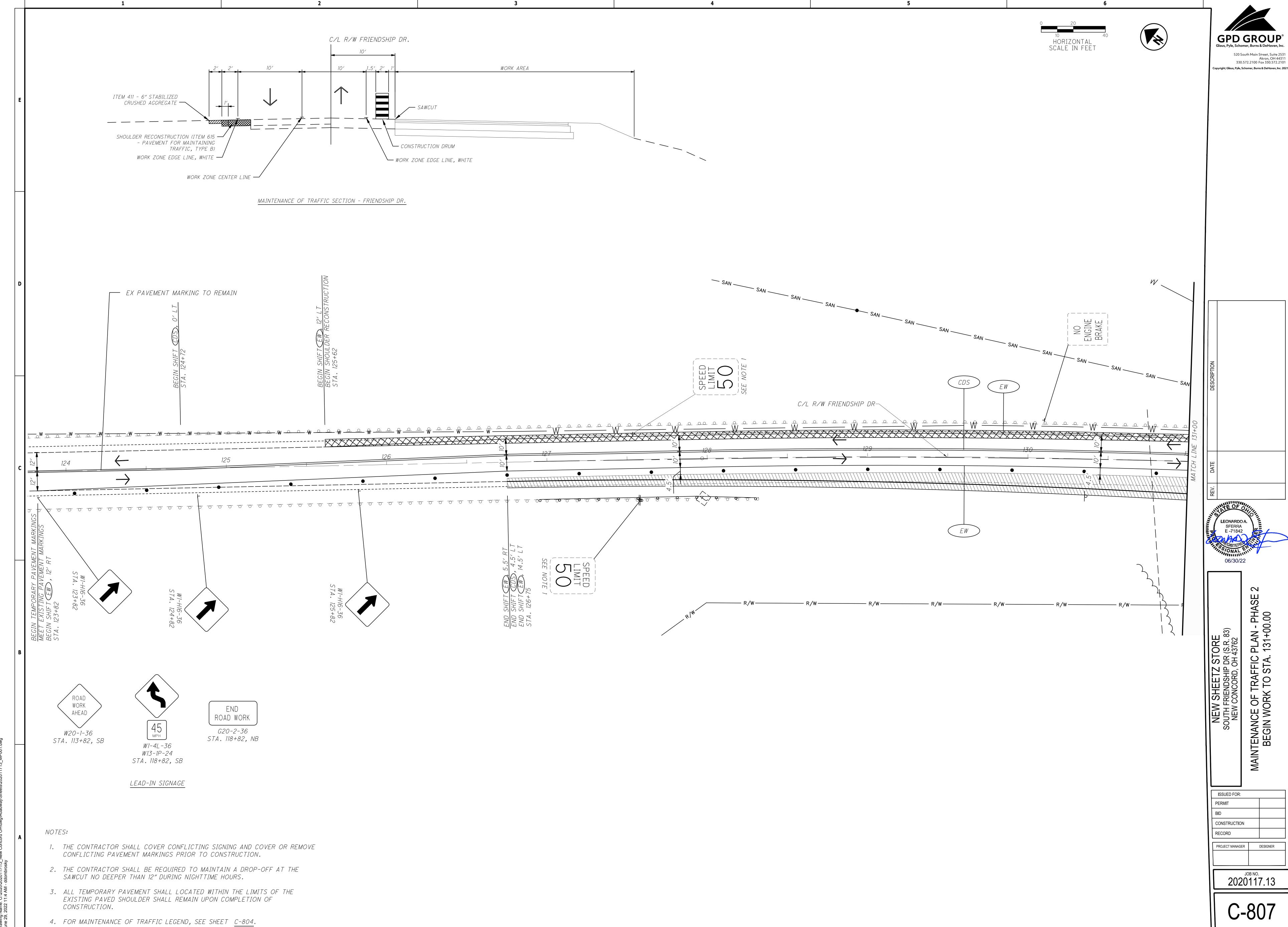
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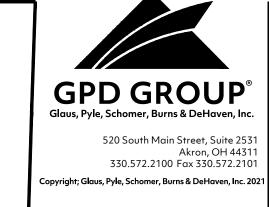
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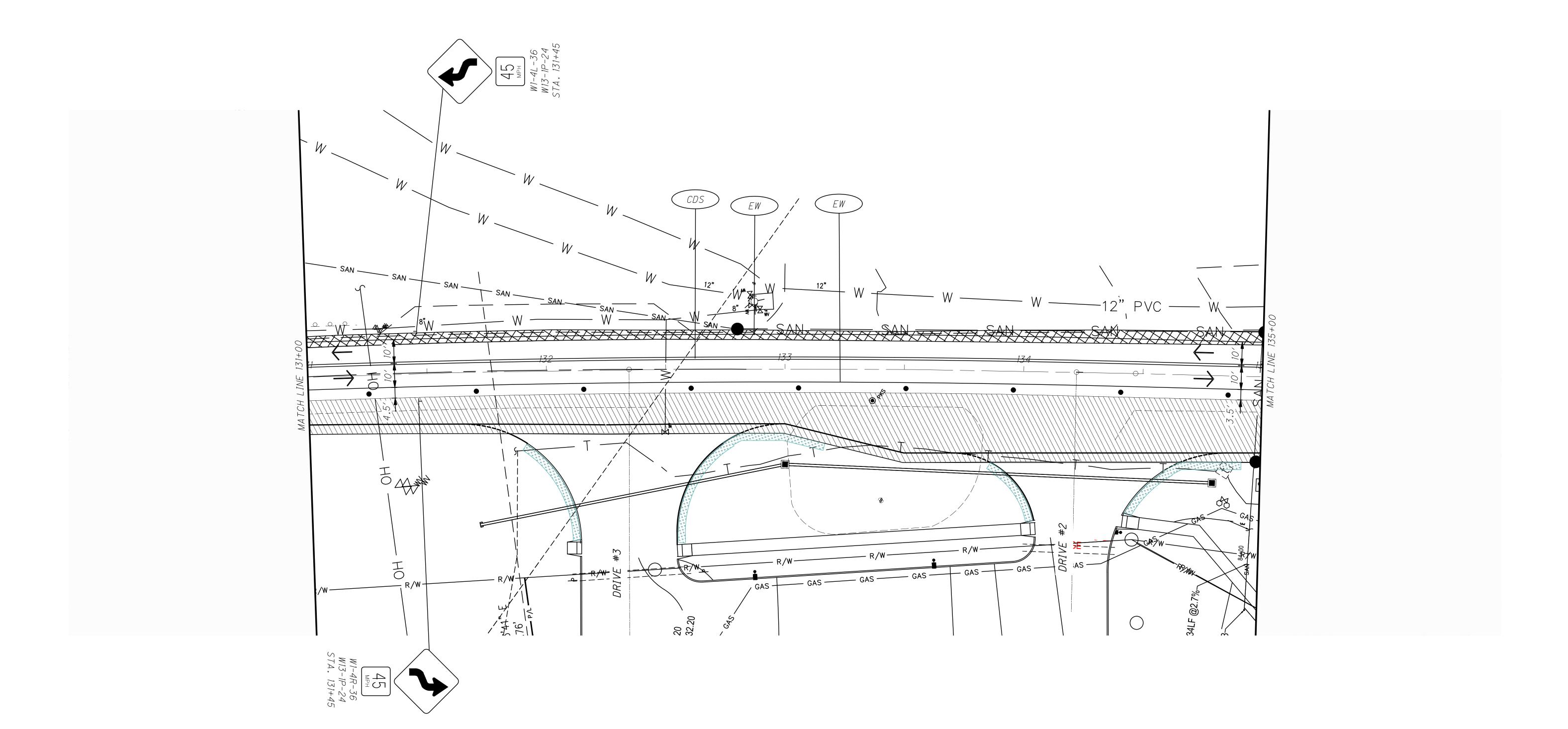












NOTES:

- 1. THE CONTRACTOR SHALL COVER CONFLICTING SIGNING AND COVER OR REMOVE CONFLICTING PAVEMENT MARKINGS PRIOR TO CONSTRUCTION.
- 2. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN A DROP-OFF AT THE SAWCUT NO DEEPER THAN 12" DURING NIGHTTIME HOURS.
- 3. ALL TEMPORARY PAVEMENT SHALL LOCATED WITHIN THE LIMITS OF THE EXISTING PAVED SHOULDER SHALL REMAIN UPON COMPLETION OF CONSTRUCTION.
- 4. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET <u>C-804</u>.

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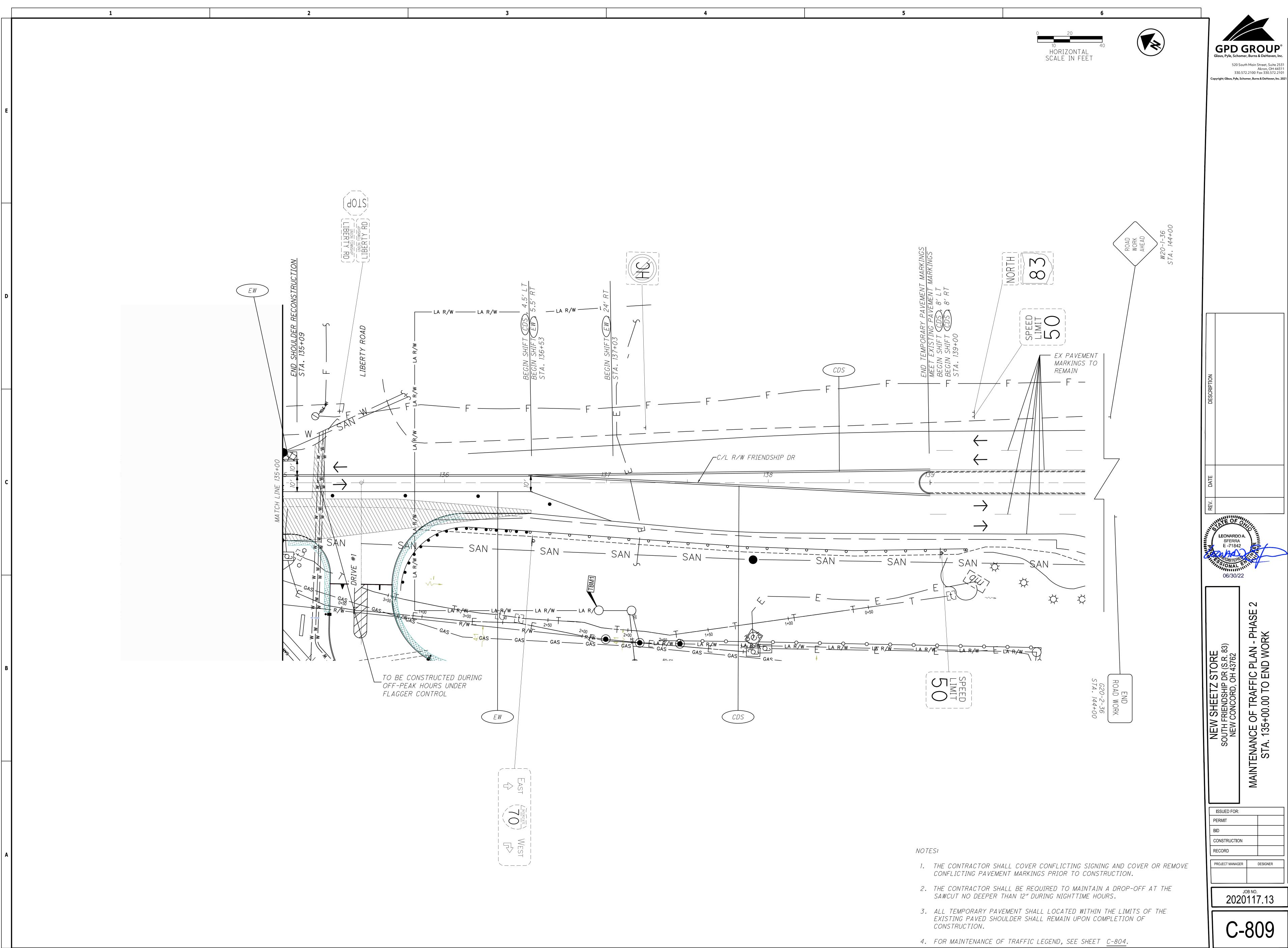
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