

LEGAL DESCRIPTION:

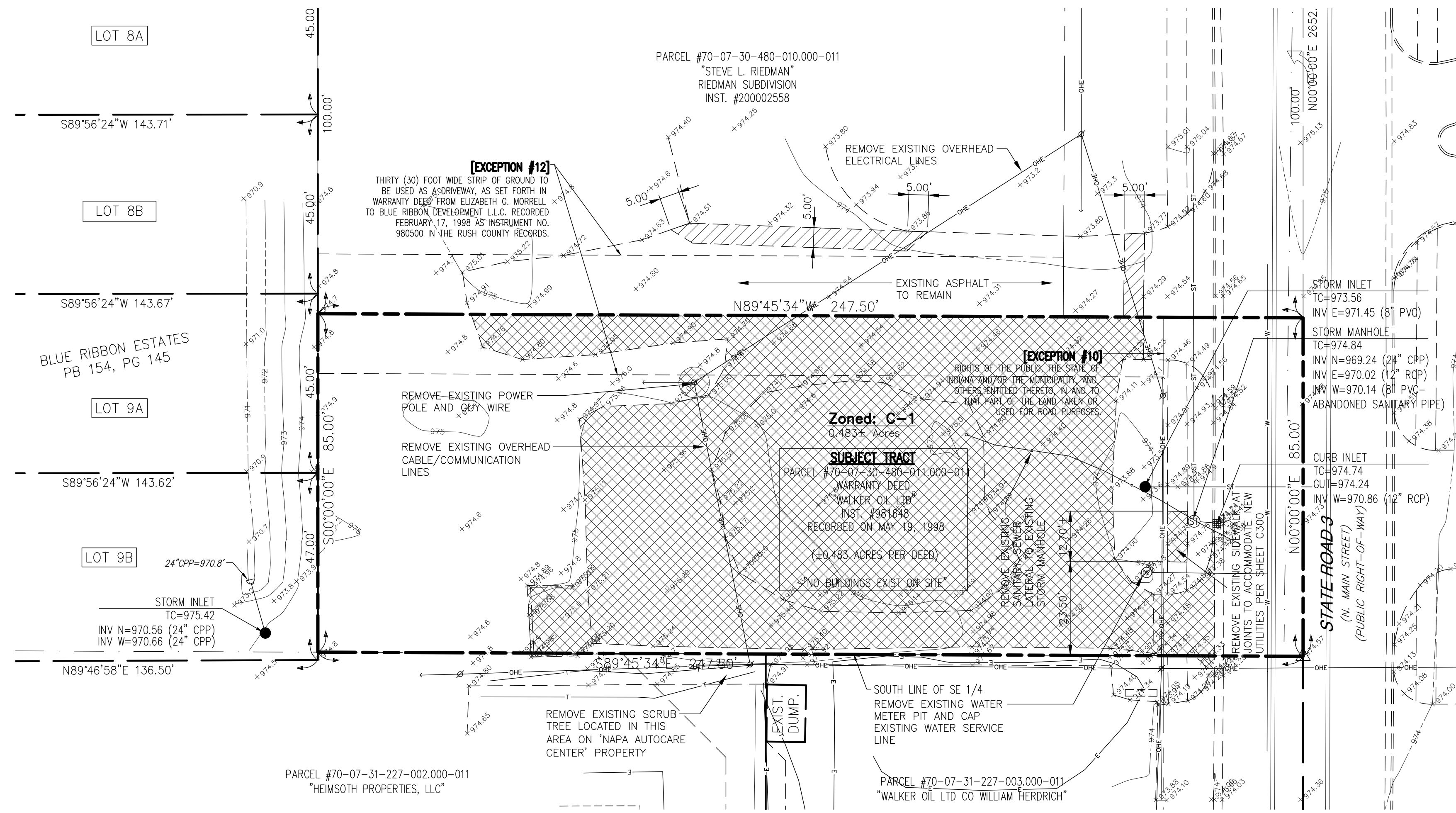
Part of the southeast quarter of Section 30, Township 14 North, Range 10 East in Rushville, Indiana, described as follows:

Beginning at the southeast corner of said southeast quarter; thence north 00 degrees 00 minutes 00 seconds east (assumed bearing) 85.00 feet along the east line of said southeast quarter; thence north 89 degrees 45 minutes 34 seconds west 247.50 feet parallel with the south line of said southeast quarter to a 1" steel stake; thence south 00 degrees 00 minutes 00 seconds east 85.00 feet parallel with the east line of said southeast quarter to the south line thereof; thence south 89 degrees 45 minutes 34 seconds east 247.50 feet along the south line of said southeast quarter to the place of beginning, containing 0.483 acres, more or less.

Schedule B, Part II Exceptions

(Fidelity National Title Insurance Company, Commitment Number 102400735, dated October 22, 2024 at 8:00 AM)

- 1., 3-9., & 11. *General title exceptions that are not matters of survey. Nothing plotted.*
2. Easements, or claims of easements, not shown by the Public Records. *All known easements that were found per title commitment or independent research are shown on survey.*
10. Rights of the public, the State of Indiana and/or the municipality, and others entitled thereto, in and to that part of the Land taken or used for road purposes. *Right-of-way shown per prior subdivision.*
12. Thirty (30) foot wide strip of ground to be used as a driveway, as set forth in Warranty Deed from Elizabeth G. Morrell to Blue Ribbon Development L.L.C. recorded February 17, 1998 as Instrument No. 980500 in the Rush County Records. *Easement shown along the North line of the subject tract.*
13. Ordinance No. 1970-8, Annexing Territory Contiguous to the City of Rushville, Indiana, recorded May 26, 1970 in Misc. Record 41 Pages 501-503 of the Rush County Records. *Annexation document that contains the subject property. Nothing plotted.*



SITE DEMOLITION PLAN
SCALE: 1" = 20.0'

BENCHMARK:

ORIGINATING BENCHMARK:
Y 251 - BENCHMARK DISK SET IN TOP OF CONCRETE MONUMENT BETWEEN 7TH STREET AND 8TH STREET ON NORTH MAIN STREET. ELEVATION= 975.73 (NAVD88)

TEMPORARY ON-SITE BENCHMARK:

TOP OF STORM MANHOLE LOCATED ON THE EAST SIDE OF THE SUBJECT SITE AND ON THE WEST SIDE OF STATE ROAD 3. ELEVATION= 974.84 (NAVD88)

FLOOD PLANE INFORMATION:

THIS LOT LIES ENTIRELY IN FLOOD HAZARD ZONE "X" AS SCALED FROM THE F.E.M.A NATIONAL FLOOD HAZARD PANELS FOR RUSH COUNTY, INDIANA, CITY OF RUSHVILLE, MAP NUMBER 18139C0164C, DATED JANUARY 07, 2015.

EROSION CONTROL INFORMATION:

SEE SITE EROSION CONTROL PLAN FOR LOCATIONS AND INSTALLATION OF ALL EROSION CONTROL MEASURES REQUIRED ON THIS SITE.

NOTE:

1. NO EARTH DISTURBING ACTIVITY MAY COMMENCE WITHOUT AN APPROVED STORM WATER MANAGEMENT PERMIT.

DEMOLITION LEGEND:

- HATCH INDICATES: ALL AREAS OF EXISTING ASPHALT, CONCRETE PAVEMENT, FOUNDATION, STOODS, AND SIDEWALKS TO BE REMOVED, AS INDICATED ON THE PLAN ABOVE, AND PREPARED FOR NEW CONSTRUCTION AS SHOWN ON C200 SITE LAYOUT PLAN
- HATCH INDICATES: ALL AREAS OF EXISTING ASPHALT TO BE MILLED 1 1/2" DEEP AS INDICATED ON THE PLAN ABOVE, AND PREPARED FOR NEW CONSTRUCTION AS SHOWN ON C200 SITE LAYOUT PLAN

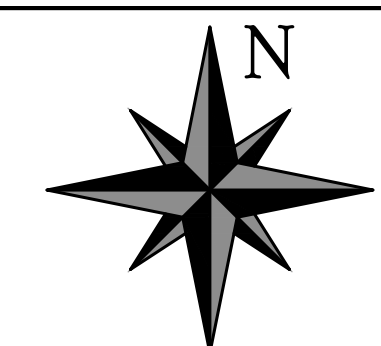
LEGEND:

- EXISTING WATER MAIN LINE
- EXISTING SANITARY SEWER LATERAL LINE
- EXISTING SANITARY SEWER MANHOLES
- EXISTING OVERHEAD UTILITY LINE
- EXISTING POWER POLES
- EXISTING UNDERGROUND ELECTRICAL LINES
- EXISTING UNDERGROUND TELEPHONE LINES
- EXISTING STORM SEWER LINE
- EXISTING STORM SEWER CURB INLETS AND MANHOLES

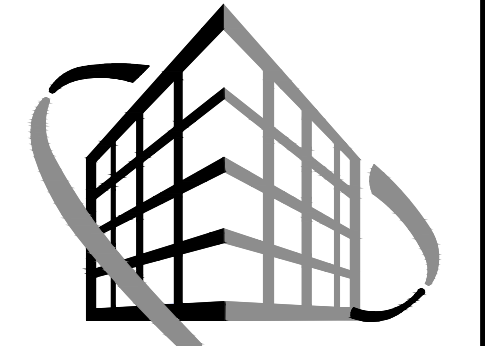


UTILITY DISCLAIMER

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REVISION

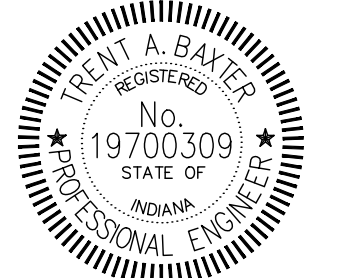


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Trent A. Baxter
CERTIFIED BY:

Dunkin'
1603 In. 3 North Main Street
Rushville, IN 46173

Existing Site Conditions
and Demolition Plan

Job No. 25028 Date Stamped 04/29/2026
Drawn By cow Checked By Scale: 1" = 20.0'

CAD FILE: c:\25028\c100 site demolition plan.dwg

THIS DRAWING IS THE PROPERTY OF VERSATILE CONSTRUCTION GROUP, LLC. ANY ALTERATION TO THIS DRAWING IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT AND UNDER THE DIRECTION OF THE PROFESSIONAL LICENSOR WHOSE SEAL IS AFFIXED TO THIS DRAWING.

SHEET TITLE:
C100

LEGAL DESCRIPTION:

Part of the southeast quarter of Section 30, Township 14 North, Range 10 East in Rushville, Indiana, described as follows:

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GENERAL PROPOSED SITE INFORMATION:

DESCRIPTIONS: AREAS:

BUILDING AREAS: PROPOSED BUILDING: 2,187.5 sq.ft.

TOTAL PROJECT AREA: 0.483± acres

ZONING: PROPERTY ZONING: C-1 (COMMERCIAL+ CORRIDOR OVERLAY DISTRICT)

NORTH ZONING: C-1 (COMMERCIAL)

SOUTH ZONING: C-1 (COMMERCIAL)

EAST ZONING: C-1 (COMMERCIAL)

WEST ZONING: RS (RESIDENTIAL)

PROPERTY BUILDING SET-BACKS:

NORTH SIDE YARD: 20.0' (MINIMUM)

SOUTH SIDE YARD: 20.0' (MINIMUM)

VARIANCE REQUIRED

EAST FRONT YARD: 45.0' (MINIMUM)

WEST REAR YARD: 20.0' (MINIMUM)

10.0' TRANSITIONAL YARD REQUIRED

PARKING INFORMATION:

PARKING SPACES REQUIRED:

RESTAURANT:

1 PER 75sq.ft. GROSS FLOOR AREA

TOTAL PARKING REQUIRED: 30 SPACES

TOTAL PARKING PROVIDED: 12 SPACES

(inc. 1 HDCP SPACE) VARIANCE REQUIRED

PARKING SPACE SIZE REQUIRED: 10' x 20' / 18'

PARKING SPACE SIZE PROVIDED: 9' x 18.5'

VARIANCE REQUIRED

PARKING SPACE OFFSET FROM PROPERTY LINE: 20' (MINIMUM)

VARIANCE REQUIRED

TOTAL BICYCLE SPACES REQUIRED/PROVIDED: 2 SPACES

DRIVE-THRU STACKING INFORMATION:

DRIVE-THRU STACKING REQUIRED:

(6) CARS BEFORE ORDER BOARD AND

(4) CARS BETWEEN ORDER BOARD AND PICK-UP WINDOW

DRIVE-THRU STACKING PROVIDED:

(2) CARS BEFORE ORDER BOARD

VARIANCE REQUIRED

AND (4) CARS BETWEEN ORDER BOARD AND PICK-UP WINDOW

GENERAL NOTES:

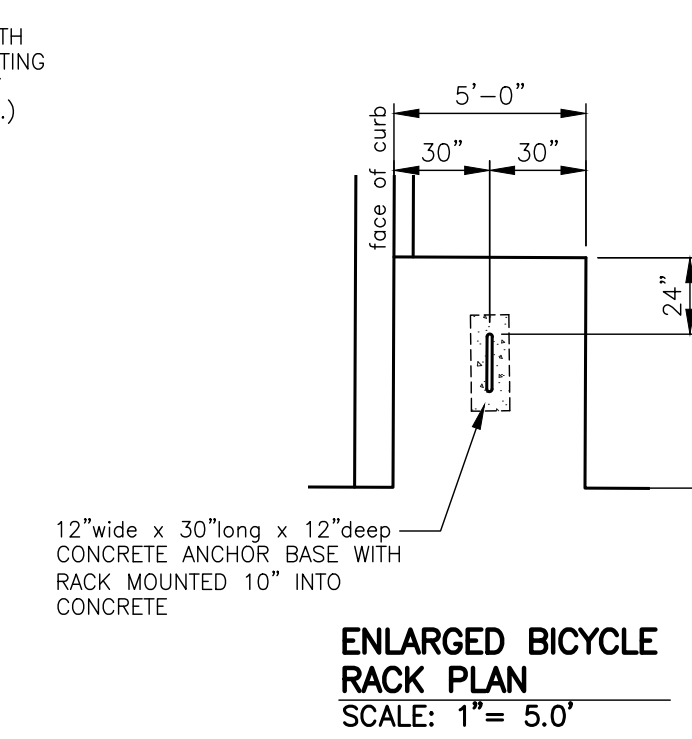
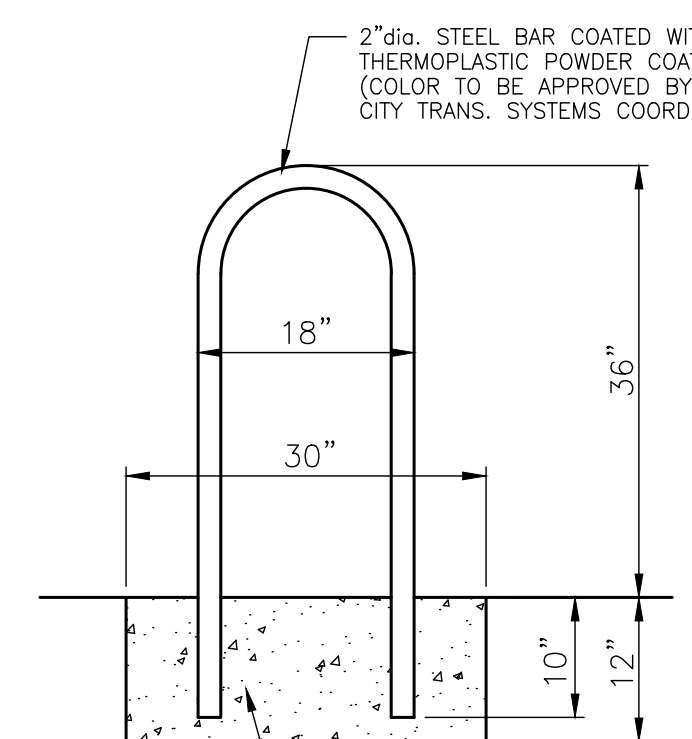
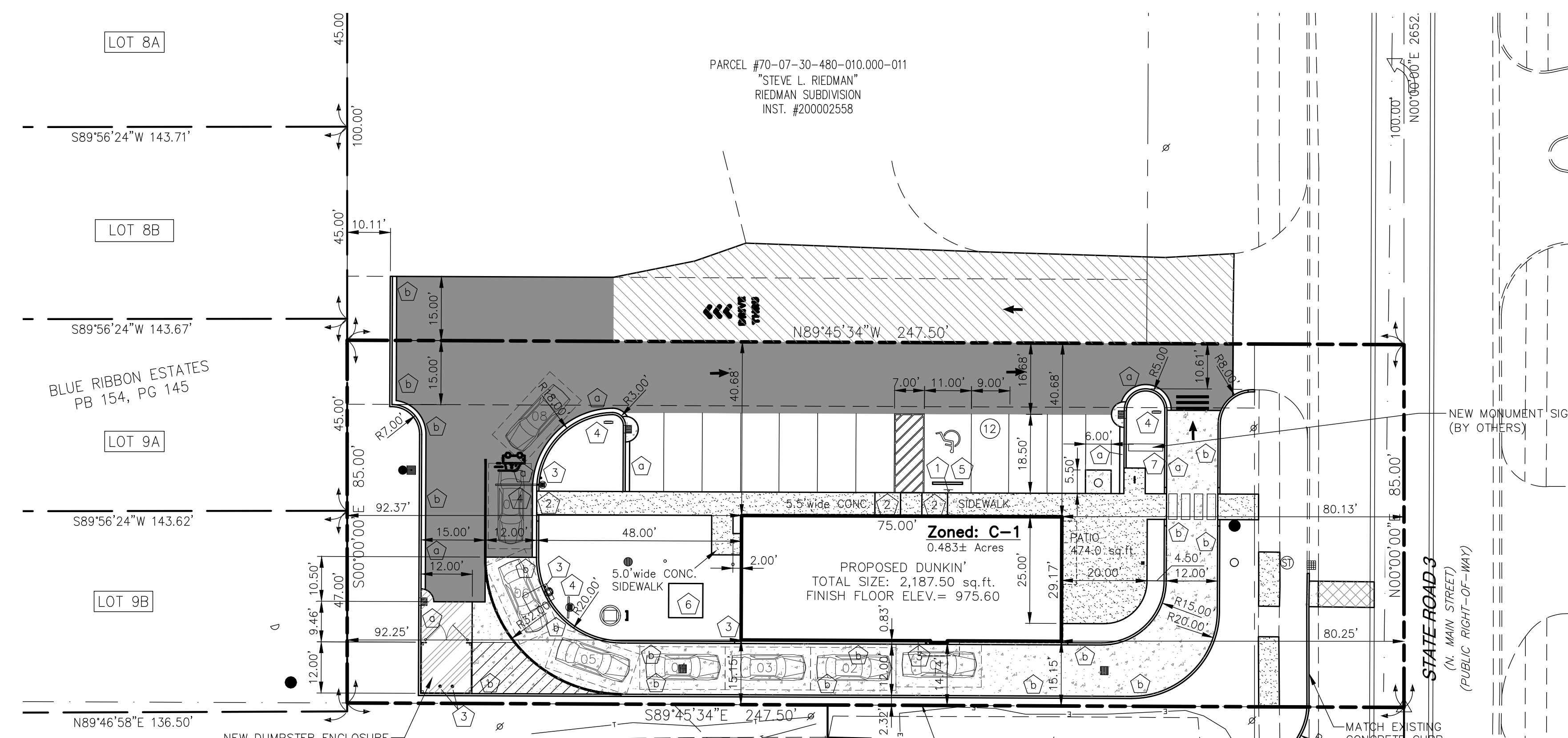
- ALL LAYOUT DIMENSIONS SHALL BE TAKEN FROM THE NEW BUILDING AND SHALL BE PARALLEL WITH THE PROPERTY LINES.
- ALL DISTURBED AREAS (CONCRETE, ASPHALT PAVEMENT, DIRT, AND GRAVEL) SHALL BE PATCHED BACK TO THEIR ORIGINAL CONDITION WITH "LIKE" CONSTRUCTION.
- GENERAL CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION.
- ALL CONCRETE SIDEWALKS SHALL HAVE TOOLED SMOOTH CONTROL JOINTS AT 5.0' C-C. (MAXIMUM) WITH 1/2" EXPANSION JOINTS AT 50.0' C-C. (MAXIMUM).
- ALL PARKING LOT PARKING SPACES TO BE STRIPED WITH "WHITE" PAINT WITH THE EXCEPTION OF HANDICAP SPACES WHICH ARE TO BE PAINTED "BLUE".

LAYOUT SYMBOL INFORMATION:

- 1 METAL HANDICAP PARKING SIGN (SEE SITEWORK DETAILS)
- 2 CONCRETE HANDICAP RAMPS (SEE SITEWORK DETAILS)
- 3 6" (CONC. FILLED) PIPE BOLLARDS (SEE SITEWORK DETAILS)
- 4 MENU BOARD, DIRECTIONAL SIGNS, HEIGHT BARS, AND SPEAKER POST (EXACT PLACEMENT, SIZE, TYPE -INC. FOUNDATION BY OTHERS) NOTE: ALL DUNKIN' SIGNS, HEIGHT BARS, MENU BOARDS, SPEAKER POST, ETC. AND ANYTHING ELSE CONCERNING THE DRIVE-THRU ELECTRICAL REQUIREMENTS SHALL BE BY OTHERS
- 5 PRE-MANUFACTURED CONCRETE PARKING BUMPERS (SEE SITEWORK DETAILS)
- 6 TRANSFORMER PAD LOCATION (CONSTRUCTED AND EXACT PLACEMENT PER LOCAL POWER COMPANY SPECIFICATIONS)
- 7 BICYCLE PARKING (SEE DETAILS, THIS PAGE)
- 8 SYMBOL INDICATED THE NUMBER OF PARKING SPACING SHOWN IN A PARTICULAR ROW

PAVEMENT INFORMATION:

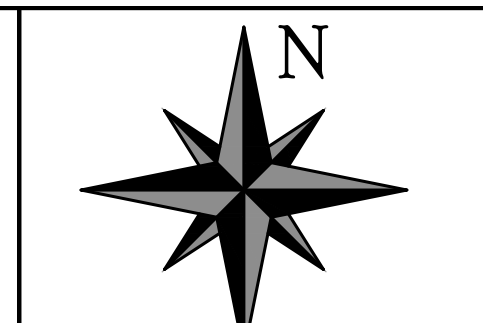
- NO HATCH INDICATES: NORMAL DUTY PAVEMENT OF 1 1/2" HOT ASPHALT SURFACE OVER 2" BITUMINOUS BASE ON 6" COMPACTED No.53 STONE BASE ON COMPACTED SUB-GRADE TOTAL AREA: 2,100.0 sq.ft. (SEE SITEWORK DETAILS)
- HATCH INDICATES: HEAVY DUTY PAVEMENT OF 1 1/2" HOT ASPHALT SURFACE OVER 4" BITUMINOUS BASE ON 8" COMPACTED No.53 STONE BASE ON COMPACTED SUB-GRADE TOTAL AREA: 5,650.0 sq.ft. (SEE SITEWORK DETAILS)
- HATCH INDICATES: HEAVY DUTY PAVEMENT OF 1 1/2" HOT ASPHALT SURFACE OVER 9" 4,000psi CONCRETE ON CONTINUOUS FLOWABLE FILL TOTAL AREA: 100.0 sq.ft. (SEE SITEWORK DETAILS)
- HATCH INDICATES: HEAVY DUTY PAVEMENT OF 1 1/2" HOT ASPHALT SURFACE OVER EXISTING PAVEMENT AND SUBGRADE TOTAL AREA: 3,025.0 sq.ft. (SEE SITEWORK DETAILS)
- HATCH INDICATES: 6" CONCRETE SLAB WITH 6-6-6 W.W.F. OVER 6" COMPACTED GRANULAR FILL ON COMPACTED SUB-GRADE TOTAL AREA: 3,225.0 sq.ft. (SEE SITEWORK DETAILS)
- HATCH INDICATES: 7" CONCRETE SLAB WITH 6-6-6 W.W.F. OVER 6" COMPACTED GRANULAR FILL ON COMPACTED SUB-GRADE TOTAL AREA: 270.0 sq.ft. (SEE SITEWORK DETAILS)
- HATCH INDICATES: 4" CONCRETE SIDEWALK WITH 6-6-6 W.W.F. OVER 4" COMPACTED GRANULAR FILL ON COMPACTED SUB-GRADE TOTAL AREA: 1,580.0 sq.ft. (SEE SITEWORK DETAILS)



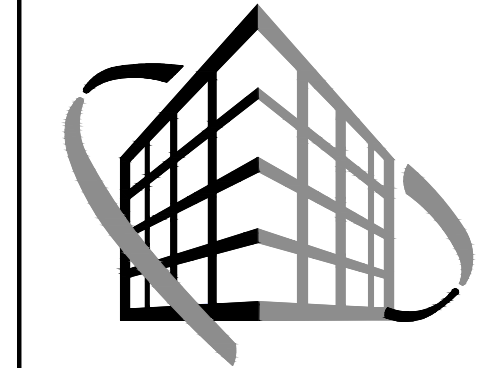
SERVICE UTILITY NOTE:
FOR ALL INFORMATION CONCERNING ANY EXISTING AND/OR PROPOSED UTILITIES SEE THE SITE UTILITY PLAN, SHEET No.C.300.

CURBING LAYOUT SYMBOL INFORMATION:

- SYMBOL INDICATES: 6" TALL CONCRETE CURB AND GUTTER PER GENERAL SITEWORK DETAILS (TOTAL LENGTH: 140.0 l.f.)
- SYMBOL INDICATES: 6" TALL CONCRETE CURB AND GUTTER WITH REVERSE SLOPE PER GENERAL SITEWORK DETAILS (TOTAL LENGTH: 510.0 l.f.)

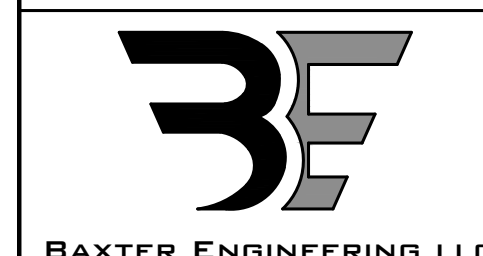


REVISION

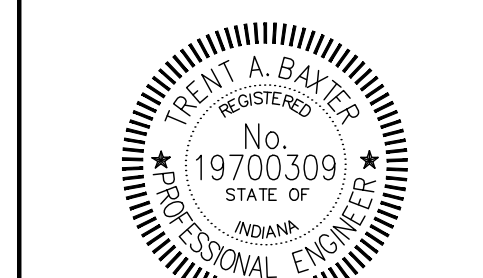


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Trent A. Baxter
CERTIFIED BY:

Dunkin'
1603 In. 3 North Main Street
Rushville, IN 46173
Site Layout Plan

Job No. 25028 Date Stamped 04/29/2026

Drawn By: cow Checked By: tab Scale: 1" = 20.0'

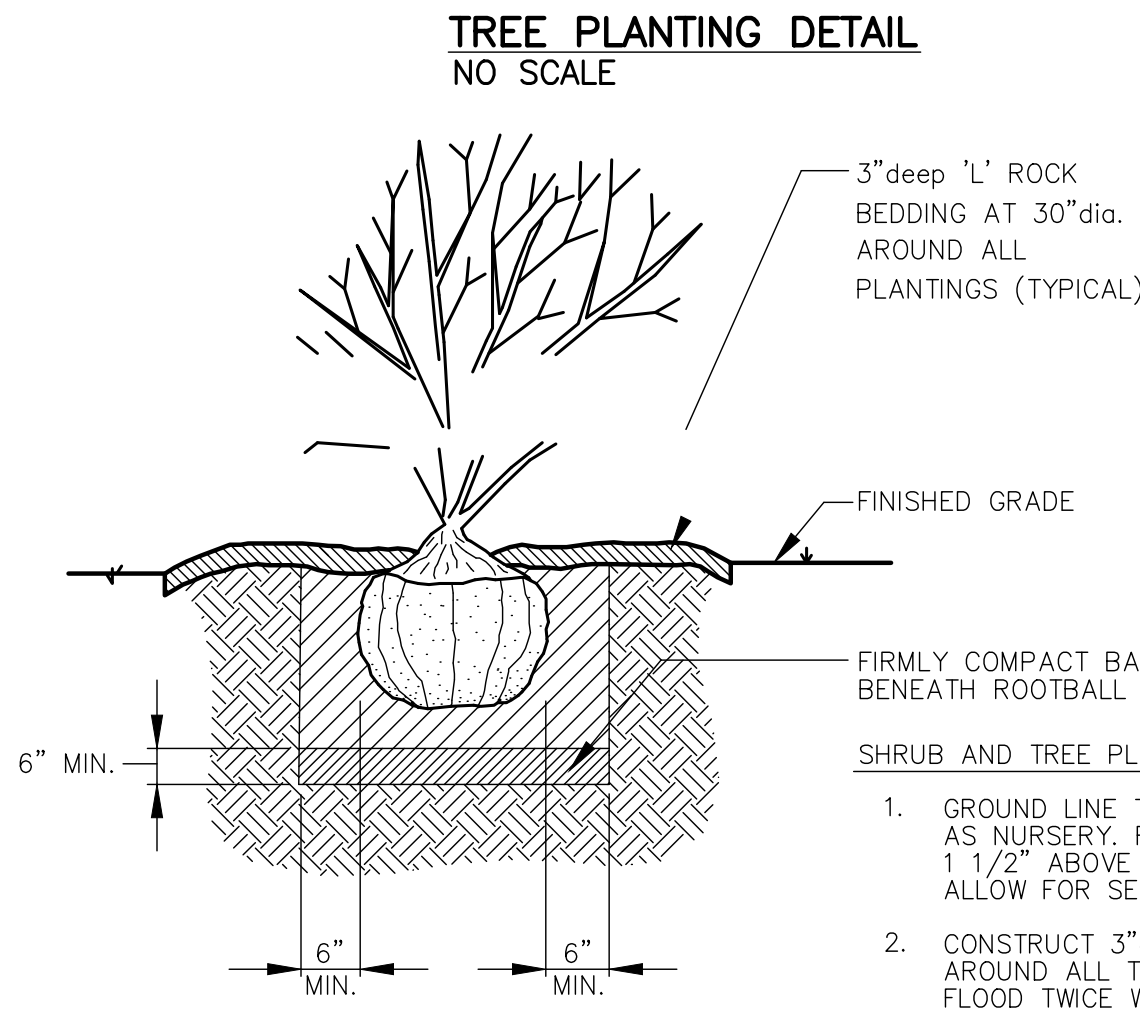
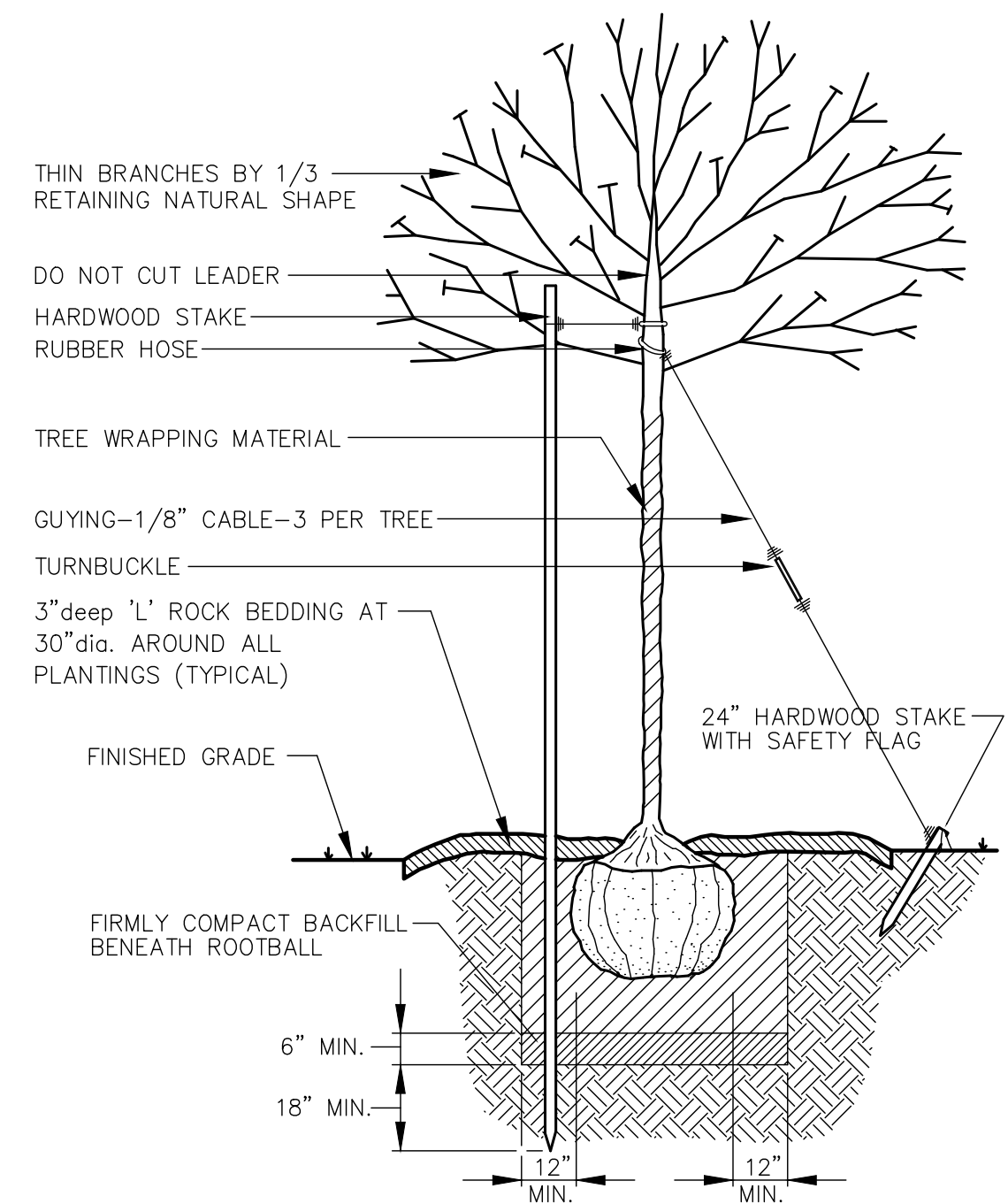
CAD FILE: 25028\c200 site layout plan.dwg

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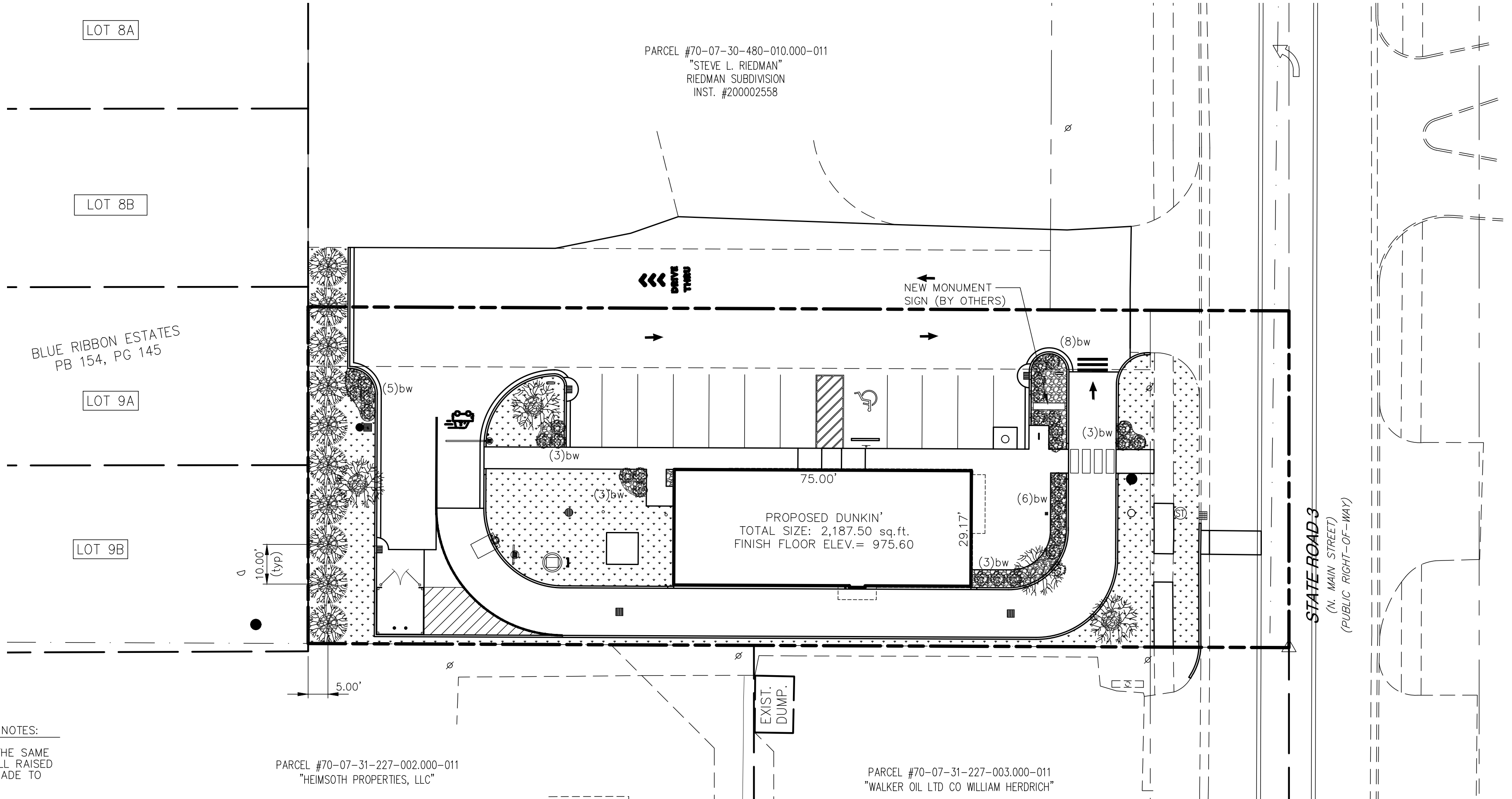
SHEET TITLE: C200



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- SHRUB AND TREE PLANTING NOTES:**
- GROUND LINE TO BE THE SAME AS NURSERY. ROOTBALL RAISED 1 1/2\"/>
 - CONSTRUCT 3\"/>
 - CUT AND REMOVE BURLAP FROM TOP OF ROOTBALL.



SITE LANDSCAPING PLAN
SCALE: 1" = 20.0'

PLANTING SPECIFICATIONS:

- ALL PLANT MATERIALS SHALL CONFORM TO THE STANDARDS SET FORTH IN THE CURRENT EDITION OF THE AMERICAN STANDARDS NURSERY STOCK OF NURSERYMEN. PLANTS SHALL BE TYPICAL OF SPECIES AND VARIETY, AND HAVE NORMAL, WELL-DEVELOPED BRANCHING STRUCTURE AND VIGOROUS FIBROUS ROOT SYSTEM.
- PLANTS SHALL BE HEALTHY, VIGOROUS PLANTS FREE FROM INSECTS AND DISEASE. TRUNK AND STEMS SHALL BE FIRM WITH NO INDICATION OF FUNGUS CANKERS OR GALLS, INSECT BORERS, DIEBACK, FRONT CRACKS, OR OTHER DEFECTS.
- ALL PLANTS SHALL BE COMMERCIAL GROWN AND NO PLANTS FROM THE WILD SHALL BE ACCEPTABLE WITHOUT SPECIFIC APPROVAL FROM THE DIVISION OF BUILDING INSPECTION.
- TREES SHALL NOT BE ACCEPTABLE IF THEIR CENTRAL LEADER HAS BEEN CUT OR IS DAMAGED SO THAT CUTTING IS NECESSARY.
- PLANTS SHALL NOT BE PRUNED PRIOR TO INSTALLATION. ANY NECESSARY PRUNING SHALL BE DONE IMMEDIATELY AFTER THE TIME OF INSTALLATION.
- PLANT HEIGHT SHALL BE MEASURED BEFORE PRUNING WITH BRANCHES IN A NORMAL POSITION. NO PLANT SHALL BE PRUNED BACK TO SUCH AN EXTENT THAT IT NO LONGER MEETS THE REQUIRED SIZE SPECIFICATIONS.
- ALL DECIDUOUS AND EVERGREEN TREES SHALL BE BALLED AND BURLAPPED. NO BARE ROOT TREES SHALL BE ACCEPTABLE.
- THE MINIMUM SIZE OF BALLS, BALL DEPTHS, AND BALL DIAMETERS SHALL BE IN ACCORDANCE WITH RECOMMENDED BALLING AND BURLAPPING SPECIFICATIONS AS SET FORTH IN THE CURRENT EDITION OF THE AMERICAN STANDARDS OF NURSERY STOCK.
- ALL BALLED AND BURLAPPED PLANTS WHICH CANNOT BE PLANTED IMMEDIATELY SHALL BE SEALED IN AND PROTECTED WITH BURLAP OR OTHER ACCEPTED MATERIAL.
- IDEAL TREES SELECTED FOR THIS PROJECT HAVE A STRAIGHT TRUNK, ROUNDED OR OVAL FORM, AND SYMMETRICAL BRANCHING PATTERN.
- ALL TREES AND SHRUBS SHOWN ON THIS DRAWING SHALL BE PLACED IN A MANNER TO ALLOW FOR AMPLE ROOM TO DEVELOP.
- IF WORK IS REQUIRED WITHIN THE EASEMENTS CAUSING REMOVAL OR DAMAGE OF LANDSCAPE MATERIALS, THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR REPLACEMENT OF MATERIALS ACCORDING TO THE APPROVED LANDSCAPE PLAN.
- INSTALLATION OF A WEED BARRIER IS REQUIRED IN ALL MULCHED/ LANDSCAPED AREAS.

Seasonal Soil Protection Chart

TABLE "A"
SEASONAL SOIL PROTECTION CHART

STABILIZATION PRACTICE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING	A											
DORMANT SEEDING	B		C								B	
TEMPORARY SEEDING	C											
SEEDING	D											
MULCHING	E											

A= KENTUCKY BLUEGRASS 40 LBS/ACRE; CREEPING RED FESCUE 40 LBS/ACRE; PLUS 2 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 20 LBS/ACRE.
 B= KENTUCKY BLUEGRASS 60 LBS/ACRE; CREEPING RED FESCUE 60 LBS/ACRE; PLUS 2 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 30 LBS/ACRE.
 C= SPRING OATS 3BUSH/ACRE.
 D= WHEAT OR RYE 2 BUSH/ACRE.
 E= ANNUAL RYEGRASS 40 LBS/ACRE. (1 LB/1,000 S.F.)
 F= SOD.
 G= STRAW MULCH 2 TONS/ACRE.
 1/2" = IRRIGATION NEEDED DURING JUNE, JULY AND / OR SEPT.
 •• = IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD.

Landscaping Notes

- All plant materials to meet minimum standards set by American Association of Nurserymen, latest published addition of American Standard for Nursery Stock.
- All areas disturbed by construction and not otherwise paved or landscaped and all lawn areas shall be seeded with straw as specified.
- All lawn areas to be raked smooth, fertilized and watered prior to seeding.

% of mix.	Name of grass	Application
39.86%	Falcon IV tall fescue	1.5 #/1,000 sq.ft.
29.80%	Scorpion II tall fescue	1.5 #/1,000 sq.ft.
29.60%	Six point tall fescue	1.5 #/1,000 sq.ft.
00.72%	Inert	1.5 #/1,000 sq.ft.
00.02%	Other weeds	1.5 #/1,000 sq.ft.
- Planting soil for tree and shrub pits to be backfilled with the soil that was removed from the planting pit.

NOTE:
ALL DISTURBED AREAS (OVER THIS ENTIRE PROJECT DEVELOPMENT) SHALL BE FINISH GRADED AND SEEDED PER EROSION CONTROL PLANS PRIOR TO COMPLETION.

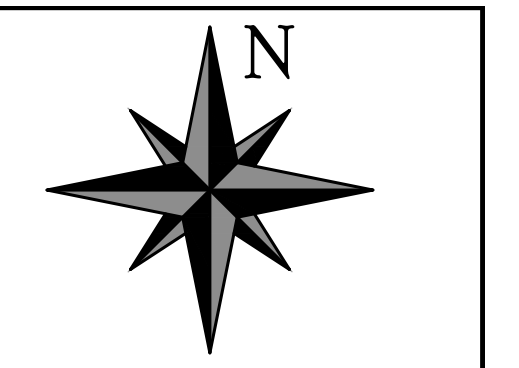
LANDSCAPE LEGEND:

- DECIDUOUS ORNAMENTAL TREES:
BOTANICAL NAME: CERCIS CANADENSIS
COMMON NAME: EASTERN REDBUD
CALIPER: 1 1/2" (single stem)
QUANTITY: 04
5.0'dia. 'L' ROCK LANDSCAPING STONE
- EVERGREEN SCREENING TREES:
BOTANICAL NAME: THUJA GREEN GIANT ARBORVITAE
COMMON NAME: GREEN GIANT ARBORVITAE
CALIPER: 1 1/2" (single stem)
QUANTITY: 10
5.0'dia. 'L' ROCK LANDSCAPING STONE
- EVERGREEN SHRUB:
BOTANICAL NAME: BUXUS CALYCANTHUS
COMMON NAME: MELANOCARPA BOXWOOD
HEIGHT AT PLANTING: 18" (MIN)
QUANTITY: 31
(MATURE HT. = 24" tall)
- HATCH INDICATES:
AREAS OF LAWN (SEEDED) ON THIS PROJECT
- HATCH INDICATES:
AREAS OF 'L' ROCK STONE BEDDING ON THIS PROJECT



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Professional Engineer Seal for Trent A. Baxter, No. 19700309, State of Indiana. Certified by: Trent A. Baxter.

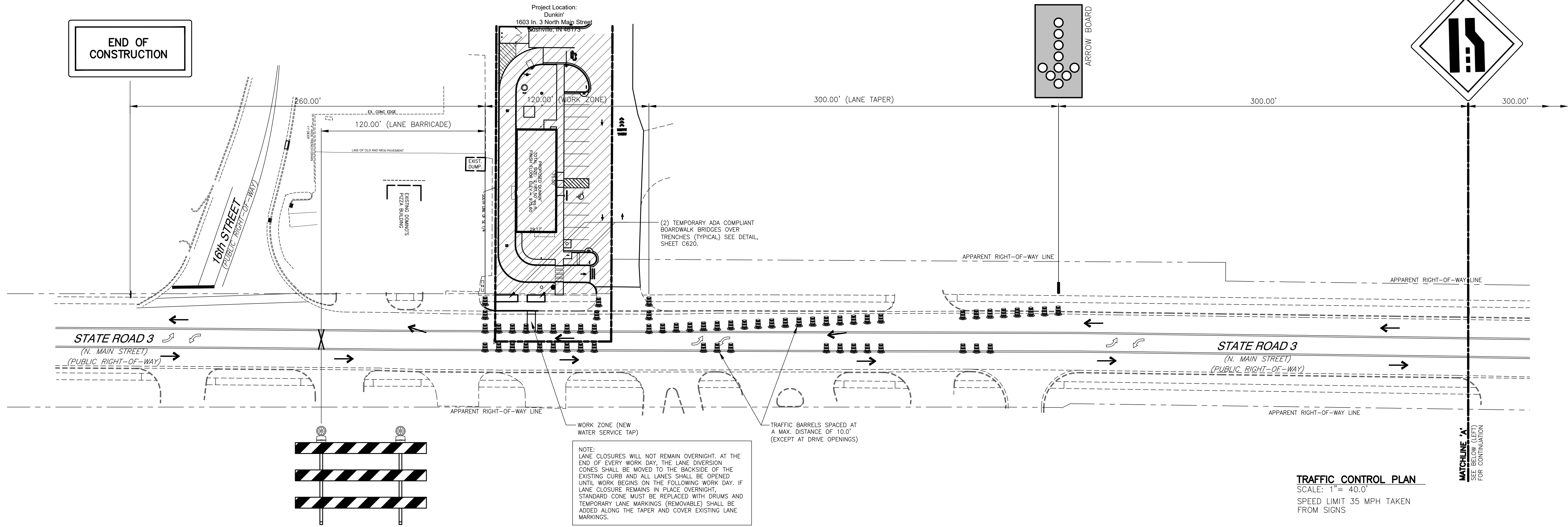
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Site Landscaping Plan

Job No. 25028	Date Stamped 04/29/2026
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Drawn By cow	Checked By tab	Scale: 1" = 20.0'
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CAD FILE:
C:\25028\c210 site landscaping plan.dwg
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SHEET TITLE:
C210



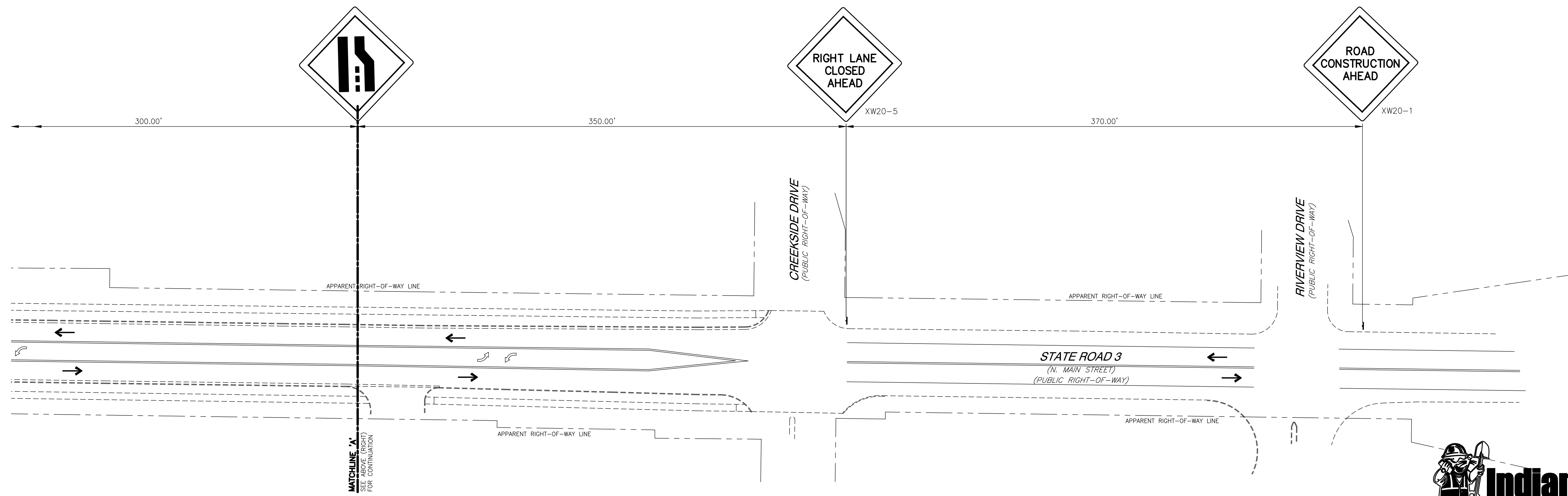
REVISION

VERSATILE CONSTRUCTION GROUP, LLC.
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REGISTERED PROFESSIONAL ENGINEER
No. 19700309
STATE OF INDIANA

Trud R. Baxter
CERTIFIED BY:



UTILITY DISCLAIMER
EXISTING UNDERGROUND INSTALLATIONS SUCH AS WATER MAINS, GAS MAINS, SEWERS, TELEPHONE LINES, AND BURIED STRUCTURES IN THE VICINITY OF THE WORK TO BE DONE HEREUNDER ARE INDICATED ON THE DRAWINGS ONLY TO THE EXTENT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE SURVEYOR IN PREPARING THIS DRAWING. THERE IS NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION, AND ALL RESPONSIBILITY FOR ACCURACY AND COMPLETENESS THEREOF IS EXPRESSLY DISCLAIMED.

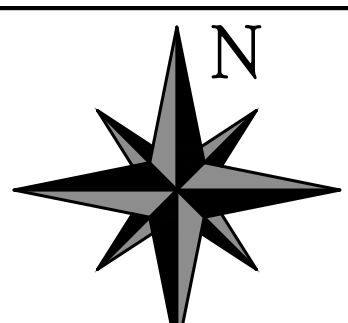
Dunkin'
1603 In. 3 North Main Street
Rushville, IN 46173
Site Traffic Control and
Pedestrian MOT Plan

Job No. 25028	Date Stamped 04/29/2026
Drawn By caw	Checked By Scale: tab 1" = 40.0'

CAD FILE:
G:\25028\c220 site traffic control plan.dwg

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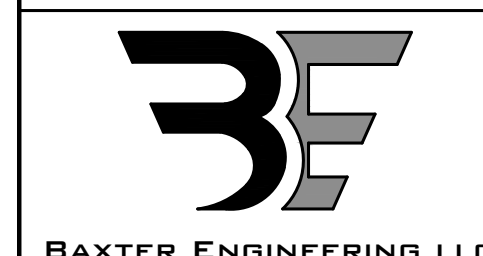
SHEET TITLE:
C220



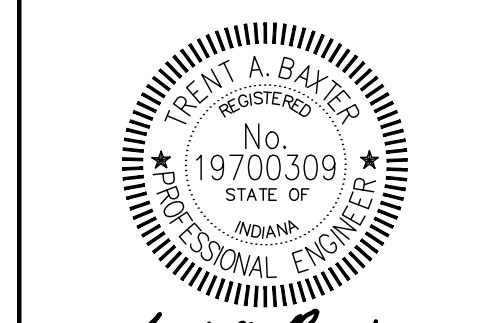
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Trent A. Baxter
CERTIFIED BY:

Dunkin'
1603 In. 3 North Main Street
Rushville, IN 46173

Site Utility Plan

Job No. 25028 Date Stamped 04/29/2026

Drawn By: cow Checked By: tab Scale: 1" = 20.0'

CAD FILE: c:\25028\c300 site utility plan.dwg

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SHEET TITLE:

C300

UTILITY CONSTRUCTION NOTES:

1. Site Contractor shall have approval of all governing agencies having jurisdiction over these systems prior to any installations.
2. The Sanitary Sewer pipe material shall be pvc unless otherwise noted. All pipes shall meet the ASTM 3034 with the wall thickness equal to SDR 35. The pipe shall be joined with rubber ring gaskets as specified in ASTM 3034 and shall be installed in accordance with ASTM 2321. Furthermore the pipe material cell classification shall be 12454B as per ASTM 1784.
3. All trenching, pipe laying, and backfilling shall be in accordance with all federal OSHA regulations.
4. Site contractor shall be responsible for repairs to any existing utilities damaged during construction.
5. The contractor shall refer to the Architect's plans and specifications for the actual location of all utility entrances to include sanitary sewer laterals, domestic and fire protection water services, electrical, telephone, and gas services. The contractor shall coordinate installation of utilities in such a manner as to avoid conflicts and assure proper depths are achieved, as well as coordinating with the regulatory agency as to the location and scheduling of all tie-ins/connections to said services.
6. All vertical bends on the proposed water mains shall be restrained with a mechanical joint fittings supplied with retainer glands. Any joints 25 feet or less from either side of the vertical bends shall be restrained with a retainer gland.
7. All dimensions shown here are to centerline of pipe, fitting, or structure.
8. All valves shall be installed in a cast iron valve box with cover.
9. Thrust blocking shall be provided at all horizontal bends, tees, and fire hydrants.
10. The minimum cover depths of all water line/mains shall be 54" deep.
11. All pipes 3" in diameter and smaller shall be type K copper. All fittings shall be copper or cast bronze. All joints shall be solder or flare type joints.
12. The minimum horizontal separation between the closest two points of the water service and sanitary sewer service lines is to be ten feet (10'). The minimum vertical separation between the closest two points of the water service and sanitary sewer service lines is twenty-four inches (24").
13. All water mains shall be hydrostatically tested and disinfected before acceptance, as per AWWA standard specifications.

WATER SERVICE NOTE:

1. ALL WATER LINES INCLUDED IN THIS PROJECT SHALL BE PRIVATELY OWNED AND MAINTAINED.
2. ALL NEWLY INSTALLED WATER LINES SHALL MEET OR EXCEED THE STANDARDS FOR PUBLIC UTILITIES AND SHALL BE TESTED PER THE CITY OF RUSHVILLE TESTING SPECIFICATIONS.
3. ALL NEWLY INSTALLED WATER METERS SHALL BE OBTAINED FROM THE LOCAL WATER COMPANY.
4. ALL WATER SERVICE PIPING SHALL HAVE WARNING TAPE AND (3) STRANDS OF 10ga. (INSULATED) COPPER LOCATOR WIRE (typical)

ELECTRICAL NOTE:

TOP OF ALL NEW ELECTRICAL SERVICE CONDUITS SHALL BE INSTALLED AT A MINIMUM OF 36" BELOW FINISH GRADE.

NOTE: ALL DUNKIN' SIGNS, HEIGHT BARS, MENU BOARDS, SPEAKER POST, ETC. AND ANYTHING ELSE CONCERNING THE DRIVE-THRU ELECTRICAL REQUIREMENTS SHALL BE BY OTHERS.

SANITARY SEWER NOTES:

1. ALL SANITARY SEWERS INCLUDED IN THIS PROJECT SHALL BE PRIVATELY OWNED AND MAINTAINED.
2. ALL NEWLY INSTALLED SANITARY SEWERS SHALL MEET OR EXCEED THE STANDARDS FOR THE PUBLIC SEWERS AND SHALL BE TESTED PER THE CITY OF RUSHVILLE TESTING SPECIFICATIONS.
3. ALL SANITARY SEWER LATERAL PIPING SHALL HAVE WARNING TAPE AND (3) STRANDS OF 10ga. (INSULATED) COPPER LOCATOR WIRE (typical)
4. GREASE INTERCEPTOR SHALL BE LOCATED IN THE PROPOSED STRUCTURE. SEE ARCHITECTURAL PLANS FOR LOCATION AND SIZE.

SANITARY SEWER PIPING INSTALLATION:

- (A) 35.70 L.F. OF 6"(sdr35) pvc SANITARY SEWER LATERAL AT 5.59% SLOPE
- (B) 48"dia. x 10.67' deep SANITARY SEWER DUPLEX LIFT STATION WITH (2) ZOELLER E840 (2 H.P.) AUTO-REVERSING GRINDER PUMPS, 230, 1ø T.C.= 974.85
INV. IN 6"(sdr35) NE= 968.60
INV. OUT 2"(sdr35) S= 971.68
(SEE DETAILS, SHEET C305)
- (C) 196.54 L.F. OF 2"(sdr35) pvc SANITARY SEWER LATERAL (SEE SHEET No.C305 FOR PROFILE)

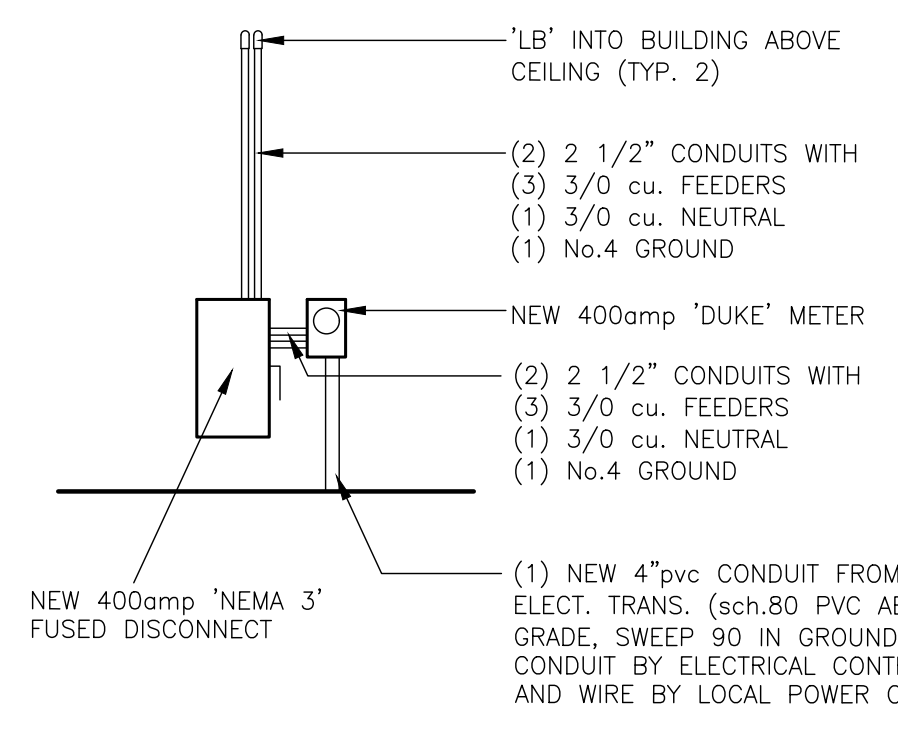
SITE UTILITY PLAN
SCALE: 1" = 20.0'

STORM SEWER UTILITY NOTE:

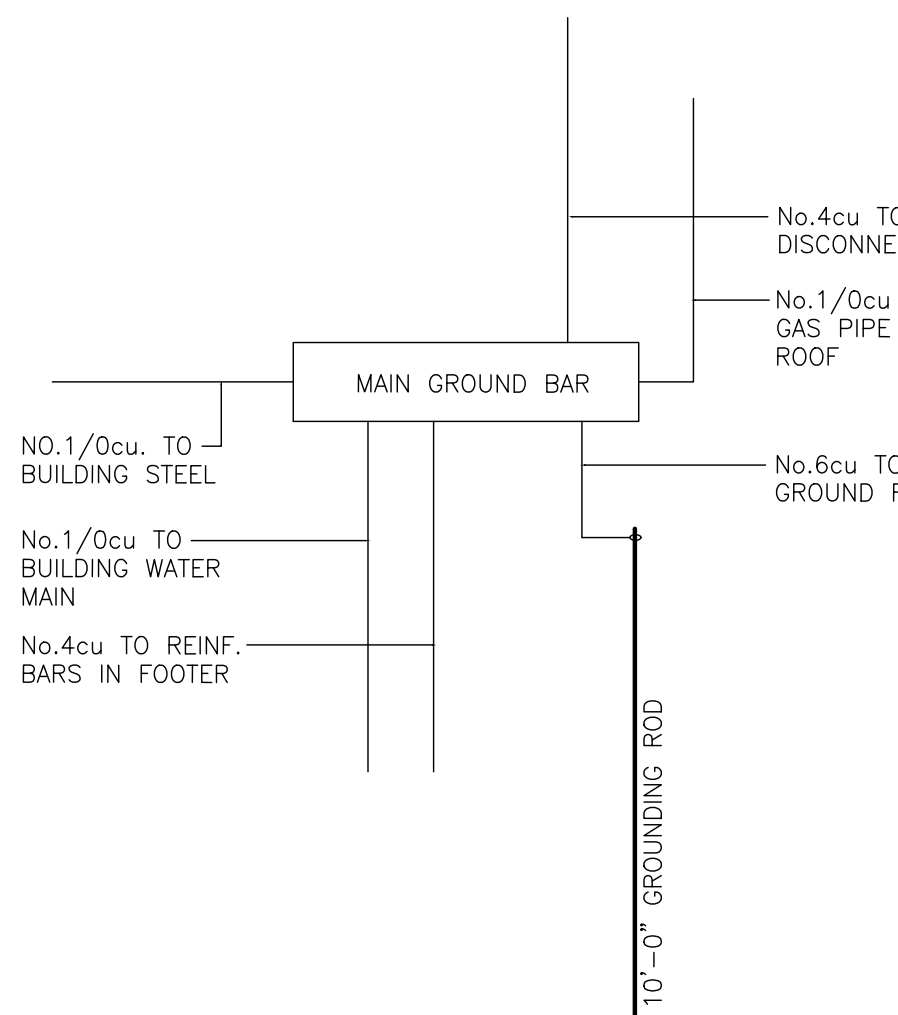
FOR ALL INFORMATION CONCERNING ANY EXISTING AND/OR PROPOSED STORM WATER UTILITIES SEE THE SITE STORMWATER PIPING PLAN, SHEET No.C410.

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ELECTRICAL RISER DIAGRAM
scale: n.t.s.



GROUNDING RISER
scale: n.t.s.

LEGEND:

W	EXISTING WATER MAIN LINE	---	PROPOSED WATER SERVICE LINE
S	EXISTING SANITARY SEWER LATERAL LINE	---	PROPOSED SANITARY SEWER SERVICE LINE
⊙	EXISTING SANITARY SEWER MANHOLES	type 1 co.	SCREW TOP SANITARY SEWER CLEANOUTS
OH	EXISTING OVERHEAD UTILITY LINE	type 2 co.	type 1 PVC SCREW CAP LIDS co. (PER SITEWORK DETAILS)
⊘	EXISTING POWER POLES		type 2 PVC SCREW CAP LIDS co. (PER SITEWORK DETAILS)
E	EXISTING UNDERGROUND ELECTRICAL LINES	ⓔ	PROPOSED UNDERGROUND ELECTRICAL LINE
T	EXISTING UNDERGROUND TELEPHONE LINES		PROPOSED ELECTRICAL METER
ST	EXISTING STORM SEWER LINE	---	PROPOSED UNDERGROUND COMMUNICATION LINES
⊙	EXISTING STORM SEWER CURB INLETS AND MANHOLES	---	PROPOSED GAS LINES
		---	PROPOSED GAS METERS
		---	PROPOSED STORM SEWER PIPES
		---	PROPOSED STORM SEWER CURB INLETS

Sanitary Sewer Easement
In Section 31 Township 14 North Range 10 East
City of Rushville, Rush County, Indiana

EASEMENT No.1
A PART OF THE NORTHEAST QUARTER OF SECTION 31, TOWNSHIP 14 NORTH, RANGE 10 EAST, IN THE CITY OF RUSHVILLE, INDIANA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHEAST CORNER OF SAID QUARTER SECTION; THENCE NORTH 89 DEGREES 45 MINUTES 34 SECONDS WEST AND ALONG THE NORTH LINE OF SAID QUARTER, 135.00 FEET TO THE NORTHEAST CORNER OF A 0.747 ACRE DESCRIBED IN INSTRUMENT 20110001099 AND THE TRUE POINT OF BEGINNING OF THIS DESCRIPTION; THENCE SOUTH 00 DEGREES 00 MINUTES 02 WEST AND ALONG THE EAST LINE OF SAID PARCEL, 131.00 FEET TO THE SOUTHEAST CORNER OF SAID PARCEL AND THE NORTH RIGHT OF WAY LINE OF SIXTEENTH STREET; THENCE SOUTH 89 DEGREES 45 MINUTES 34 SECONDS WEST ON THE SOUTH LINE OF SAID PARCEL AND THE NORTH RIGHT OF WAY LINE OF SIXTEENTH STREET, 10.00 FEET; THENCE NORTH 00 DEGREES 00 MINUTES 02 SECONDS EAST AND PARALLEL TO THE SAID EAST LINE, 105.03 FEET; THENCE NORTH 44 DEGREES 59 MINUTES 58 SECONDS WEST, 36.89 FEET TO THE NORTH LINE OF SAID PARCEL; THENCE SOUTH 89 DEGREES 45 MINUTES 34 SECONDS EAST AND WITH THE NORTH LINE OF SAID PARCEL, 36.09 FEET TO THE POINT OF BEGINNING.

EASEMENT No.2
A PART OF THE NORTHEAST QUARTER OF SECTION 31, TOWNSHIP 14 NORTH, RANGE 10 EAST, IN THE CITY OF RUSHVILLE, INDIANA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHEAST CORNER OF SAID QUARTER SECTION; THENCE NORTH 89 DEGREES 45 MINUTES 34 SECONDS WEST AND ALONG THE NORTH LINE OF SAID QUARTER, 135.00 FEET TO THE NORTHEAST CORNER OF A 0.499 ACRE OWNED BY WALKER OIL LTD CO WILLIAM HERDRICH A; THENCE SOUTH 00 DEGREES 00 MINUTES 02 WEST AND ALONG THE WEST LINE OF SAID PARCEL, 21.79 FEET TO A POINT AND THE TRUE POINT OF BEGINNING OF THIS DESCRIPTION; THENCE SOUTH 44 DEGREES 59 MINUTES 58 SECONDS EAST, 7.07 FEET; THENCE SOUTH 00 DEGREES 00 MINUTES 02 SECONDS WEST AND PARALLEL WITH THE WEST LINE OF SAID PARCEL 104.23 FEET TO THE SOUTH LINE OF SAID PARCEL AND THE NORTH RIGHT OF WAY OF SIXTEENTH STREET; THENCE SOUTH 89 DEGREES 45 MINUTES 34 SECONDS WEST WITH THE SAID SOUTH LINE AND RIGHT OF WAY LINE, 5.00 FEET TO SOUTHWEST CORNER OF SAID PARCEL; THENCE NORTH 00 DEGREES 00 MINUTES 02 SECONDS ALONG THE WEST LINE OF SAID PROPERTY 109.21 FEET TO THE TRUE POINT OF BEGINNING.

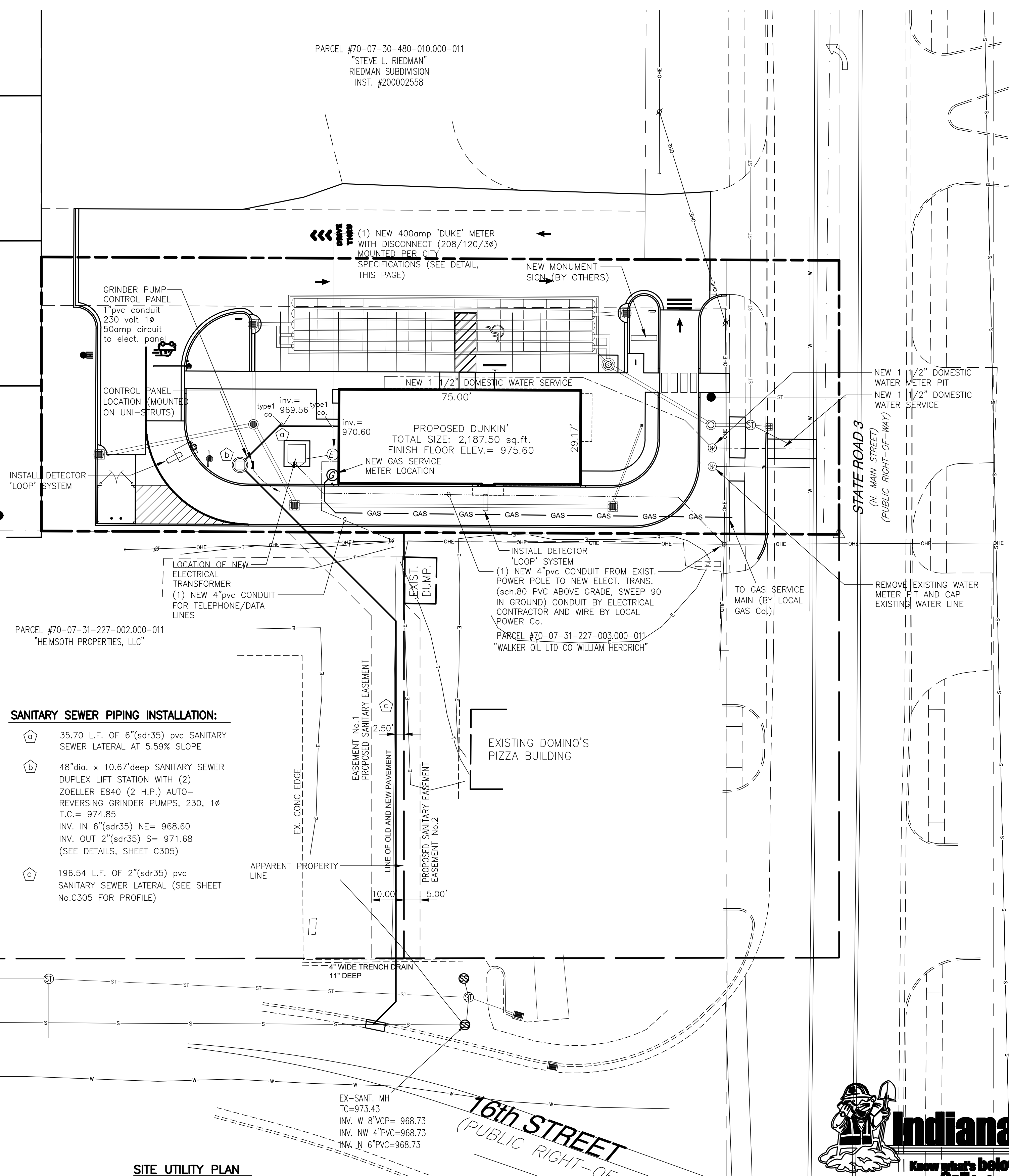
LOT 8A

LOT 8B

LOT 9A

LOT 9B

BLUE RIBBON ESTATES
PB 154, PG 145



PARCEL #70-07-30-480-010.000-011
"STEVE L. RIEDMAN"
RIEDMAN SUBDIVISION
INST. #200002558

PARCEL #70-07-31-227-002.000-011
"HEMSOOTH PROPERTIES, LLC"

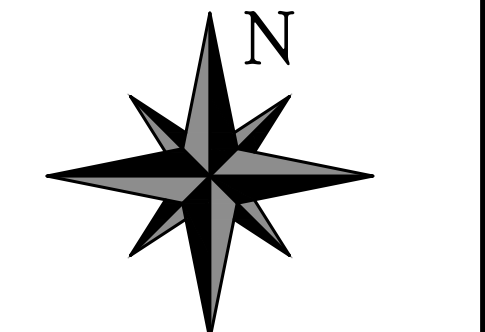
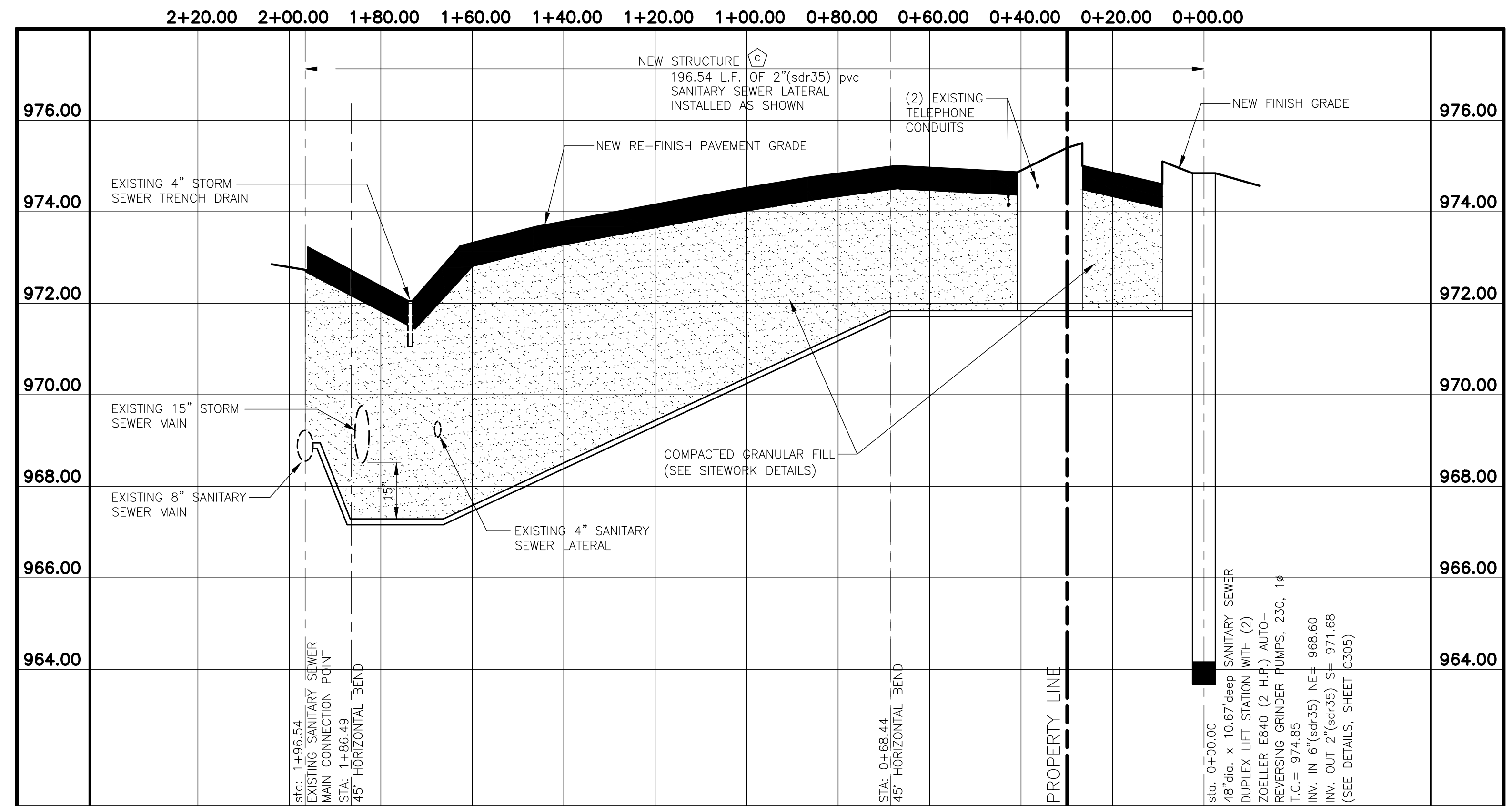
PARCEL #70-07-31-227-003.000-011
"WALKER OIL LTD CO WILLIAM HERDRICH"

EX-SANT. MH
TC=973.43
INV. W 8"VCP= 968.73
INV. NW 4"VCP=968.73
INV. N 6"VCP=968.73

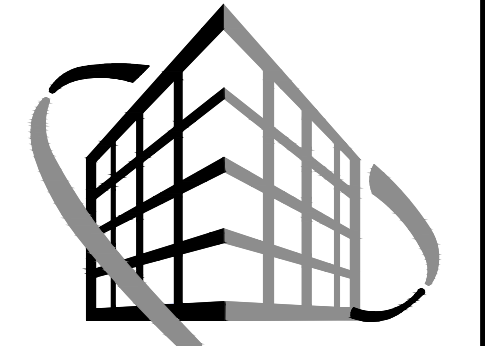
EX-SANT. MH
TC=972.27
INV. E 8"VCP= 967.37
INV. S 12"=967.37

16th STREET
(PUBLIC RIGHT-OF-WAY)



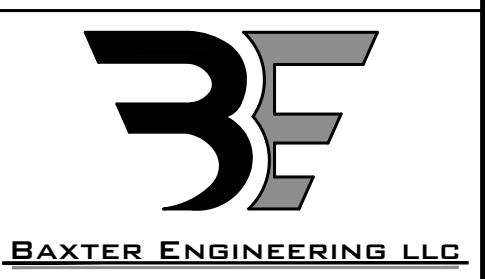


REVISION



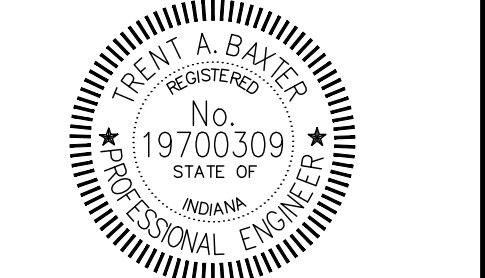
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Trent A. Baxter
CERTIFIED BY:

PSI PRECAST SOLUTIONS, INC.
INDIANAPOLIS, INDIANA
317-545-6557
www.precastsolutions-inc.com

npcra
CERTIFIED PLANT

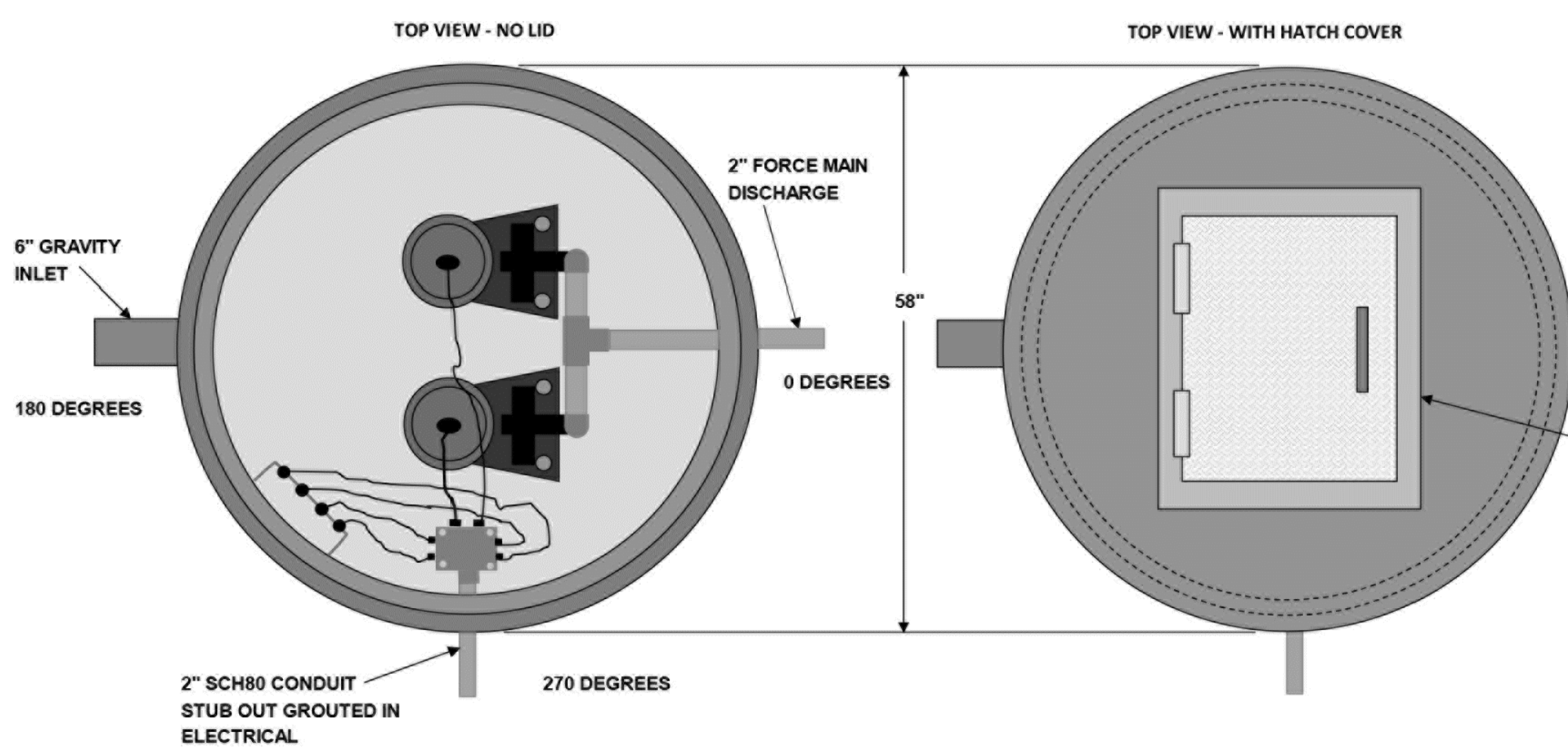
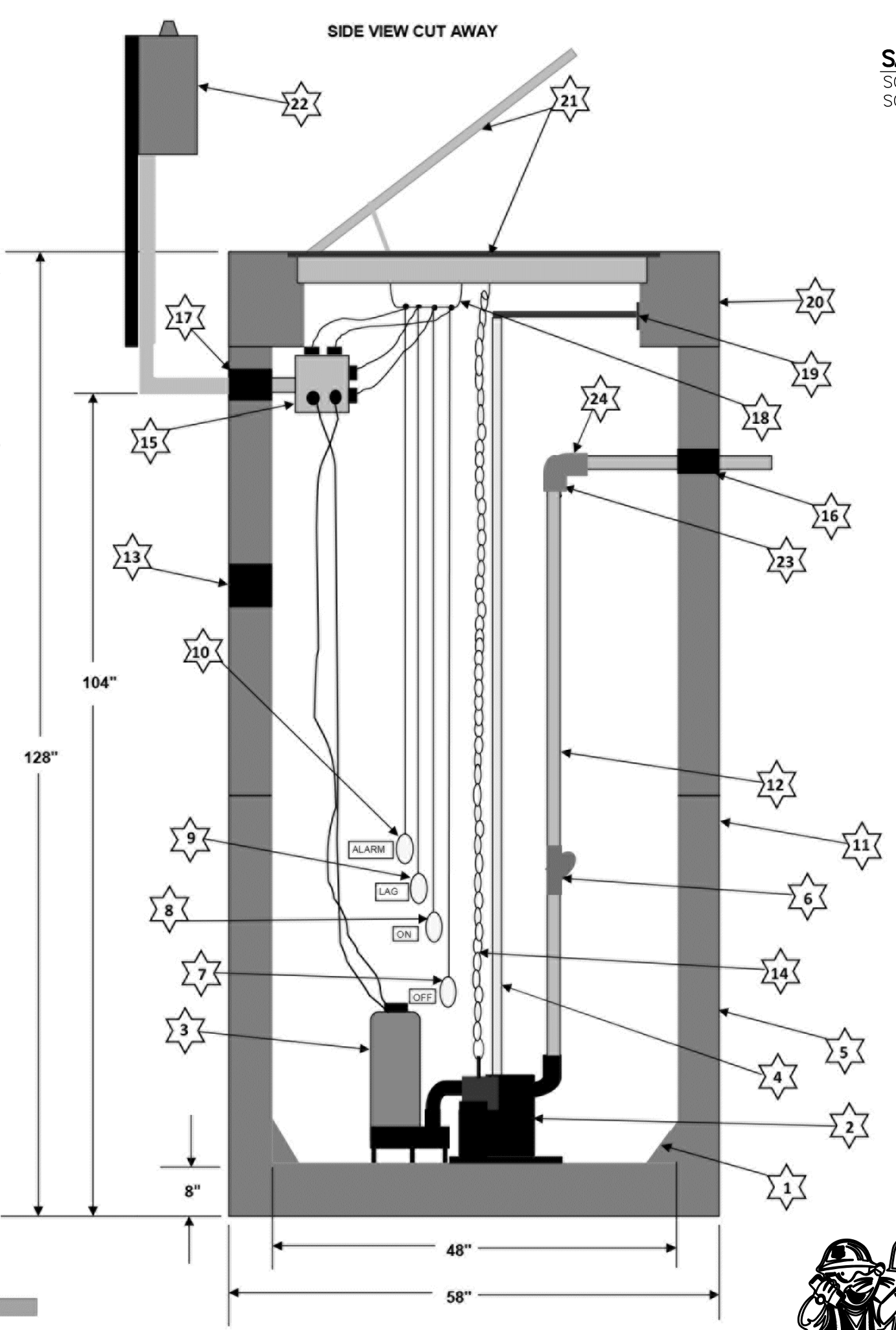
48" DIAMETER COMMERCIAL DUPLIX GRINDER STATION WITH ZOELLER E840 AUTO-REVERSING GRINDER PUMP, 208 VOLT, 3 PHASE, 6" INLET, 2" OUTLET, 2" ELECTRICAL EGRESS

DATE: 4-25-2025 DRAWN BY: RMC CUSTOMER: SPEEDWAY
SCALE: NOT TO SCALE CHECKED BY: DCS JOB: SPEEDWAY
DRAWING NUMBER - RMC4252025-1A LOCATION: KNIGHTSTOWN, INDIANA

- NOTES:**
- A) MANHOLE STRUCTURE TO BE SEALED AT THE JOB SITE WITH 1" WIDE X 1" HT. CONSEAL RUBBER BUTYL SEALANT, LAID DEAD CENTER ON EACH JOINT.
 - B) ALL WALL PENETRATIONS TO BE GASKETED UTILIZING PRESS SEAL OR EQUIVALENT CORE AND SEAL TYPE BOOTS
- STANDARDS OF DESIGN**
- A) CONCRETE MINIMUM COMPRESSIVE STRENGTH F_c = 4,000 PSI @ 28 DAYS
 - B) REINFORCING STEEL: ASTM A706, F_y = 60,000 PSI
 - C) DESIGN SPECIFICATIONS: ACI 318
 - D) DESIGN LOADING: PEDESTRIAN TRAFFIC BEARING
 - E) CONBLOCK ADMIXTURE INCLUDED IN THE MIX DESIGN AS A CORROSION INHIBITOR.
- DESIGN SPECIFICS**
- A) NO GROUNDWATER
- STRUCTURE CAPACITY**
- TOTAL GALLONS = 94 GALLONS PER VERTICAL FT.
- STRUCTURE WEIGHTS**
- 11" HT. TOP SLAB.....1,337 LBS.
 - 64" HT. BARREL SECTION.....4,477 LBS.
 - 53" HT. BASE SECTION.....5,166 LBS.
 - TOTAL STRUCTURE WEIGHT.....10,980 LBS.

ITEM	QUANTITY	ITEM DESCRIPTION
1	1	GROUT FILET, 6" UP, 6" OUT
2	2	1.25" X 2" CAST IRON PUMP BASE DISCONNECT
3	2	ZOELLER E840 AUTO-REVERSING GRINDER PUMP, 230V, 1PH
4	4	2" SCH40 SIZE STAINLESS STEEL PUMP GUIDE RAIL
5	1	48" DIAM. X 53" HT. SANITARY MANHOLE BASE SECTION
6	2	2" DIAM. CAST IRON BALL CHECK VALVE, FIPT X FIPT
7	1	LEAD WEIGHTED MERCURY CONTROL OFF FLOAT
8	1	LEAD WEIGHTED MERCURY CONTROL ON FLOAT
9	1	LEAD WEIGHTED MERCURY CONTROL LAG FLOAT
10	1	LEAD WEIGHTED MERCURY CONTROL ALARM FLOAT
11	1	48" DIAM. X 64" HT. SANITARY BARREL SECTION
12	5	2" SCH80 PIPE NIPPLES, ASSORTED LENGTHS
13	1	6" S106-128WP-EX TRELLEBORG CORE AND SEAL GASKET
14	2	3/16" STAINLESS STEEL PUMP LIFT OUT CHAIN AND SHACKLES
15	1	NEMA 4X DUPLIX JUNCTION BOX, CORD CONN., 2" HUB
16	1	2" S106-7MWS TRELLEBORG CORE AND SEAL GASKET
17	1	2" S106-7MWS TRELLEBORG CORE AND SEAL GASKET
18	1	4 FLOAT STAINLESS STEEL FLOAT BRACKET & HARDWARE
19	2	STAINLESS STEEL UPPER GUIDE RAIL BRACKET & HARDWARE
20	1	48" DIAM. X 11" HT. FLAT LID WITH CAST IN HATCH COVER
21	1	30" X 36" USF FABRICATION ALUM. HATCH COVER TPS
22	1	SPI NEMA 4X DUPLIX CONTROL PANEL, 208 V., 3 PH. AUTO-REVERSING, CYCLE COUNTER, ETM, VIS. AND AUD. ALARMS
23	2	2" SCH80 PRESSURE 90 DEGREE BEND
24	1	2" SCH80 PRESSURE TEE

PROPOSED ELEVATIONS:
T.C. = 974.85
6" (sdr-35) LATERAL IN INV. = 968.60
2" (sdr-35) FORCE MAIN OUT INV. = 971.68
PUMP OFF FLOAT ELEVATION = 966.85
LEAD PUMP ON FLOAT ELEVATION = 967.85
LAG PUMP ON FLOAT ELEVATION = 968.35
PUMP ALARM ON FLOAT ELEVATION = 968.60
BOTTOM OF PUMP TANK ELEVATION = 964.18



USF FABRICATION 30" X 36" ALUMINUM HATCH COVER, 300 TPS, SLAMLOCK, SINGLE DOOR, PEDESTRIAN LOADING, 8" HT. TROUGH FRAME WITH BITUMINOUS FRAME PAINT COATING, STAINLESS STEEL HINGES AND HARDWARE, RECESSED FLUSH DROP HANDLE, AUTOMATIC HOLD OPEN ARM.

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Dunkin'
1603 In. 3 North Main Street
Rushville, IN 46173
Sanitary Sewer Profile and
Grinder Pump Details Plan

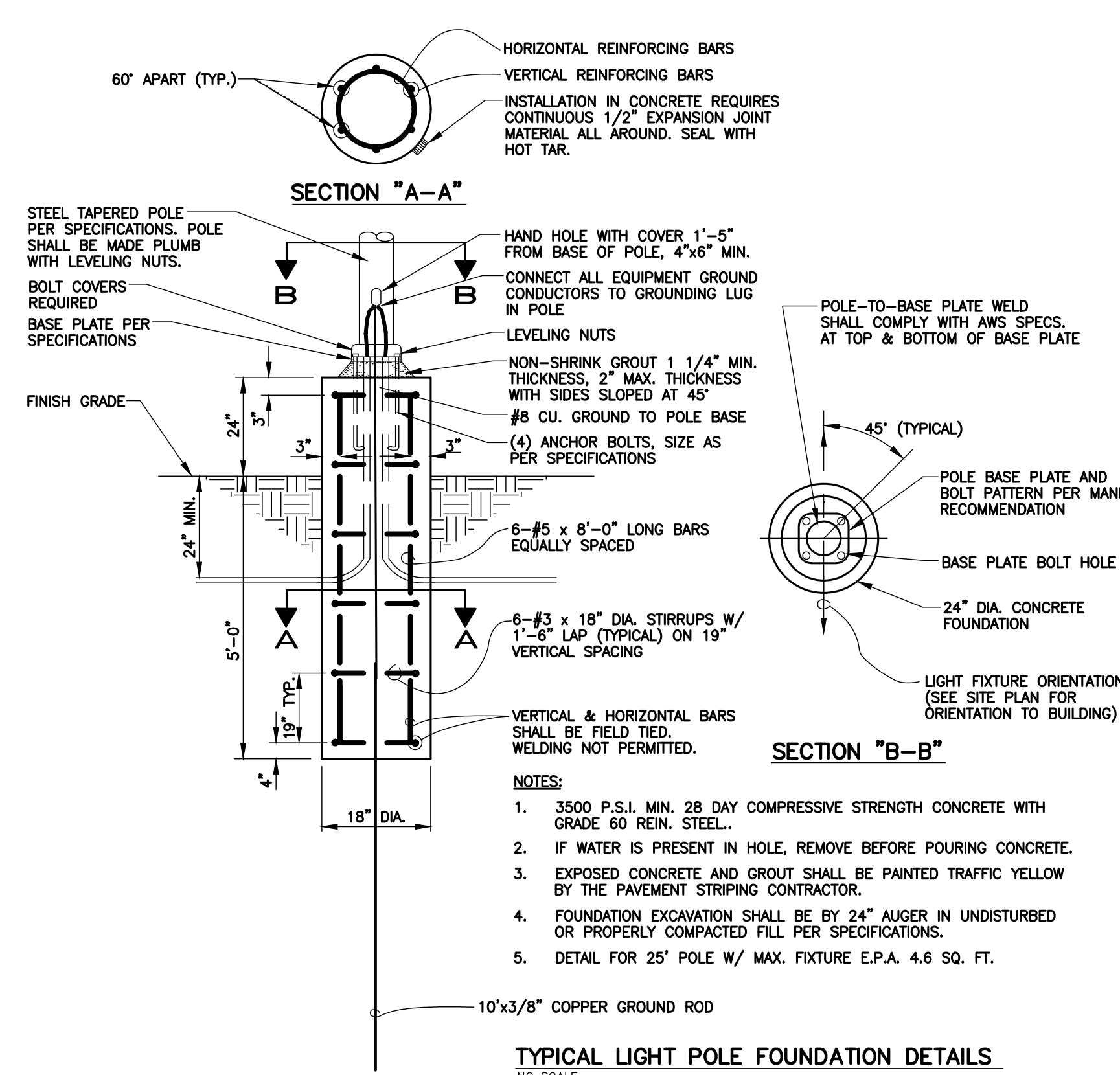
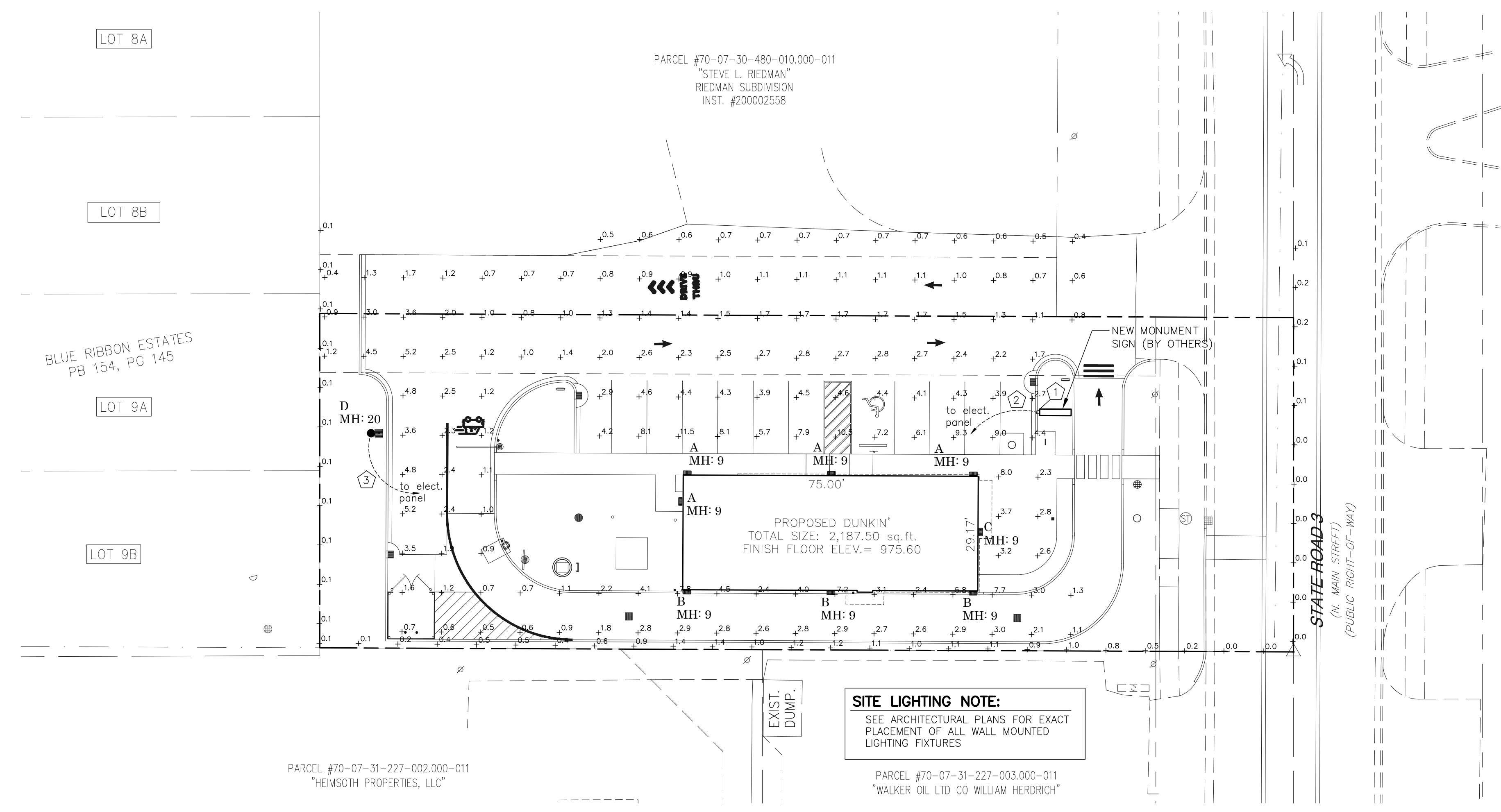
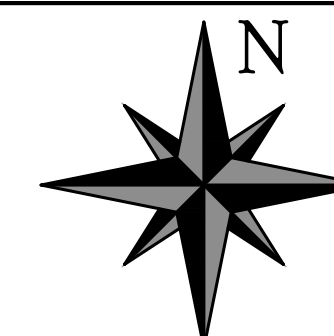
Job No. 25028 Date Stamped 04/29/2026

Drawn By caw Checked By Scale: 1" = 20.0'

CAD FILE: C:\25028\c305 sanitary sewer profile plan.dwg

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SHEET TITLE:
C305



SITE LIGHTING WIRING INFORMATION:

- ① (1) 6"x 6"x 6" PVC JUNCTION BOX
- ② (1) 1" PVC CONDUIT WITH (2) No.10 CU FEEDERS (1) No.10 CU NEUTRAL (1) No.10 CU GROUND
- ③ (1) 1" PVC CONDUIT WITH (2) No.10 CU FEEDERS (1) No.10 CU GROUND

Schedule

Symbol	Label	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power
-	A	4	Industrial Lighting Products LLC	SWL-15L-U-40-T4	Skyline Wall Pack Large, 15000L, 4000K, T4 Lens	1	15565	0.9	107.8
-	B	3	Industrial Lighting Products LLC	SWM-3L-U-40-T2	Skyline Wall Pack Medium, 3000L, 4000K, T3 Lens	1	3110	0.9	20.7
-	C	1	Industrial Lighting Products LLC	SWM-3L-U-40-T4	Skyline Wall Pack Medium, 3000L, 4000K, T4 Lens	1	3131	0.9	20.7
●	D	1	Industrial Lighting Products Inc	SAS-15L-U-40-T3-HSS	Skyline Small, 15,000 Lumens, Universal Driver, 4000K, Type 3 Optic, House Side Shield	1	10913	0.9	108.1

Note
 1. Dimensions: Provided
 2. Mounting Height: 9, 20
 3. Calc Zone: 0
 4. Reflectances:
 Fixture A tilted 25 degrees
 Calculations provided are estimates only.

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Patio	+	3.8 fc	8.0 fc	2.3 fc	3.5:1	1.7:1
Property Line	+	0.3 fc	1.4 fc	0.0 fc	N/A	N/A
Layout	+	2.6 fc	11.5 fc	0.4 fc	28.8:1	6.5:1



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Professional Engineer Seal for Trent A. Baxter, No. 19700309, State of Indiana. Certified by: Trent A. Baxter

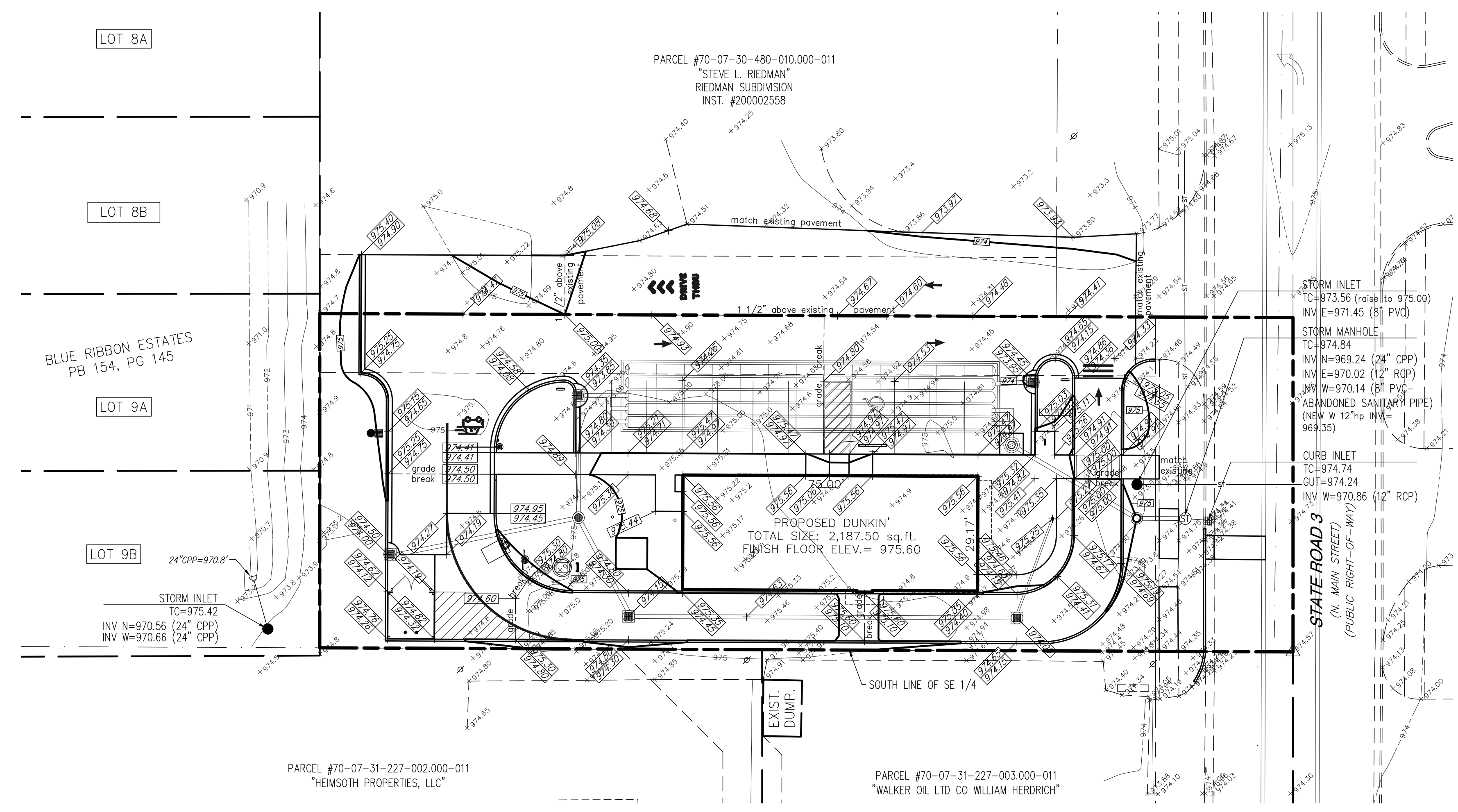
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 Rushville, IN 46173

Site Photometric Plan

Job No. 25028 Date Stamped 04/29/2026
 Drawn By caw Checked By Scale: 1"= 20.0'

CAD FILE: C:\25028\c310 site photometric plan.dwg
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SHEET TITLE: **C310**



SITE GRADING PLAN
SCALE: 1" = 20.0'

STORM DRAINAGE AND GRADING NOTES

1. ALL NECESSARY PERMITS AND APPROVALS FROM AGENCIES GOVERNING THIS WORK SHALL BE SECURED PRIOR TO BEGINNING CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL PROPERTY CORNERS AND REPLACE ALL PINS ELIMINATED OR DAMAGED DURING CONSTRUCTION.
3. ALL PIPES ENTERING STORM SEWER STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
4. DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OF CENTERLINE OF STRUCTURE.
5. GRADES SHOWN ARE FINISHED GRADES. FOR BUILDING SUBGRADE ELEVATIONS REFER TO ARCHITECTURAL PLANS.
6. ALL DIMENSIONS OR COORDINATES SHOWN TO BUILDING ARE TO OUTSIDE.
7. EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY DEVIATIONS FROM THE DESIGN LOCATIONS SHALL BE REPORTED TO THE OWNER OR ENGINEER.
8. THE SITE WORK CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL UNDERGROUND UTILITIES WITH HIS WORK. ALL UNDERGROUND UTILITIES (WATER, SANITARY SEWER, STORM SEWER, ELECTRICAL CONDUIT, IRRIGATION SLEEVES, AND ANY OTHER MISCELLANEOUS) SHALL BE IN-PLACE PRIOR TO THE PLACEMENT OF BASE COURSE.
9. ALL FILL AREAS TO BE COMPACTED CLAY ROLLED IN WITH A SHEEPS FOOT ROLLER IN 8" LIFTS AND COMPACTED TO 95% STANDARD PROCTOR. VERIFICATION OF THE COMPACTION SHALL BE DONE BY AN INDEPENDENT SOILS TESTING COMPANY AND ALL TEST RESULTS SUBMITTED TO THE ENGINEER.

BENCHMARK:

ORIGINATING BENCHMARK:
Y 251 - BENCHMARK DISK SET IN TOP OF CONCRETE MONUMENT BETWEEN 7TH STREET AND 8TH STREET ON NORTH MAIN STREET. ELEVATION= 975.73 (NAVD88)

TEMPORARY ON-SITE BENCHMARK:

TOP OF STORM MANHOLE LOCATED ON THE EAST SIDE OF THE SUBJECT SITE AND ON THE WEST SIDE OF STATE ROAD 3. ELEVATION= 974.84 (NAVD88)

FLOOD PLANE INFORMATION:

THIS LOT LIES ENTIRELY IN FLOOD HAZARD ZONE "X" AS SCALED FROM THE F.E.M.A NATIONAL FLOOD HAZARD PANELS FOR RUSH COUNTY, INDIANA, CITY OF RUSHVILLE, MAP NUMBER 18139C0164C, DATED JANUARY 07, 2015.

EROSION CONTROL INFORMATION:

SEE SITE EROSION CONTROL PLAN FOR LOCATIONS AND INSTALLATION OF ALL EROSION CONTROL MEASURES REQUIRED ON THIS SITE.

LEGEND:

- EXISTING SPOT ELEVATION
- EXISTING CONTOURS LINES
- EXISTING STORM SEWER PIPES
- EXISTING STORM SEWER STRUCTURES
- PROPOSED SPOT ELEVATION
- PROPOSED CONTOURS LINES
- PROPOSED STORM SEWER PIPES

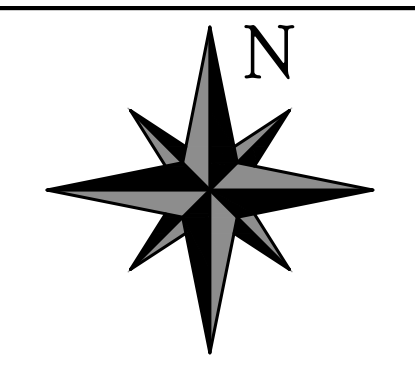
STORM SEWER UTILITY NOTE:

FOR ALL INFORMATION CONCERNING ANY EXISTING AND/OR PROPOSED STORM WATER UTILITIES SEE THE SITE STORMWATER PIPING PLAN, SHEET No.C410.

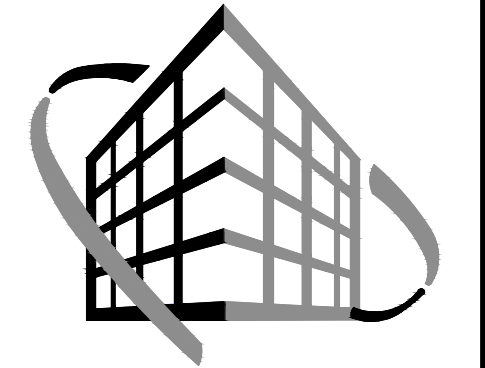


UTILITY DISCLAIMER

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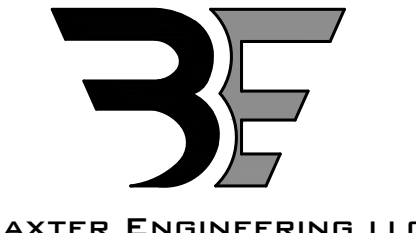


REVISION

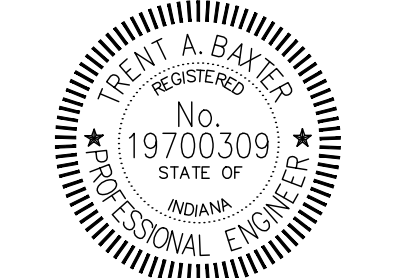


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email: info@versatile-llc.com



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Cell: 317-509-4142
BaxterEngineeringllc@gmail.com



Trent A. Baxter
CERTIFIED BY:

Dunkin'
1603 In. 3 North Main Street
Rushville, IN 46173

Site Grading Plan

Job No. 25028 Date Stamped 04/29/2026

Drawn By cow Checked By tab Scale: 1" = 20.0'

CAD FILE: C:\25028\c400 site grading plan.dwg

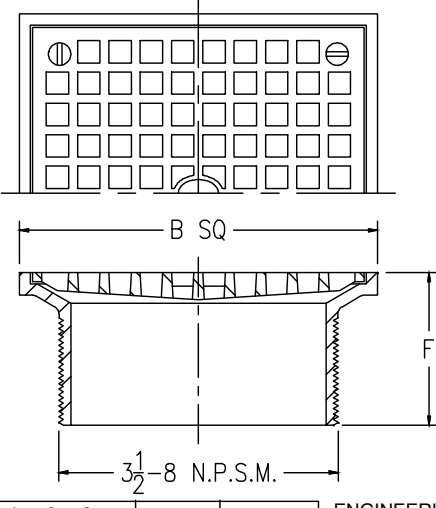
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SHEET TITLE:
C400

Z400S
"TYPE S" SQUARE STRAINER

SPECIFICATION SHEET
TAG _____

Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice



Dimensions in Inches (mm)						Approx. Wt. Lbs. (kg)	Strainer Open Area Sq. In. (cm ²)
Pipe Size	Strainer Top Size	Min.	Max.	Min.	Max.		
2, 3, 4 (51, 76, 102)	5 1/2 (127)	1 1/2 (38)	1 3/4 (44)	1 1/4 (32)	2-3/8 (60)	12 (9)	8 (8)
2, 3, 4 (51, 76, 102)	6 X 6 (152 X 152)	2-1/2 (64)	2-1/2 (64)	2-1/2 (64)	2-1/2 (64)	13 (9)	13 (9)
2, 3, 4 (51, 76, 102)	7 X 7 (178 X 178)	3 (76)	3 (76)	3 (76)	3 (76)	14 (9)	14 (9)
3, 4 (76, 102)	8 X 8 (203 X 203)	3-3/8 (88)	3-3/8 (88)	3-3/8 (88)	3-3/8 (88)	15 (11)	15 (11)
6 (152)	10 X 10 (254 X 254)	4-1/2 (114)	4-1/2 (114)	4-1/2 (114)	4-1/2 (114)	21 (15)	21 (15)

ENGINEERING SPECIFICATION: ZURN Z400S "TYPE S" square adjustable, light-duty strainer top with secured heel-proof grate. (Specify ZB or ZN finish)

ENGINEERING SPECIFICATION: ZURN Z415S Floor and shower drain, Dura-Coated cast iron body with bottom outlet, combination invertebrate membrane clamp and adjustable collar with seepage slots and "TYPE S" polished nickel bronze, square heel-proof, light-duty strainer.

OPTIONS (Check/specify appropriate options)

PIPE SIZE	(Specify size/type) OUTLET	"E" BODY HT. DIM.
2, 3, 4 (51, 76, 102)	IG Inside Gasket	4-3/16 (108)
2, 3, 4 (51, 76, 102)	IP Threaded	4-3/16 (108)
3 (76)	IP Threaded	2-3/4
6 (152)	IP Threaded	2-13/16 (71)
2, 3, 4 (51, 76, 102)	NH Neo-Loc	2-7/8
2, 3, 4 (51, 76, 102)	NL Neo-Loc	3-7/8

PREFIXES (Check/specify appropriate options)

ZB Polished Bronze Top
ZN Polished Nickel Bronze Top

SUFFIXES (Check/specify appropriate options)

- CP Chrome-Plated Top
- HD Heavy Duty Slotted Grate (ZN 6 x 6 (152 x 152) Only with 4 (100) Shank)
- OF Oval Funnel (Z329-7) (6, 7, 8, 10 (152, 178, 203, 254) Strainers Only)
- PC Protective Cover
- V Backwater Valve
- VP Vandal-Proof Secured Top
- V Sediment Bucket
- 4 (102) Diameter Funnel (Z328)
- JR Acid Resisting Epoxy Coated Cast Iron
- G Galvanized Cast Iron
- HD Heavy Duty Grate (ZN 6 x 6 (152 x 152) Only)
- OF Oval Funnel (See Z329-7)
- B 7.8 (102) (178, 203, 254) Strainers only
- P Trap Primer Connection (Specify 1/2 (13) or 3/4 (19))
- PC Protective Cover
- SA Stabilizer Assembly (See Z1035-G)
- SG Stabilizer G Deck (See Z1035-G)
- TC Neo-Loc Test Cap Gasket
- U 1-3 (25-76) High Extension Adapter
- V Backwater Valve
- VP Vandal-Proof Secured Top
- Y Sediment Bucket
- 4 (102) Diameter Funnel (Z328)
- 90 90° Threaded Side Outlet Body Assembly (2 (3) (5) (7) Only)

Strainer Designation	Dimension in Inches (mm)	Approx. Wt. Lbs. (kg)	Open Area Sq. In. (cm ²)
Size BF	Height		
-SS	5 X 5 (127 X 127)	2-1/8 (53)	3 (1) (9)
-SS	6 X 6 (152 X 152)	2-1/2 (64)	4 (2) (13)
-7S	7 X 7 (178 X 178)	3 (76)	5 (2) (16)
-SS	8 X 8 (203 X 203)	3-3/8 (88)	6 (3) (18)
-10S	10 X 10 (254 X 254)	4-1/2 (114)	12 (5) (28)

OPTIONS (Check/specify appropriate options)

PREFIXES (Check/specify appropriate options)

ZB Polished Bronze Top
ZN Polished Nickel Bronze Top

SUFFIXES (Check/specify appropriate options)

- CP Chrome-Plated Top
- HD Heavy Duty Slotted Grate (ZN 6 x 6 (152 x 152) Only with 4 (100) Shank)
- OF Oval Funnel (Z329-7) (6, 7, 8, 10 (152, 178, 203, 254) Strainers Only)
- PC Protective Cover
- V Backwater Valve
- VP Vandal-Proof Secured Top
- V Sediment Bucket
- 4 (102) Diameter Funnel (Z328)

* Regularly furnished unless otherwise specified.
Zurn Industries, LLC | Specifications Drainage Operation
1801 Passaic Avenue, East Rutherford, NJ 07073-4001, Fax: 814-454-7029
In Canada: Zurn Industries Limited
2644 Hurontario Street, Mississauga, Ontario L4V 1L2 | Ph: 905-405-6272, Fax: 905-405-1202
www.zurn.com

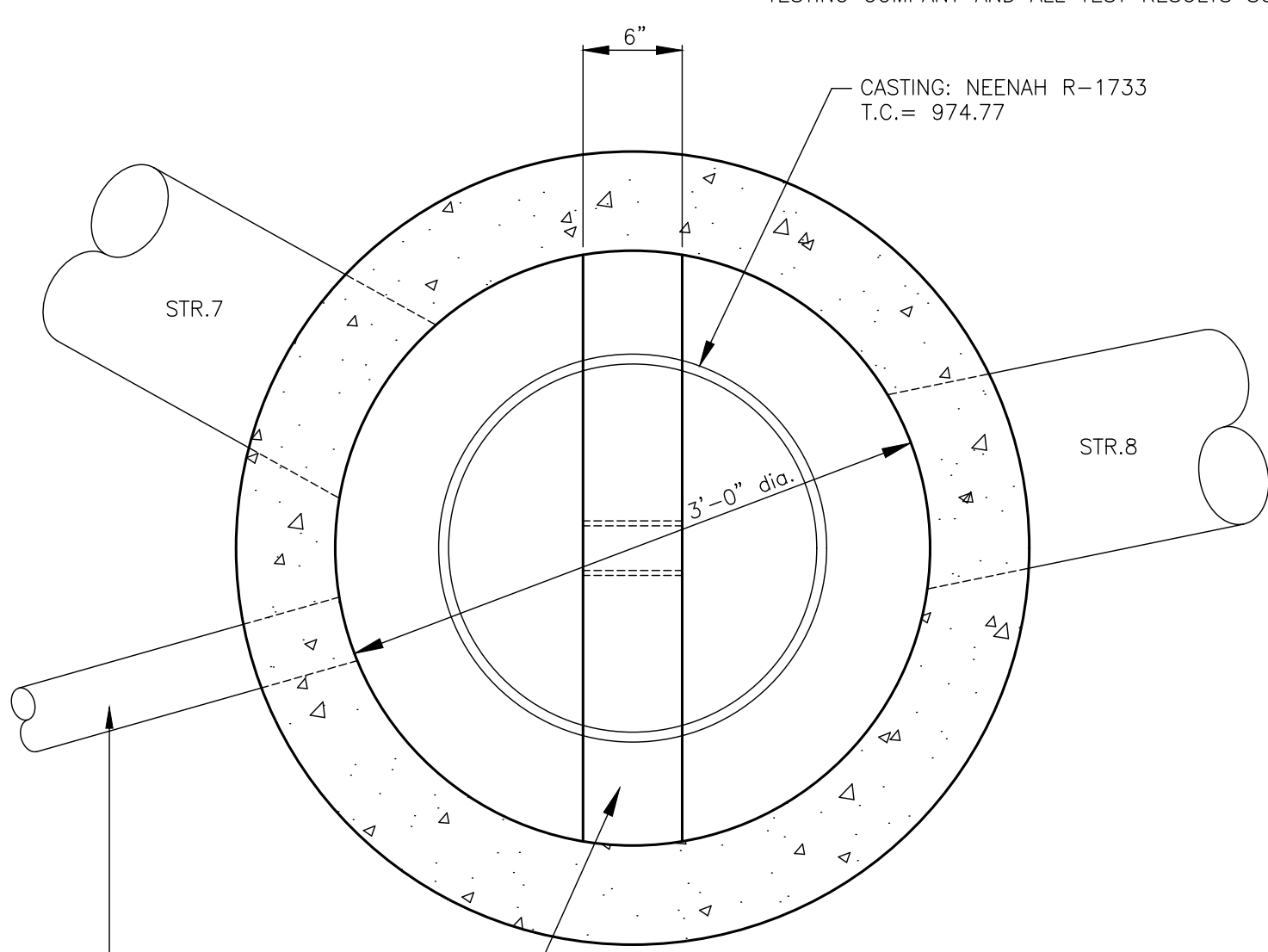
Z415S
BODY ASSEMBLY W/ "TYPE S" STRAINER

SPECIFICATION SHEET
TAG _____

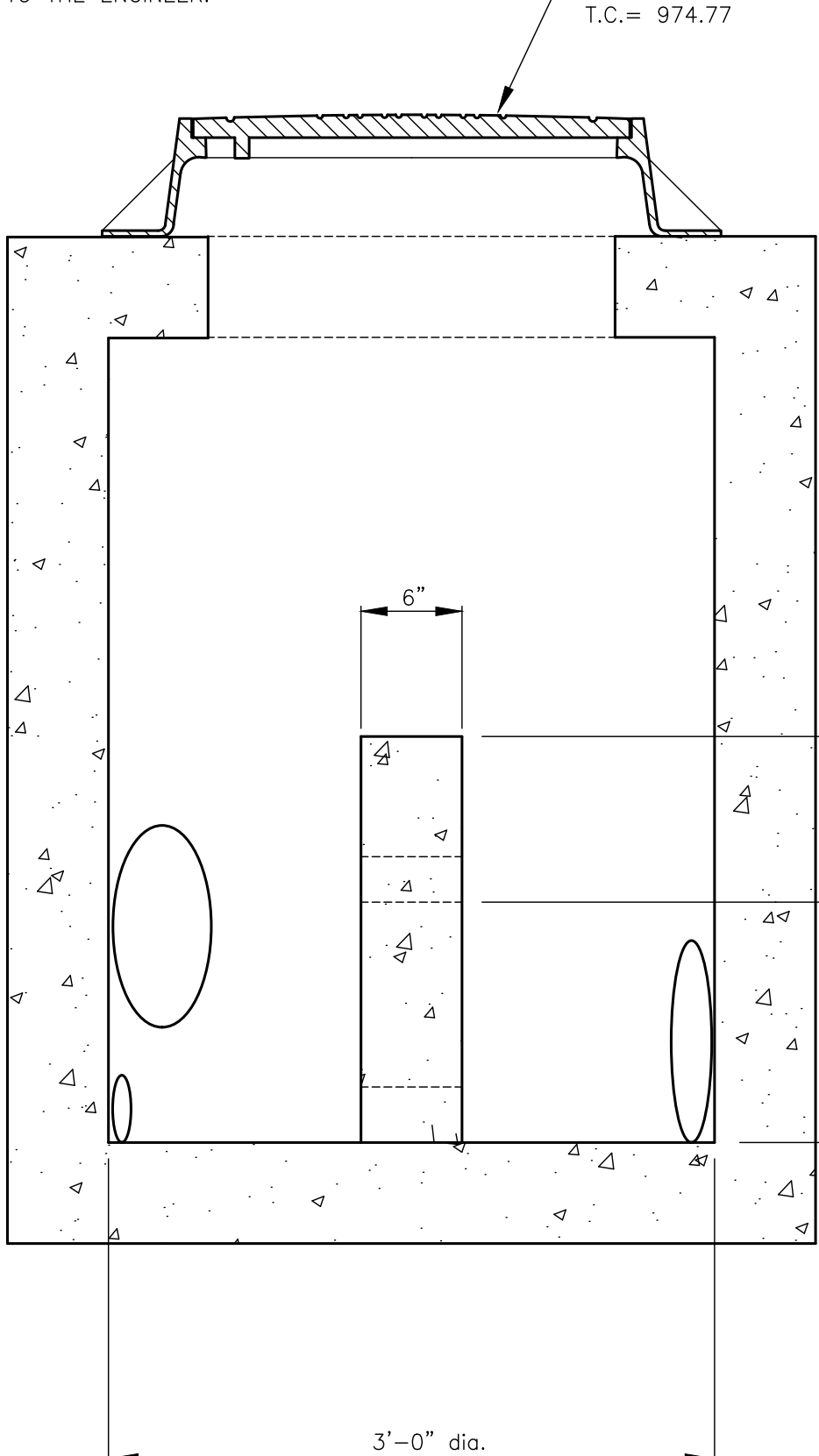
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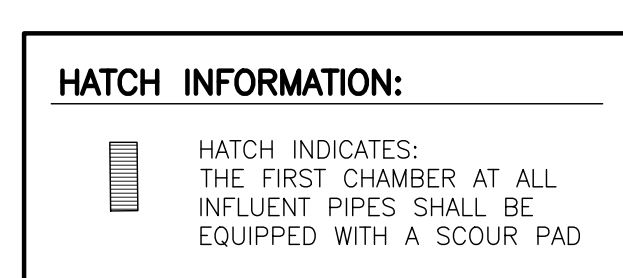
STRUCTURE h (PLAN VIEW)
SCALE: no scale



STRUCTURE h (SECTION VIEW)
SCALE: no scale

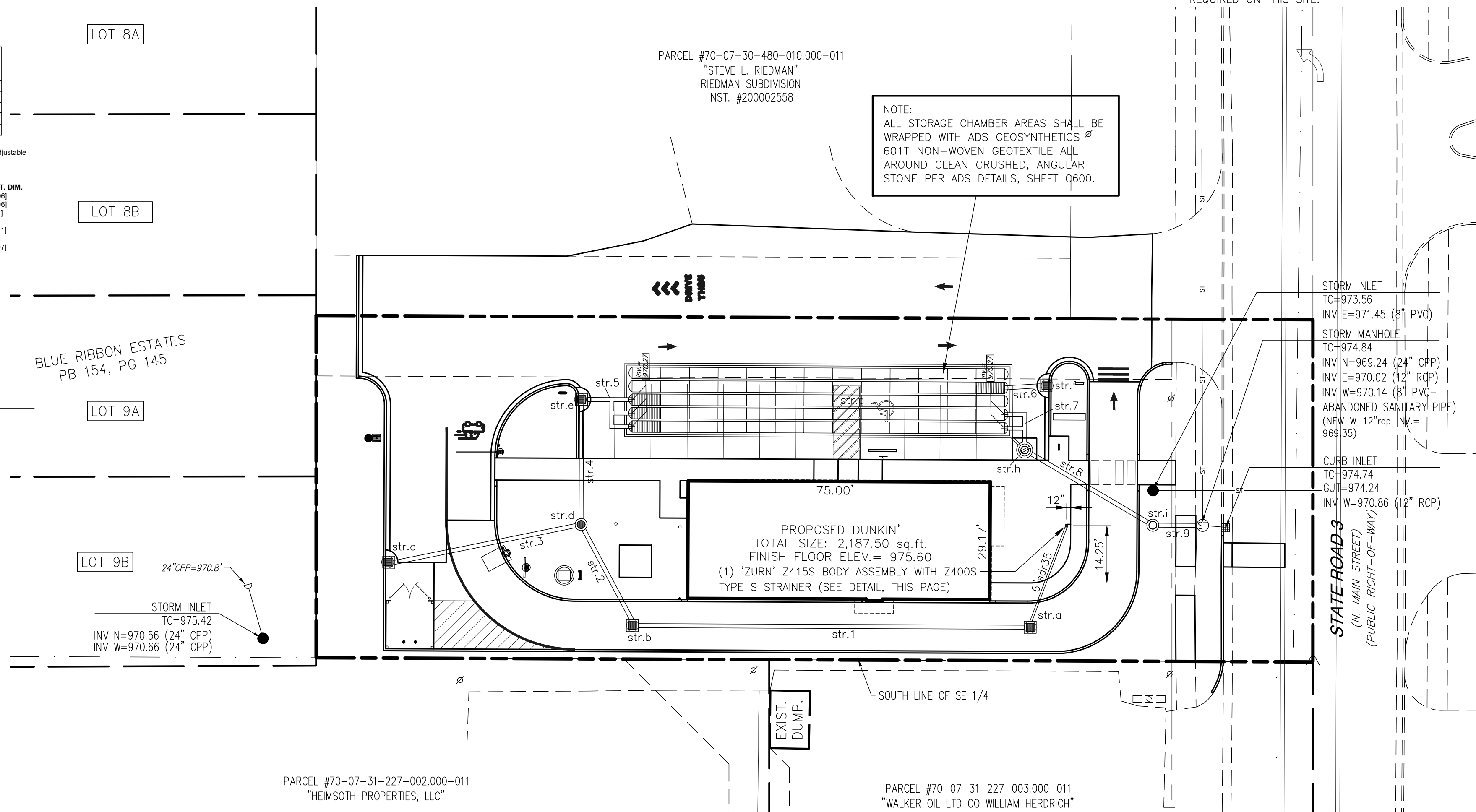
SITE INFRASTRUCTURE SUMMARY INFORMATION:

- INLET/MANHOLE STRUCTURE**
- STRUCTURE a: NEW 2.0' sq. PRECAST CONCRETE STORM INLET (CASTING: NEENAH R-3433) T.C. = 974.00 INV. IN N 6" sdr 35 = 972.00 INV. OUT W 12" rcp = 971.75
 - STRUCTURE b: NEW 2.0' sq. PRECAST CONCRETE STORM INLET (CASTING: NEENAH R-3433) T.C. = 974.15 INV. IN E 12" rcp = 971.43 INV. OUT NW 12" rcp = 971.33
 - STRUCTURE c: NEW 2.0' sq. PRECAST CONCRETE STORM INLET (CASTING: NEENAH R-3234-B1) T.C. = 974.00 INV. OUT E 12" rcp = 971.75
 - STRUCTURE d: NEW 2.5' dia. PRECAST CONCRETE STORM INLET (CASTING: NEENAH R-2560-E) T.C. = 974.00 INV. IN SE 12" rcp = 971.24 INV. IN W 12" rcp = 971.59 INV. OUT N 12" rcp = 971.14
 - STRUCTURE e: NEW 2.0' sq. PRECAST CONCRETE STORM INLET (CASTING: NEENAH R-3234-B1) T.C. = 973.85 INV. IN S 12" rcp = 971.04 INV. OUT E 12" rcp = 970.27
 - STRUCTURE f: NEW 2.0' sq. PRECAST CONCRETE STORM INLET (CASTING: NEENAH R-3234-B1) T.C. = 973.95 INV. OUT W 12" hp = 970.68
 - STRUCTURE No.g: (65) NEW "SC-310" "STORMTECH" STORAGE CHAMBERS ARRANGED PER PLAN (3) INV. IN W 12" hp INFLUENT PIPES INV. = 970.27 (1) INV. IN E 12" hp INFLUENT PIPES INV. = 970.27 (2) INV. OUT W 12" hp EFFLUENT PIPES INV. = 970.27 BOTTOM OF TANK / TOP OF 6" STONE BASE = 970.20 BOTTOM 6" STONE / 4" pvc (PERFORATED) PIPE = 969.70
 - STRUCTURE h: NEW 3.0' dia. PRECAST CONCRETE STORM STRUCTURE (CASTING: NEENAH R-1733) WITH 6" wide WEIR WALL ELEV. = 971.71 AND (1) 2.7" dia. OPENING INV. ELEV. = 970.89 AND (1) 3.3" dia. OPENING INV. ELEV. = 969.70 T.C. = 974.77 INV. IN NW 4" pvc (PERFORATED) = 969.70 INV. IN N 12" hp = 970.27 INV. OUT SE 12" rcp = 969.70
 - STRUCTURE i: NEW 2.0' dia. PRECAST CONCRETE STORM STRUCTURE (CASTING: NEENAH R-1733) T.C. = 975.00 INV. IN NW 12" rcp = 969.49 INV. OUT E 12" rcp = 969.39
- PIPE STRUCTURES**
- NEW STRUCTURE 1: 98.77 L.F. OF NEW 12" rcp AT 0.324% SLOPE
 - NEW STRUCTURE 2: 28.14 L.F. OF NEW 12" rcp AT 0.320% SLOPE
 - NEW STRUCTURE 3: 48.94 L.F. OF NEW 12" rcp AT 0.327% SLOPE
 - NEW STRUCTURE 4: 31.06 L.F. OF NEW 12" rcp AT 0.322% SLOPE
 - NEW STRUCTURE 5: 30.00 L.F. OF NEW 12" hp AT 0.000% SLOPE WITH (3) 12" hp EAST INTO STORAGE CHAMBERS (SEE ABOVE FOR INVERTS)
 - NEW STRUCTURE 6: 10.56 L.F. OF NEW 12" rcp AT 0.569% SLOPE
 - NEW STRUCTURE 7: 18.80 L.F. OF NEW 12" hp AT 0.000% SLOPE WITH (2) 12" hp SOUTH OUT OF STORAGE CHAMBERS (SEE ABOVE FOR INVERTS)
 - NEW STRUCTURE 8: 36.91 L.F. OF NEW 12" rcp AT 0.569% SLOPE
 - NEW STRUCTURE 9: 12.36 L.F. OF NEW 12" rcp AT 0.324% SLOPE

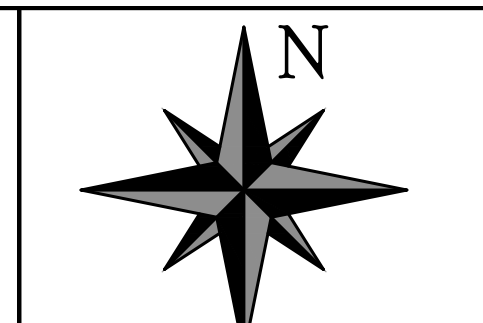


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SITE STORMWATER PIPING PLAN
SCALE: 1" = 20.0'

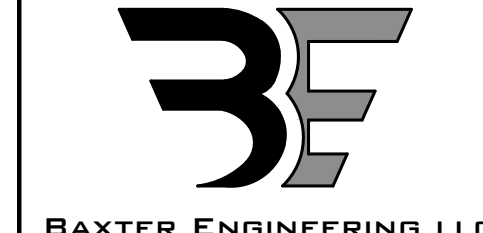


REVISION

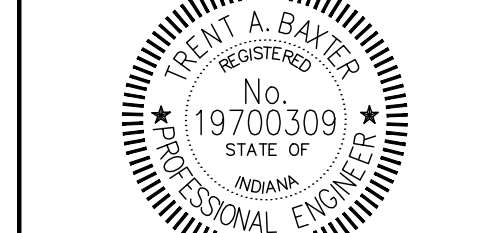
NO.	DESCRIPTION



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BaxterEngineeringllc@gmail.com



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Dunkin'
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Rushville, IN 46173
Site Stormwater Piping Plan

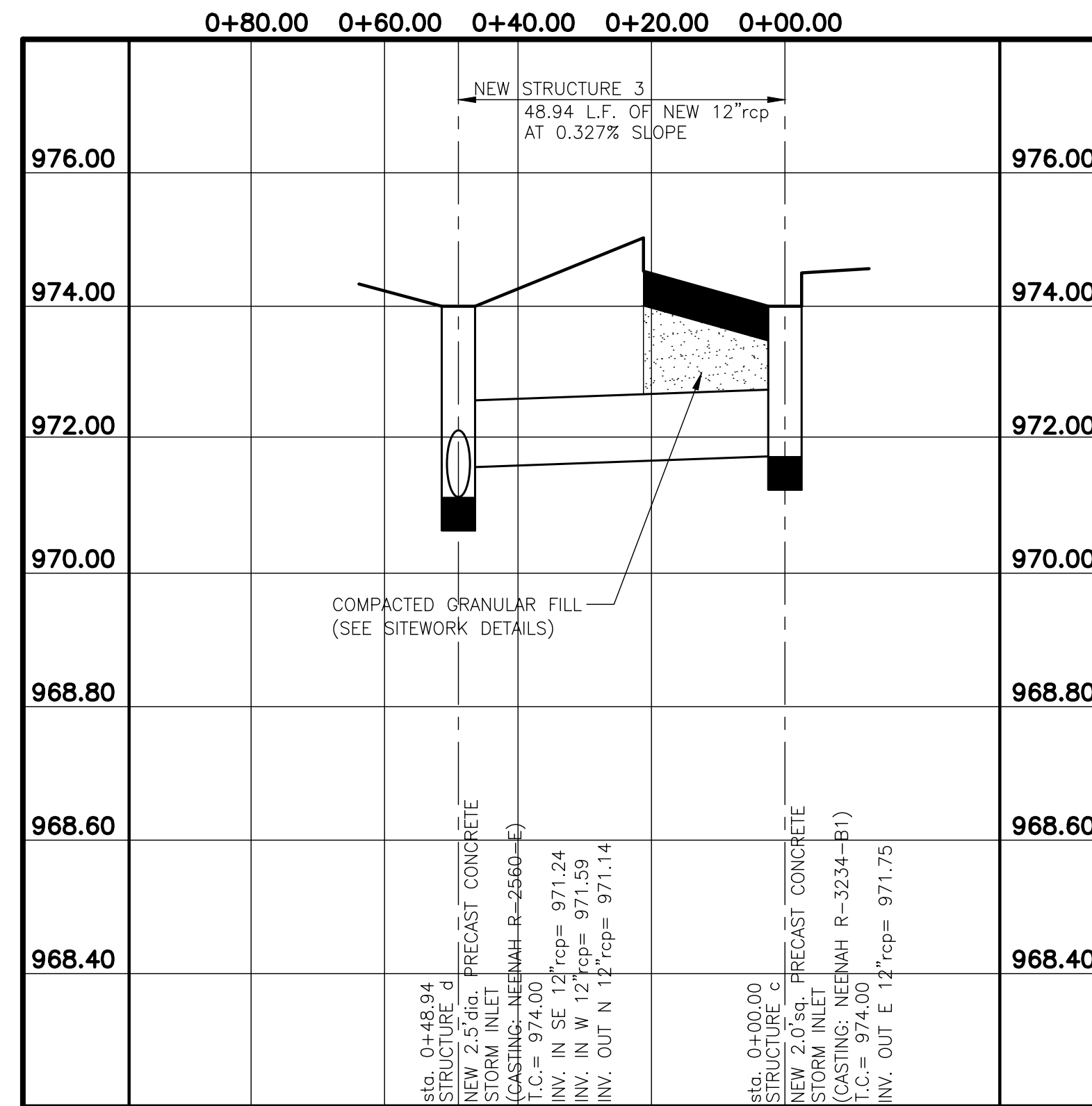
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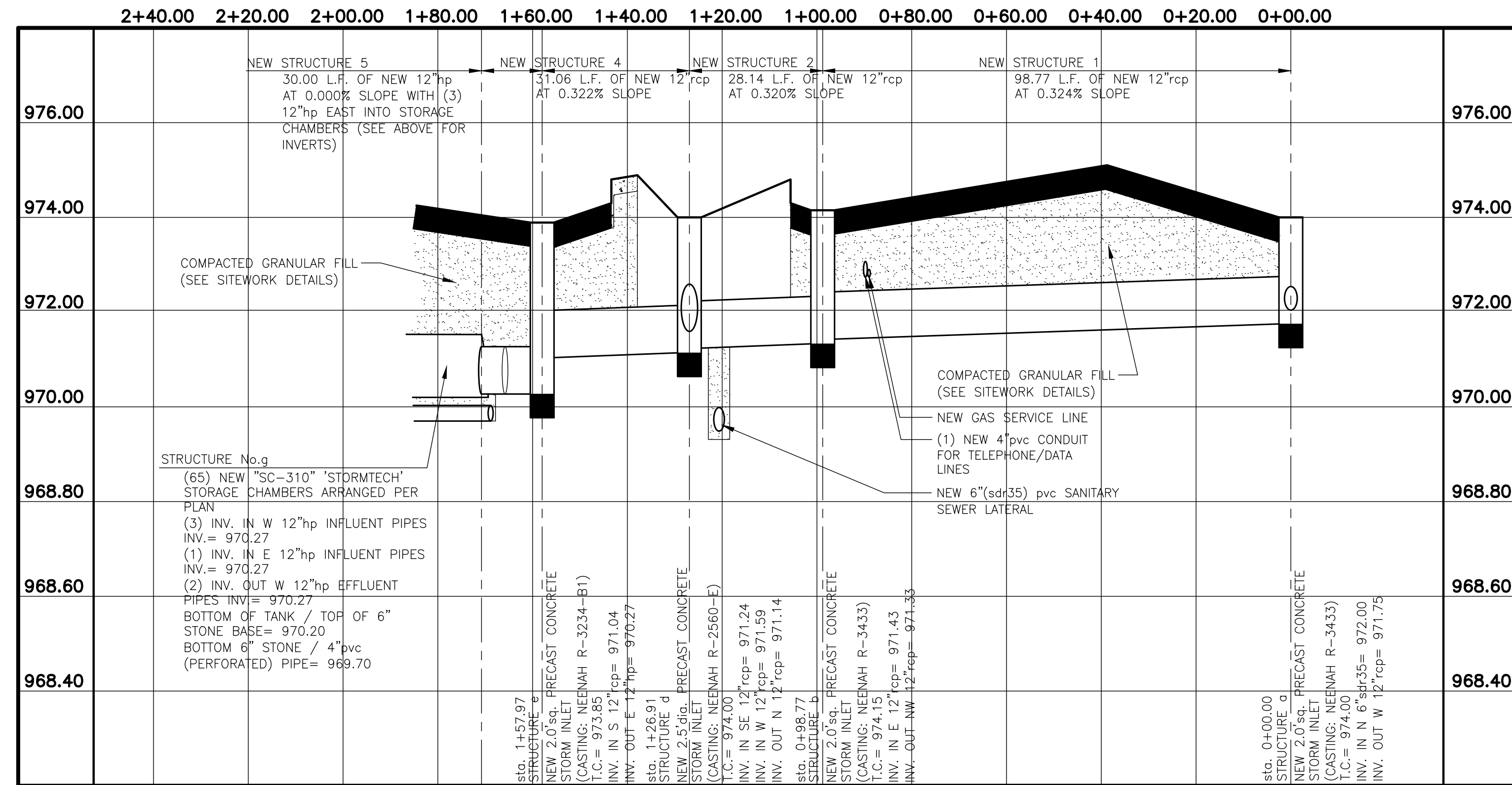
CAD FILE: C:\25028\c410 site stormwater piping plan.dwg

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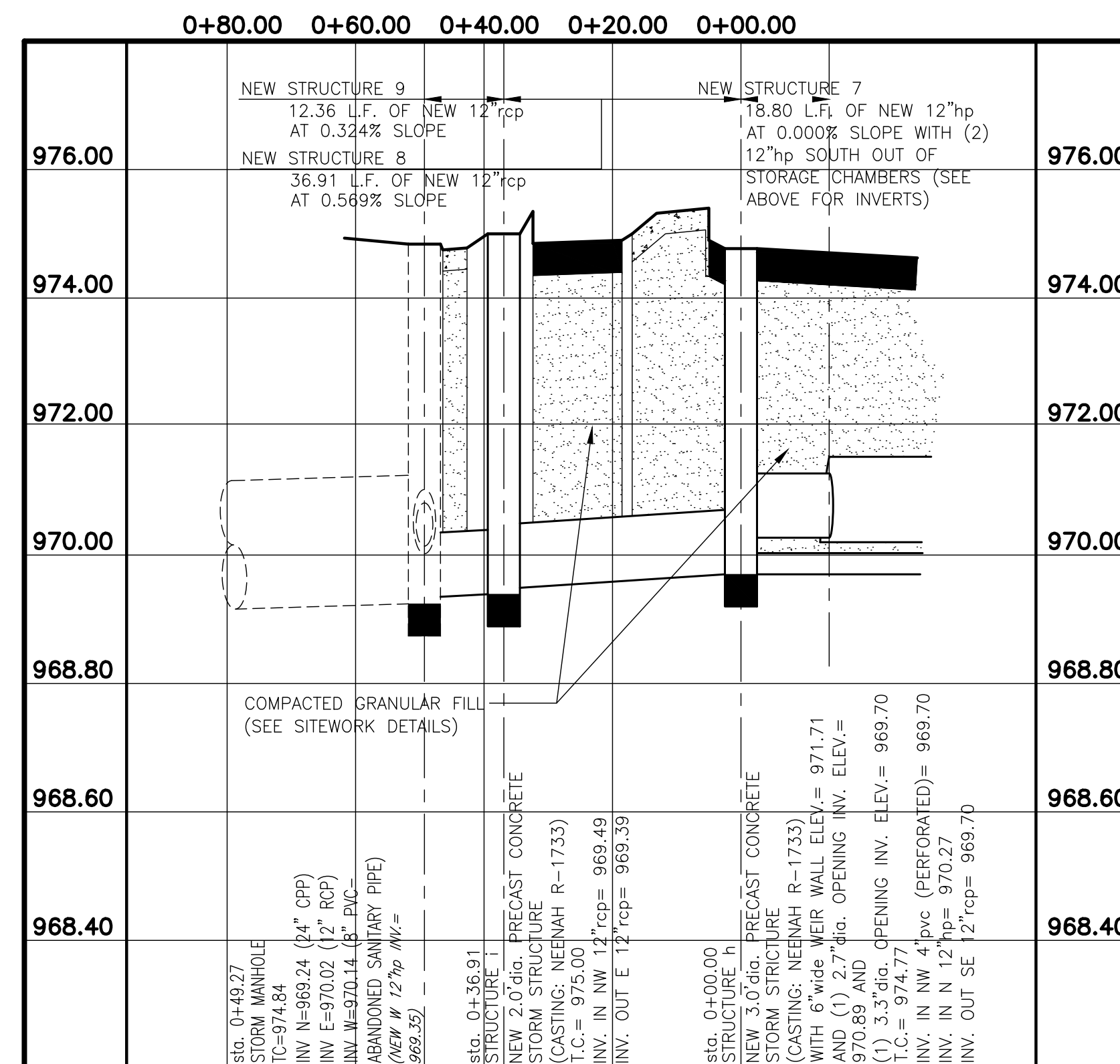
SHEET TITLE:
C410



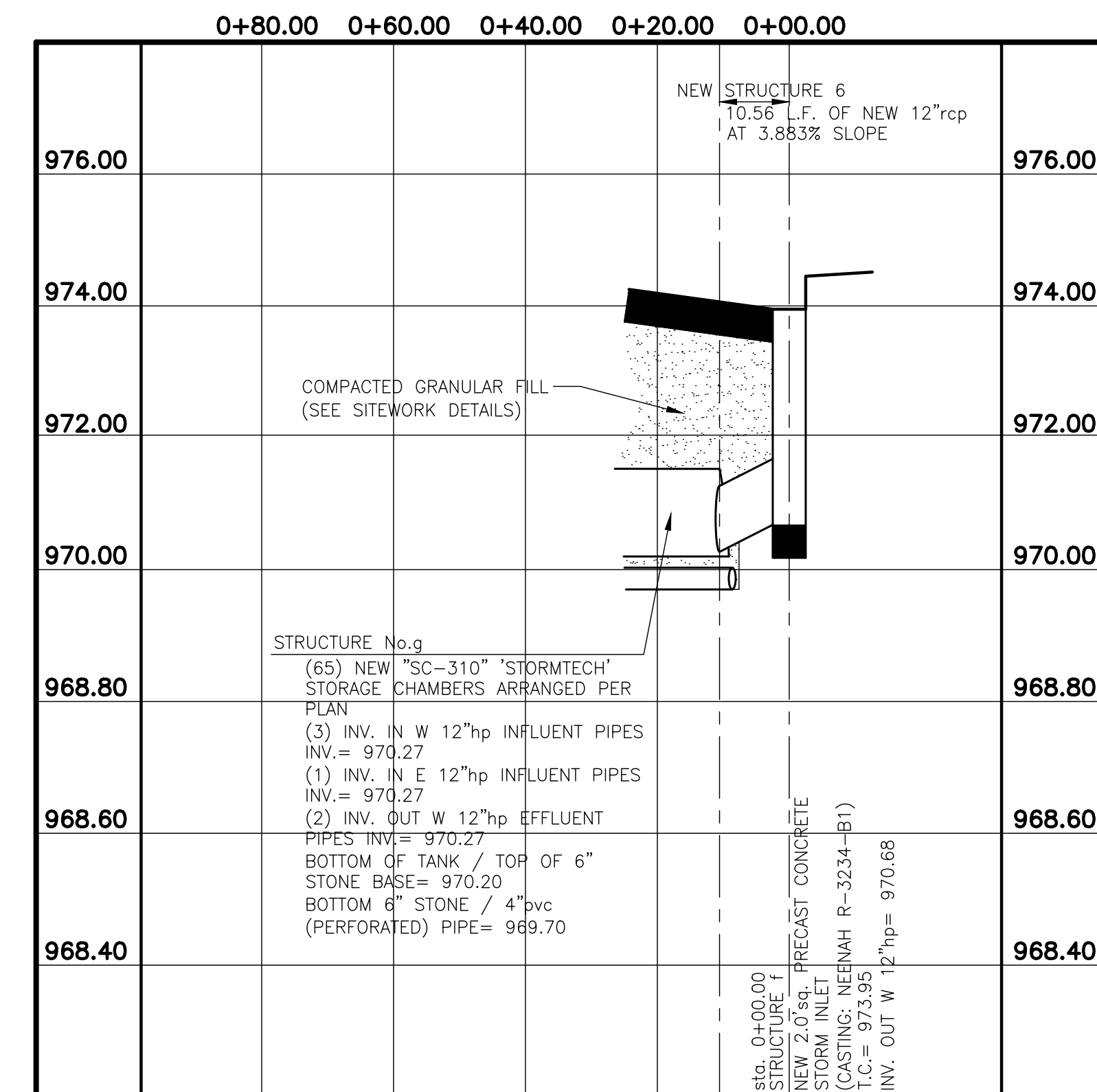
**STORM SEWER PROFILE
STRUCTURE No.c thru d**
SCALE: 1" = 20.0' (HORIZ.)
SCALE: 1" = 2.0' (VERTICAL)



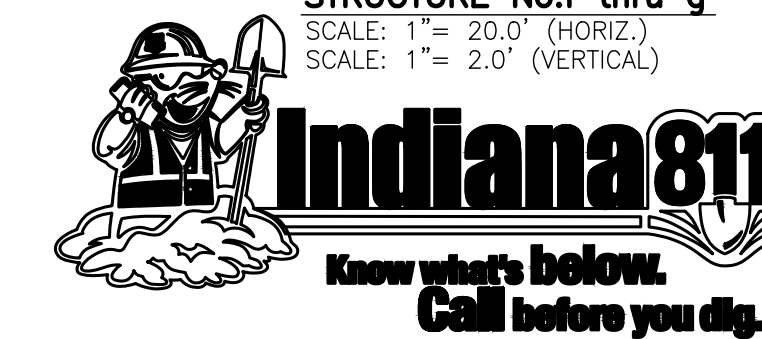
**STORM SEWER PROFILE
STRUCTURE No.a thru g**
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SCALE: 1" = 2.0' (VERTICAL)



**STORM SEWER PROFILE STRUCTURE
No.g thru EXIST. STRUCTURE**
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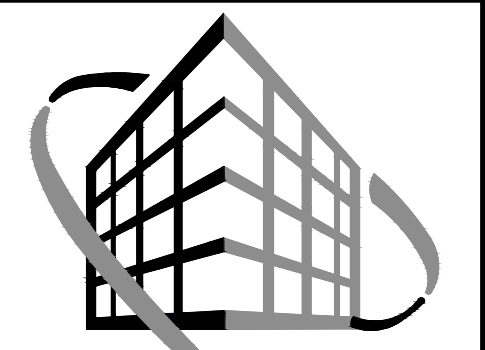
**STORM SEWER PROFILE
STRUCTURE No.f thru g**
SCALE: 1" = 20.0' (HORIZ.)
SCALE: 1" = 2.0' (VERTICAL)



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REVISION



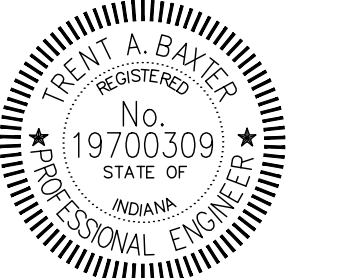
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BaxterEngineeringLLC@gmail.com



Trent A. Baxter
CERTIFIED BY:

Dunkin'
1603 In. 3 North Main Street
Rushville, IN 46173

Storm Sewer Profile Plan

Job No. 25028 Date Stamped 04/29/2026

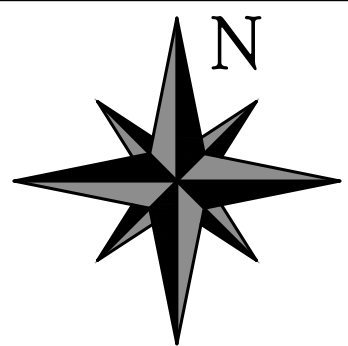
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CAD FILE: 6\25028\c420 storm sewer profile plan.dwg

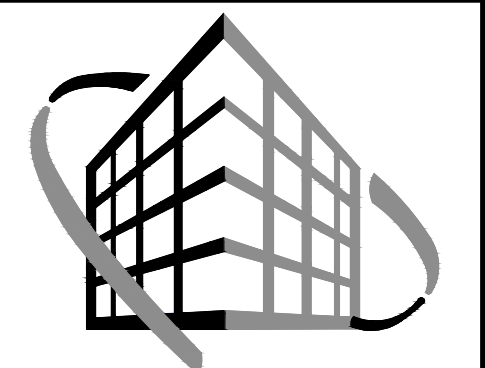
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SHEET TITLE:

C420



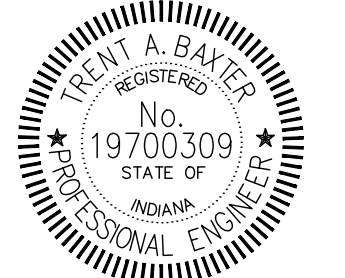
REVISION



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 New Whiteland, Indiana 46184
 Ph: 317.535.3579 Fax: 317.535.3581
 email: info@versatile-llc.com



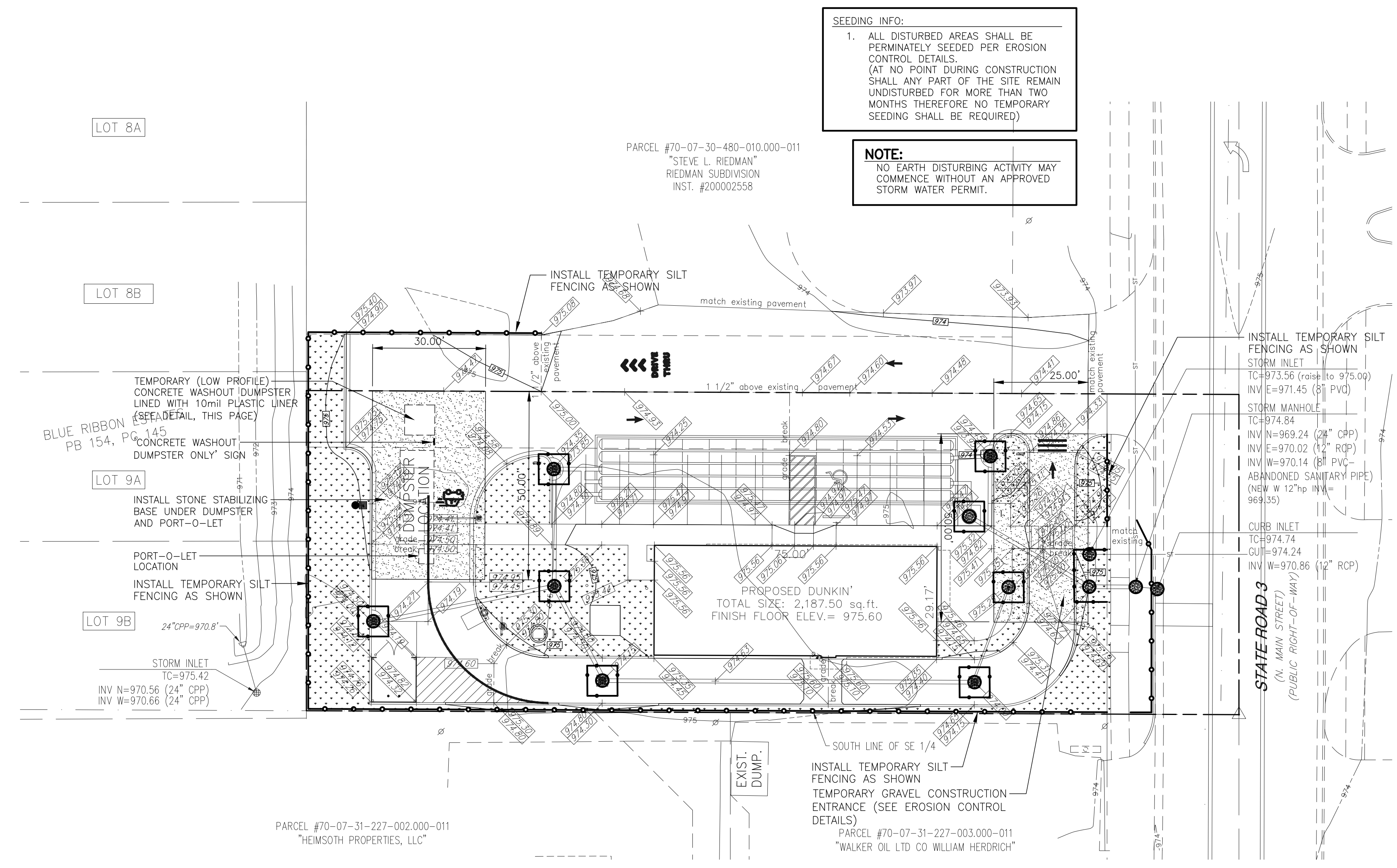
BAXTER ENGINEERING LLC
 570 Tracy Road, Suite 610
 New Whiteland, IN 46184
 Office: 317-535-3579
 Cell: 317-509-4142
 BaxterEngineeringllc@gmail.com



Trent A. Baxter
 CERTIFIED BY:

Dunkin'
 1603 In. 3 North Main Street
 Rushville, IN 46173

Site Erosion Control Plan



SITE EROSION CONTROL PLAN
 SCALE: 1" = 20.0'

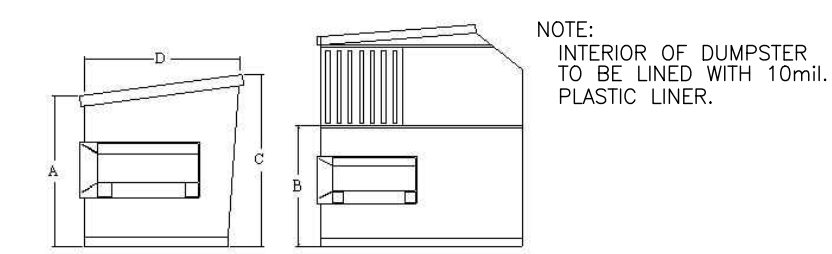
Standard Features

Heavy duty 7 GA. Rib sleeves	Debris shedding rib sleeve top gaskets
7 GA. rib entry guides	7 GA. rib sleeve backup plates with integral extended hangers
3" x 4" full length bottom reinforcements	12 GA. side walls
Rugged and light plastic lids	1-1/2" PVC drain plug
Rust resistant primer inside and out	Two coats high gloss enamel finish

Options

10 GA. side walls
7 GA. floor
Chutes: 2 rigid, 2 swivel, for two through four cubic yard containers

Dimensions



Model	FL2	FL3	FL4	FL6-LP	FL6	FL6-SL	FL8-LP	FL8	FL8-SL	FL10	FL10-SL
Capacity (cu yd)	2	3	4	6	6	6	8	8	8	10	10
(A) Loading height	39	48	51	37	63	58	51	72	51	82	51
(B) Side loading height	-	-	-	-	31	-	-	44	-	45	-
(C) Interior height	41	51	60	45	64	60	59	76	72	80	80
(D) Interior depth	36	42	53	36	66	72	36	72	80	75	88
Interior width	72	72	72	72	72	72	72	72	72	72	72
Lid size (L x W)	36x41	36x47	36x58	36x58	36x58	36x58	36x58	36x58	36x58	36x58	36x58
Side door W x H	-	-	-	30x30*	30x30	-	30x30*	30x30	30x30	-	30x30

All dimensions are in inches
 * Available with two side doors or two 36x47 rear lids
 L.P. = low profile
 SL = slant

CONCRETE WASHOUT DUMPSTER DETAIL

BENCHMARK:

ORIGINATING BENCHMARK:
 Y 251 - BENCHMARK DISK SET IN TOP OF CONCRETE MONUMENT BETWEEN 7TH STREET AND 8TH STREET ON NORTH MAIN STREET. ELEVATION = 975.73 (NAVD88)

TEMPORARY ON-SITE BENCHMARK:

TOP OF STORM MANHOLE LOCATED ON THE EAST SIDE OF THE SUBJECT SITE AND ON THE WEST SIDE OF STATE ROAD 3. ELEVATION = 974.84 (NAVD88)

FLOOD PLANE INFORMATION:

THIS LOT LIES ENTIRELY IN FLOOD HAZARD ZONE "X" AS SCALED FROM THE F.E.M.A NATIONAL FLOOD HAZARD PANELS FOR RUSH COUNTY, INDIANA, CITY OF RUSHVILLE, MAP NUMBER 18139C0164C, DATED JANUARY 07, 2015.

EROSION CONTROL LEGEND:

- TEMPORARY SILT FENCING (SEE EROSION CONTROL DETAILS PAGE)
- FABRIC DROP INLET EROSION PROTECTION - ONCE PAVEMENT IS PLACED CHANGE TO "DANDY SACK" PROTECTION (SEE EROSION CONTROL DETAILS PAGE)
- FABRIC DROP INLET EROSION PROTECTION - "DANDY SACK" (SEE EROSION CONTROL DETAILS PAGE)
- HATCH INDICATES: AREAS OF LAWN (SEEDED), MULCH, AND LANDSCAPING ON THIS PROJECT (SEE LANDSCAPING PLAN)

LEGEND:

- 974 EXISTING CONTOURS LINES
- ST EXISTING STORM SEWER PIPES
- EXISTING STORM SEWER STRUCTURES
- 975.50 top of curb, 975.00 pavement PROPOSED SPOT ELEVATION
- 974 PROPOSED CONTOURS LINES
- PROPOSED STORM SEWER PIPES

STORM SEWER UTILITY NOTE:
 FOR ALL INFORMATION CONCERNING ANY EXISTING AND/OR PROPOSED STORM WATER UTILITIES SEE THE SITE STORMWATER PIPING PLAN, SHEET No.C410.



UTILITY DISCLAIMER

EXISTING UNDERGROUND INSTALLATIONS SUCH AS WATER MAINS, GAS MAINS, SEWERS, TELEPHONE LINES, AND BURIED STRUCTURES IN THE VICINITY OF THE WORK TO BE DONE HEREUNDER ARE INDICATED ON THE DRAWINGS ONLY TO THE EXTENT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE SURVEYOR IN PREPARING THIS DRAWING. THERE IS NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION, AND ALL RESPONSIBILITY FOR ACCURACY AND COMPLETENESS THEREOF IS EXPRESSLY DISCLAIMED.

Job No. 25028 Date Stamped 04/29/2026

Drawn By caw Checked By Scale: 1" = 20.0'

CAD FILE: C:\25028\c500 site erosion control plan.dwg

THIS DRAWING IS THE PROPERTY OF VERSATILE CONSTRUCTION GROUP, LLC. ANY ALTERATION TO THIS DRAWING IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT AND UNDER THE DIRECTION OF THE PROFESSIONAL LICENSOR WHOSE SEAL IS AFFIXED TO THIS DRAWING.

SHEET TITLE: **C500**

EROSION CONTROL RESPONSIBILITY:

INSTALLATION RESPONSIBILITY:

Versatile Construction Group, LLC
Project Supervisor: Sam Allen
570 E. Tracy Road, Suite 610
New Whiteland, Indiana
46184
Phone: (317) 535-3579

CURRENT LAND OWNER:

Om Rushville Realty LLC
200 S. Frontage Road
Suite 310
Burr Ridge, IL 60527
Tel: (630) 674-5912

PROJECT ADDRESS:

Dunkin'
1603 In. 3 North Main Street
Rushville, IN 46173

CONTROL OF NON-STORM WATER DISCHARGES

Certain types of discharges are allowable under the IDEM General Permit for Construction Activity, and it is the intent of this SWPPP to allow such discharges. These types of discharges will be allowed under the conditions that no pollutants will be allowed to come in contact with the water prior to or after its discharge. The control measures which have been outlined previously in this SWPPP will be strictly followed to ensure that no contamination of these non-storm water discharges takes place. Furthermore, Indiana may prohibit any non-storm water discharge unless a limited number of types of non-storm water discharges and/or will require coverage for non-storm water discharges under a separate permit. The following non-storm water discharges are allowed by the IDEM and may occur at the job site:

Possible non-storm water discharges that must be diverted to the sanitary system: discharges from fire fighting activities, fire hydrant flushing, potable water sources such as water line flushings, routine exterior building wash-down (with detergents presents). Contractor shall neutralize any super-chlorinated water from water distribution pipes before releasing it into the environment.

Possible non-storm water discharges where detergents are not used should be diverted to the storm sewer system: discharges from waters used to wash vehicles or control dust in order to minimize offsite sediment tracking, pavement wash waters where spills or leaks of hazardous materials have not occurred or detergents have not been used, irrigation drainage from watering vegetation, springs or other uncontaminated groundwater, including dewatering groundwater infiltration.

EROSION CONTROL CONTRACTOR RESPONSIBILITY:

RESPONSIBILITIES OF CONTRACTOR REGARDING THE CONSTRUCTION GENERAL PERMIT: The Contractor shall manage the discharge of storm water from the site in accordance with the NPDES Construction General Permit for Construction Activities conditions and the following provisions of this section of the specifications. The Contractor shall be responsible for conducting the storm water management practices in accordance with the permit. The Contractor shall be responsible for providing qualified inspectors to conduct the inspections required by the SWPPP. The Contractor shall be responsible for any enforcement action taken or imposed by federal, state, or local agencies, including the cost of fines, construction delays, and remedial actions resulting from the Contractor's failure to comply with the permit provisions. It shall be the responsibility of the Contractor to make any changes to the SWPPP necessary when the Contractor or any of his subcontractors elects to use borrow or fill or material storage sites, either contiguous to or remote from the construction site, when such sites are used solely for this construction site. Such sites are considered to be part of the construction site covered by the permit and this SWPPP. Off-site borrow, fill, or material storage sites which are used for multiple construction projects are not subject to this requirement, unless specifically required by state or local jurisdictional entity regulations. The Contractor should consider this requirement in negotiating with earthwork subcontractors, since the choice of an off-site borrow, fill, or material storage site may impact their duty to implement, make changes to, and perform inspections required by the SWPPP for the site.

SWPPP LEDGER: Two (2) copies of the SWPPP Ledger, in three (3) ring binders shall be provided by the Operator's Engineer. One (1) copy shall be provided to the Construction Site Superintendent and one (1) copy shall be provided to the Operator's Project Manager.

- 1. Table of Contents
- 2. A copy of the Stormwater Pollution Prevention Plan, Details, and Notes. (Sheets C500, C510, C520, and C530)
- 3. Construction Site Notice (Form A-1)
- 4. Modification Report (Form C-1)
- 5. Reportable Quantity Release Form (Form E-1)
- 6. Construction Site Inspection and Maintenance Log

The Operator's Project Manager must review and evaluate for compliance the SWPPP Ledger at each Project Review.

STORM WATER POLLUTION PREVENTION PROGRAM LOCATION REQUIREMENTS: The SWPPP Ledger is meant to be a working document that shall be maintained at the site of the Construction Activities at all times throughout the project, shall be readily available upon request by the Operator's personnel or IDEM or any other agency with regulatory authority over storm water issues, and shall be kept on-site until the site complies with the Final Stabilization section of this document. A sign or other notice must be posted near the main entrance of the construction site which contains the location of the SWPPP and the name and phone number of a contact person responsible for scheduling SWPPP viewing times, and any other State Of Indiana specific requirements. The Notice of Coverage (NOC) or other form notifying the applicant that coverage under the applicable permit has been obtained must also be posted, once received.

SWPPP MODIFICATIONS: The inspection report should also identify if any revisions to the SWPPP are warranted due to unexpected conditions. The SWPPP is meant to be a dynamic working guide that is to be kept current and amended whenever:

- 1. There is a change in design, construction, operation, or maintenance at the construction site that has or could have a significant effect on the discharge of pollutants to the waters of the United States that has not been previously addressed in the SWPPP. In addition to modifying the SWPPP, the site map may also require an amendment.
- 2. Inspections or investigations by site staff, or by local, state or federal officials, determine that the discharges the SWPPP is ineffective in eliminating or significantly minimizing pollutants in storm water discharges from the construction site.
- 3. Based on the results of an inspection, it must be modified as necessary to include additional or modified BMPs designed to correct problems identified. Revisions to the SWPPP must be completed within seven (7) calendar days following the inspection.
- 4. There is a release containing a hazardous substance or oil in an amount equal or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR Part 117 or 40 CFR Part 302 occurs during a 24 hour period. Revisions to the SWPPP must be completed within seven (7) calendar days of knowledge of the release.
- 5. There is an off-site borrow or fill area that is used solely for the Dunkin' Donuts construction project. The modification will include, at a minimum, a revision to the SWPPP and site maps and may impact the Contractor's duty to implement and conduct inspections.

Any such changes to the SWPPP must be made in writing on the Requested Changes to the SWPPP (Form C-1) within 7 days of the date such modification or amendment is made. The Contractor's failure to modify the SWPPP to include off-site borrow or fill areas used solely for the project or to monitor or report deficiencies to the Operator will result in the Contractor being liable for fines and construction delays resulting from any federal, state, or local agency enforcement action.

Report to IDEM within 24 hours any noncompliance with the SWPPP that will endanger public health or the environment. Follow up with a written report within 5 days of the non-compliance event. The following events require 24 hour reporting: a) any unanticipated bypass which exceeds any effluent limitation in the permit, b) any upset which exceeds any effluent limitation in the permit, and c) a violation of a maximum daily discharge limitation for any of the pollutants listed by the EPA in the permit to be reported within 24 hours. The written submission must contain a description of the non-compliance and its cause; the period of non-compliance, including exact dates and times, and if the non-compliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the non-compliance.

Record-Keeping Requirements

- The Contractor shall keep the following records related to construction activities at the site:
 - Dates when major grading activities occur and the areas which were graded
 - Dates and details concerning the installation of structural controls
 - Dates when construction activities cease in an area
 - Dates when an area is stabilized, either temporarily or permanently
 - Dates of rainfall and the amount of rainfall
 - Dates and descriptions of the character and amount of any spills of hazardous materials
 - Records of reports filed with regulatory agencies if reportable quantities of hazardous materials spilled

SPILL RESPONSE FOR CONTRACTOR

Spill Prevention and Response Procedures

The Contractor will train all personnel in the proper handling and cleanup of spilled materials. No spilled hazardous materials or hazardous wastes will be allowed to come in contact with storm water discharges. If such contact occurs, the storm water discharge will be contained on site until appropriate measures in compliance with state and federal regulations are taken to dispose of such contaminated storm water. It shall be the responsibility of the job site superintendent to properly train all personnel in spill prevention and clean up procedures.

A. In order to minimize the potential for a spill of hazardous materials to come into contact with storm water, the following steps will be implemented:

- 1. All materials with hazardous properties (such as pesticides, petroleum products, fertilizers, detergents, construction chemicals, acids, paints, paint solvents, cleaning solvents, additives for soil stabilization, concrete curing compounds and additives, etc.) will be stored in a secure location, with their lids on, preferably under cover, when not in use.
 - 2. The minimum practical quantity of all such materials will be kept on the job site.
 - 3. A spill control and containment kit (containing, for example, absorbent materials, acid neutralizing powder, brooms, dust pans, mops, rags, gloves, goggles, plastic and metal trash containers, etc.) will be provided at the storage site.
 - 4. Manufacturer's recommended methods for spill cleanup will be clearly posted and site personnel will be trained regarding these procedures and the location of the information and cleanup supplies.
- B. In the event of a spill, the following procedures should be followed
- 1. All spills will be cleaned up immediately after discovery.
 - 2. The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with the hazardous substances.
 - 3. The project manager and the Engineer of Record will be notified immediately.
- Spills of toxic or hazardous materials will be reported to the appropriate federal, state, and/or local government agency, regardless of the size of the spill. Spills of amounts that exceed Reportable Quantities of certain substances specifically mentioned in federal regulations (40 CFR 110, 40 CFR 117, and 40 CFR 302) must be immediately reported to the EPA National Response Center, telephone 1-800-424-8802, IDEM, telephone (317) 233-7745, and the Rushville City Hall 1-765-932-3735, and the Rushville Fire Department 1-765-932-3065.
- 4. If the spill exceeds a Reportable Quantity, the SWPPP must be modified within seven (7) calendar days of knowledge of the discharge to provide a description of the release, the circumstances leading to the release, and the date of the release. The plans must identify measures to prevent the recurrence of such releases and to respond to such releases. Form E-1 must be completed in accordance with this release.
- C. The job site superintendent will be the spill prevention and response coordinator. He will designate the individuals who will receive spill prevention and response training. These individuals will each become responsible for a particular phase of prevention and response. The names of these personnel will be posted in the material storage area and in the

Releases of hazardous substances or oil in excess of reportable quantities (as established under 40 CFR 110, 40 CFR 117 or 40 CFR 302) must be reported. Form E-1 provides further details on the notification and reporting process.

INSPECTIONS AND MAINTENANCE

Inspections and maintenance shall comply with the INSPECTION AND MAINTENANCE DETAILS located on Sheet C530 of these plans. Inspections must be conducted by a "Qualified" Inspector. "Qualified" is defined as a person knowledgeable in the principles and practices of erosion and sediment controls who possesses the skills to assess conditions at the construction site that could impact storm water quality and to assess the effectiveness of any sediment and erosion control measures selected to control the quality of storm water discharges from the construction activity.

INSPECTION AND MAINTENANCE PROCEDURES IN ADDITION TO DETAILS

The following inspection and maintenance practices will be used to maintain erosion and sediment controls and stabilization measures in addition to the INSPECTION AND MAINTENANCE DETAILS:

- 1. All control measures will be inspected as outlined in the INSPECTION GUIDELINES TABLE.
- 2. All measures will be maintained in good working order; if repairs or other measures are found to be necessary, they will be initiated within 24 hours of report.
- 3. Temporary and permanent seeding and all other stabilization measures will be inspected for bare spots, washouts, and healthy growth.
- 4. Gravel shall be added to transit paths as needed to prevent vehicle tracking of sediments
- 5. The paved streets adjacent to the site entrance will be inspected daily and swept as necessary to remove any excess mud, dirt, or rock tracked from the site.
- 6. The job site superintendent will be responsible for selecting and training the individuals who will be responsible for these inspections, maintenance and repair activities.
- 7. Personnel selected for the inspection and maintenance responsibilities shall be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls that are used onsite in good working order.
- 8. Disturbed areas and materials storage areas will be inspected for evidence of or potential for pollutants entering stormwater systems.

EROSION CONTROL INSTALLATION AND CONSTRUCTION SEQUENCING

The Contractor will be responsible for implementing the following erosion control and storm water management control measures. The Contractor may designate these tasks to certain subcontractors as he sees fit, but the ultimate responsibility for implementing these controls and ensuring their proper functioning remains with the Contractor. The order of activities will be as follows:

- A. Conduct an Erosion and Sediment control pre-construction meeting with the City of Rushville.
- B. Install temporary site construction entrance.
- C. Install silt fence perimeter control and silt inlet protection.
- D. Install dumpster protection and concrete wash out stone pad.
- E. Commence site grading and building pad construction.
- F. Any disturbed areas of the site where construction activity has ceased, stabilization shall be initiated by the end of the seventh day the area is left idle and stabilization shall be completed within 14 days after initiation per the requirements of the Construction stormwater general permit.
- G. Install all storm sewers pipes and structures.
- H. Install protection of the locations of all inlets and ends of exposed storm sewer pipes.
- I. Begin construction of building.
- J. Finalize pavement sub-grade preparation.
- K. Install base material as required for asphaltic pavement.
- L. Construct all curbs and sidewalks.
- M. Construct asphaltic parking pavement.
- N. Change temporary inlet protection to 'Dandy Socks'.
- O. Carry out final seeding and planting.
- P. Remove silt fencing and 'Dandy Socks' only after all paving is complete and exposed surfaces are stabilized.

EROSION CONTROL INSTALLATION DETAILS

TREE PRESERVATION

TREE PROTECTION

Protect trees from equipment damage. (Wounds provide entry for insects and disease and reduce transport of sap.)

If trees are damaged, repair immediately. (Repair of wounded areas allows trees to heal quickly, thus reducing insect and disease problems.)

MATERIALS

- 1. Fencing (orange safety fencing for increased visibility), snow fence and support posts.
- 2. Signage.
- 3. Wood mulch, chips, etc.
- 4. Specialized equipment (brush cutter, rotary axe, hand tools).

APPLICATION

- 1. Install fencing around a specimen tree(s) as far out as its crown to keep equipment off the rooting area.
- 2. If a fence cannot be erected, cushion the rooting area with six inches of wood chips, wood, or brick paths.
- 3. Protect trees from equipment damage by creating some type of barrier, fencing them off, or wrapping individual trees with snow fencing.
- 4. Prune low-hanging limbs that could otherwise be broken off by equipment.

TEMPORARY CONSTRUCTION ENTRANCE

DIMENSION

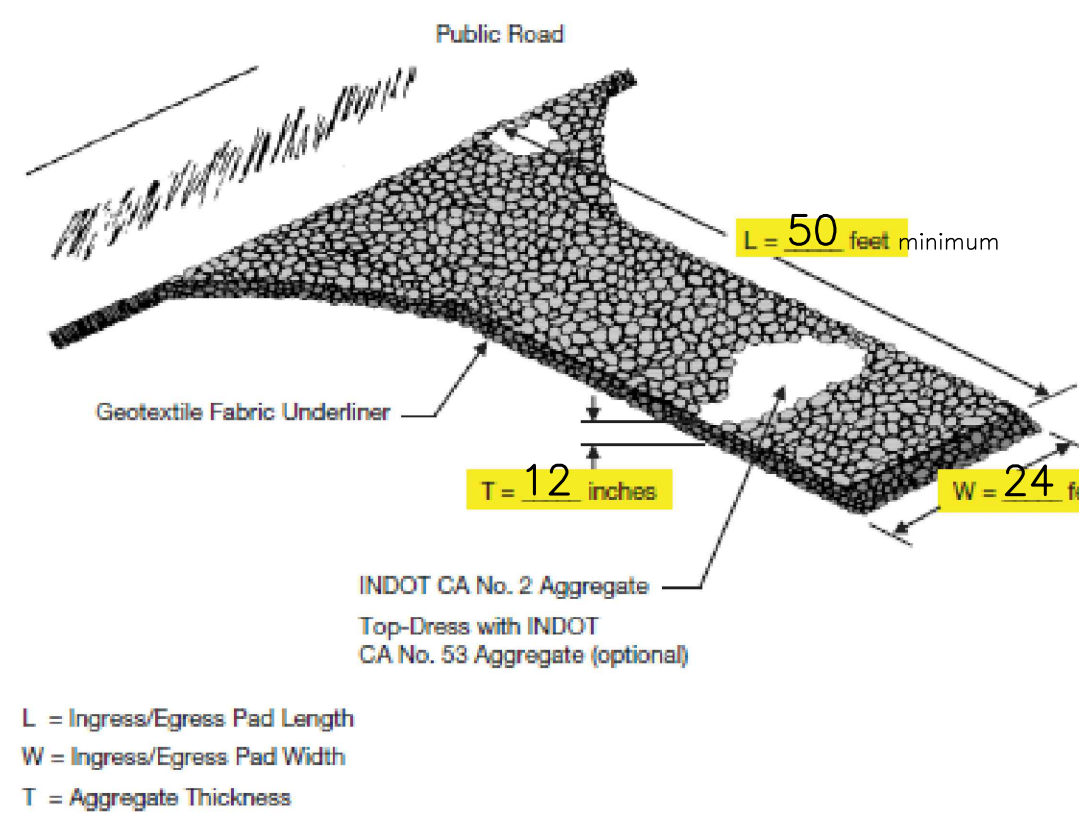
- 1. Width - 12 feet minimum or full width of entrance/exit drive, whichever is greater.
- 2. Length - 50 feet minimum or full length of drive, whichever is greater.
- 3. Thickness - six inches minimum.

MATERIALS

- 1. One to two and one-half inch diameter washed aggregate [INDOT CA No. 2.
- 2. One-half to one and one-half inch washed aggregate [INDOT CA No. 53 optional, used primarily where the purpose of the pad is to keep soil from adhering to vehicle tires].
- 3. Geotextile fabric underlayment (used as a separation layer to prevent intermixing of aggregate and the underlying soil material and to provide greater bearing strength when encountering wet conditions or soils with a seasonal high water table limitation).

INSTALLATION

- 1. Remove all vegetation and other objectionable material from the foundation area.
- 2. Grade the foundation and crown for positive drainage.
- 3. Install a culvert pipe under the pad if needed to maintain proper public road drainage.
- 4. If wet conditions are anticipated, place geotextile fabric on the graded foundation to improve stability.
- 5. Place aggregate (INDOT CA No. 2) to the dimensions and grade shown in the construction plans, leaving the surface smooth and sloped for drainage.
- 6. Top-dress the drive with washed aggregate (INDOT CA No.53).
- 7. Where possible, divert all storm water runoff and drainage from the temporary construction ingress/egress pad to a sediment trap or basin.



L = Ingress/Egress Pad Length
W = Ingress/Egress Pad Width
T = Aggregate Thickness

TOPSOIL SALVAGE AND UTILIZATION

SOIL STOCKPILE AREA

- 1. Free of stumps, rock, and construction debris.
- 2. Stockpile covered with vegetation or a tarp.
- 3. Surrounded by a sediment barrier or sediment filter.

APPLICATION

- 1. Prior to stripping topsoil, install any site-specific down slope measures needed to control storm water runoff and sedimentation.
- 2. Remove soil material no deeper than the surface soil (e.g., A or Ap horizon).
- 3. Stockpiled soil should be temporarily seeded or covered with a tarp and/or surrounded by a sediment control measure.
- 4. Prior to applying topsoil, grade the subsoil and roughen the top three to four inches by disking. (This helps the topsoil bond with the subsoil. If the topsoil and existing soil surface are not properly bonded, water will not infiltrate evenly and it will be difficult to establish vegetation.)
- 5. Apply topsoil evenly to a depth of at least four inches, then compact slightly to improve contact with the subsoil.
 - a. Depths of four inches or greater are recommended if the underlying material is bedrock, fine-textured clayey soils, loose sand, rock fragments, aggregate, or other unsuitable soil material.
 - b. Do not apply topsoil when the site is wet, muddy, or frozen because it makes spreading difficult, inhibits bonding, can cause compaction problems, and forms a cloddy seedbed. Whenever possible avoid applying topsoil to the existing soil surface if the two layers have contrasting textures. Clayey topsoil over sandy subsoil is a particularly poor combination, as water creeps along the junction between the two soil layers and may cause the topsoil to slough.
 - c. Applying topsoil on slopes with a ratio of 2:1 or greater may result in soil slippage and may require additional measures to provide good bonding of the soil material.
- 6. After spreading the topsoil, grade and stabilize the site.

EROSION CONTROL INSTALLATION DETAILS (CONT.)

TEMPORARY SEEDING

MATERIALS

- 1. Soil Amendments - Select materials and rates as determined by a soil test (contact your county soil and water conservation district or cooperative extension office for assistance and soil information, including available soil testing services) or 400 to 600 pounds of 12-0-12 analysis fertilizer, or equivalent. Consider the use of reduced phosphorus application where soil tests indicate adequate phosphorus levels in the soil profile.
- 2. Seed - Select appropriate plant species seed or seed mixtures on the basis of quick germination, growth, and time of year to be seeded (see Table 1).
- 3. Mulch -
 - a. Straw, hay, wood fiber, etc. (to protect seedbed, retain moisture, and encourage plant growth).
 - b. Anchored to prevent removal by wind or water or covered with manufactured erosion control blankets.

Table 1. Temporary Seeding Specifications

Seed Species	Rate per Acre	Planting Depth	Optimum Dates*
Wheat or Rye	150 lbs.	1 to 1½ inches	Sept. 15 - Oct. 30
Spring Oats	100 lbs.	1 inch	March 1 - April 15
Annual Ryegrass	40 lbs.	¼ inch	March 1 - May 1 Aug. 1 - Sept. 1
German Millet	40 lbs.	1 to 2 inches	May 1 - June 1
Sudangrass	35 lbs.	1 to 2 inches	May 1 - July 30
Buckwheat	60 lbs.	1 to 2 inches	April 15 - June 1
Corn (broadcast)	300 lbs.	1 to 2 inches	May 11 - Aug. 10
Sorghum	35 lbs.	1 to 2 inches	May 1 - July 15

* Perennial species may be used as a temporary cover, especially if the area to be seeded will remain idle for more than one year (see Permanent Seeding Sheet C510-C520).

† Seeding done outside the optimum seeding dates increases the chances of seeding failure. Dates may be extended or shortened based on the location of the project site within the state.

Notes:
Mulch alone is an acceptable temporary cover and may be used in lieu of temporary seeding, provided that it is appropriately anchored. A high potential for fertilizer, seed, and mulch to wash exists on steep banks, cuts, and in channels and areas of concentrated flow.

SEEDBED PREPARATION

- 1. Test soil to determine pH and nutrient levels.
- 2. Apply soil amendments as recommended by the soil test. If testing is not done, apply 400 to 600 pounds per acre of 12-0-12 analysis fertilizer, or equivalent.
- 3. Work the soil amendments into the upper two to four inches of the soil with a disk or rake operated across the slope.

SEEDING

- 1. Select a seed species or an appropriate seed mixture and application rate from Table 1.
- 2. Apply seed uniformly with a drill or cultipacker seeder or by broadcasting. Plant or cover seed to the depth shown in Table 1.

Notes:
1. If drilling or broadcasting the seed, ensure good seed-to-soil contact by firming the seedbed with a roller or cultipacker after completing seeding operations.

- 2. Daily seeding when the soil is moist is usually most effective.
- 3. If seeding is done with a hydroseeder, fertilizer and mulch can be incorporated with the seed in a slurry mixture.

- 3. Apply mulch (Mulching Sheet C520) and anchor it in place.

	TEMPORARY SEEDING DATES											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
WHEAT OR RYE									///	///		
OATS			///	///								
ANNU. RYEGRASS			///	///	///	///	///	///	///	///	///	///
///	IRRIGATION NEEDED THIS PERIOD. TO CONTROL EROSION AT TIMES OTHER THAN IN THE SHADED AREA USE MULCH											

PERMANENT SEEDING

MATERIALS

- 1. Soil Amendments - (contact your county soil and water conservation district or cooperative extension office for assistance and soil information, including available soil testing services) or 400 to 600 pounds of 12-0-12 analysis fertilizer, or equivalent. Consider the use of reduced phosphorus application where soil tests indicate adequate phosphorus levels in the soil profile.
- 2. Seed - Select appropriate plant species seed or seed mixtures on the basis of quick germination, growth, and time of year to be seeded (see Table 1).
- 3. Mulch -
 - a. Straw, hay, wood fiber, etc. (to protect seedbed, retain moisture, and encourage plant growth).
 - b. Anchored to prevent removal by wind or water or covered with manufactured erosion control blankets.

SITE PREPARATION

- 1. Grade the site to achieve positive drainage.
- 2. Add topsoil (see Topsoil Salvage and Utilization Sheet C510) or mulch (see Mulching Sheet C520) to achieve needed depth for establishment of vegetation. (Compost material may be added to improve soil moisture holding capacity, soil friability, and nutrient availability.)

SEEDBED PREPARATION

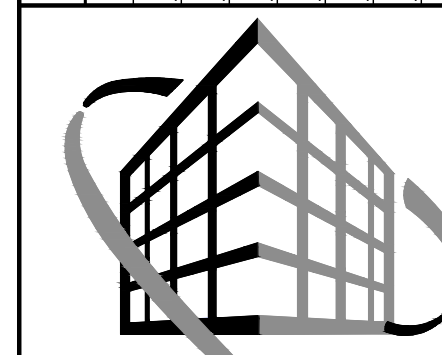
- 1. Test soil to determine pH and nutrient levels.
- 2. Apply soil amendments as recommended by the soil test and work into the upper two to four inches of soil. If testing is not done, apply 400 to 600 pounds per acre of 12-0-12 analysis fertilizer, or equivalent.
- 3. Till the soil to obtain a uniform seedbed. Use a disk or rake, operated across the slope, to work the soil amendments into the upper two to four inches of the soil.
- 3. Mulch all seeded areas (see Mulching Sheet C520)

SEEDING

Optimum seeding dates are March 1 to May 10 and August 10 to September 30. Permanent seeding done between May 10 and August 10 may need to be irrigated. Seeding outside or beyond optimum seeding dates is still possible with the understanding that reseeding or overseeding may be required if adequate surface cover is not achieved. Reseeding or overseeding can be easily accomplished if the soil surface remains well protected with mulch.

- 1. Select a seeding mixture and rate from Table 1. Select seed mixture based on site conditions, soil pH, intended land use, and expected level of maintenance.
- 2. Apply seed uniformly with a drill or cultipacker seeder or by broadcasting. Plant or cover the seed to a depth of one-fourth to one-half inch. If drilling or broadcasting the seed, ensure good seed-to-soil contact by firming the seedbed with a roller or cultipacker after completing seeding operations. (If seeding is done with a hydroseeder fertilizer and mulch can be applied with the seed in a slurry mixture.) and use appropriate methods to anchor the mulch in place. Consider using erosion control blankets on sloping areas and conveyance channels (see Erosion Control Blanket Sheet 520).

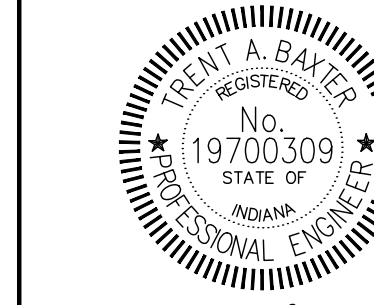
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Job No. 25028 Date Stamped 04/29/2026

Drawn By: cow Checked By: Scale: tab

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SHEET TITLE:

C510

EROSION CONTROL INSTALLATION DETAILS (CONT.)

PERMANENT SEEDING (CONT.)

Table 1. Permanent Seeding Recommendations
This table provides several seed mixture options. Additional seed mixtures are available commercially. When selecting a mixture, consider intended land use and site conditions, including soil properties (e.g., soil pH and drainage), slope aspect, and the tolerance of each species to shade and drought.

Open Low-Maintenance Areas (remaining idle more than six months)

Seed Mixtures	Rate per Acre Pure Live Seed	Optimum Soil pH
1. Perennial ryegrass - white clover ¹	70 lbs. 2 lbs.	5.6 to 7.0
2. Perennial ryegrass - tall fescue ²	70 lbs. 50 lbs.	5.6 to 7.0
3. Tall fescue ² - white clover ¹	70 lbs. 2 lbs.	5.5 to 7.5

Steep Banks and Cuts, Low-Maintenance Areas (not mowed)

Seed Mixtures	Rate per Acre Pure Live Seed	Optimum Soil pH
1. Smooth brome grass - red clover ¹	35 lbs. 20 lbs.	5.5 to 7.0
2. Tall fescue ² - white clover ¹	50 lbs. 2 lbs.	5.5 to 7.5
3. Tall fescue ² - red clover ¹	50 lbs. 20 lbs.	5.5 to 7.5
4. Orchard grass - red clover ¹ - white clover ¹	30 lbs. 20 lbs. 2 lbs.	5.6 to 7.0
5. Crownvetch ¹ - tall fescue ²	12 lbs. 30 lbs.	5.6 to 7.0

Lawns and High-Maintenance Areas

Seed Mixtures	Rate per Acre Pure Live Seed	Optimum Soil pH
1. Bluegrass	140 lbs.	5.5 to 7.0
2. Perennial ryegrass (turf type)	60 lbs. 90 lbs.	5.6 to 7.0
3. Tall fescue (turf type) ² - bluegrass	170 lbs. 30 lbs.	5.6 to 7.5

Channels and Areas of Concentrated Flow

Seed Mixtures	Rate per Acre Pure Live Seed	Optimum Soil pH
1. Perennial ryegrass - white ¹	150 lbs. 2 lbs.	5.5 to 7.0
2. Kentucky bluegrass - smooth bromegrass - switchgrass - timothy - perennial ryegrass - white clover ²	20 lbs. 10 lbs. 3 lbs. 4 lbs. 10 lbs. 2 lbs.	5.5 to 7.5
3. Tall fescue ¹ - white clover ²	150 lbs. 2 lbs.	5.5 to 7.5
4. Tall fescue ² - perennial ryegrass - Kentucky bluegrass	150 lbs. 20 lbs. 20 lbs.	5.5 to 7.5

Notes:

- An oat or wheat companion or nurse crop may be used with any of the above permanent seeding mixtures, at the following rates:
 - spring oats - one-fourth to three-fourths bushel per acre
 - wheat - no more than one-half bushel per acre
- A high potential for fertilizer, seed, and mulch to wash exists on steep banks, cuts, and in channels and areas of concentrated flow.

	PERMANENT SEEDING DATES											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Non-irrigated(1)												
Irrigated												
Dormant(2)												

IRRIGATION NEEDED THIS PERIOD. TO CONTROL EROSION AT TIMES OTHER THAN IN THE SHADED AREA USE MULCH
(1) LATE SUMMER SEEDING DATES MAY BE EXTENDED 5 DAYS IF MULCH IS APPLIED
(2) INCREASE SEEDING APPLICATION BY 50%

MULCHING

MATERIALS

Table 1. Mulch Specifications

Material ¹	Rate per Acre	Comments
Straw or hay	2 tons	Should be dry, free of undesirable seeds. Spread by hand or machine. Must be crimped or anchored (see Table 2).
Wood fiber or cellulose	1 ton	Apply with a hydraulic mulch machine and use with tacking agent.

¹ Mulching is not recommended in concentrated flows. Consider erosion control blankets or other stabilization methods.

MULCHING (CONT.)

Table 2. Mulch Anchoring Methods

Anchoring Method ¹	How to Apply
Mulch anchoring tool or farm disk (dull, serrated, and blades set straight)	Crimp or punch the straw or hay two to four inches into the soil. Operate machinery on the contour of the slope.
Cleating with dozer tracks	Operate dozer up and down slope to prevent formation of rills by dozer cleats.
Wood hydromulch fibers	Apply according to manufacturer's recommendations.
Synthetic tackifiers, binders, or soil stabilizers	Apply according to manufacturer's recommendations.
Netting (synthetic or biodegradable material)	Install netting immediately after applying mulch. Anchor netting with staples. Edges of netting strips should overlap with each up-slope strip overlapping four to six inches over the adjacent down-slope strip. Best suited to slope applications. In most instances, installation details are site specific, so manufacturer's recommendations should be followed.

¹ All forms of mulch must be anchored to prevent displacement by wind and/or water.

APPLICATION

- Apply mulch at the recommended rate shown in Table 1.
- Spread the mulch material uniformly by hand, hayfork, mulch blower, or hydraulic mulch machine. After spreading, no more than 25 percent of the ground should be visible.
- Anchor straw or hay mulch immediately after application. The mulch can be anchored using one of the methods listed below:
 - Crimp with a mulch anchoring tool, a weighted farm disk with dull serrated blades set straight, or track cleats of a bulldozer,
 - Apply hydraulic mulch with short cellulose fibers,
 - Apply a liquid tackifier, or
 - Cover with netting secured by staples.

EROSION CONTROL BLANKET

MATERIALS

- Organic (straw, excelsior, woven paper, coconut fiber, etc.) or synthetic mulch incorporated with a polypropylene, natural fiber or similar netting material (The netting may be biodegradable, photodegradable or permanent.)
- Six to 12-inch staples, pins, or stakes.

INSTALLATION

- Select the type and weight of erosion control blanket to fit the site conditions (e.g., slope, channel, flow velocity) per the manufacturer's specifications.
- Prepare the seedbed, add soil amendments, and permanently seed (see Permanent Seeding Sheet C510, C520) the area immediately following seedbed preparation.
- Lay erosion control blankets on the seeded area so that they are in continuous contact with the soil with each up-slope or up-stream blanket overlapping the down-slope or down-stream blanket by at least eight inches, or follow manufacturer's recommendations
- Tuck the uppermost edge of the upper blankets into a check slot (slit trench), backfill with soil and tamp down. In certain applications, the manufacturer may require additional check slots at specific locations down slope from the uppermost edge of the upper blankets.
- Anchor the blankets in place by driving staples, pins, or stakes through the blanket and into the underlying soil. Follow an anchoring pattern appropriate for the site conditions and as recommended by the manufacturer.

TURF REINFORCEMENT MAT

MATERIALS

- Anchoring
Staples, pins, or stakes used to prevent movement or displacement of mat. (Follow manufacturer's recommendations for specific applications.)
- Turf reinforcement mat (typically consists of a three-dimensional matrix of polypropylene, nylon, or other material).
- Six to 12-inch staples, pins, or stakes.

INSTALLATION

- Select a turf reinforcement mat appropriate for the site conditions (e.g., slope, channel, flow velocity) per the manufacturer's specifications.
- Grade and prepare the soil foundation for mat installation.
- Install the mat according to the manufacturer's instructions, including burying the edges in check slots or silt trenches.
- Anchor the mat in place by driving staples, pins, or stakes through the mat and into the underlying soil. Follow an anchoring pattern appropriate for the site conditions and as recommended by the manufacturer.
- Backfill the mat with topsoil, filling to the top of the mat.
- Seed the area after the mat has been installed and backfilled with soil.
- Install erosion control blankets over the seeded turf reinforcement mat to stabilize the surface.

ROCK CHECK DAM

MATERIALS

- Geotextile fabric (8 ounce or heavier; nonwoven).
- Indiana Department of Transportation Revetment riprap for dam.
- INDOT CA No. 5 aggregate for use as filter medium (Aggregate must be well-graded).

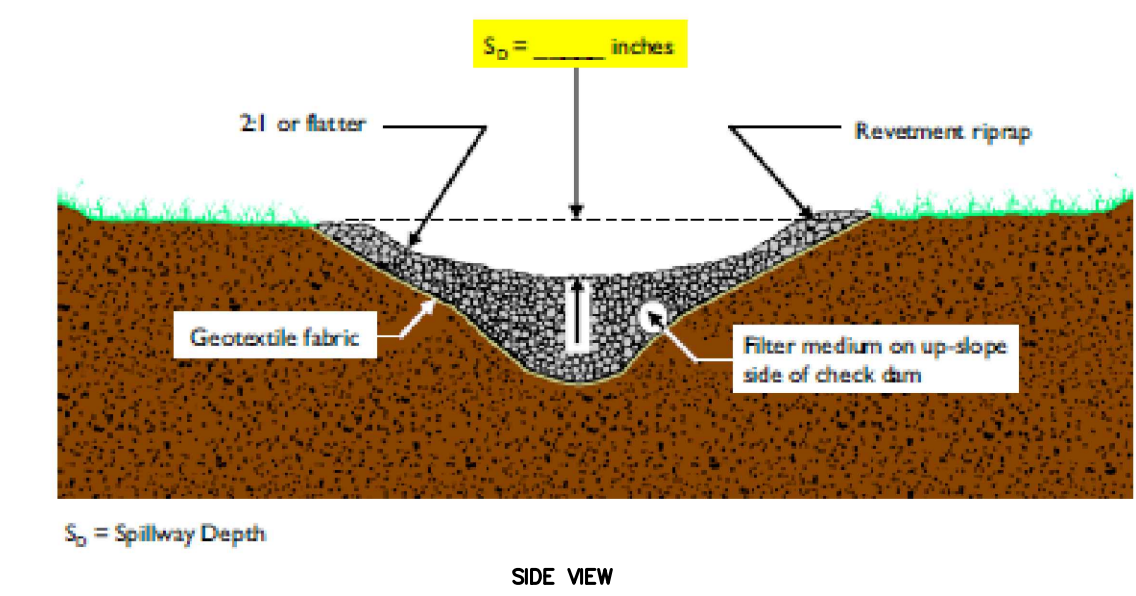
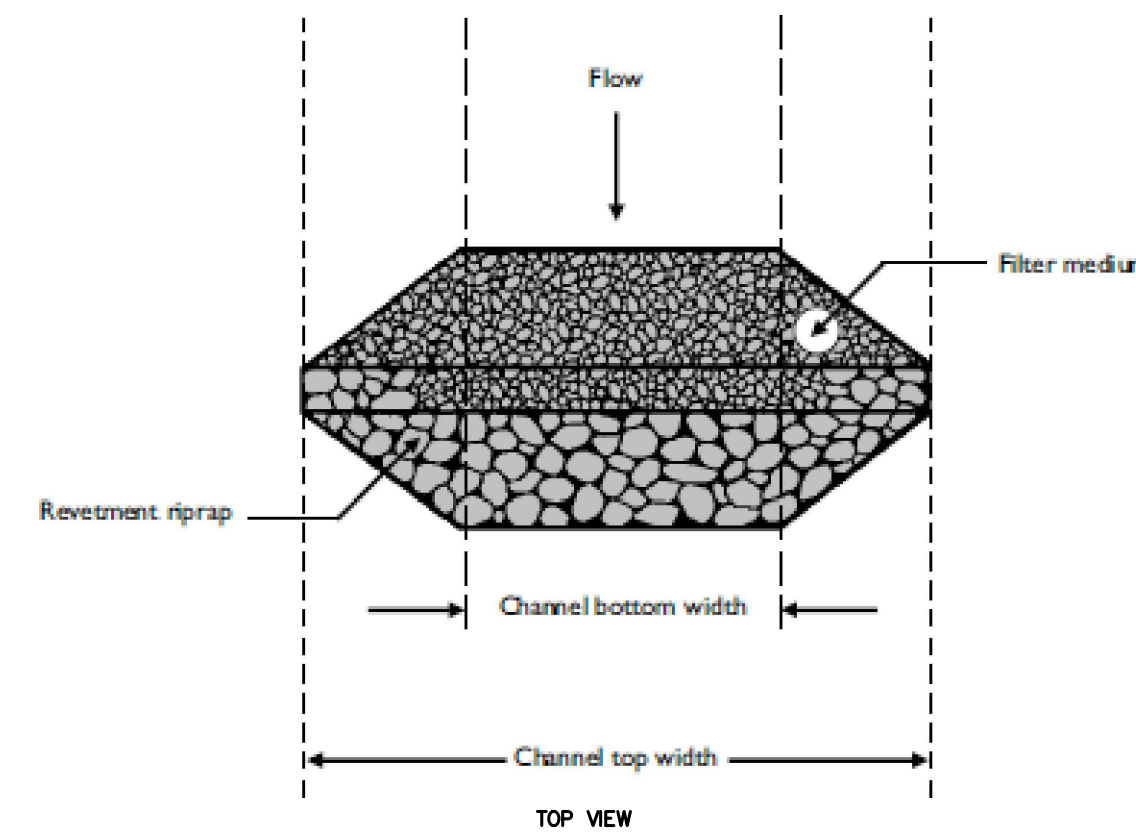
Note: INDOT CA No. 8 aggregate is acceptable if No. 5 aggregate is not available. The use of No. 8 aggregate may result in more frequent overtopping of the structure and will increase the frequency of structure maintenance.

INSTALLATION

- Lay out the location of the check dam.
- Excavate a cutoff trench into the channel bottom and ditch banks, extending it a minimum of 18 inches beyond the top of the ditch bank.
- Install and anchor filter fabric in the channel and cutoff trench.
- Place riprap in the cutoff trench and channel to the lines and dimensions shown in the construction plans. The center of each dam must be at least nine inches lower than the uppermost points of contact between the riprap dam and channel banks.
- Extend the riprap at least 18 inches beyond the top of the channel banks to keep overflow water from eroding areas adjacent to the channel banks before it re-enters the channel.

ROCK CHECK DAM (CONT.)

- Place filter medium (INDOT CA No. 5 aggregate) on the up-slope side of the dam. Place filter medium over the entire face of the dam up to the base of the overflow weir notch.
- Stabilize the channel above the uppermost dam.
- Install an erosion-resistant lining in the channel below the lowermost dam. The lining should extend a minimum distance of six feet below the dam.
- Additional sediment storage can be provided by excavating a small sediment trap on the upstream side of the check dam.



GEOTEXTILE FABRIC DROP INLET PROTECTION

MATERIALS

- Support posts
- 2 x 2 inch or 2 x 4 inch hardwood posts.
- Three feet length, minimum.
- 1 x 2 inch or 1 x 3 inch hardwood cross bracing lumber.
- Lathe.
- Staples or nails.
- Geotextile fabric

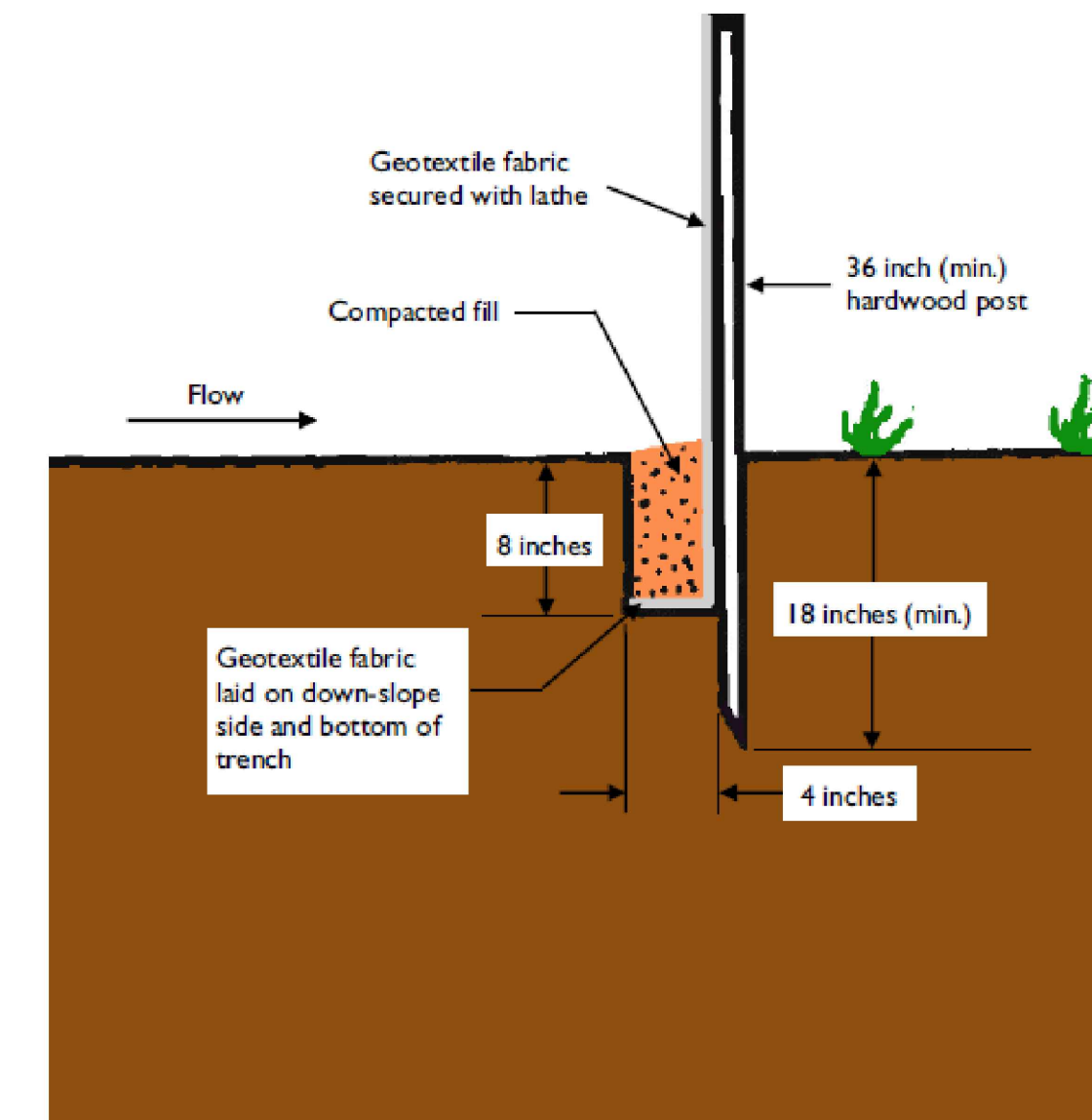
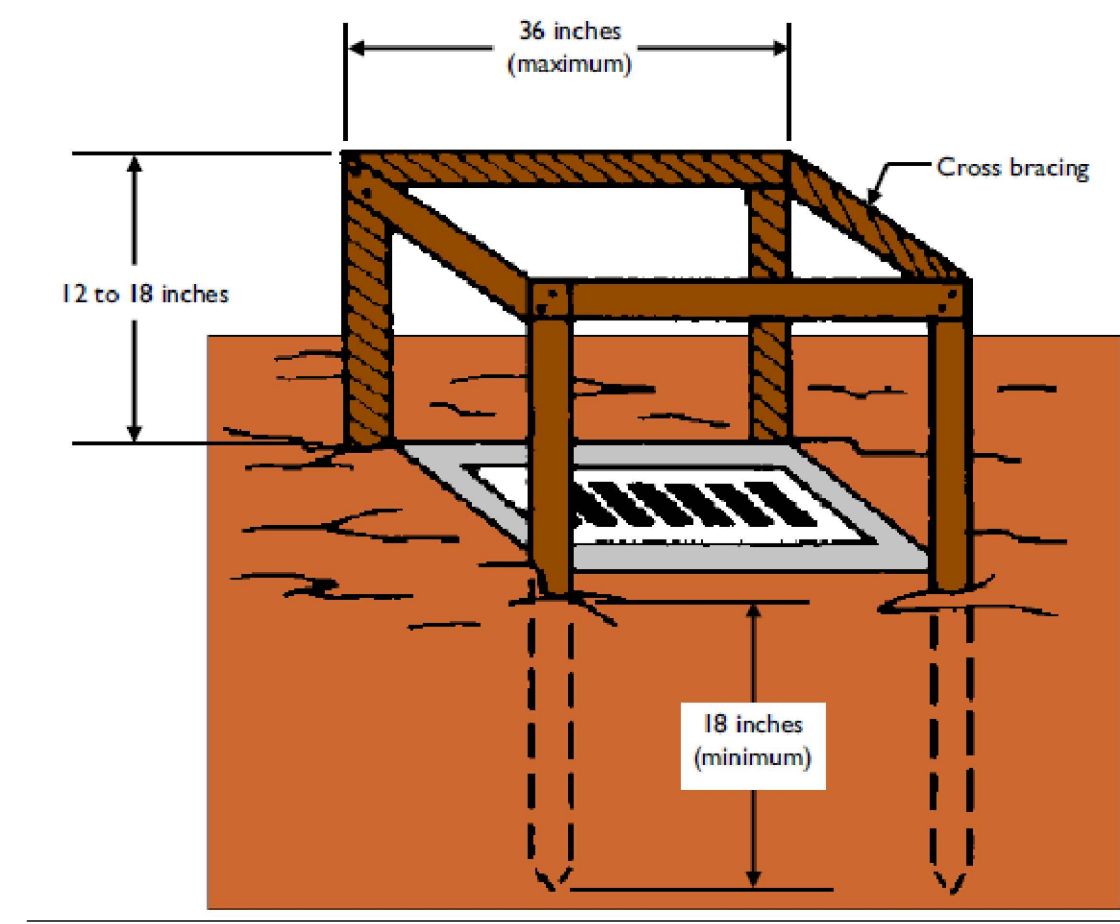
Table 1. Geotextile Fabric Specifications

Physical Property	Woven	Non-Woven
Filtering Efficiency	85%	85%
UV Resistance (Inhibitors and stabilizers to ensure six month minimum life at temperatures of 0° to 120° F)	70%	85%
Tensile Strength at 20% Elongation:		
Standard Strength	30 lbs./linear inch	50 lbs./linear inch
Extra Strength	50 lbs./linear inch	70 lbs./linear inch
Slurry Flow Rate	0.3 gal./min./sq. ft.	4.5 gal./min./sq. ft.
Water Flow Rate	15 gal./min./sq. ft.	220 gal./min./sq. ft.

INSTALLATION

- Dig an eight-inch deep, four-inch wide trench around the perimeter of the inlet.
- If using pre-assembled geotextile fabric and posts, drive the posts into the soil, tightly stretching the geotextile fabric between posts as each is driven. (Posts must be placed on the inlet side of the anchor trench with the geotextile fabric on the side of the trench farthest from the inlet.)
Note: If assembling the geotextile fabric and posts on-site, drive the posts into the soil and then secure the geotextile fabric to the posts by placing a piece of lathe over the fabric and fastening it to the post (stretching the fabric between posts as it is fastened).
- Use the wrap join method when joining posts (see Silt Fence on sheet C520, C530).
- Place the bottom 12 inches of geotextile fabric into the eight-inch deep trench, laying the remaining four inches in the bottom of the trench and extending away from the inlet.
- Backfill the trench with soil material and compact it in place.
- Brace the posts by nailing braces into each corner post or utilize rigid panels to support fabric.
Note: In situations where storm water may bypass the structure, either:

- Set the top of the geotextile fabric filter at least six inches lower than the ground elevation on the down-slope side of the storm drain inlet,
- Build a temporary dike, compacted to six inches higher than the fabric, on the down-slope side of the storm drain inlet, AND/OR



SILT FENCE

MATERIALS

- Fabric - woven or non-woven geotextile fabric meeting specified minimums outlined in Table 2.
 - Height - a minimum of 18 inches above ground level (30 inches maximum).
 - Reinforcement - fabric securely fastened to posts with wood lathe.
- Support Posts
 - 2 x 2 inch hardwood posts. Steel fence posts may be substituted for hardwood posts (steel posts should have projections for fastening fabric).
 - Spacing - Eight feet maximum if fence is supported by wire mesh fencing. Six feet maximum for extra-strength fabric without wire backing.

Table 1. Slope Steepness Restrictions

Percent Slope		Maximum Distance
< 2%	< 50:1	100 feet
2% - 5%	50:1 to 20:1	75 feet
5% - 10% ¹	20:1 to 10:1	50 feet
10% - 20% ¹	10:1 to 5:1	25 feet
> 20% ¹	> 5:1	15 feet

¹ Consider other alternatives.

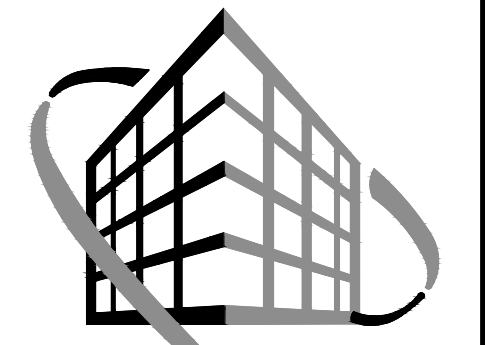
Note: Multiple rows of silt fence are not recommended on the same slope.

Table 2. Geotextile Fabric Specifications for Silt Fence (minimum)

Physical Property	Woven Geotextile Fabric	Non-Woven Geotextile Fabric
Filtering efficiency	85%	85%
Textile strength at 20% elongation		
Standard strength	30 lbs. per linear inch	50 lbs. per linear inch
Extra strength	50 lbs. per linear inch	70 lbs. per linear inch
Slurry flow rate	0.3 gal./min./square feet	4.5 gal./min./square feet
Water flow rate	15 gal./min./square feet	220 gal./min./square feet
UV resistance	70%	85%
Post spacing	7 feet	5 feet

Note: Silt fences can be purchased commercially.

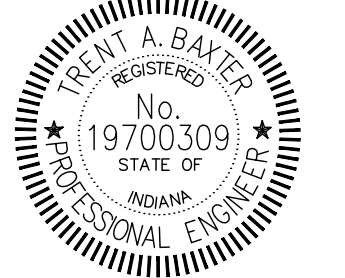
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Site Erosion Control Details

Job No. 25028 Date Stamped 04/29/2026

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C520

SILT FENCE (CONT.)

INSTALLATION

Prefabricated silt fence (see Exhibits 1, 2, and 3)

1. Lay out the location of the fence so that it is parallel to the contour of the slope and at least 10 feet beyond the toe of the slope to provide a sediment storage area. Turn the ends of the fence up slope such that the point of contact between the ground and the bottom of the fence end terminates at a higher elevation than the top of the fence at its lowest point (see Exhibit 1).
2. Excavate an eight-inch deep by four-inch wide trench along the entire length of the fence line (see Exhibit 2). Installation by plowing is also acceptable.
3. Install the silt fence with the filter fabric located on the up-slope side of the excavated trench and the support posts on the down-slope side of the trench.
4. Drive the support posts at least 18 inches into the ground, tightly stretching the fabric between the posts as each is driven into the soil. A minimum of 12 inches of the filter fabric should extend into the trench. (If it is necessary to join the ends of two fences, use the wrap joint method shown in Exhibit 3.)
5. Lay the lower four inches of filter fabric on the bottom of the trench and extend it toward the up-slope side of the trench.
6. Backfill the trench with soil material and compact it in place.

Note: If the silt fence is being constructed on-site, attach the filter fabric to the support posts (refer to Tables 1 and 2 for spacing and geotextile specifications) and attach wooden lathe to secure the fabric to the posts. Allow for at least 12 inches of fabric below ground level. Complete the silt fence installation, following steps 1 through 6 above.

Exhibit 1

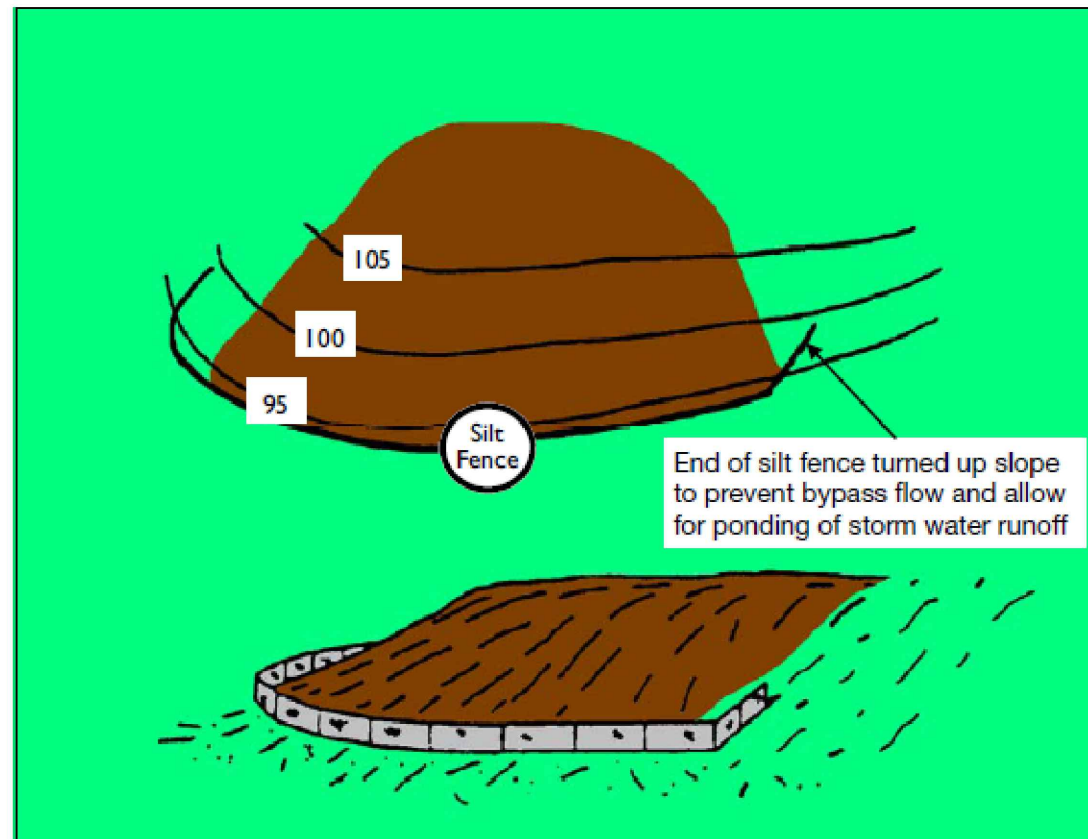


Exhibit 2

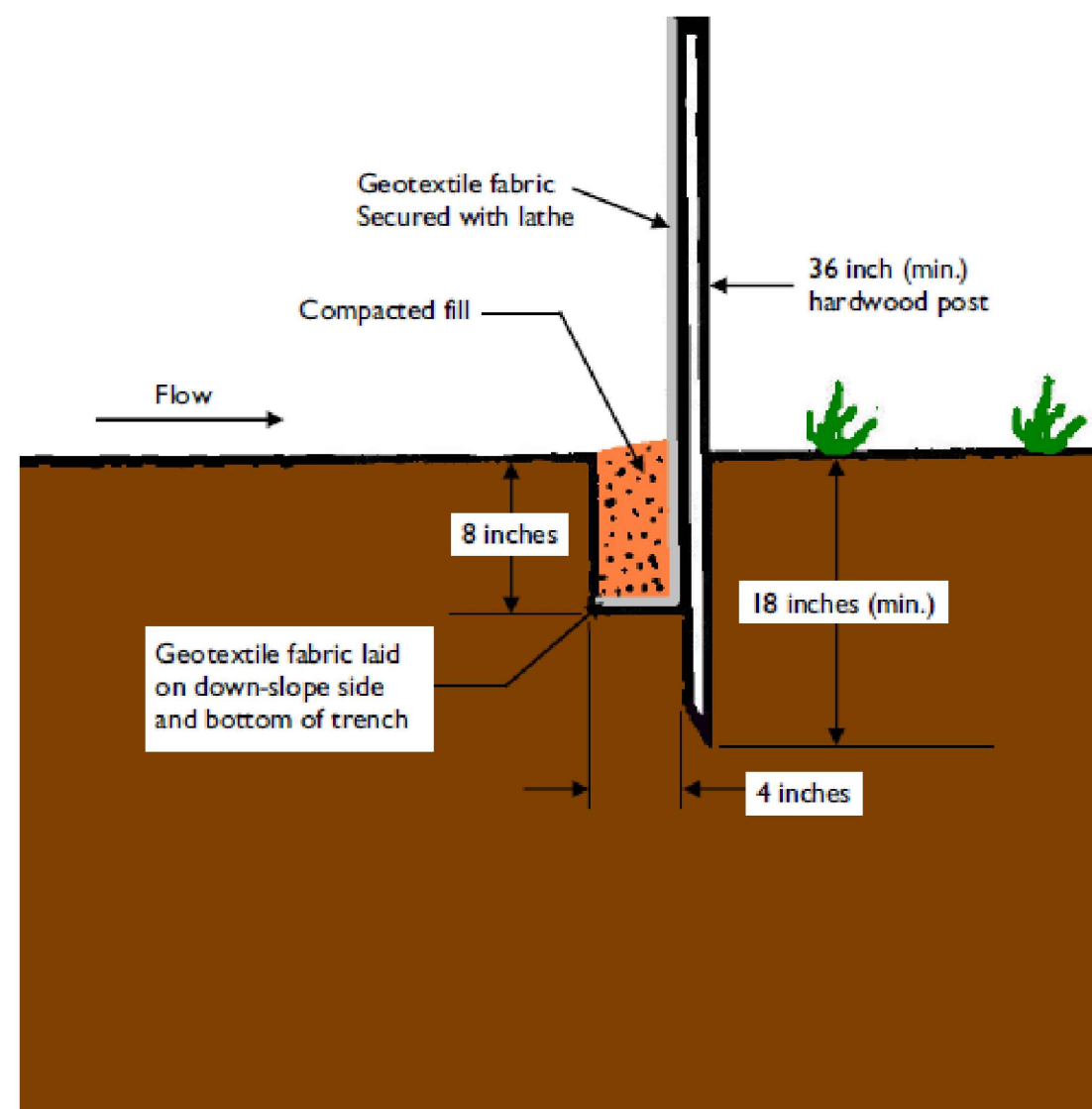
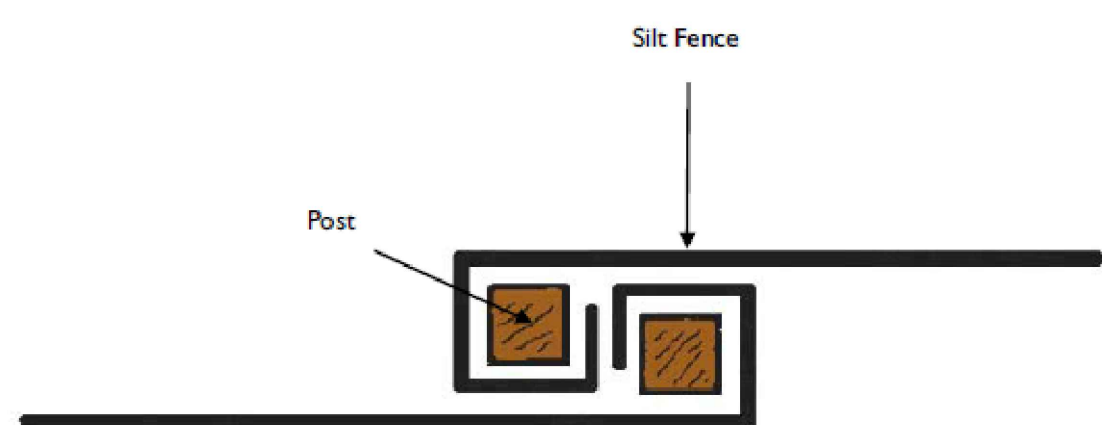
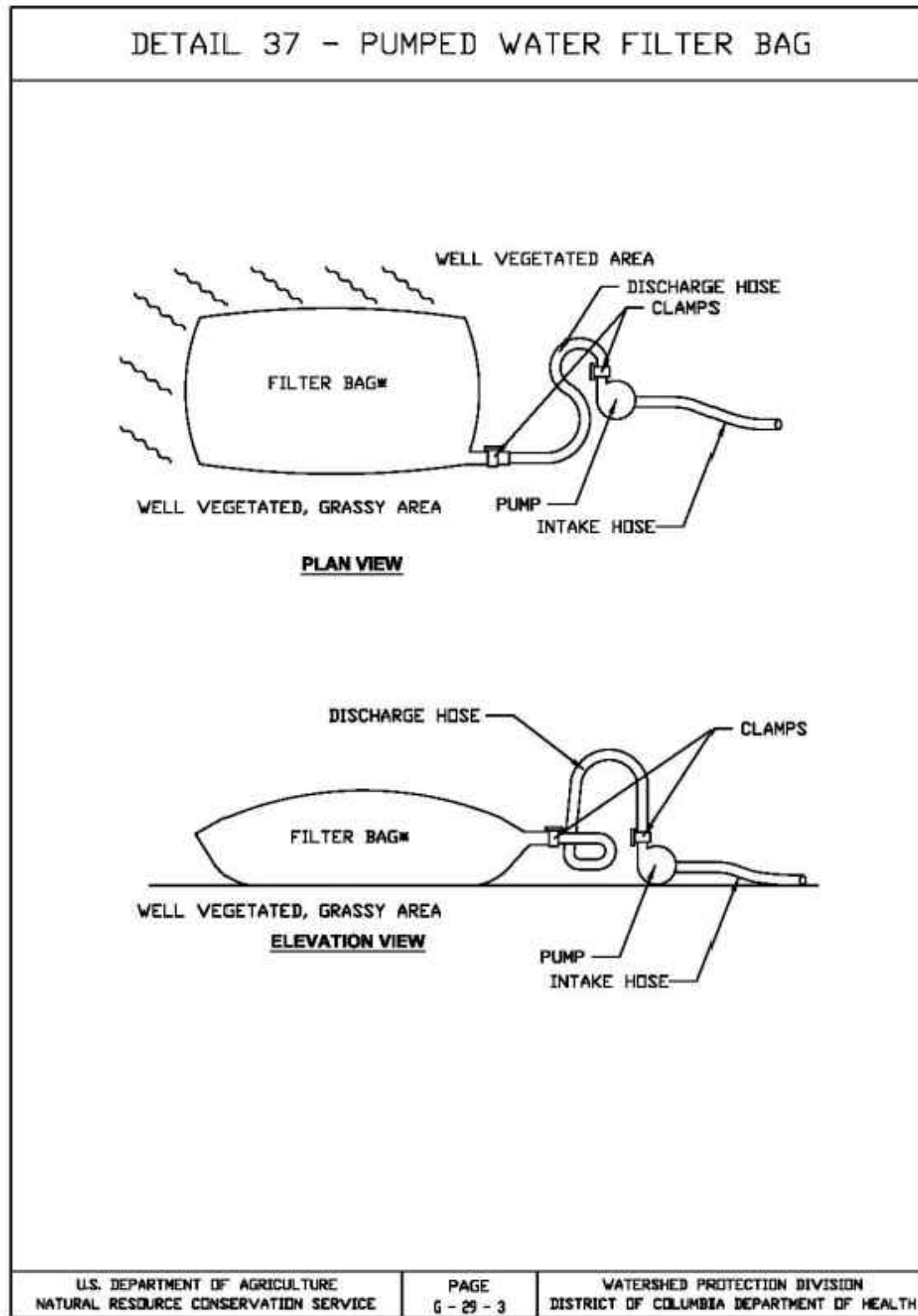


Exhibit 3



DE-WATERING SYSTEM



PREFABRICATED CONCRETE WASHOUT SYSTEM/CONTAINER

MATERIALS

1. Self-contained sturdy containment systems that are delivered to a site
2. Minimum of ten millimeter polyethylene sheeting that is free of holes, tears, and other defects. The sheeting selected should be of an appropriate size to fit the washout system without seams or overlap of the lining
3. Signage.

SURFACE ROUGHENING

Roughening Slopes (To Be Mowed)

1. Make slopes to be mowed no steeper than 3:1.
2. Use a tiller, disk, harrow, or culti-packer to roughen the slopes, creating shallow grooves no more than ten inches apart, one inch deep, and that run parallel to the slope contour.

Roughening Areas with Tracked Machinery

1. Limit roughening with tracked machinery to sandy or relatively dry, finetextured soils to avoid undue surface compaction. (This roughening method is generally not as effective as other roughening methods).
2. Operate the tracked machinery up and down the slope so as to leave horizontal depressions in the soil.

Note: Do not back-blade during the final grading operation.

Seeding, Fertilizing, and Mulching Roughened Areas

1. Immediately seed, fertilize, and mulch surface-roughened areas while soil is loose and moist to aid seed germination and vegetative growth (see Temporary Seeding Sheet C510; Permanent Seeding Sheet C510, C520; Mulching Sheet C520)
2. If roughening with tracked machinery, consider seeding, fertilizing, and mulching first, letting the cleats of the tracks incorporate the seed and fertilizer into the soil and anchor the mulch. This is especially well suited for temporary seeding when timeliness is critical and equipment is unavailable for planting operations.

DANDY SACKS (PAVED INLET DROP PROTECTION)

MATERIALS

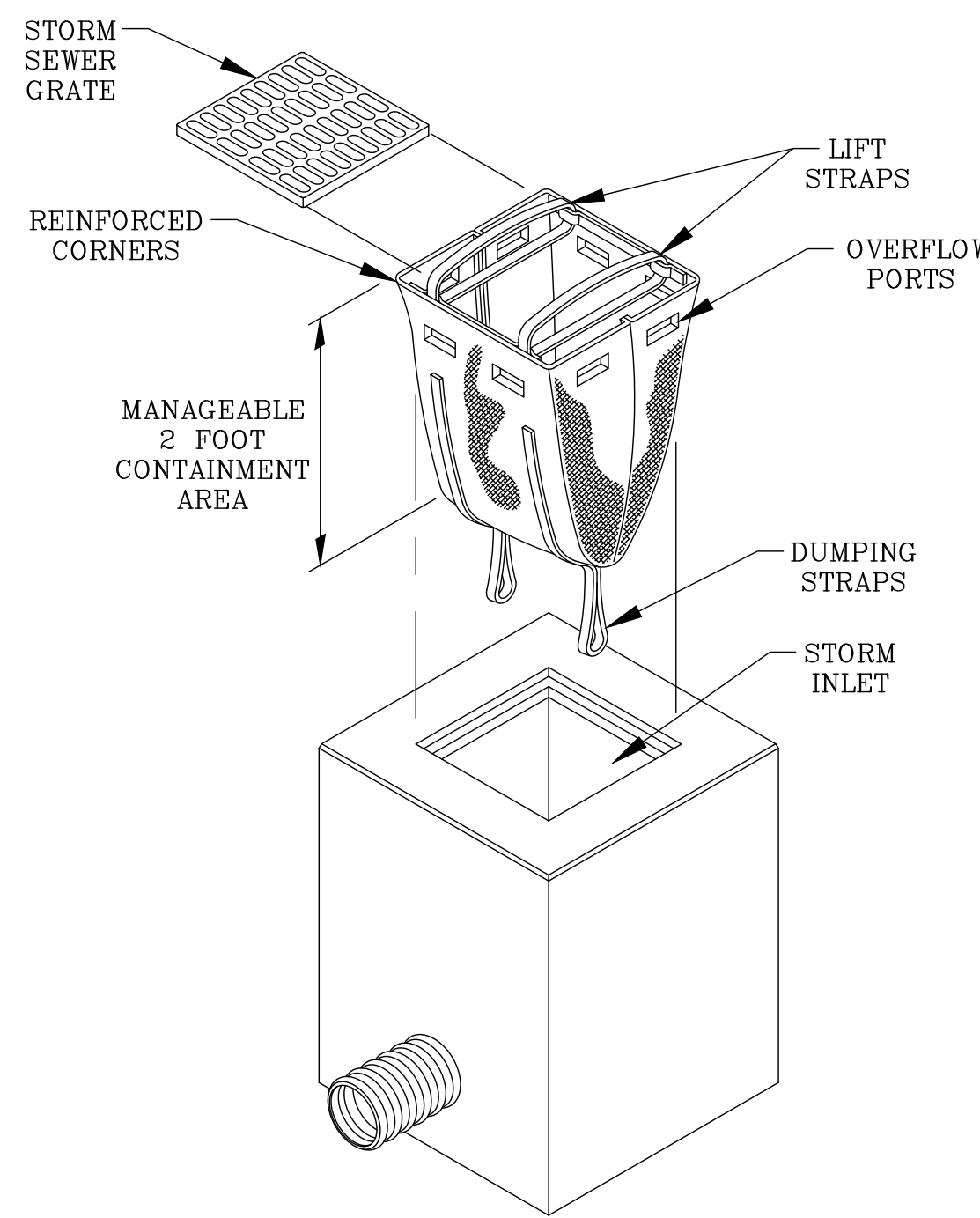
THE DANDY SACK™ WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS: REGULAR FLOW DANDY SACK™ (BLACK)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.78 (400) x 1.40 (315)
Grab Tensile Elongation	ASTM D 4632	%	15 x 15
Puncture Strength	ASTM D 4633	kN (lbs)	0.67 (150)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	5506 (800)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.67 (150) x 0.73 (165)
UV Resistance	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m² (gal/min/ft²)	2852 (70)
Permittivity	ASTM D 4491	Sec⁻¹	0.90

HI-FLOW DANDY SACK™ (SAFETY ORANGE)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365) x 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 x 10
Puncture Strength	ASTM D 4633	kN (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115) x 0.33 (75)
UV Resistance	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m² (gal/min/ft²)	5907 (145)
Permittivity	ASTM D 4491	Sec⁻¹	2.1

DANDY SACKS (PAVED INLET DROP PROTECTION) (CONT.)



EROSION CONTROL INSPECTION AND MAINTENANCE GUIDELINES

EROSION CONTROL INSPECTION GUIDELINES TABLE

EROSION CONTROL MEASURE	EROSION CONTROL MEASURE INSPECTION FREQUENCY			
	DAILY	WEEKLY	AFTER RAIN EVENT	AS NEEDED
TREE PRESERVATION		X		X
CONSTRUCTION ENTRANCE	X			X
TOP SOIL STOCKPILE	X			X
TEMPORARY SEEDING		X	X	X
PERMANENT SEEDING		X	X	X
MULCHING		X	X	X
EROSION CONTROL BLANKET		X	X	X
TURF REINFOR. MAT		X	X	X
ROCK CHECK DAM		X	X	X
FABRIC INLET	X		X	X
SILT FENCE		X	X	X
CONCRETE WASHOUT	X		X	X
SURFACE ROUGHENING		X	X	X
DANDY SACKS		X	X	X
DUST CONTROL			X	X

EROSION CONTROL MAINTENANCE GUIDELINES

TREE PRESERVATION

1. Inspect at least once every seven calendar days.
2. Repair perimeter barriers if damaged.
3. Inspect for damage from construction equipment, etc. Repair wounds simply by removing damaged bark and wood tissue. Do not use tree paint.
4. Cable and brace any trunk splits, weak forks, and large limbs.
5. Properly prune all damaged limbs. Avoid leaving stubs.
6. Aerate soil where compaction has been excessive.
7. Fertilize to improve tree growth, vigor, and appearance.
8. Water during dry periods to help offset soil compaction and root damage.

TEMPORARY CONSTRUCTION ENTRANCE

1. Inspect daily.
2. Reshape pad as needed for drainage and runoff control.
3. Top-dress with clean aggregate as needed.
4. Immediately remove mud and sediment tracked or washed onto public roads.
5. Flushing should only be used if the water from the construction drive can be conveyed into a sediment trap or basin.

TOPSOIL SALVAGE AND UTILIZATION

1. Inspect daily.
2. Check for damage to perimeter barrier; repair immediately.
3. Check for erosion or damage to newly spread topsoil; repair immediately and revegetate.

TEMPORARY SEEDING

1. Inspect within 24 hours of each rain event and at least once every seven calendar days.
2. Check for erosion or movement of mulch and repair immediately.
3. Monitor for erosion damage and adequate cover (80 percent density); reseed, fertilize, and apply mulch where necessary.
4. If nitrogen deficiency is apparent, top-dress fall seeded wheat or rye seeding with 50 pounds per acre of nitrogen in February or March.

PERMANENT SEEDING

1. Inspect within 24 hours of each rain event and at least once every seven calendar days until the vegetation is successfully established.
2. Characteristics of a successful stand include vigorous dark green or bluish-green seedlings with a uniform vegetative cover density of 90 percent or more.
3. Check for erosion or movement of mulch.
4. Repair damaged, bare, gullied, or sparsely vegetated areas and then fertilize, reseed, and apply mulch.
5. If plant cover is sparse or patchy, evaluate the plant materials chosen, soil fertility, moisture condition, and mulch application; repair affected areas either by overseeding or preparing a new seeded and reseeding. Apply and anchor mulch on the newly seeded areas.
6. If vegetation fails to grow, consider soil testing to determine soil pH or nutrient deficiency problems. (Contact your soil and water conservation district or cooperative extension office for assistance.)
7. If additional fertilization is needed to get a satisfactory stand, do so according to soil test recommendations.

EROSION CONTROL INSPECTION AND MAINTENANCE GUIDELINES (CONT.)

EROSION CONTROL MAINTENANCE GUIDELINES (CONT.)

PERMANENT SEEDING (CONT.)

8. Add fertilizer the following growing season. Fertilize according to soil test recommendations.
9. Fertilize turf areas annually. Apply fertilizer in a split application. For cool-season grasses, apply one-half of the fertilizer in late spring and one-half in early fall. For warm-season grasses, apply one-third in early spring, one-third in late spring, and the remaining one-third in middle summer.

MULCHING

1. Inspect within 24 hours of each rain event and at least once every seven calendar days.
2. Check for erosion or movement of mulch; repair damaged areas, reseed, apply new mulch and anchor the mulch in place.
3. Continue inspections until vegetation is firmly established.
4. If erosion is severe or recurring, use erosion control blankets or other more substantial stabilization methods to protect the area.

EROSION CONTROL BLANKET

1. Inspect within 24 hours of each rain event and at least once every seven calendar days.
2. Check for erosion or displacement of the blanket.
3. If any area shows erosion, pull back that portion of the blanket covering the eroded area, add soil and tamp, reseed the area, replace and staple the blanket.

TURF REINFORCEMENT MAT

1. Inspect within 24 hours of each rain event and at least once every seven calendar days.
2. Check for erosion or displacement/exposure of the mat.
3. If a specific area shows erosion, add soil and restabilize.

ROCK CHECK DAM

1. Inspect within 24 hours of each rain event and at least once every seven calendar days.
2. If significant erosion occurs between dams, install an erosion-resistant liner in that portion of the channel.
3. Remove accumulated sediment when it reaches one-half the height of the dam to maintain channel capacity, allow drainage through the dam, and prevent large flow from displacing sediment.
4. Add riprap and aggregate as needed to maintain design height and cross section of the dams.
5. When dams are no longer needed, remove the riprap and aggregate and stabilize the channel, using an erosion-resistant lining if necessary. (Riprap and aggregate from the dam may be removed or utilized to stabilize the channel.)

GEOTEXTILE FABRIC DROP INLET PROTECTION

1. Inspect daily.
2. Inspect geotextile fabric and make needed repairs immediately.
3. Remove sediment from pool area to provide storage for the next storm event. Avoid damaging or undercutting fabric during sediment removal.
4. When contributing drainage area has been stabilized, remove sediment, properly dispose of all construction material, grade area to the elevation of the storm drain inlet top, then stabilize immediately.

SILT FENCE

1. Inspect within 24 hours of a rain event and at least once every seven calendar days.
2. If fence fabric tears, starts to decompose, or in any way becomes ineffective, replace the affected portion immediately. Note: All repairs should meet specifications as outlined within this measure.
3. Remove deposited sediment when it is causing the filter fabric to bulge or when it reaches one-half the height of the fence at its lowest point. When contributing drainage area has been stabilized, remove the fence and sediment deposits, grade the site to blend with the surrounding area, and stabilize.

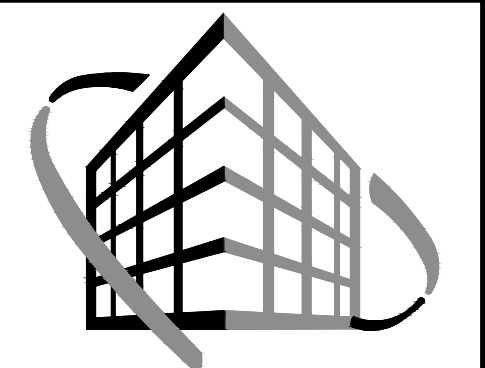
PREFABRICATED CONCRETE WASHOUT SYSTEM/CONTAINER

1. Inspect daily and after each storm event.
2. Inspect the integrity of the overall structure including, where applicable, the containment system.
3. Inspect the system for leaks, spills, and tracking of soil by equipment.
4. Inspect the polyethylene lining for failure, including tears and punctures.
5. Once concrete wastes harden, remove and dispose of the material.
6. Excess concrete should be removed when the washout system reaches 50 percent of the design capacity. Use of the system should be discontinued until appropriate measures can be initiated to clean the structure. Prefabricated systems should also utilize this criterion, unless the manufacturer has alternate specifications.
7. Upon removal of the solids, inspect the structure. Repair the structure as needed or construct a new system.
8. Dispose of all concrete in a legal manner. Reuse the material on site, recycle, or haul the material to an approved construction/demolition landfill site. Recycling of material is encouraged. The waste material can be used for multiple applications including but not limited to roadbeds and building. The availability for recycling should be checked locally.
9. The plastic liner should be replaced after every cleaning; the removal of material will usually damage the lining.
10. Concrete washout systems are designed to promote evaporation. Prefabricated units are often pumped and the company supplying the unit provides this service.
11. Inspect construction activities on a regular basis to ensure suppliers, contractors, and others are utilizing designated washout areas. If concrete waste is being disposed of improperly, identify the violators and take appropriate action.

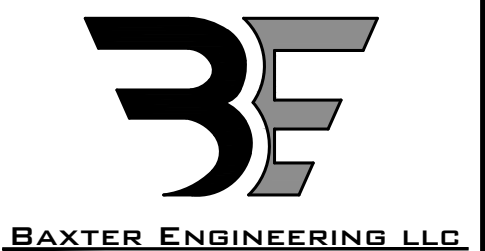
DUST CONTROL

- Minimizing wind erosion and controlling dust will be accomplished by one or more of the following methods:
1. Covering 30% or more of the soil with a non-erodible material
 2. Roughening the soil to produce ridges (at least 6 inches) perpendicular to the prevailing wind.
 3. Frequent watering of excavation and fill areas
 4. Providing gravel or paving at entrance/exit drives, parking areas, and transit paths

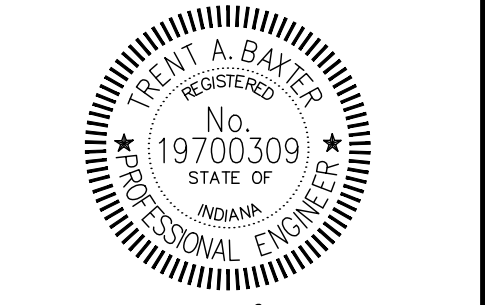
REVISION



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Trent A. Baxter
CERTIFIED BY:

Dunkin'
1603 In. 3 North Main Street
Rushville, IN 46173
Site Erosion Control Details

Job No. 25028 Date Stamped 04/29/2026

Drawn By caw Checked By Scale: tab

CAD FILE: C:\25028\c530 site erosion control details.dwg

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SHEET TITLE:
C530



SC-310 STORMTECH CHAMBER SPECIFICATIONS

- CHAMBERS SHALL BE STORMTECH SC-310.
- CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE OR POLYETHYLENE COPOLYMERS.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLYETHYLENE) OR ASTM F2418 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
- CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 325 LBS/FT². THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
 - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
 - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
 - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2922 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
- CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.
- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECHNICAL NOTE 8.32 FOR MANIFOLD SIZING GUIDANCE. DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINER SYSTEMS. TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-310 SYSTEM

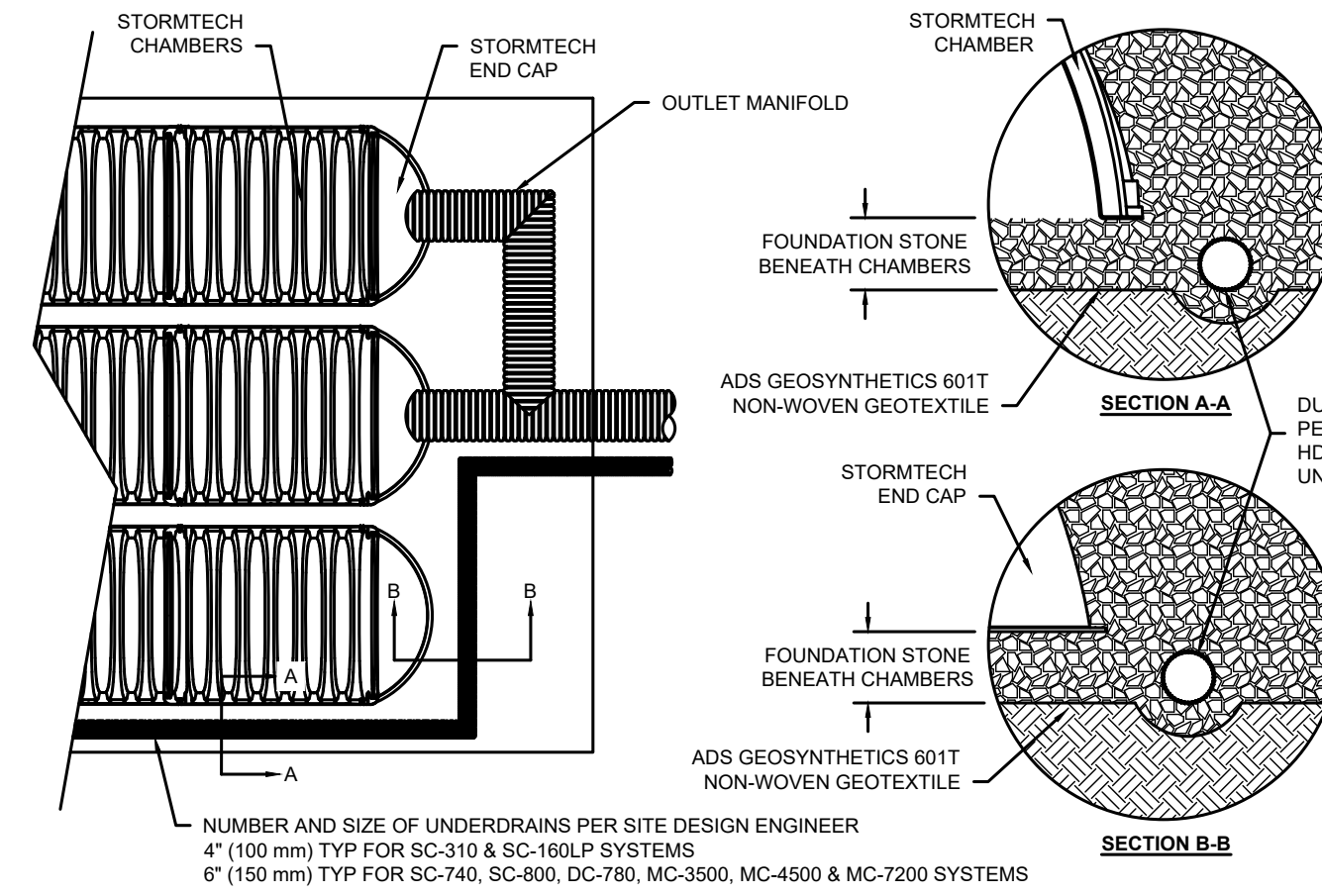
- STORMTECH SC-310 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
- STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH INSTALLATION GUIDE SC-310DC-780SC-800".
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
 - STONESHOOTER LOCATED OFF THE CHAMBER BED.
 - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
 - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOPE OR EXCAVATOR.
- THE FOUNDATION STONE SHALL BE LEVELLED AND COMPACTED PRIOR TO PLACING CHAMBERS.
- JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
- MAINTAIN MINIMUM - 3" (75 mm) SPACING BETWEEN THE CHAMBER ROWS.
- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE; AASHTO M43 #3, 357, 4, 467, 5, 56, OR 57.
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
- ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

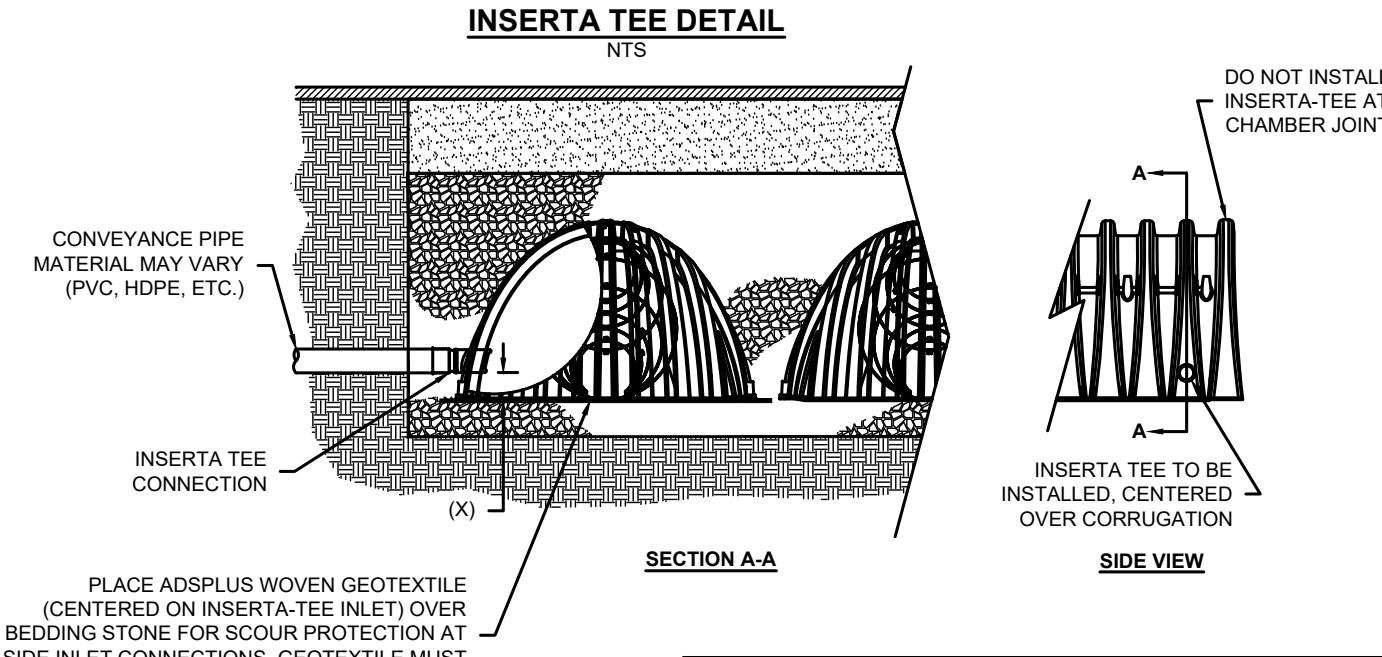
- STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH INSTALLATION GUIDE SC-310DC-780SC-800".
- THE USE OF CONSTRUCTION EQUIPMENT OVER SC-310 CHAMBERS IS LIMITED:
 - NO RUBBER TIED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH INSTALLATION GUIDE SC-310DC-780SC-800".
 - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH INSTALLATION GUIDE SC-310DC-780SC-800".
- FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-800-821-6710 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.



5 UNDERDRAIN DETAIL



CHAMBER	MAX DIAMETER OF INSERTA TEE	HEIGHT FROM BASE OF CHAMBER (X)
SC-310	6" (150 mm)	4" (100 mm)
SC-800	10" (250 mm)	4" (100 mm)
DC-780	10" (250 mm)	4" (100 mm)
MC-3500	12" (300 mm)	6" (150 mm)
MC-4500	12" (300 mm)	8" (200 mm)
MC-7200	12" (300 mm)	8" (200 mm)

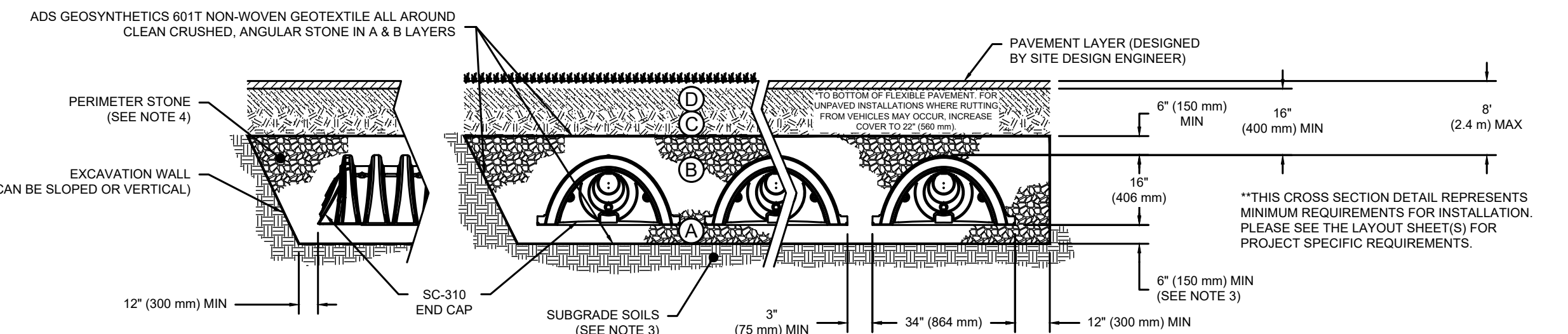
- NOTES:
- PART NUMBERS WILL VARY BASED ON INLET PIPE MATERIALS. CONTACT STORMTECH FOR MORE INFORMATION.
 - CONTACT ADS ENGINEERING SERVICES IF INSERTA TEE INLET MUST BE RAISED AS NOT ALL INVERTS ARE POSSIBLE.

6 INSERTA-TEE SIDE INLET DETAIL

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	3.25	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 16" (400 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	AASHTO M45 ¹ A-1, A-2.4, A-3 OR AASHTO M43 ² 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 96% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 ² 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 ² 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

- PLEASE NOTE:
- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR, FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
 - STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
 - WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
 - ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
 - WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".

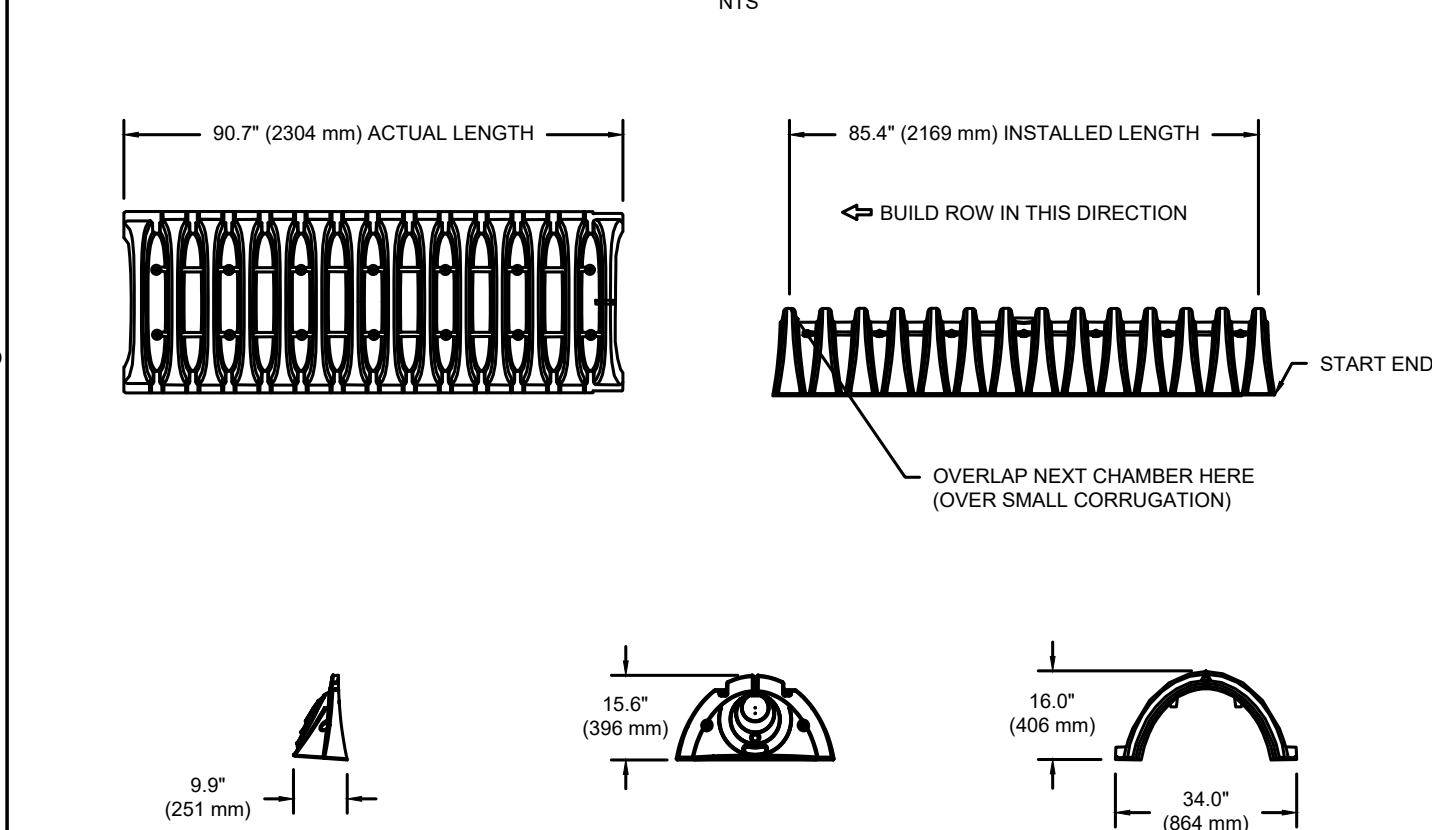


NOTES:

- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLYETHYLENE) OR ASTM F2418 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2" (50 mm).
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 325 LBS/FT². AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

1 SC-310 CROSS SECTION DETAIL

SC-310 TECHNICAL SPECIFICATION



NOMINAL CHAMBER SPECIFICATIONS	34.0" X 16.0" X 85.4"	(864 mm X 406 mm X 2169 mm)
SIZE (W X H X INSTALLED LENGTH)	14.2 CUBIC FEET	(0.42 m ³)
CHAMBER STORAGE	29.34 CUBIC FEET	(0.83 m ³)
MINIMUM INSTALLED STORAGE*	35.0 lbs.	(16.8 kg)
WEIGHT		

*ASSUMES 6" (150 mm) ABOVE AND BELOW CHAMBER; 3" (75 mm) BETWEEN CHAMBERS

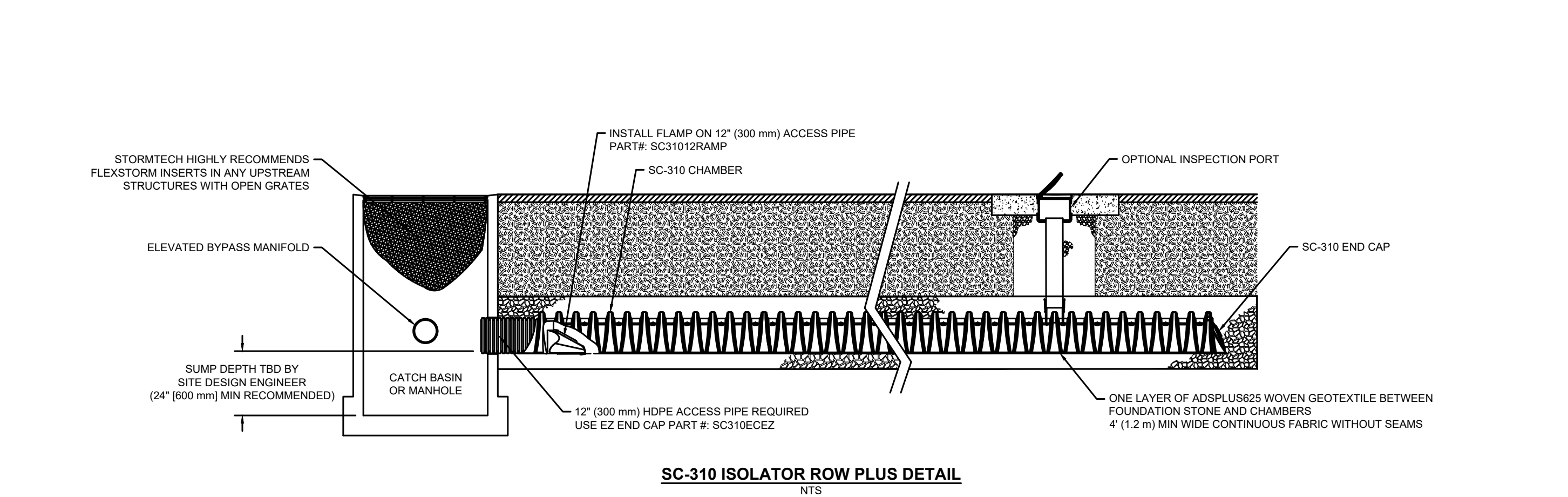
PART #	STUB	B	C
SC310EPE06TPC	6" (150 mm)	5.6" (147 mm)	---
SC310EPE06BPC	---	---	0.5" (13 mm)
SC310EPE08TPC	8" (200 mm)	3.5" (89 mm)	---
SC310EPE08BPC	---	---	0.6" (16 mm)
SC310EPE10TPC	10" (250 mm)	1.4" (36 mm)	---
SC310EPE10BPC	---	---	0.7" (18 mm)
SC310ECEZ*	12" (300 mm)	---	0.9" (23 mm)

ALL STUBS, EXCEPT FOR THE SC310ECEZ ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

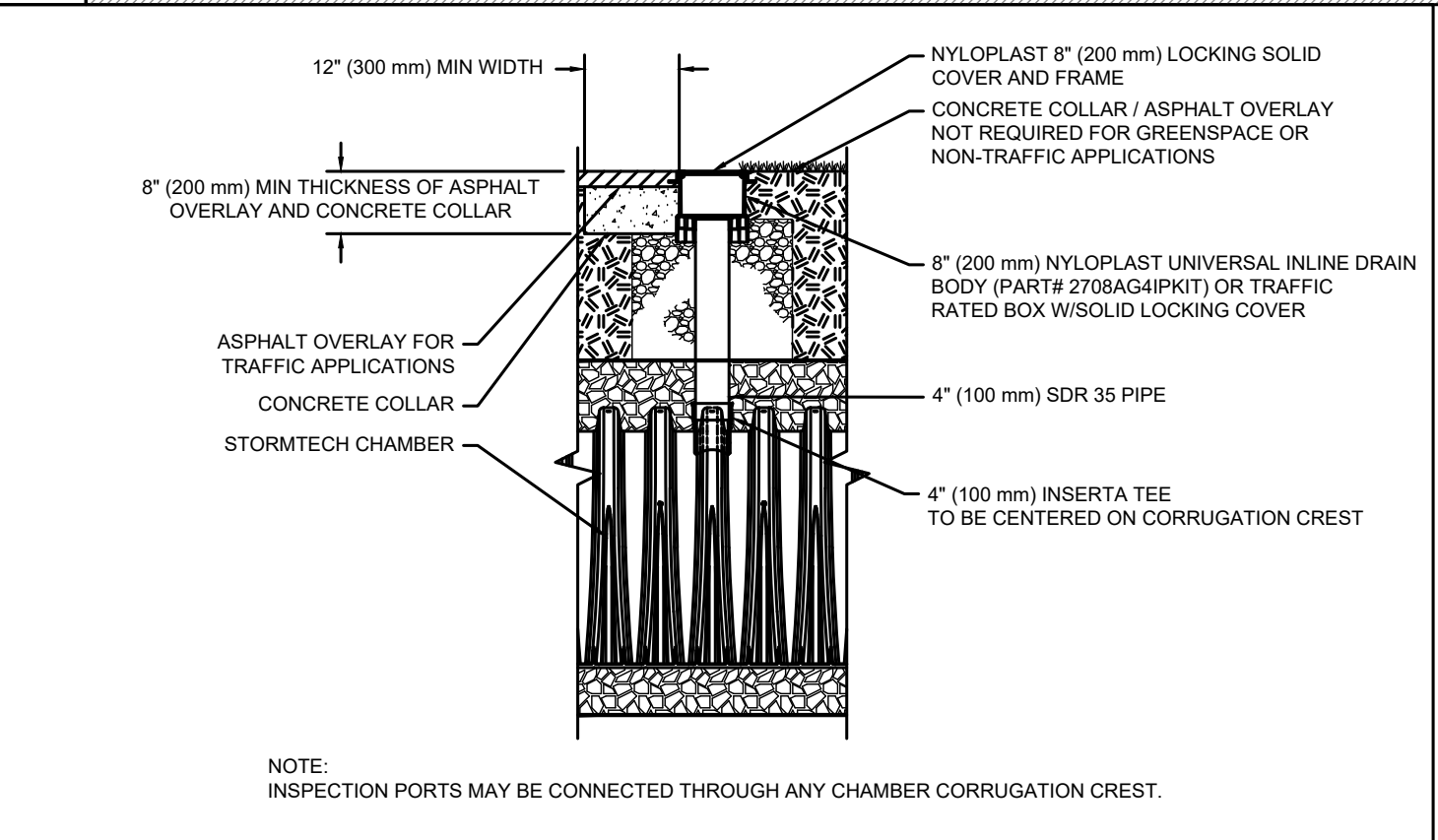
* FOR THE SC310ECEZ THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 0.25" (6 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL. PRE-CORED END CAPS END WITH "PC"

2 SC-310 TECHNICAL SPECIFICATIONS



3 SC-310 ISOLATOR ROW PLUS DETAIL



INSPECTION & MAINTENANCE

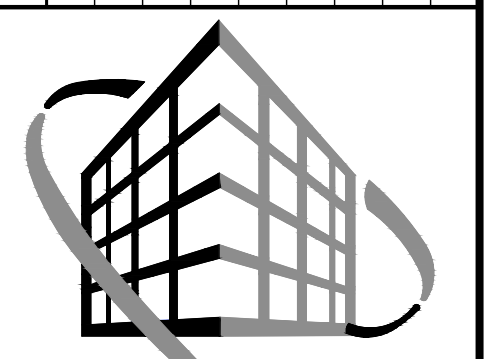
- STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
- REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
 - REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
 - USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 - LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT (OPTIONAL)
 - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
- REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
 - USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
 - MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
 - FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
 - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
 - APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
 - VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS. RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
- CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

4 4 inch PVC INSPECTION PORT DETAIL (SC SERIES CHAMBER)

REVISION



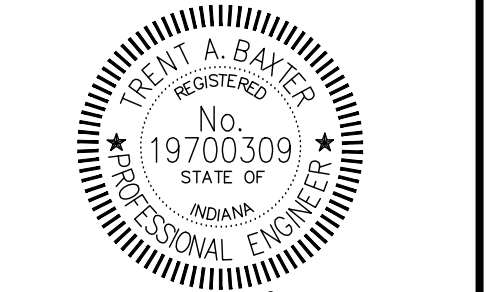
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Brent R. Baxter

Dunkin'
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General Sitework Details

Job No. 25028 Date Stamped 04/29/2026

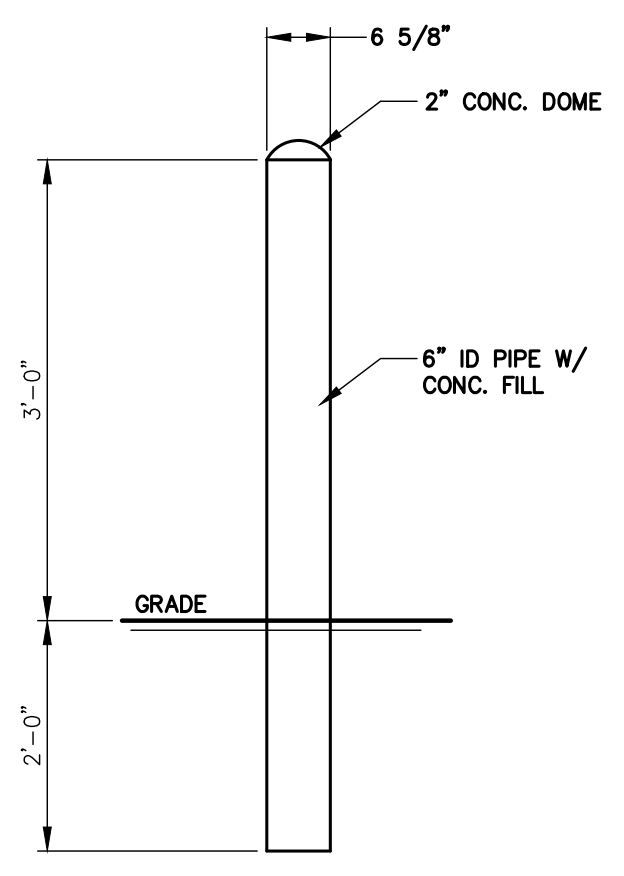
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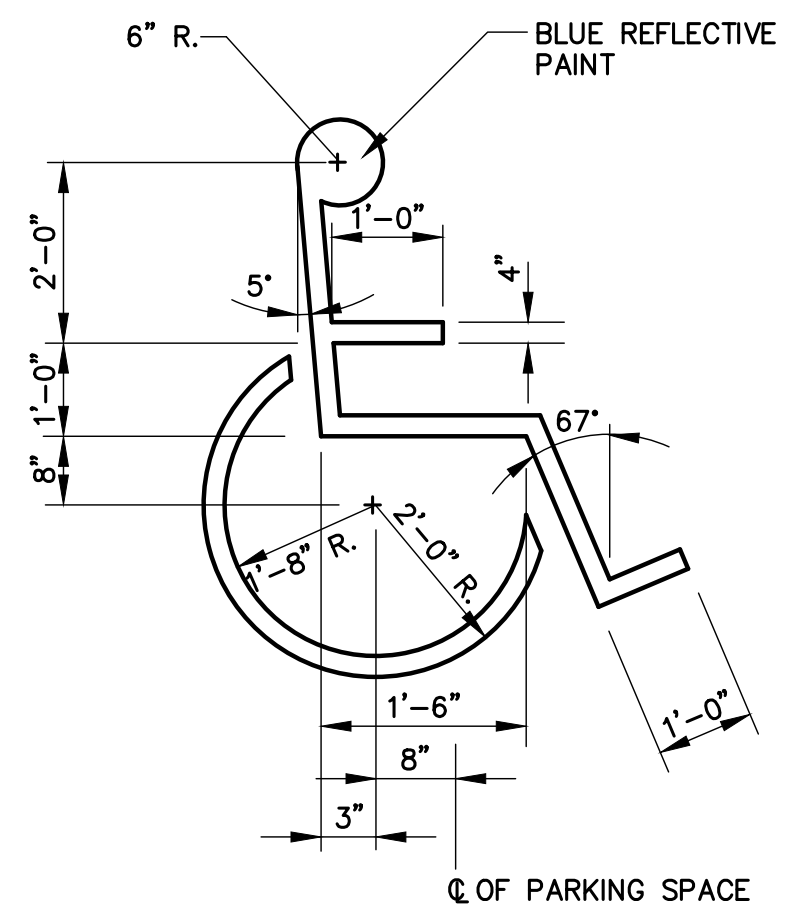
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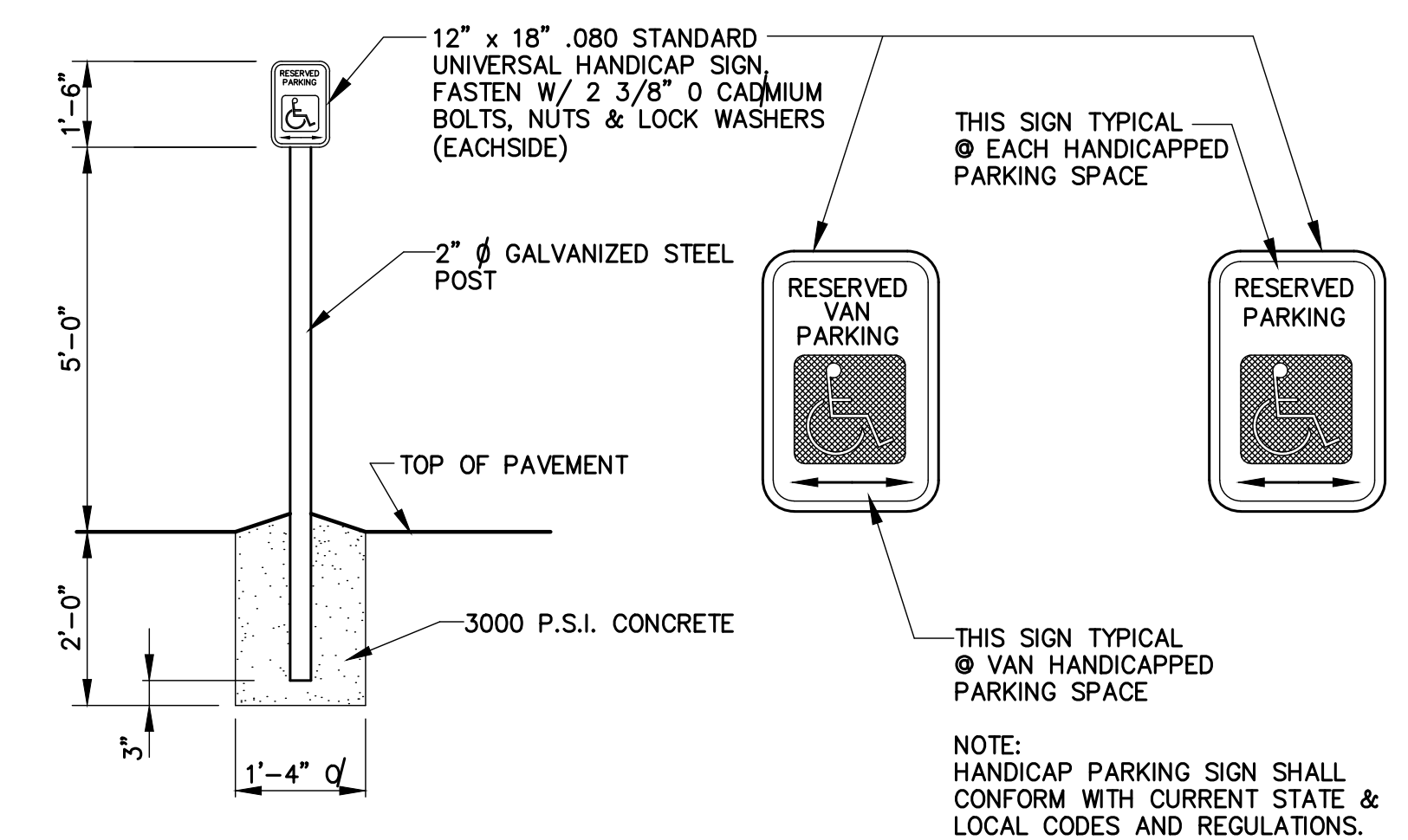
C600



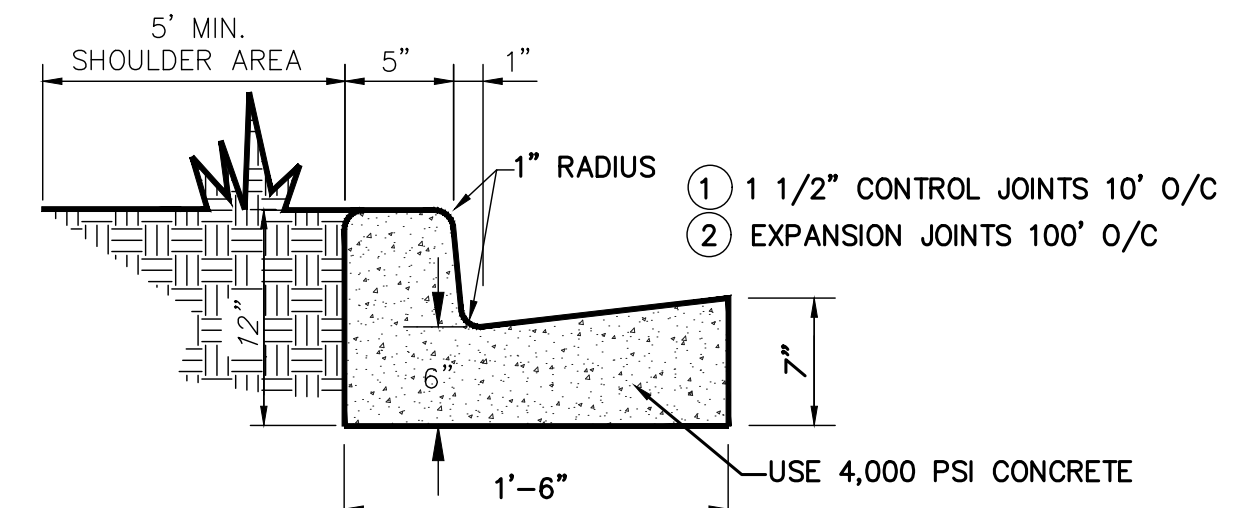
TYPE 6" dia. PIPE BOLLARD DETAIL
SCALE: NO SCALE



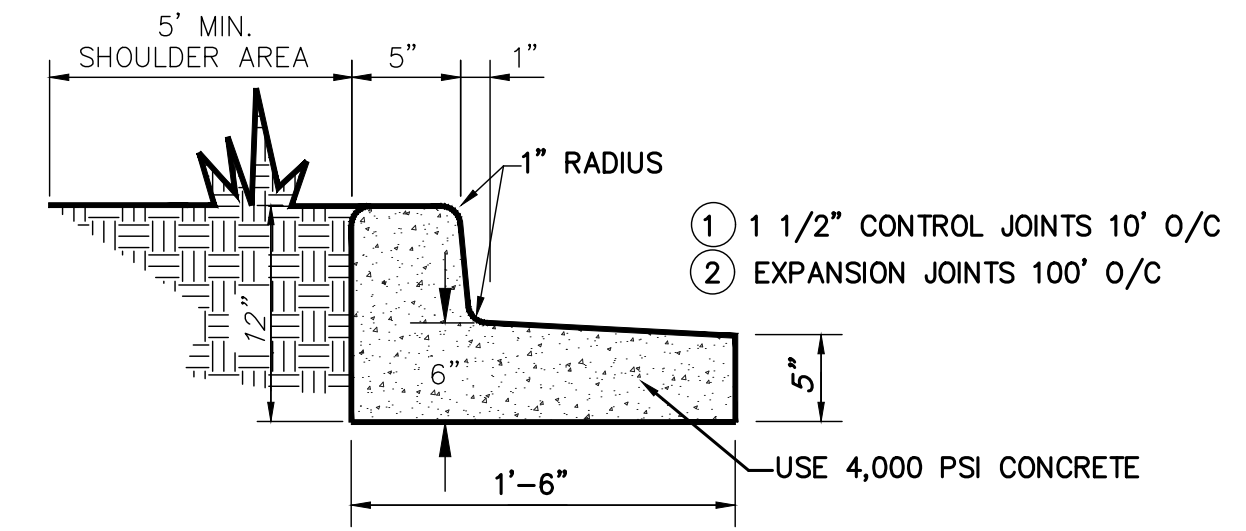
INTERNATIONAL HANDICAP DETAIL
NO SCALE



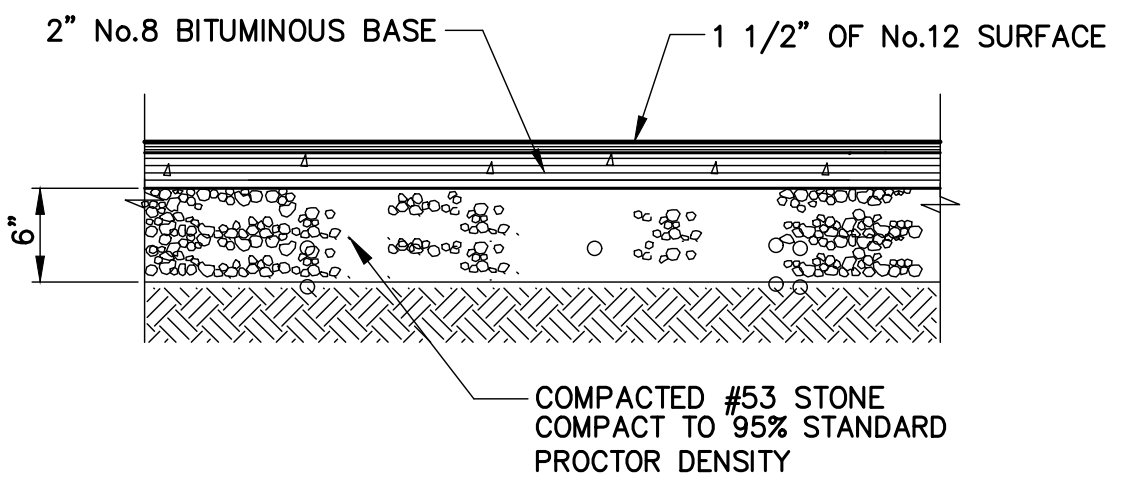
HANDICAP PARKING SIGNS
NO SCALE



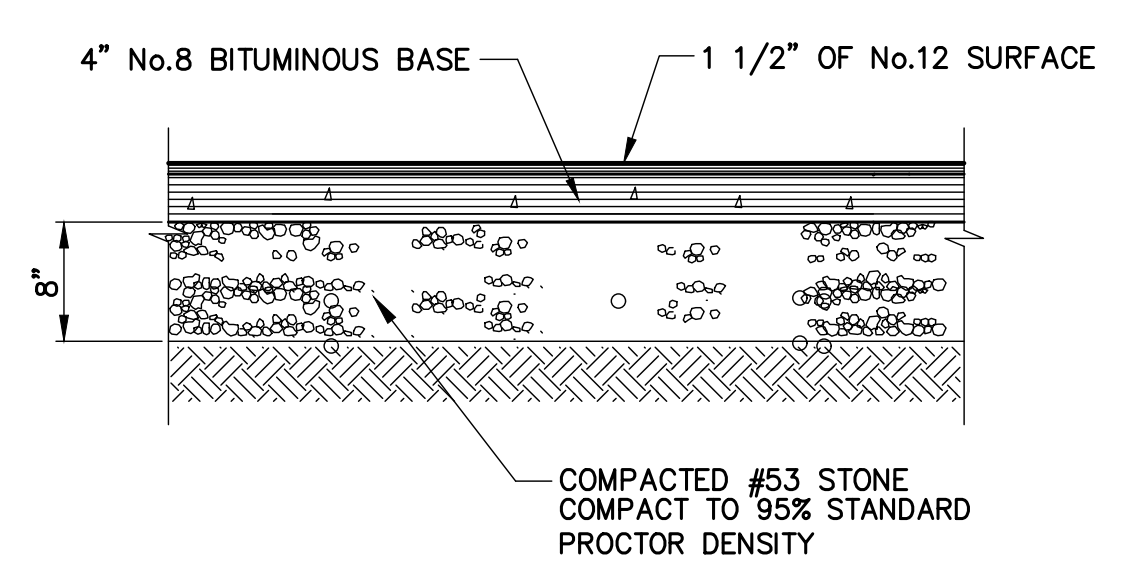
CURB "A" 18" CONCRETE CURB & GUTTER DETAIL
NO SCALE



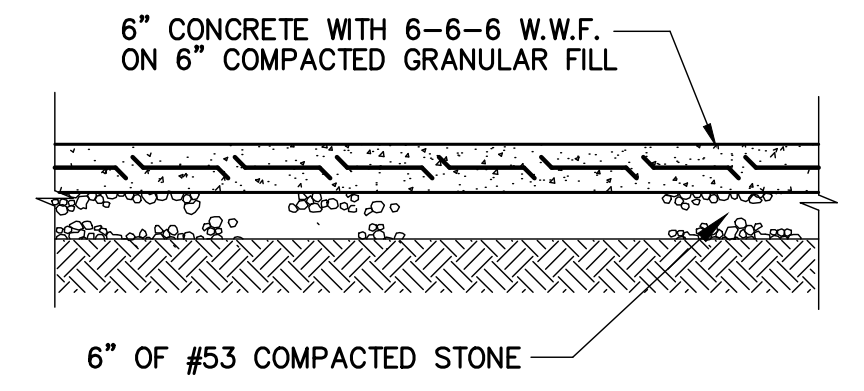
CURB "B" 18" INVERTED CONCRETE CURB & GUTTER DETAIL
NO SCALE



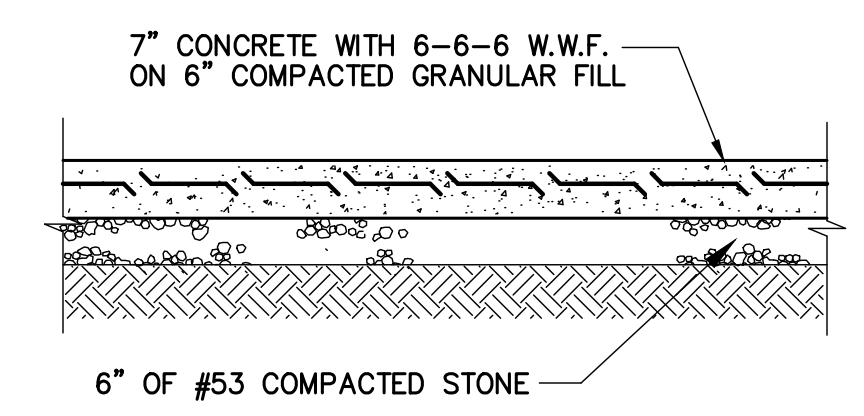
TYPICAL NORMAL DUTY ASPHALT PAVEMENT DETAIL
NO SCALE



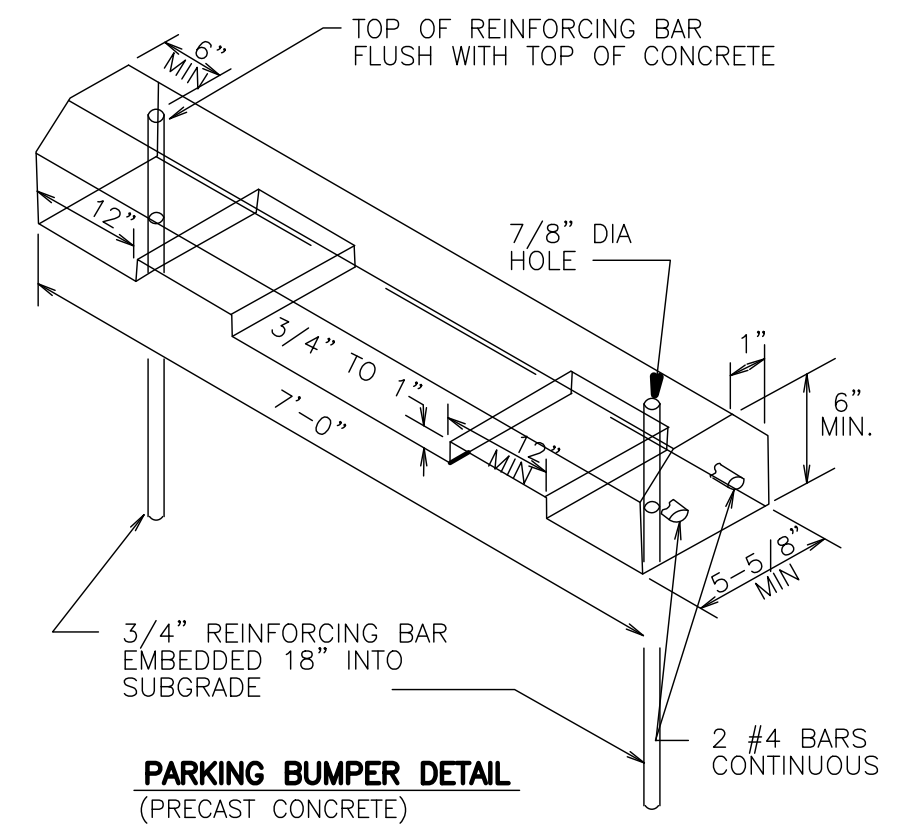
TYPICAL HEAVY DUTY ASPHALT PAVEMENT DETAIL
NO SCALE



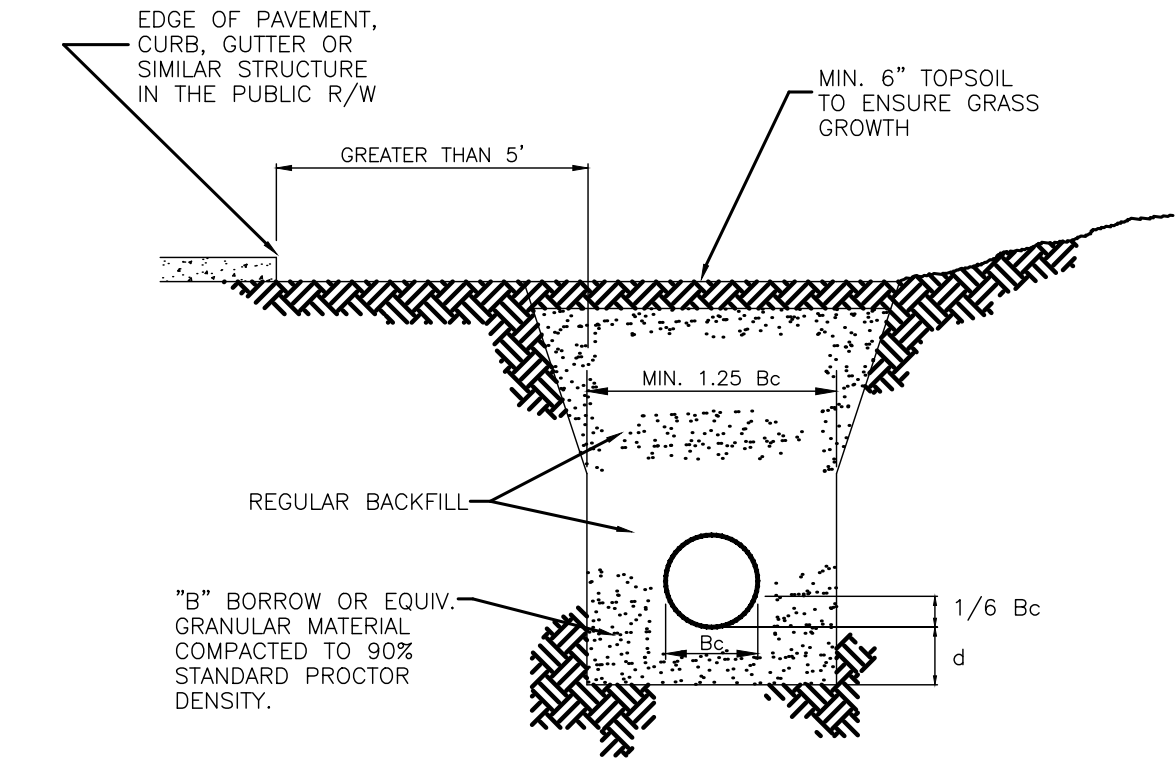
TYPICAL CONCRETE PAVEMENT
NO SCALE



TYPICAL DUMPSTER ENCLOSURE PAVEMENT
NO SCALE

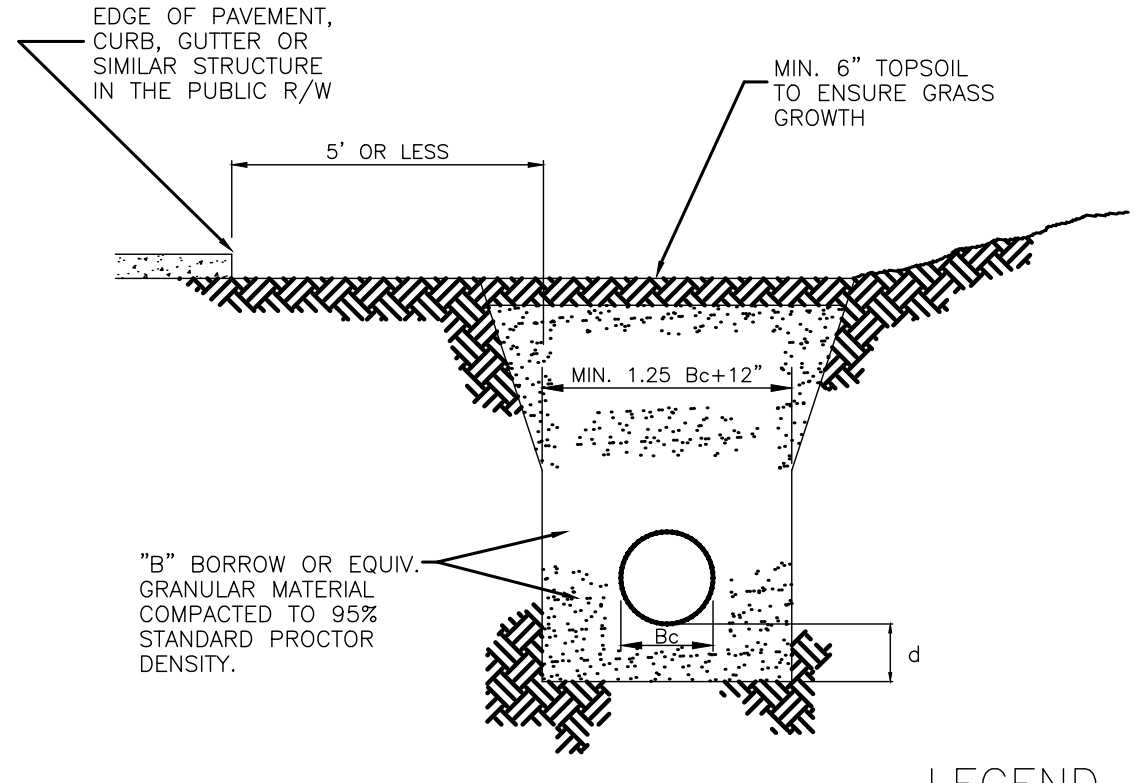


PARKING BUMPER DETAIL
(PRECAST CONCRETE)
N.T.S.



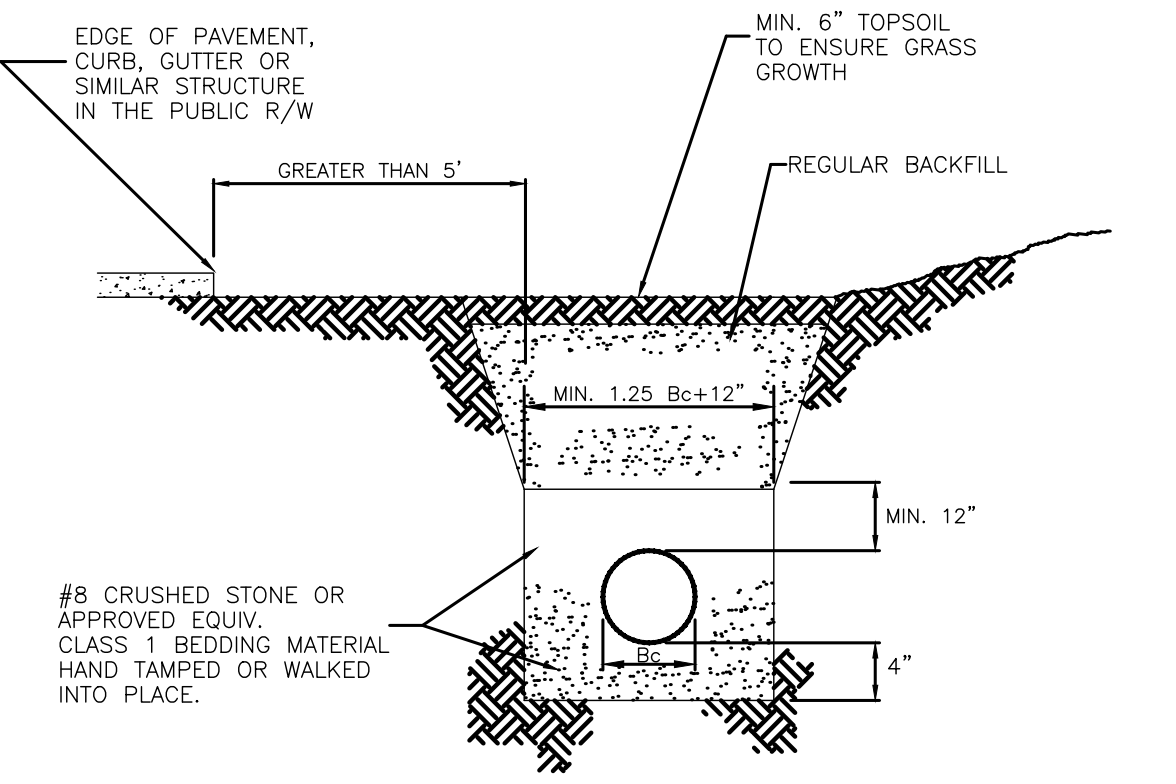
DEPTH OF BEDDING MATERIAL BELOW PIPE		NOTE: ALL BEDDING AND INITIAL BACKFILL SHALL BE INSTALLED IN 6" TO 12" BALANCED LIFTS.	
D	(d) MIN.	A MINIMUM 9" CLEARANCE SHALL BE PROVIDED ON EACH SIDE OF THE INSTALLED PIPE.	
27" & SMALLER	3"		
30" TO 60"	4"		
66" & LARGER	6"		

REINFORCED CONCRETE PIPE (RCP) TRENCH DETAIL
GREATER THAN 5' FROM EDGE OF PAVEMENT



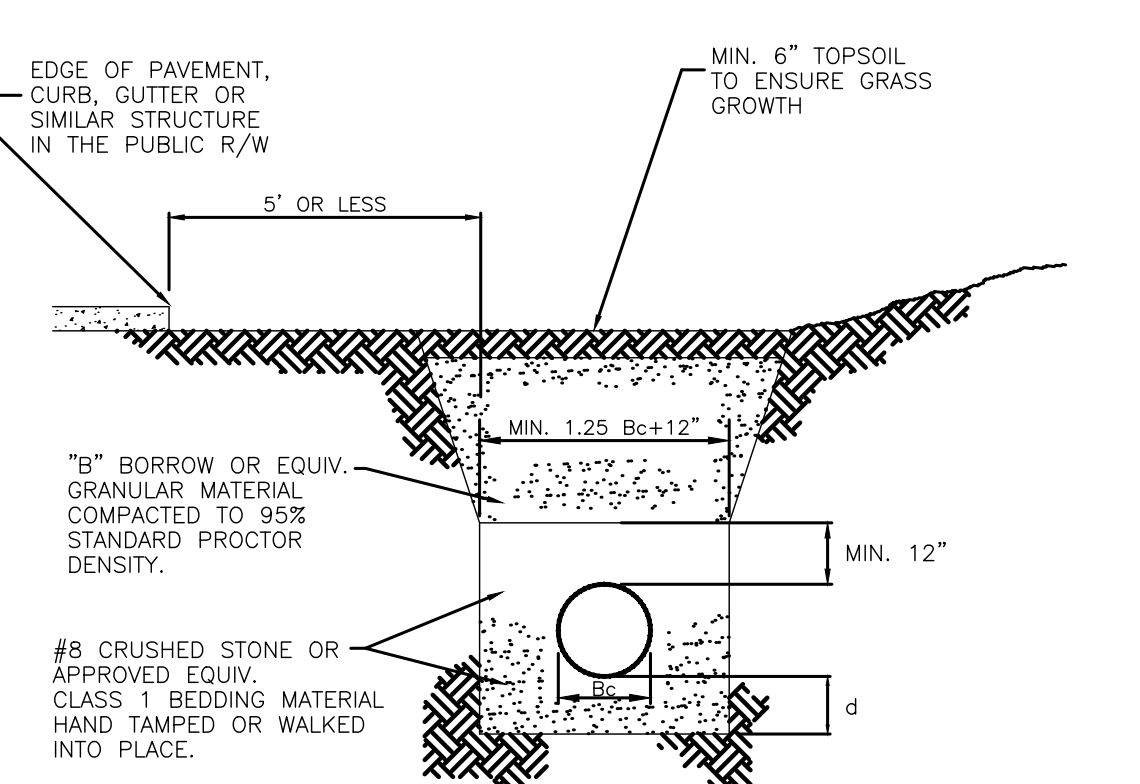
DEPTH OF BEDDING MATERIAL BELOW PIPE		NOTE: ALL BEDDING AND INITIAL BACKFILL SHALL BE INSTALLED IN 6" TO 12" BALANCED LIFTS.	
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30" TO 60"	4"		
66" & LARGER	6"		

REINFORCED CONCRETE PIPE (RCP) TRENCH DETAIL
WITHIN 5' OF EDGE OF PAVEMENT



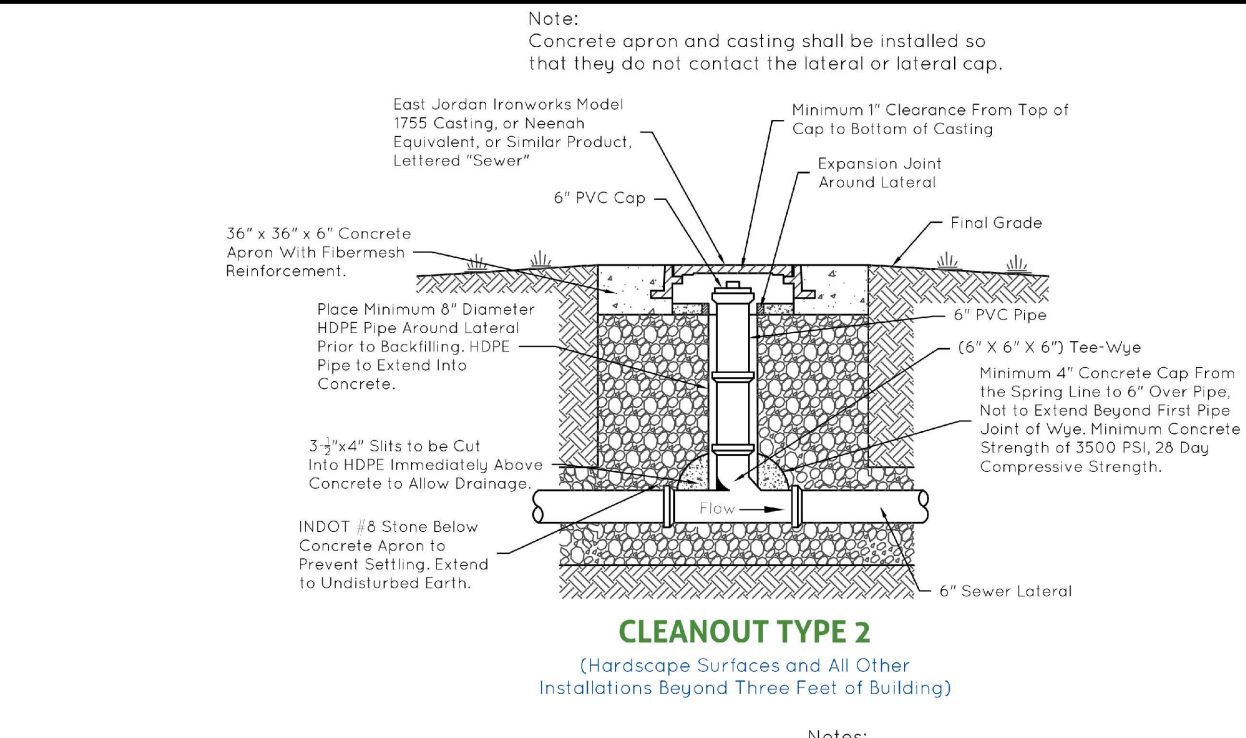
DEPTH OF BEDDING MATERIAL BELOW PIPE		NOTE: ALL BEDDING AND INITIAL BACKFILL SHALL BE INSTALLED IN 6" TO 12" BALANCED LIFTS.	
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66" & LARGER	6"		

PLASTIC PIPE (PVC & HDPE) TRENCH DETAIL
GREATER THAN 5' FROM EDGE OF PAVEMENT

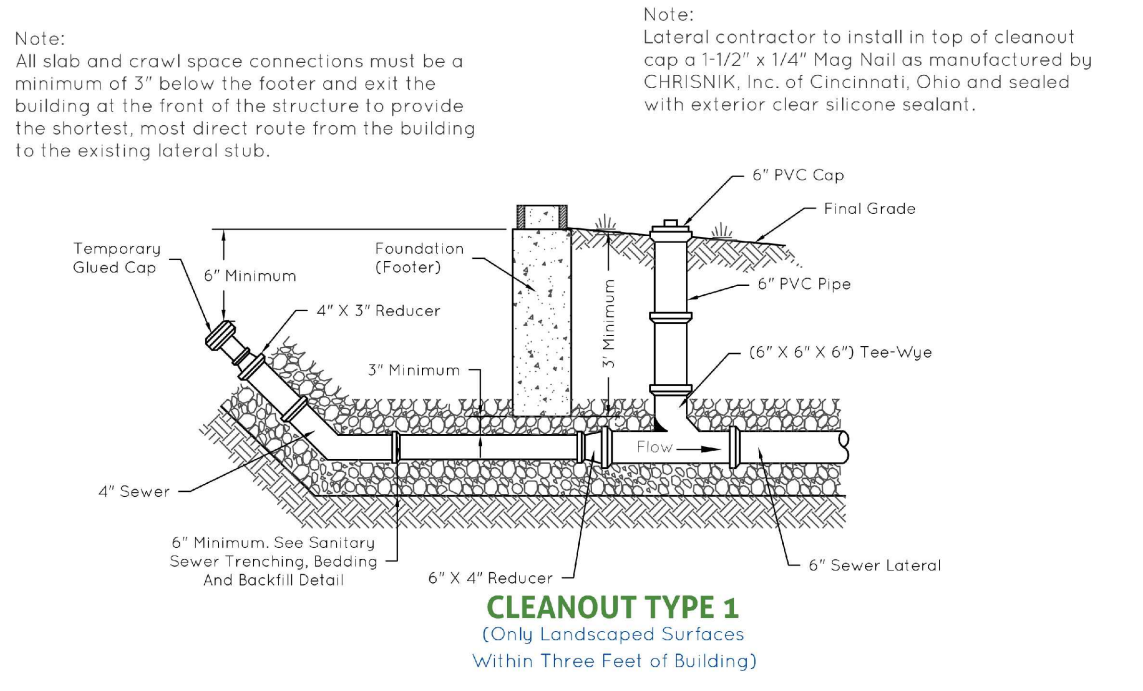


DEPTH OF BEDDING MATERIAL BELOW PIPE		NOTE: ALL BEDDING AND INITIAL BACKFILL SHALL BE INSTALLED IN 6" TO 12" BALANCED LIFTS.	
D	(d) MIN.	A MINIMUM 9" CLEARANCE SHALL BE PROVIDED ON EACH SIDE OF THE INSTALLED PIPE.	
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66" & LARGER	6"		

PLASTIC PIPE (PVC & HDPE) TRENCH DETAIL
WITHIN 5' OF EDGE OF PAVEMENT



CLEANOUT TYPE 2
(Landscape Surfaces and All Other Installations Beyond Three Feet of Building)

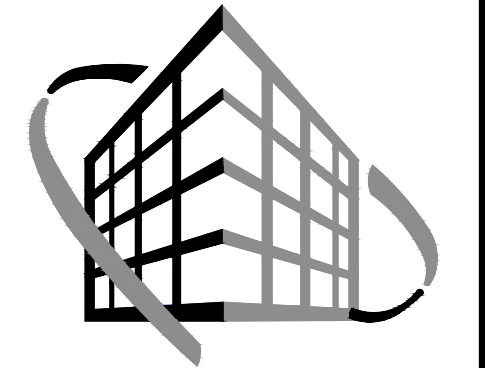


CLEANOUT TYPE 1
(Only Enclosed Surfaces Within Three Feet of Building)

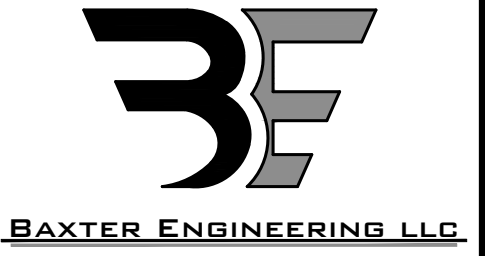
TYPICAL CLEANOUTS
Not to Scale

TYPICAL CLEANOUTS
Not to Scale

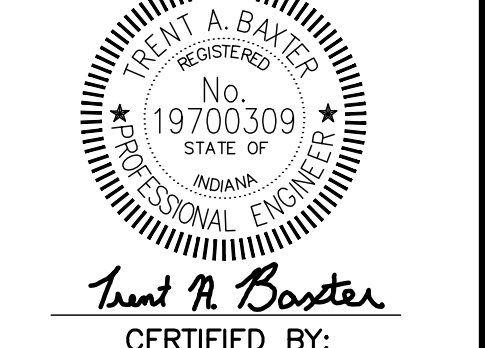
REVISION



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Trent A. Baxter
CERTIFIED BY:

Dunkin'
1603 In. 3 North Main Street
Rushville, IN 46173

General Sitework Details

Job No. 25028 Date Stamped 04/26/2026

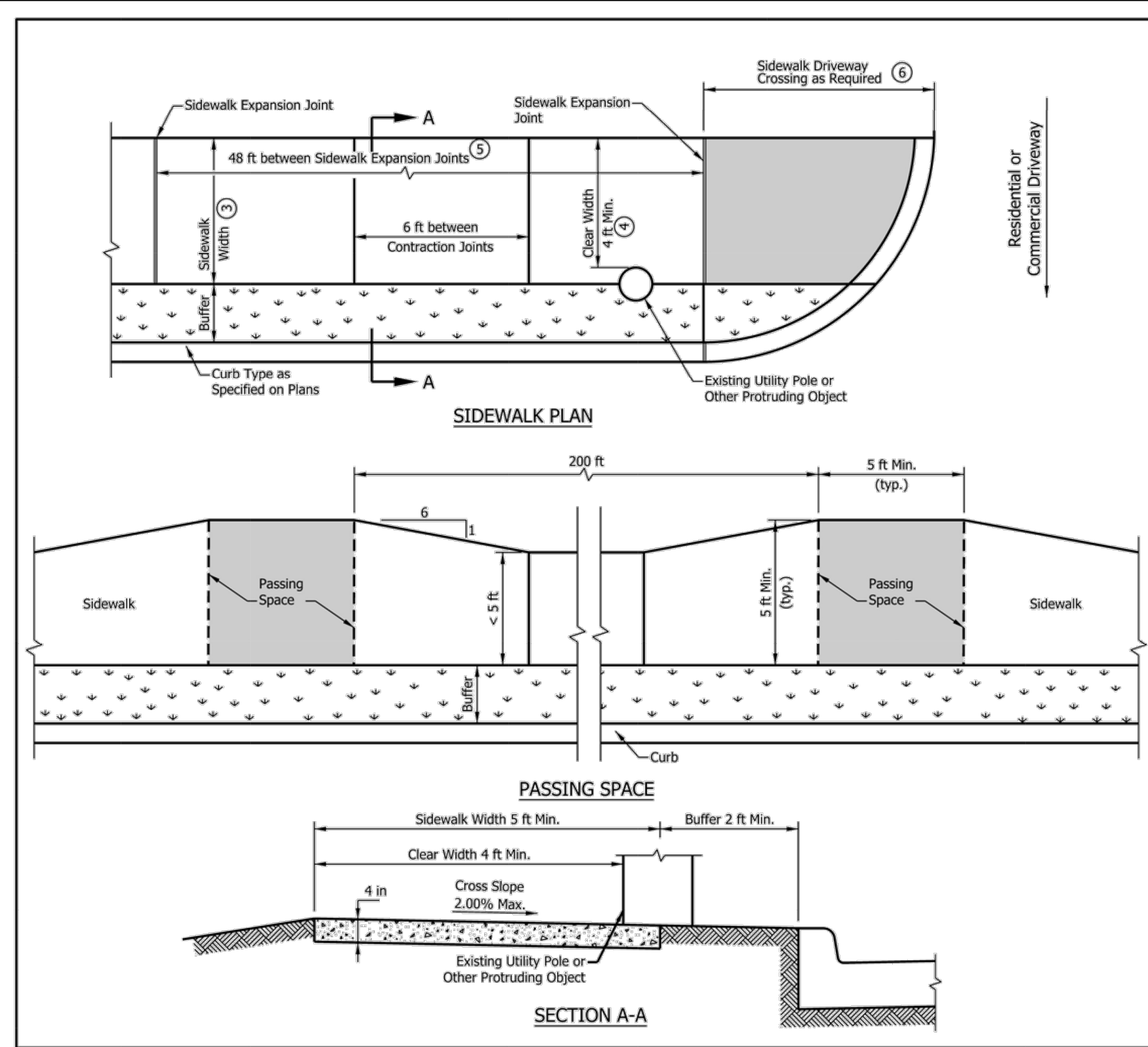
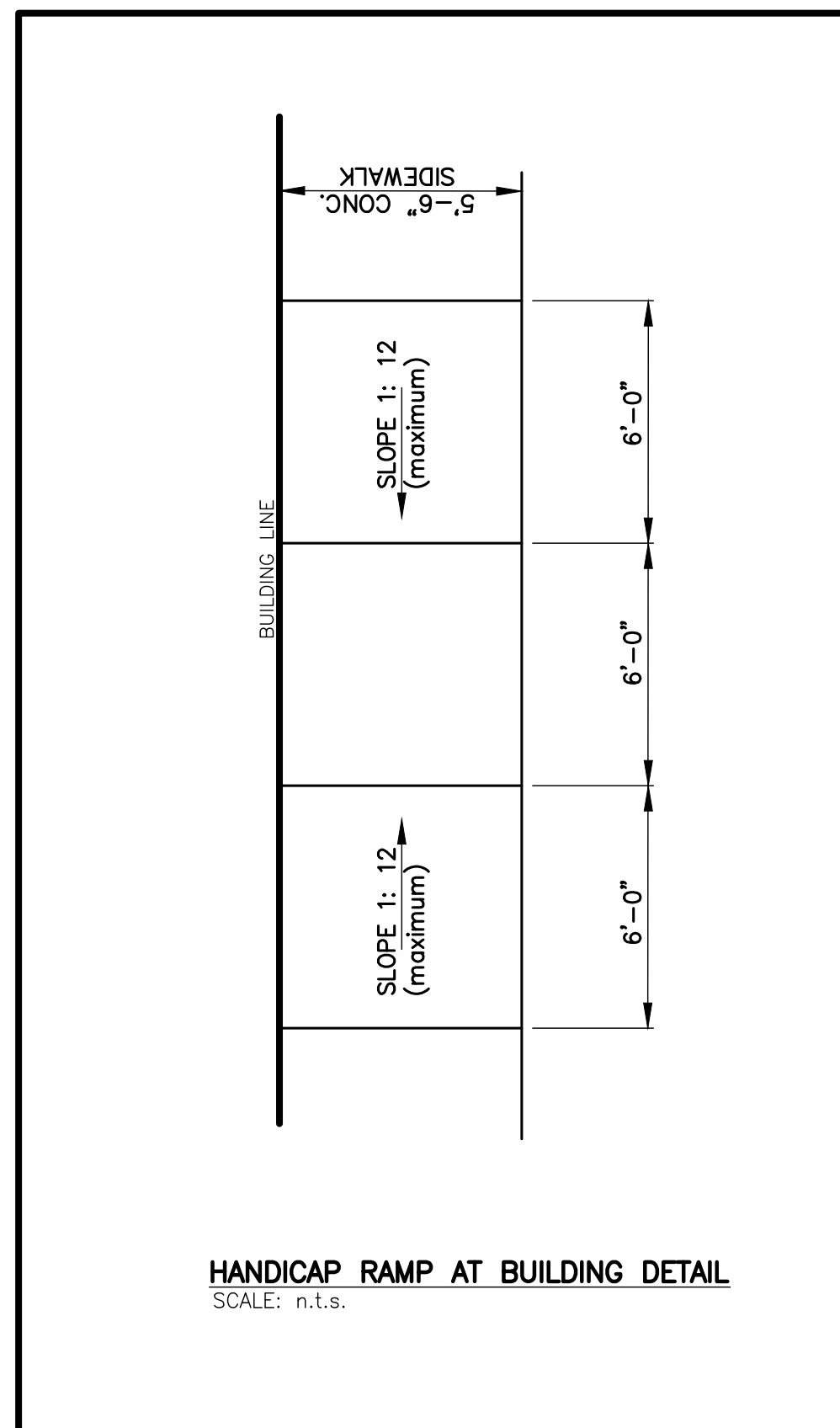
Drawn By Checked By Scale: caw tab as noted

CAD FILE: G:\25028\c610 general sitework details.dwg

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SHEET TITLE:

C610

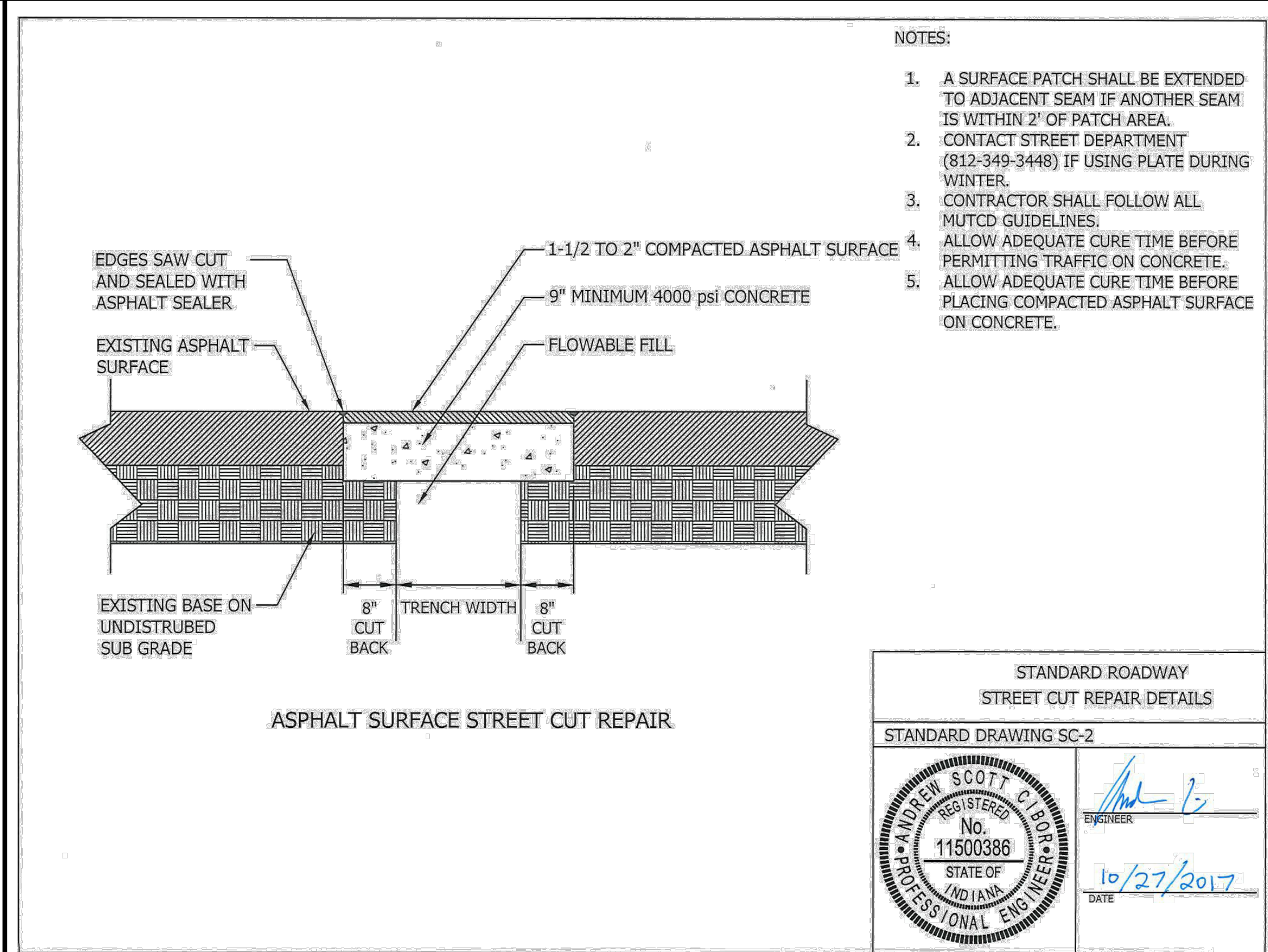


- NOTES:**
- All slopes are absolute rather than relative to the sidewalk or roadway grade. Slopes at least 0.50% less than the maximum are preferred.
 - The grade of the sidewalk is measured in the direction of pedestrian travel. The grade of the sidewalk shall not exceed the grade of the adjacent roadway. The cross slope is measured perpendicular to the direction of pedestrian travel. The cross slope of the sidewalk shall not exceed 2.00%.
 - Where there is a buffer between the sidewalk and curb, the preferred minimum sidewalk clear width is 5 ft.
 - A 4-ft minimum clear width shall be provided adjacent to street furniture, mailbox, utility pole, or other protruding object. Where the sidewalk clear width is less than 5 ft, a passing space shall be provided at 200 ft intervals. The passing space minimum clear dimension shall be 5 ft x 5 ft.
 - See Standard Drawing E 604-CCSJ-01 for sidewalk expansion joint details.
 - See Standard Drawing E 604-SDWK-03 for sidewalk driveway crossing configurations.

INDIANA DEPARTMENT OF TRANSPORTATION
SIDEWALK DETAILS
 SIDEWALK WITH BUFFER
 SEPTEMBER 2016
 STANDARD DRAWING NO. E 604-SDWK-01

/s/ Elizabeth W. Phillips 03/16/16
 DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 03/18/16
 CHIEF ENGINEER DATE



STANDARD ROADWAY
STREET CUT REPAIR DETAILS
 STANDARD DRAWING SC-2

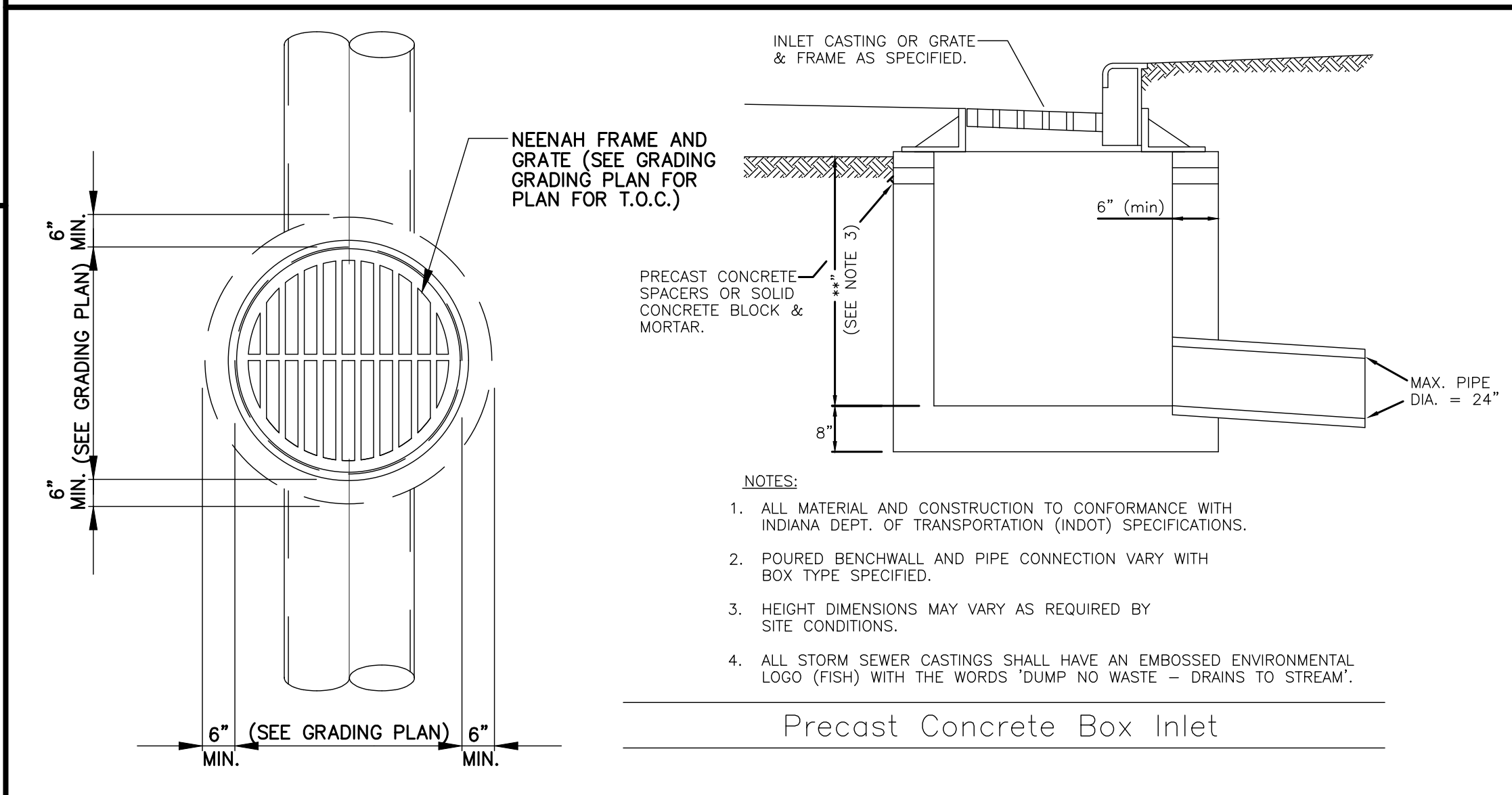
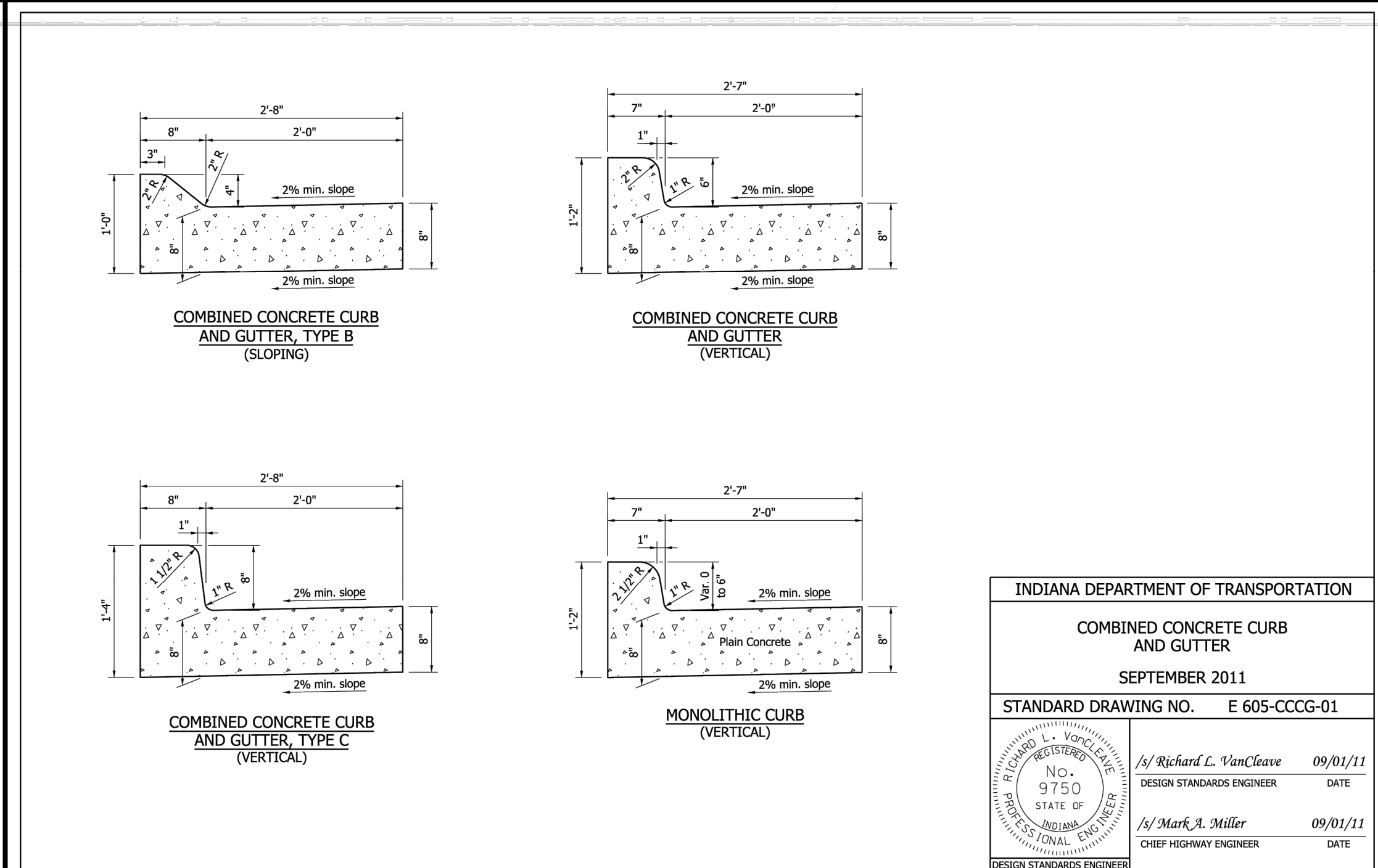
/s/ Andrew Scott
 REGISTERED PROFESSIONAL ENGINEER
 No. 11500386
 STATE OF INDIANA
 DATE 10/27/2017

BOARDWALK BRIDGE

BOARDWALK BRIDGE COMPONENTS:
 All components, except Numbers 5 and 6, are used on both sides of BoardWalk Bridge.

- Approach Plate
- Handrail Upright
- BoardWalk RAMP Sections
- Jack Screw Upright
- BoardWalk Platform
- Platform Detectable Edge
- Midway Support
- Modular Edge Support Castings

RightPath ADA-Compliant Devices Product Guide 13



REVISION

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/s/ Trent A. Baxter
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 No. 19700309
 STATE OF INDIANA
 CERTIFIED BY:

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 1603 In. 3 North Main Street
 Rushville, IN 46173
 General Sitework Details

Job No. 25028 Date Stamped 04/29/2026
 Drawn By caw Checked By Scale: tab as noted

CAD FILE:
 C:\25028\c620 general sitework details.dwg

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SHEET TITLE:
C620

