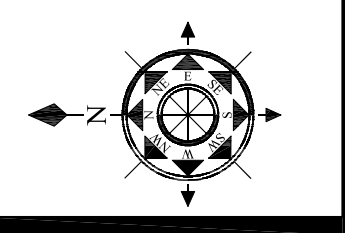


Beals-Moore & Associates, Inc.
 122 South 8th Street
 Richmond, Indiana 47374
 Phone (765) 962-1023
 Fax (765) 962-5274
 E-Mail: surveyors@bealsmoore.com



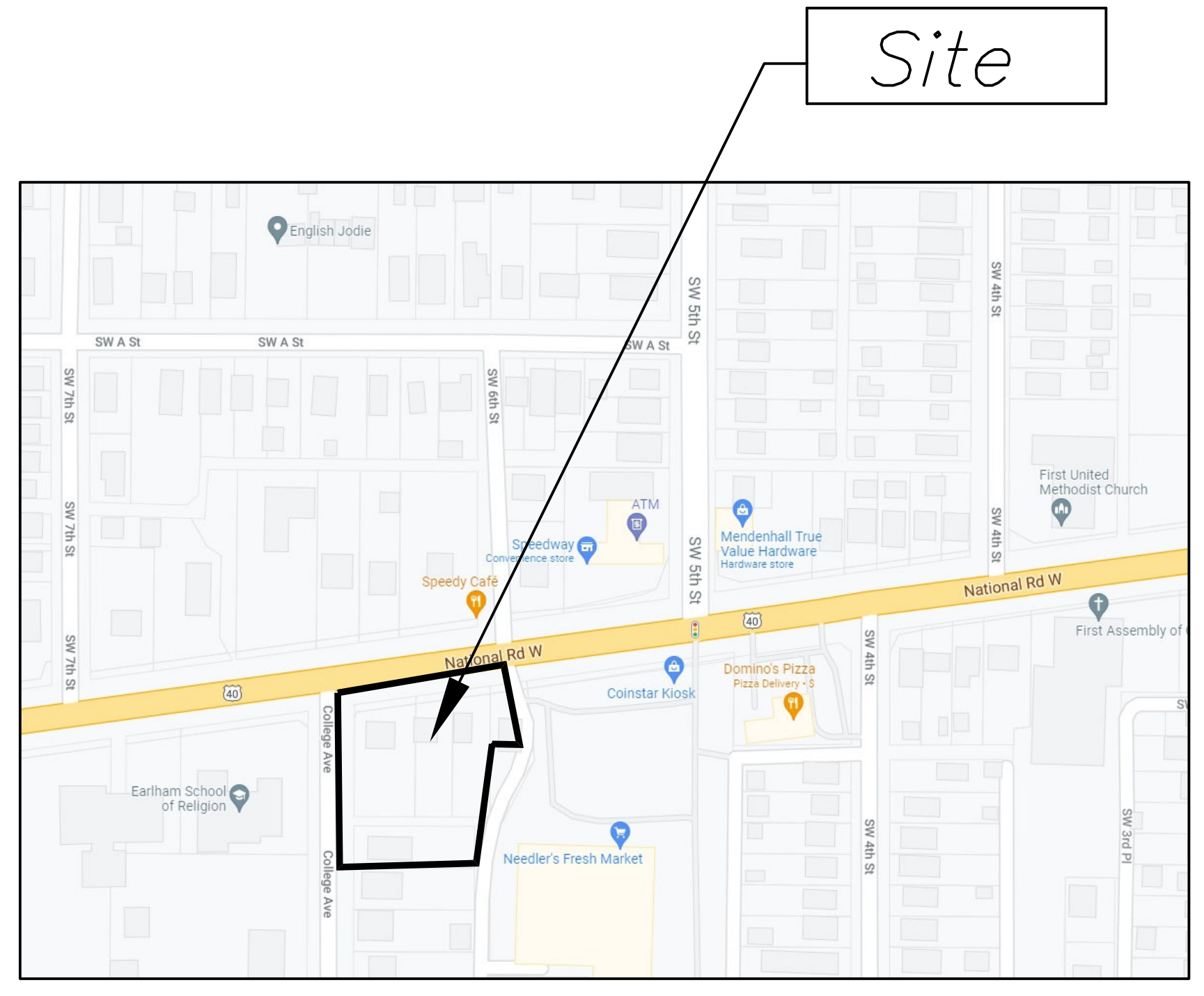
West Side Retail

National Road West Richmond, Indiana, 47374

Site Layout for West Side Retail

- EX. LEGEND**
- Right-of-Way Monument
 - ☒ Telephone Box
 - ☒ Storm Curb Inlet
 - ☒ Storm Inlet
 - ☒ Power Pole
 - ⊕ Sign
 - ⊕ Light Pole
 - ⊕ AC UNIT
 - ⊕ Water Valve/Meter
 - ⊕ Manhole
 - ⊕ Sanitary Sewer Manhole
 - ⊕ Fire Hydrant
 - ⊕ Mailbox
 - xxxx — Existing Contour
 - SS— Existing Sanitary Sewer Line
 - ⊕ Existing Sanitary Manhole
 - W— Existing Water Line
 - S— Existing Storm Sewer Line
 - G— Existing Gas Line
 - E— Existing Electric Line

- CONSTRUCTION LEGEND**
- T/C PAV Proposed Elevations
 - XXXX Proposed Contours
 - ▭ Proposed Walk
 - ▬ Proposed Curb
 - W— Proposed Drainage Pattern
 - ▬ Proposed Silt Fence
 - SS— Proposed Sanitary Line
 - G— Proposed Gas Line
 - E— Proposed Electric Line
 - S— Proposed Storm Sewer Line
 - W— Proposed Water Line



- UTILITY OWNERS**
- ELECTRIC:**
 (RR&L) Richmond Power & Light
 2000 U.S. 27 South
 Richmond, Indiana 47374
 Gerald Lemmon
 Phone: 973-7200
- STORM SEWERS:**
 Richmond Sanitary District
 2380 Liberty Avenue
 Richmond, Indiana 47374
 Gerald South
 Phone: 983-7450
- SANITARY:**
 Richmond Sanitary District
 2380 Liberty Avenue
 Richmond, Indiana 47374
 Elijah Welch
 Phone: 983-7450
- GAS:**
 Vectren
 3421 Chester Boulevard
 Richmond, Indiana 47374
 Gerard Hofstead
 Phone: 1-812-464-4600
- WATER:**
 Indiana-American Water Co., Inc.
 Richmond District
 1710 Sylvanook Dr.
 Richmond, Indiana 47374
 Duane Crist
 Phone: 962-0470

Project Specifications

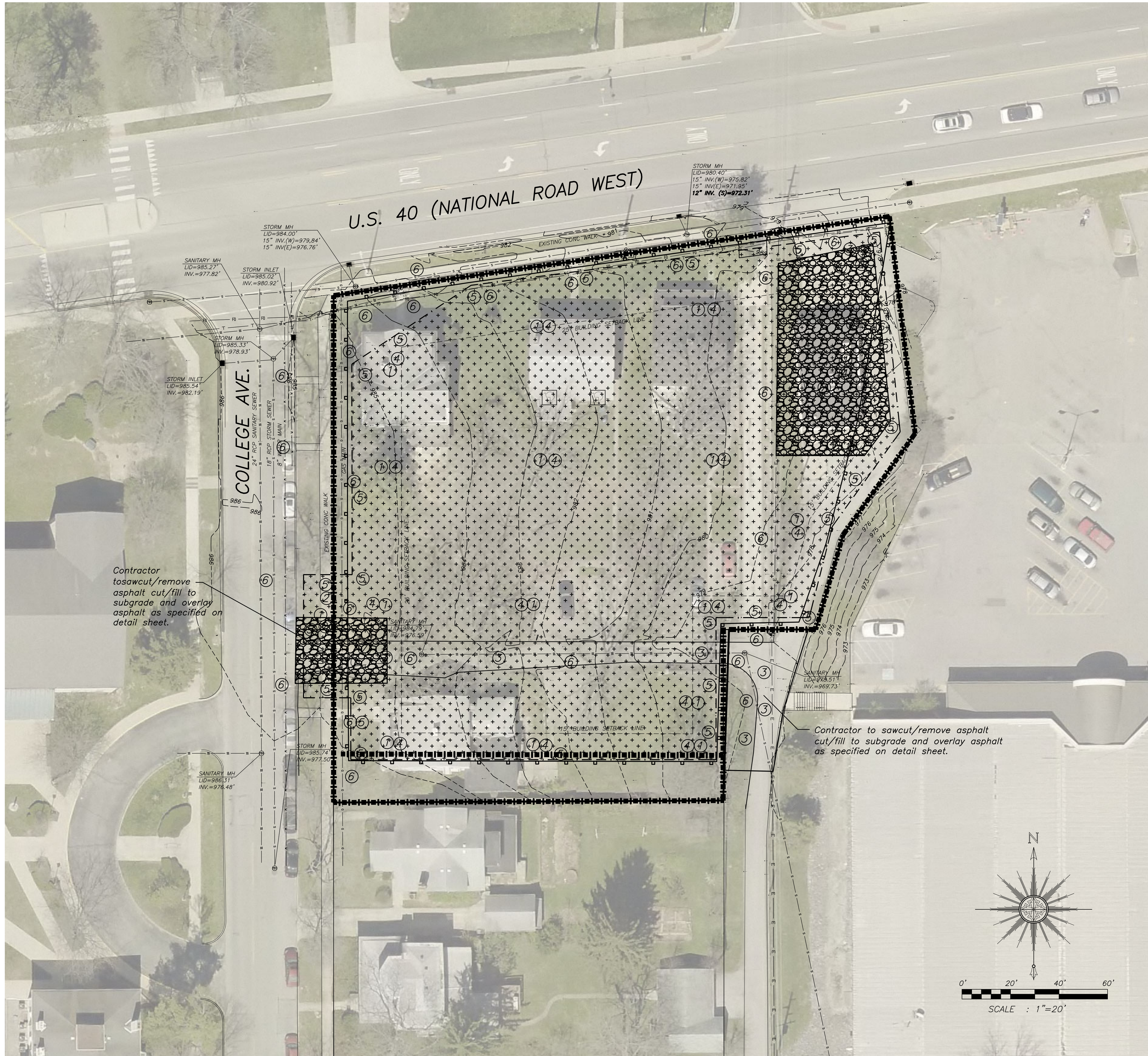
The Standard Specifications for Construction and Materials of the State of Indiana, Department of Transportation (INDOT), in force 2021, the Indiana Department of Environmental Management (IDEM), and the City of Richmond, Planning and Zoning Regulations, including changes and supplemental specifications listed in the proposal shall govern this project.

Plan Index

- Sheet #C-100 General Information Sheet
- Sheet #C-200 Topography/ Demolition Plan
- Sheet #C-300 Dimension Plan
- Sheet #C-400 Site Plan & Grading Plan
- Sheet #C-500 Utility Plan
- Sheet #C-600 Detail Sheet
- Sheet #C-601 Detail Sheet

CERTIFICATION
 I, Gordon E. Moore hereby certify that this survey was performed wholly by or under the direction of the registered surveyor, and to the best of the land surveyor's knowledge and belief was executed according to survey requirements in Indiana Title 86B Board of Registration for Professional Surveyors.
 Gordon E. Moore
 Beals-Moore & Associates, Inc.
 122 South 8th Street
 Richmond, IN 47374

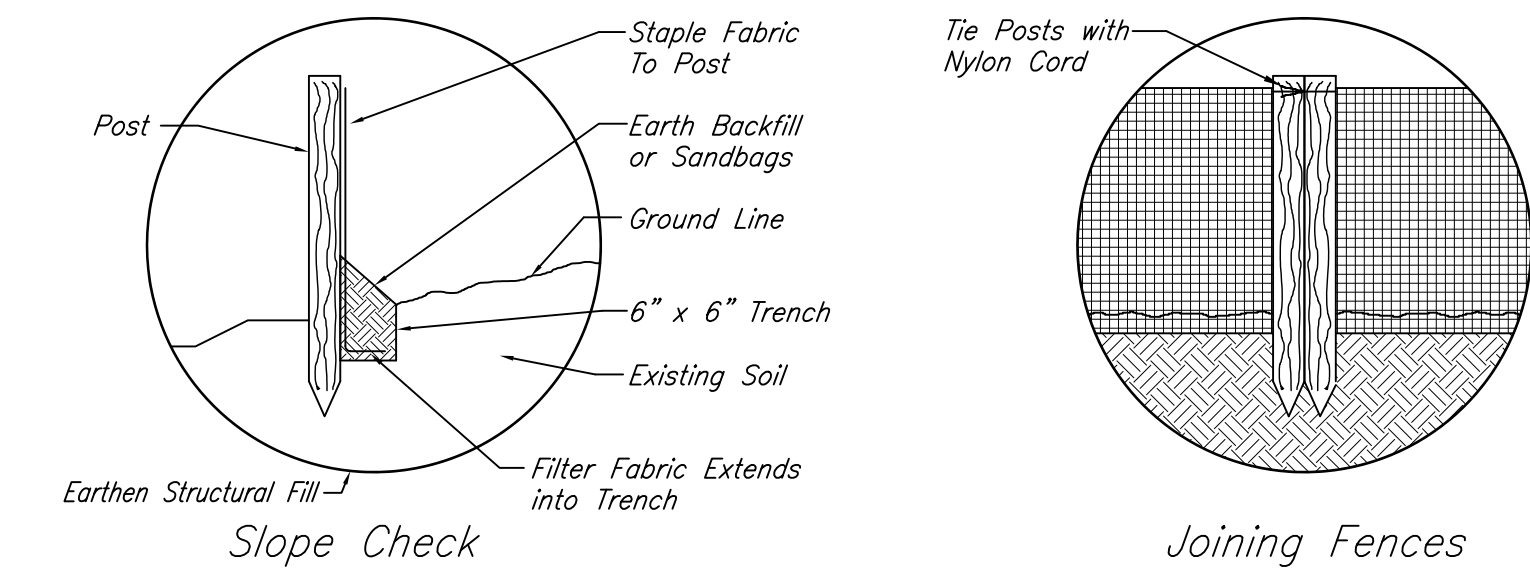
No.	Date	Field Crew	Revision	Changes	By	TAT
1	1 Aug 2021	Keith Fielden	Pre-Bid Meeting			
2	2021-01-17	Computed By				
3		Drawn By				
4		Checked By				
5		Designed By				
6						
7						
8						



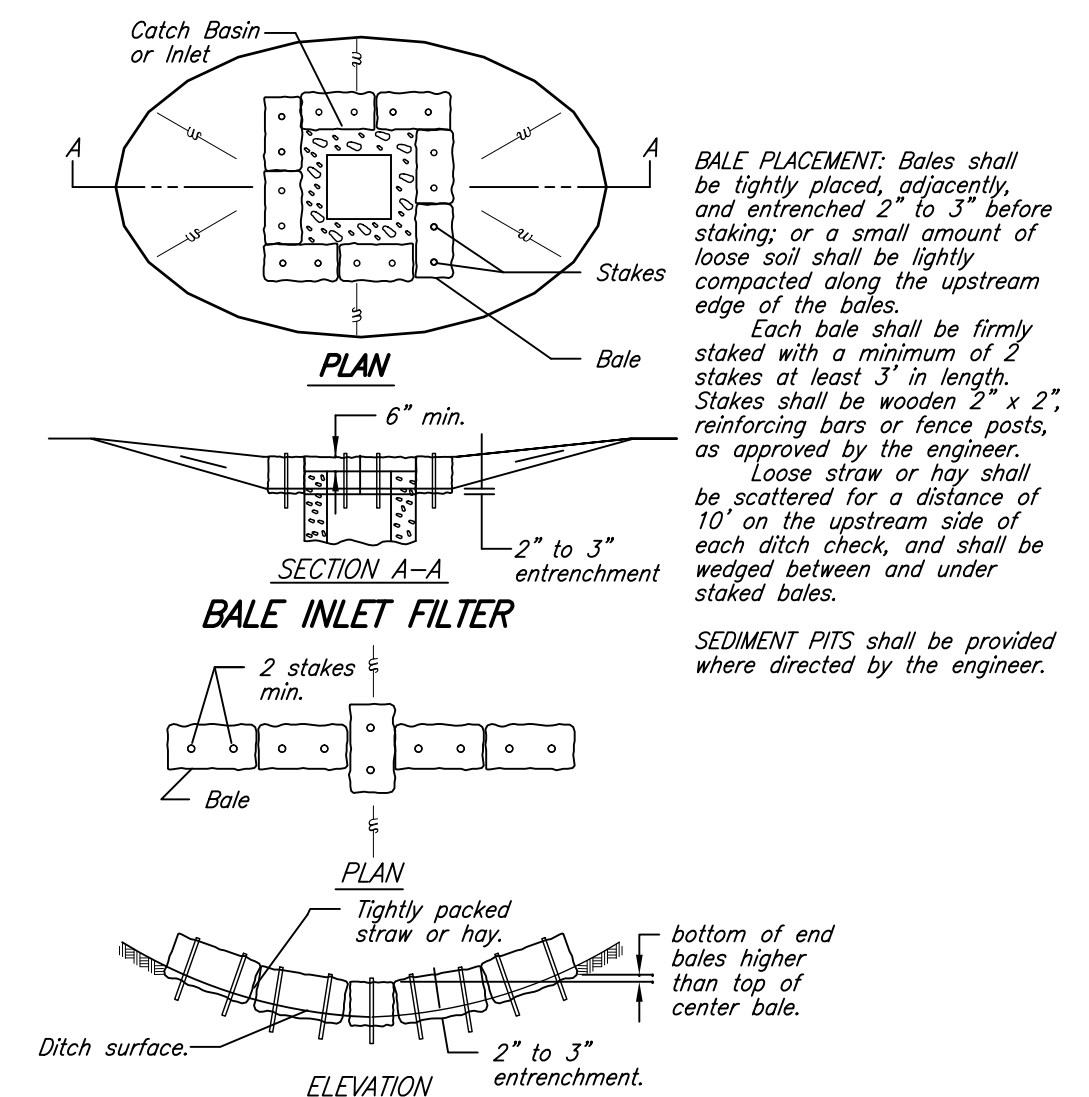
DEMOLITION NOTES:

Construction Includes, but is not limited to the following.

- ① Contractor to remove all existing topsoil and vegetation where specified and cut/fill to subgrade as required to provide finish elevations as designed.
- ② Contractor to sawcut/remove concrete where specified and cut/fill to subgrade as required to provide finish elevations as designed. Materials to be hauled offsite.
- ③ Contractor to sawcut/remove asphalt where specified and cut/fill to subgrade and overlay asphalt as specified on detail sheet.
- ④ Contractor to remove trees and landscaping including stump/root system. Materials to be hauled offsite.
- ⑤ Contractor to install silt fence as shown for erosion control
- ⑥ Contractor is to protect existing underground utilities and is to verify location using 811 locating services. Contractor is responsible for any damages to underground utilities and must replace damages at their expense.
- ⑦ Contractor stone construction entrance from College Avenue along alley and over and around site trailer. Site trailer to be placed on Northeast side of the site. At no point is construction entrance to come from US Highway 40 (National Road West). If there are fines from accessing from State property, Contractor will be responsible for fines. Contractor can leave existing asphalt alley until it is needed to be removed for new grades.

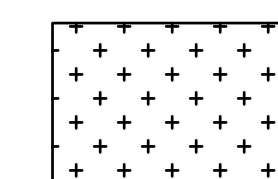


SILT FENCE DETAILS

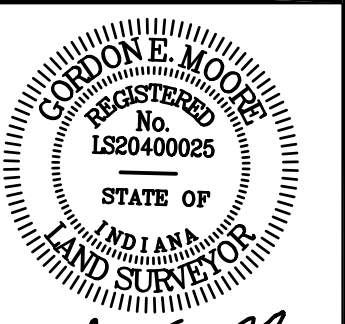


EROSION/SEDIMENTATION CONTROL

Proposed construction is generally drawn in bold or darker lineweights while existing entities are generally lighter.

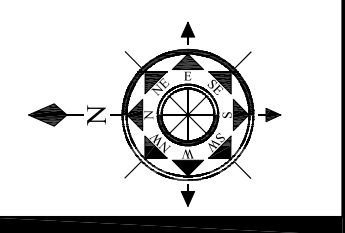


Contractor to remove all existing topsoil and vegetation where specified and cut/fill to subgrade as required to provide finish elevations as designed.



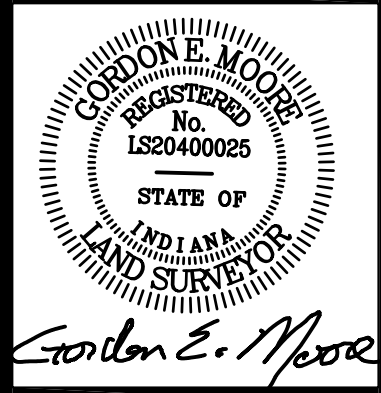
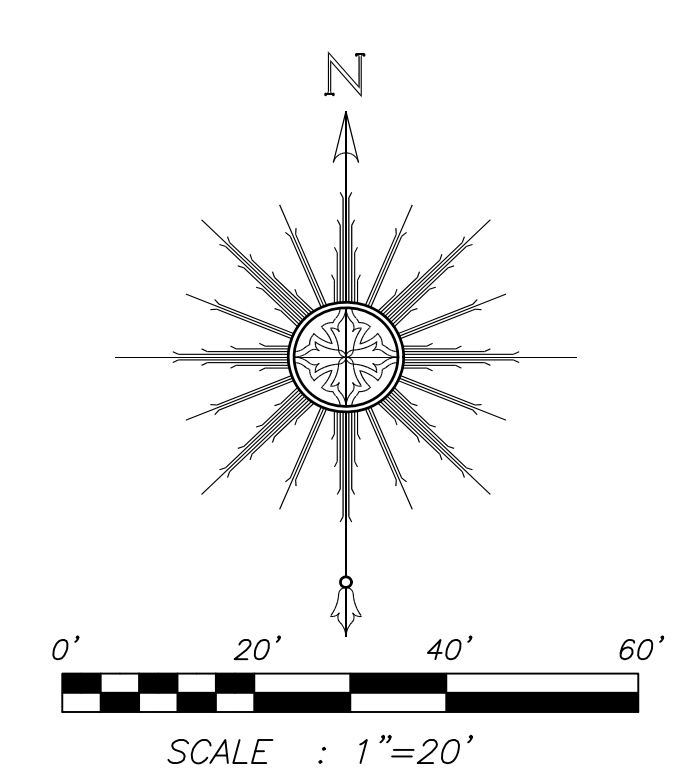
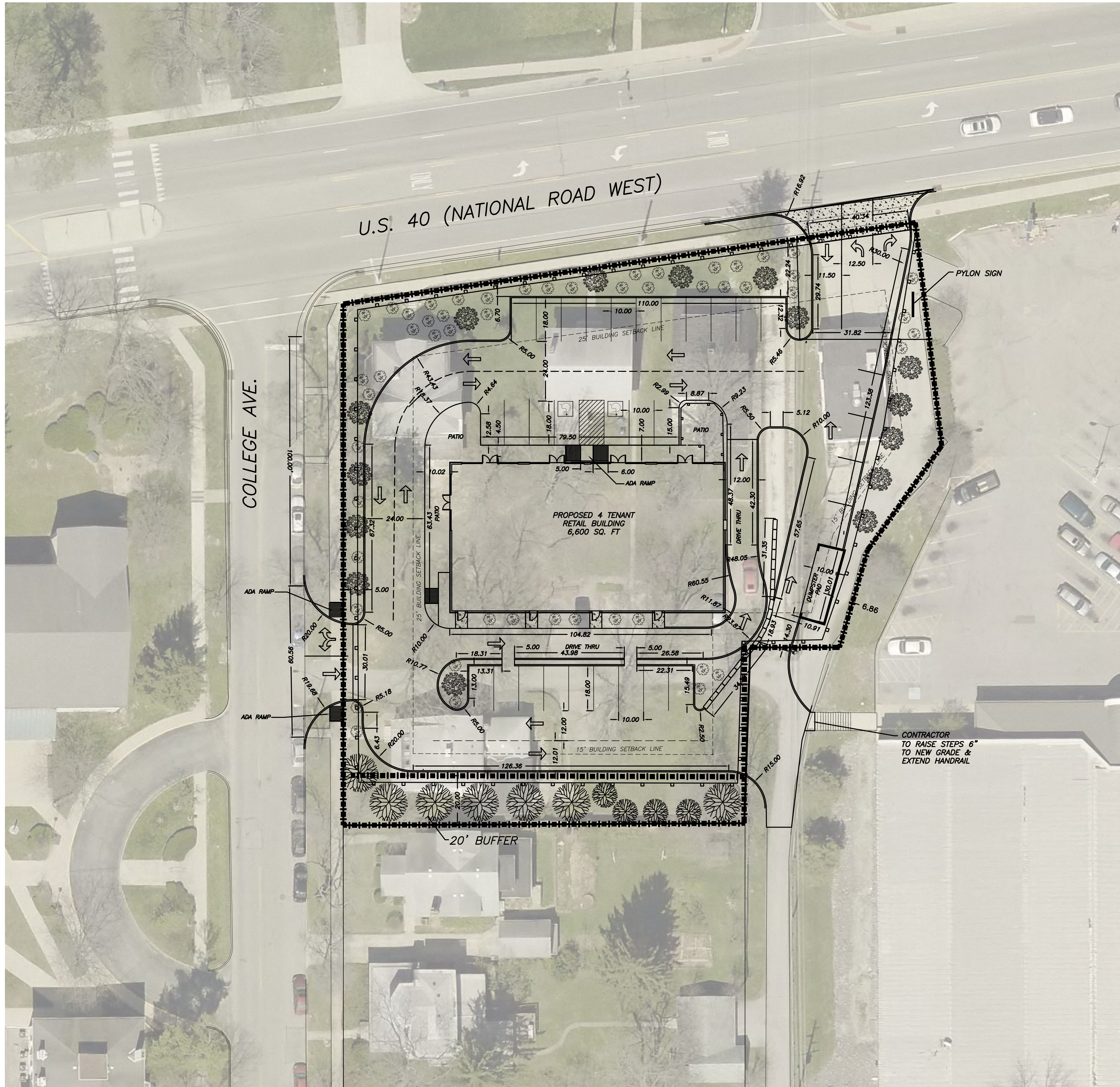
Gordon E. Moore

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 122 South 8th Street
 Richmond, Indiana 47374
 Phone (765) 962-1023
 Fax (765) 962-5274
 E-Mail: surveyors@bealsmoore.com

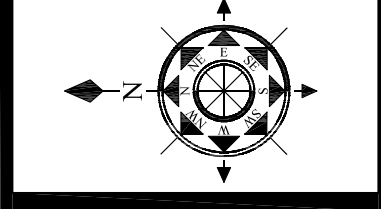


Site Layout for West Side Retail

No.	Date	Revision	By
1	7/2/19	Pre-Bid Meeting Changes	TAT
2			
3			
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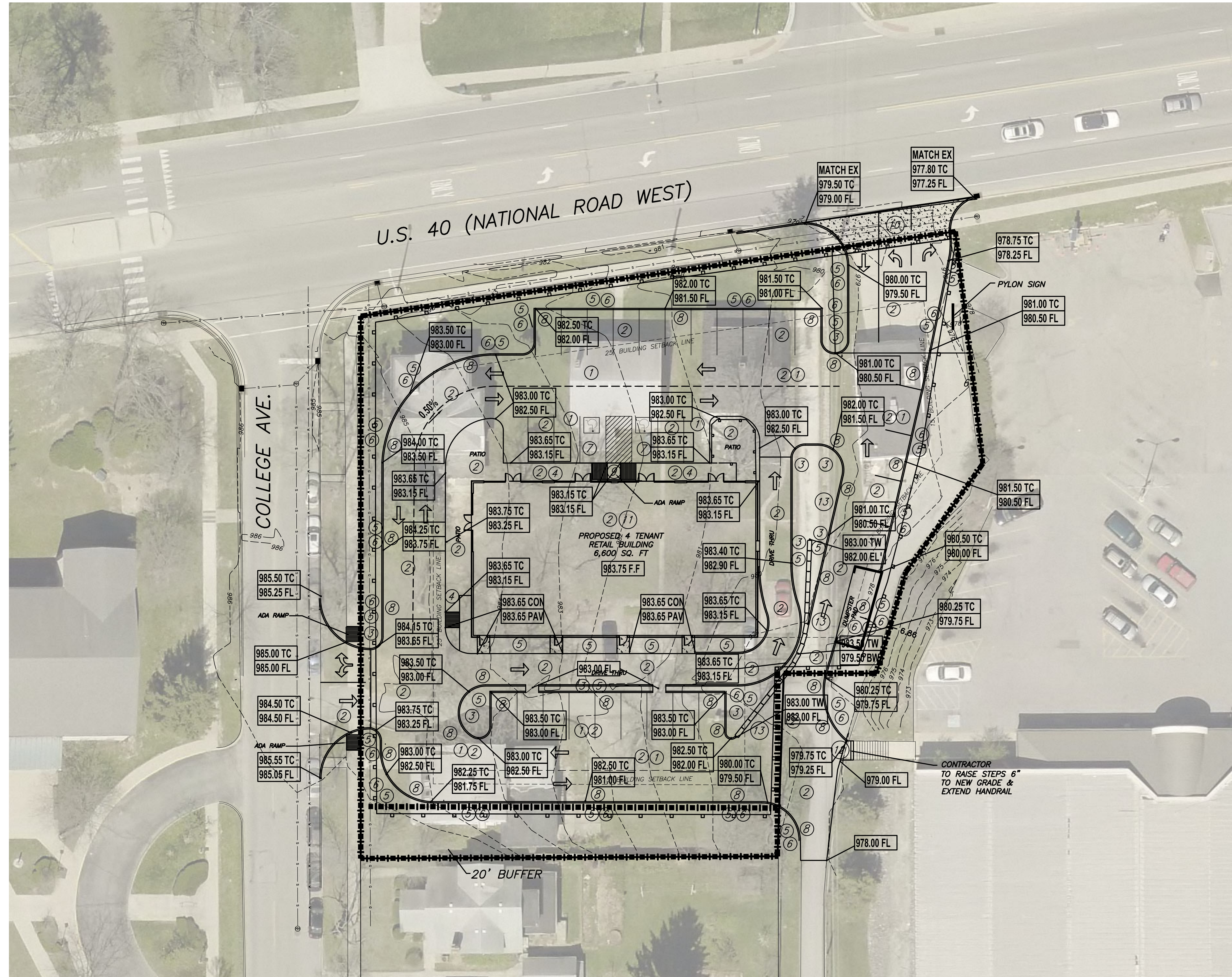


Plat for BZA Variances
 for
 West Side Retail

No.	Date	Revision	By
1	7/27/2021	Pre-Bid Meeting Changes	TAT
2			
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4			
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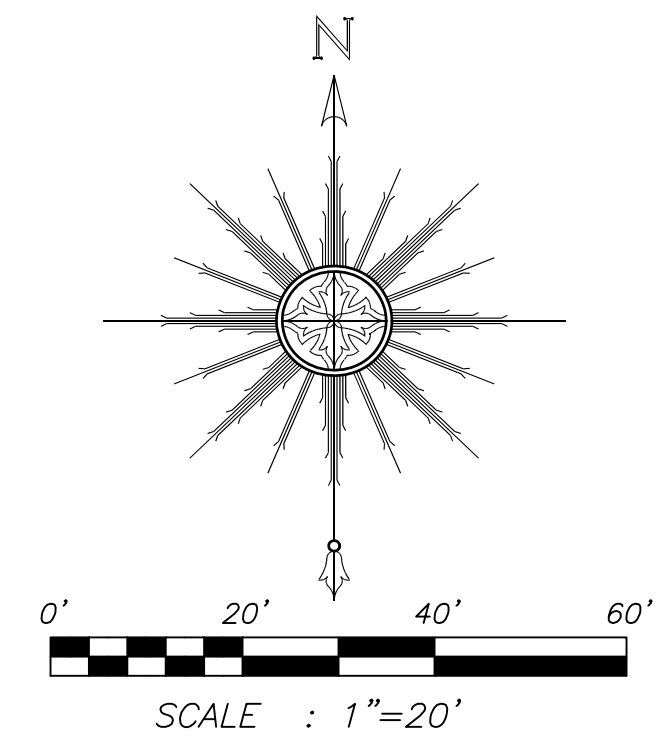
Date: 1 Aug 2021
 W.O. #: 2021-017
 Map Scale: 1"=20'
 Vert. Scale: N/A
 Plat Number: D-4387

Field Crew:
 Computed By: Keith Fielden
 Drawn By: Todd Thomas
 Checked By: Gordon E. Moore
 Designed By:

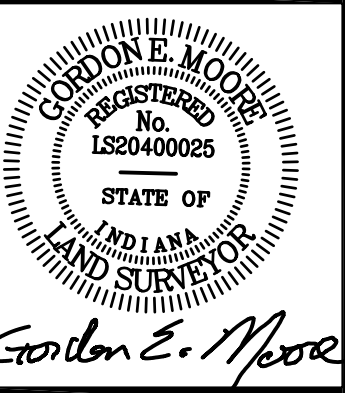


CONSTRUCTION NOTES:
 Construction Includes, but is not limited to the following.

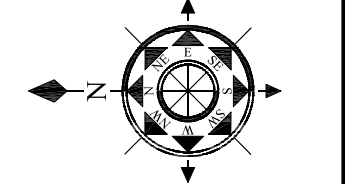
- ① Contractor to construct Asphalt parking lot and drives with materials and thicknesses shown on detail sheet. Provide striping and traffic markings as shown.
- ② Contractor to provide compacted subgrade as specified for parking lot, curbs, walks, etc. Due to soil conditions, subgrade to be inspected by Geotechnical Engineer to determine if undercutting of the subgrade is required.
- ③ Contractor to construct new median curb where specified.
- ④ Contractor construct integral concrete walk and curb along building. Refer to building structural drawings for control joint locations.
- ⑤ Contractor to provide topsoil backfill. Typical all islands and surrounding curbs, building and walks.
- ⑥ Contractor to provide slope away from parking lot and building, blending into surrounding grades, seed and mulch.
- ⑦ Contractor to construct handicap spaces with grades no greater than 2% in any way. Provide all necessary handicap signage.
- ⑧ Contractor to construct new 6" chairback curb along outer parking as shown.
- ⑨ Contractor to construct handicap ramps as shown and per ADA requirements
- ⑩ Contractor to construct concrete drive and aprons with materials and thicknesses shown on detail sheet, City of Richmond standards or INDOT driveway standards.
- ⑪ Contractor to building per Architectural Drawings provide compacted subgrade as specified for building. Due to soil conditions, subgrade to be inspected by Geotechnical Engineer to determine if undercutting of the subgrade is required.
- ⑫ Contractor to raise existing conc. steps to new grade and build to city specifications
- ⑬ Contractor to contract new retaining wall as shown and per detail on C-601



Proposed construction is generally drawn in bold or darker lineweights while existing entities are generally lighter.



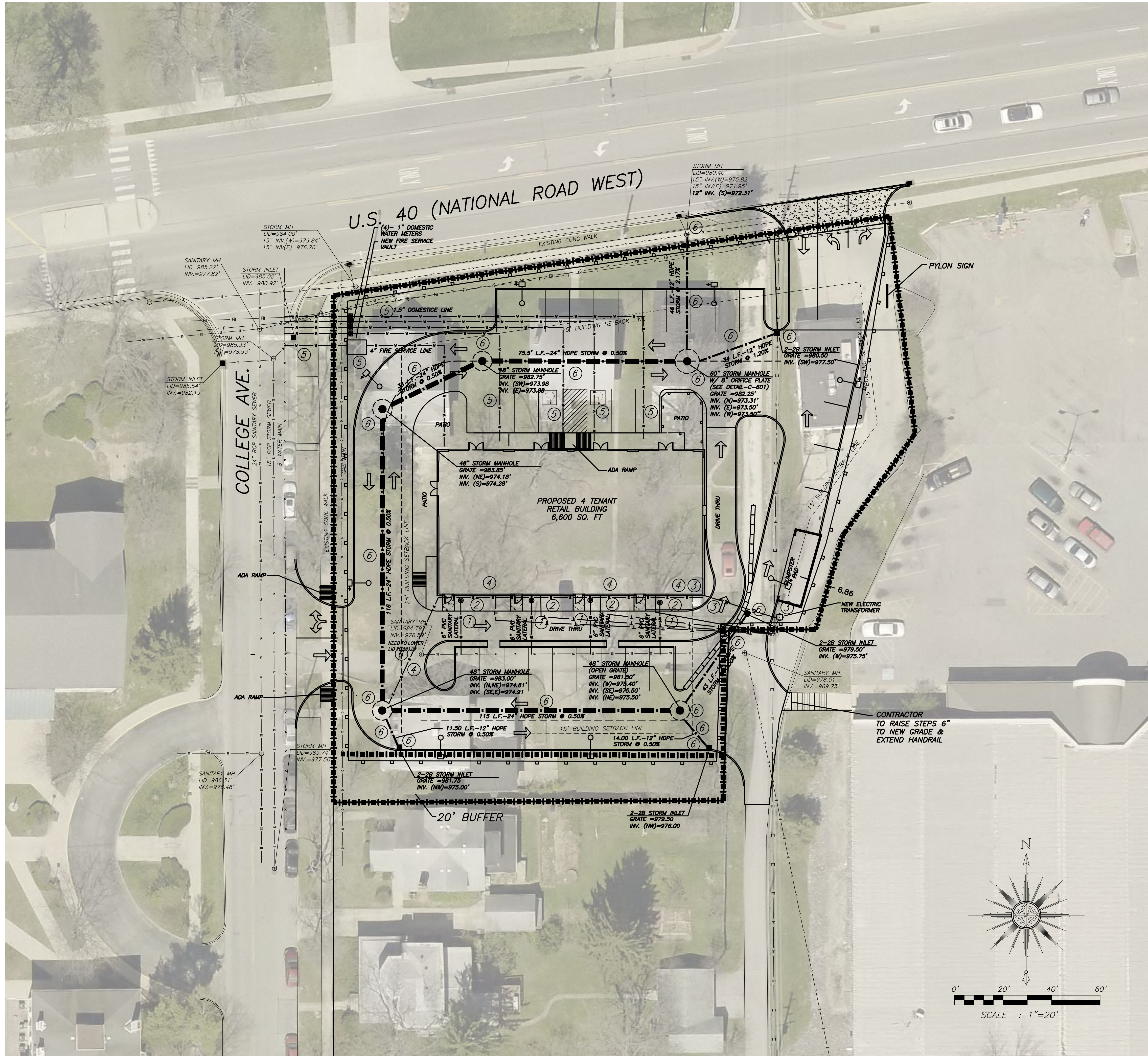
Beals-Moore & Associates, INC.
 122 South 8th Street
 Richmond, Indiana 47374
 Phone (765) 962-1023
 Fax (765) 962-5274
 E-Mail: surveyors@bealsmoore.com



Grading/Drainage Plan
 for
 West Side Retail

No.	Date	Revision	By
1	7/21/21	Pre-Bid Meeting Changes	TAT
2			
3			
4			
5			
6			
7			
8			

Date	1 Aug 2021	Field Crew	Keith Fielden
W.C.	2021-017	Computed By	
Drawn By	Todd Thomas	Drawn By	
Checked By	Gordon E. Moore	Checked By	
Plot Number	D-4388	Designed By	



CONSTRUCTION NOTES:

Construction Includes, but is not limited to the following.

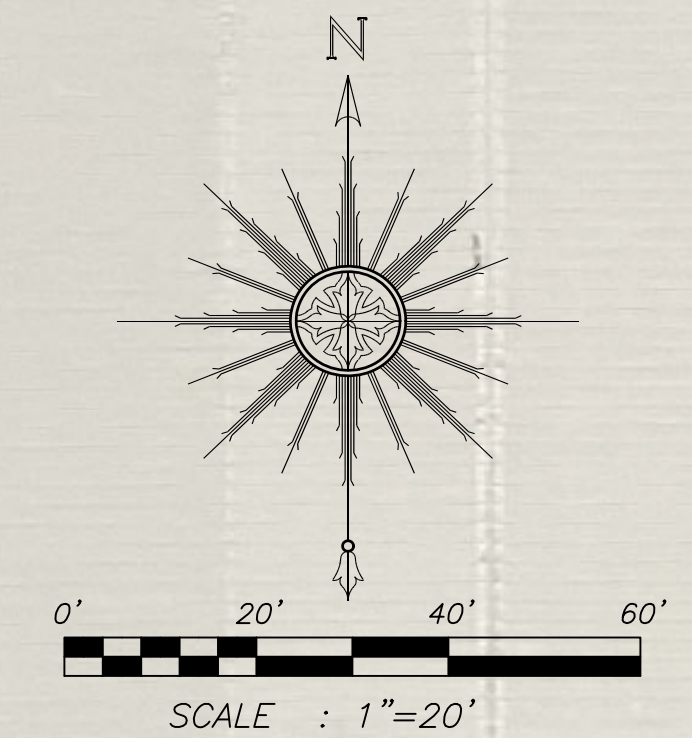
- ① Contractor shall install a 6 inch diameter PVC Sanitary Lateral (4 total) to existing sanitary main in rear of building and follow Richmond Sanitary District requirements for installation. All manhole connections shall be cored and booted using a Kor-N-Seal boot or equal. The existing lateral shall then be plugged at the sanitary sewer main with a 12 inch long concrete plug and abandoned in place. Contractor to field verify and install new lateral and provide enough slope to drain. Contractor to use risers to raise the West Sanitary manhole to finished grade
- ② Utility owner to extend gas to the building from existing gas. Contractor to verify location of gas meters with utility company and Owner.
- ③ Contractor is to Coordinate with RP&L on location of Electric Transformers and electric to building.
- ④ Contractor to construct downspout drain piping along building and connect to underground. Downspouts can be hooked into main any manhole or inlet as instructed by contractor. Maintain slope to drain piping. Cleanouts to be provided at end of pipes and all changes in direction.
- ⑤ Contractor is to Coordinate with Indiana American Water on installation of new waterline taps from College Avenue to Pit/Fire line and (4) 1" Domestic Waterline Meters. Refer to C-701 for Vault Detail provided by Indiana American Water.
- ⑥ Contractor is to install Underground Storm sewer as shown. Contractor to install Orifice plate on outlet pipe in north manhole before outleting to pipe leading to US 40 sotrm structure. Detail for plate is on detail sheet.
- ⑦ Contractor is to provide 2" conduit for Parallax tele data for each tenant spaces - 4 total (Verify size and location with Parallax and Owner)

UTILITY NOTE:

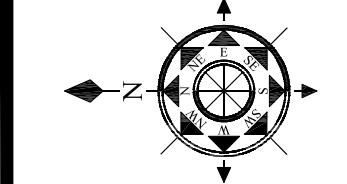
THE WITHIN SURVEY REFLECTS THE LOCATION OF ABOVE GROUND VISIBLE EVIDENCE OF UTILITY LINES SUCH AS POLES, RISER PEDESTALS, TRANSFORMERS, MANHOLES, VAULT COVERS, VALVE BOXES AND FIRE HYDRANTS, ETC. REQUEST FOR UNDERGROUND UTILITY LOCATION MARKINGS WERE MADE THROUGH INDIANA 811 ON BY CONTRACTOR. THIS SURVEY REFLECTS ABOVE GROUND INDICATIONS OF UTILITIES AND INFORMATION AVAILABLE FROM UTILITY COMPANIES. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. THE USER OF THIS SURVEY IS CAUTIONED THAT THERE MAY BE BURIED UTILITY LINES, EITHER IN SERVICE OR ABANDONED, OR OTHER UNDERGROUND FACILITIES EXISTING ON THE PREMISES WHICH ARE NOT SHOWN ON THE WITHIN SURVEY, OR WHICH ARE SHOWN HEREON BUT THE LOCATION OF WHICH IS UNCERTAIN, UNLESS OTHERWISE NOTED. THE SURVEYOR HAS NOT PHYSICALLY LOCATED ANY BURIED UTILITY LINES AND THE SURVEYOR ASSUMES NO LIABILITY FOR ANY ERRORS OR OMISSIONS RELATIVE TO UNDERGROUND UTILITY LINES OR OTHER BURIED FACILITIES.

UTILITY NOTE:

CONTRACTOR TO BRING ALL PROPOSED UTILITIES TO THE BUILDING AND COORDIANTE WITH MECHANICAL, ELECTRICAL AND PLUMBING SUB-CONTRACTORS TO STUB UTILITIES INSIDE BUILDING PAD.



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 122 South 8th Street
 Richmond, Indiana 47374
 Phone (765) 962-1023
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 E-Mail: surveyors@bealsmoore.com



Utility Plan for West Side Retail

No.	Date	Field Crew	Revision	Changes	By	TAT
1	7/21/21	Keith Fielden	Pre-Bid Meeting			
2						
3						
4						
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7						
8						

GENERAL NOTES

ELEVATION DATUM City of Richmond/Wayne County GPS Geodetic Monuments NAD83/NAVD88

UTILITIES The contractor shall, at least two working days prior to starting work, notify the area Underground Utility Protection Service, and the owners of utilities having wires, poles, pipes, conduits, manholes or other structures that may be affected by this operation, including all structures which are affected and not shown on these plans, of his intent to start construction operations. After commencing construction, the Contractor shall report immediately to the owner or operator of the utility any break in its lines, or any dent, gouge, groove, or other damage to the lines or their coating or cathodic protection. The Contractor must also alert the nearby occupants of any emergency he may create or discover in connection with excavation in and around the utilities.

UNDERGROUND UTILITIES The location of the underground utilities shown on these plans has been obtained by diligent field checks and searches of available records. Observations have been made from ground level and were not conducted by "confined space entry" unless otherwise noted. It is believed that they are essentially correct, but Beals-Moore & Associates does not guarantee their accuracy or completeness. The Contractor shall be aware that, due to lack of adequate information, all existing utilities may not be reflected on these plans. It shall be the Contractor's responsibility to field verify and locate any and all existing utilities horizontally and vertically prior to construction. Any utility, including field tiles and drains, damaged during construction shall be repaired or replaced in kind at the Contractors expense.

UTILITY OWNERS

Richmond Power & Light
2000 U.S. 27 South
Richmond, Indiana 47374
Phone: 913-7200

3421 Chester Boulevard
Richmond, Indiana 47374
Phone: 1-800-777-2060

STORM SEWERS:
Richmond Sanitary District
2380 Liberty Avenue
Richmond, Indiana 47374
Phone: 983-7450

Indiana-American Water Co., Inc.
Richmond District
1710 Sylvanook Dr.
Richmond, Indiana 47374
Phone: 962-0470

MAINTENANCE OF TRAFFIC: All traffic maintenance to be coordinated with the City of Richmond and/or INDOT with its Right of Way.

REPLACEMENT The Contractor shall replace at his own expense any item not specifically listed for removal that is damaged or destroyed by his operations.

EROSION CONTROL: Silt fence to be constructed around the perimeter of the site. Inlets to have erosion control measures placed around surface.

All graded areas shall have vegetation established as soon as practical and shall conform to the seeding and fertilizing specifications below.

Seeding, Mulching, and Fertilizer

The area to be seeded shall be made smooth and uniform and shall be in accordance with the finished grade and cross section shown on the plans or as otherwise designated. The seed bed, if not loose, shall be loosened to a minimum depth of 3 inches (76 mm) before fertilizer or seed is applied. In areas of excessive vehicular traffic, such as parking of construction equipment, the soil shall be loosened to a minimum depth of 6 inches (152 mm). Fertilizer with a mixture of 12-12-12 shall be spread uniformly over the area to be seeded. Fertilizer shall be spread at the rate of 800 pounds per acre (897 kilogram per hectare) unless otherwise specified. Seed may be drilled in or mixed with water, but shall not be covered more than 1/2 of an inch (12.5 mm). The mixture shall be sprayed over the area to be seeded. An approved mechanical method which shall place the seed in direct contact with the soil may be used. In places inaccessible to mechanical equipment, or where the area to be seeded is small, a hand operated cyclone seeder or other approved equipment may be used. Leguminous seeds, unless otherwise specified, shall be inoculated. The culture shall be mixed with sufficient water to distribute it thoroughly. The seed shall be wetted thoroughly with the solution and allowed to dry sufficiently to be in condition for sowing. Inoculated seed shall be sown within 30 hours after the treatment. Where seeding is to be done by hydraulic methods, the inoculate may be added to the water in the spray tank.

The seed mixture shall be applied at specific locations. It shall be applied at the rate of 150 pounds per acre (168 kg/hectare). The mixture shall consist of 95 pounds (43.1 kg) of a 4-way blend of turf type tall fescues such as Tribute, Rebel II, Trailblazer, or approved equal; 20 pounds (9 kg) Jasper Red Fescue or approved equal; and 35 pounds (16 kg) certified fine bladed perennial ryegrass such as Regal, Fiesta, Blazer, or approved equal.

Mulching material shall be applied uniformly in a continuous blanket at the rate of 2 tons per acre (4.5 megagrams/hectare). Mulch shall be placed within 24 hours after seeding. Mulch shall be secured in a method approved by the engineer.

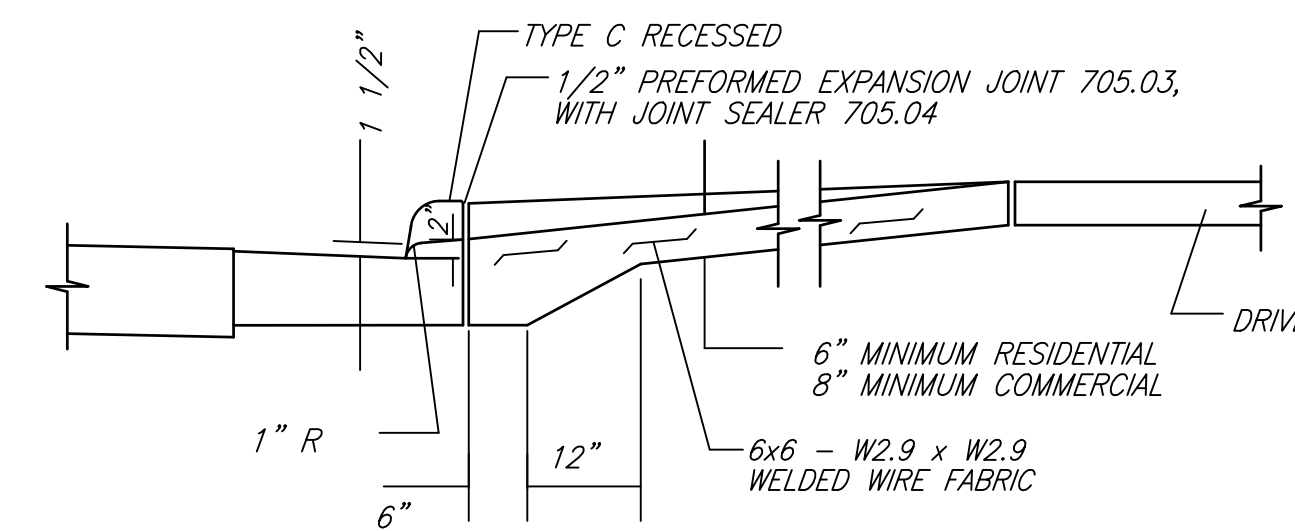
GRADE SHOWN ON PLAN	STANDARD (CAR PARKING)		
1.	1-1/2"	402	220#/sys HMA SURFACE TYPE A
2.	2-1/2"	402	330#/sys HMA INTERMEDIATE TYPE A
3.	8"	303	COMPACTED AGGREGATE
4.		207	SUBGRADE COMPACTION

TYPICAL PAVEMENT SECTION

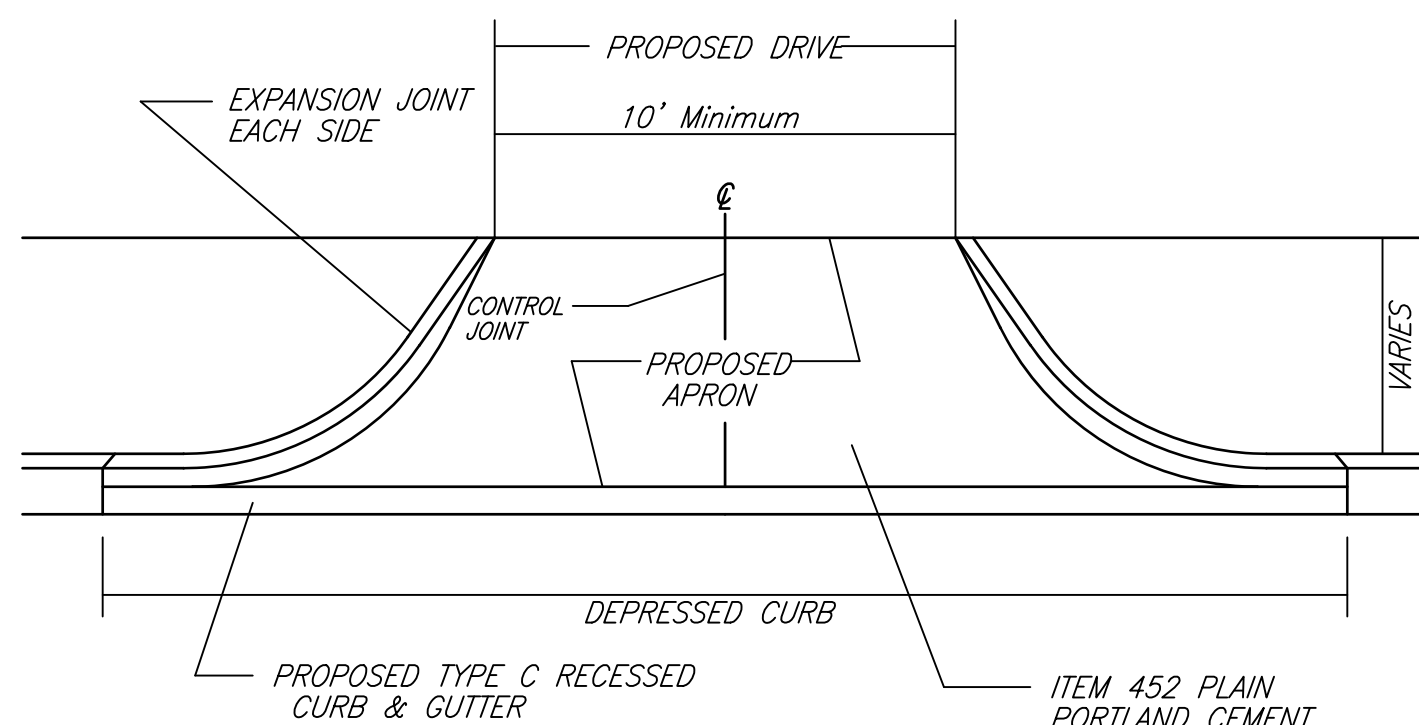
- GENERAL**
- The consultant or engineer will not be responsible for means, methods, procedures, techniques, or sequences of construction that are not specified herein. The consultant or engineer will not be responsible for safety on the jobsite, or for failure by the contractor to perform work according to contract documents.
 - The contractor shall comply with all laws, ordinances, rules, orders and regulations relating to the performance of the work required by contract.
 - The contractor shall be required to maintain a set of construction record drawings on site during the project.
 - The contractor shall plan his operations so that disruption of existing facilities is at a minimum. The contractor shall be required to provide a schedule of construction, prior to the start of actual construction for owner approval.
 - The contractor shall restrict construction activities to the limits of construction on the plans.
 - The contractor shall carefully preserve benchmarks, property corners, reference points, stakes and other survey reference monuments or markers. In cases of willful or careless destruction, the contractor shall be responsible for restoration of markers. Resetting of markers shall be performed by an Indiana Professional Surveyor at the approval of the owner.
 - The contractor shall restore all disturbed areas, to an equal or better condition than existed prior to construction. Drainage ditches or water courses which are disturbed by construction shall be restored to the grades and cross-sections which existed prior to construction.
 - The contractor will be responsible for all offsite disposal activities associated with this project. It is the contractors responsibility to abide by all laws and regulations associated with hauling and disposing of excess materials from the project site.
 - The contractor and subcontractors shall be solely responsible for complying with all federal, state and local safety requirements, excusing precautions at times for the protection of persons (including employees) and property. It is also the sole responsibility of the contractor and subcontractors to initiate, maintain and supervise all safety requirements, precautions and programs in connection with the work.

GENERAL CONCRETE NOTES

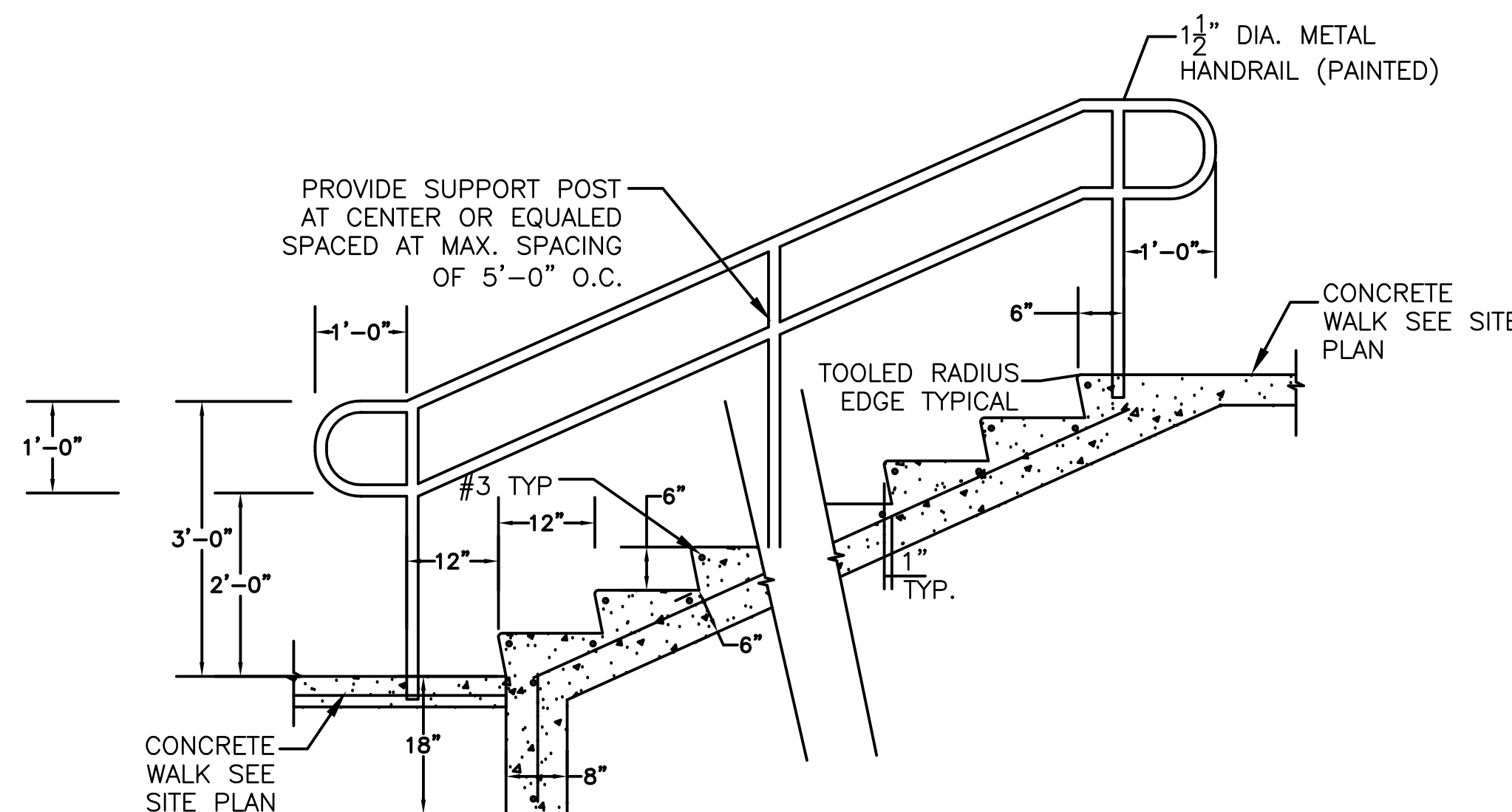
- ALL SLOPES AND GRADES SHOWN ARE DESIRABLE, BUT MAY BE MODIFIED BY PROJECT ENGINEER IF FIELD CONDITIONS WARRANT.
 - ALL CONCRETE CURBS, SIDEWALKS, DRIVEWAYS AND ALLEY APRONS SHALL BE PLACED ON 4" OF WELL COMPACTED CLEAN PEA GRAVEL FILL UNLESS OTHERWISE NOTED.
 - CONCRETE CURB SHALL HAVE 1/2" PREFORMED JOINT FILLER AT NOT MORE THAN 30' INTERVALS AND 1/4" DUMMY JOINTS AT 5' INTERVALS.
 - CONCRETE SIDEWALK SHALL HAVE 1/2" PREFORMED JOINT FILLER AT NOT MORE THAN 30' INTERVALS AND 1/4" DUMMY JOINTS AT 5' INTERVALS.
 - ALL EXPOSED EDGES NOT OTHERWISE SPECIFIED SHALL HAVE A 1/4" TOOLED RADIUS.
 - TWO (2) #5 RE-BARS TO BE PLACED (AS SHOWN) IN ALL RECESSED CONCRETE CURB AT DRIVEWAY AND ALLEY APPROACHES. 12" MINIMUM LAP.
 - 6 X 6 - 10/10 WIRE MESH TO BE PLACED (AS SHOWN) IN ALL DRIVEWAY AND ALLEY APRONS. 6" MINIMUM LAP.
 - WHEEL CHAIR RAMPS AT INTERSECTIONS TO BE CONSTRUCTED AS DIRECTED BY PROJECT. A SLOPE OF 1:12 ON ALL SLANTED SURFACES IS PREFERRED IF FIELD CONDITIONS ALLOW.
 - ALL WORK & MATERIAL SHALL BE IN ACCORDANCE WITH THE INDIANA STATE HIGHWAY STANDARD SPECIFICATIONS WHERE APPLICABLE. (UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER)
- ALL ON SITE CONCRETE SHALL BE 4000 PSI MINIMUM



TRANSITION FROM STANDARD CURB SECTION TO DROP CURB SECTION TO BEGIN AT EDGE OF DRIVEWAY AND BE MADE IN 18" DISTANCE WITHIN DRIVEWAY.

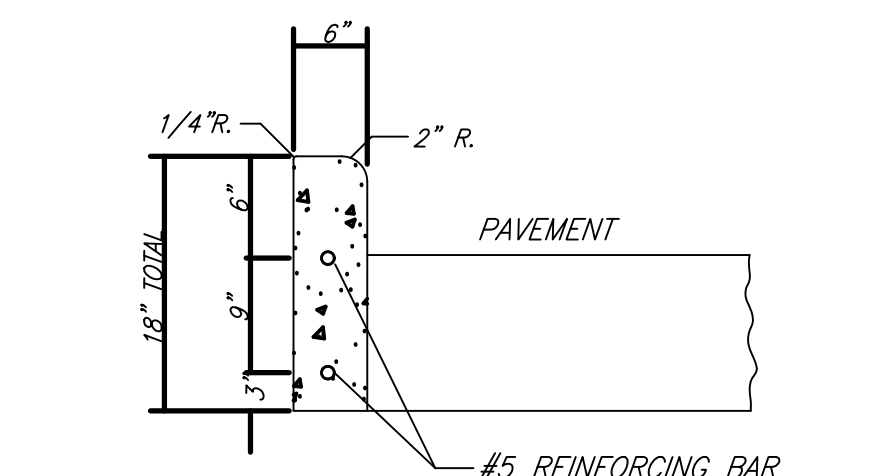


TYPICAL DRIVE DETAILS



HANDRAIL DETAIL

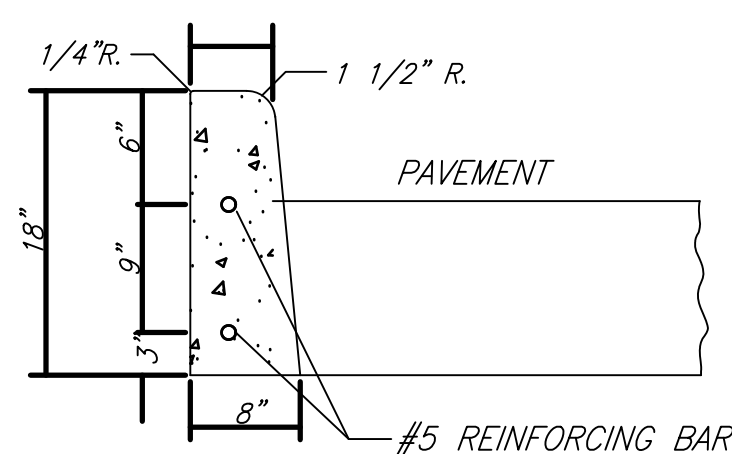
Not to Scale



MEDIAN CURB DETAIL TYPE 6 (as per plan)

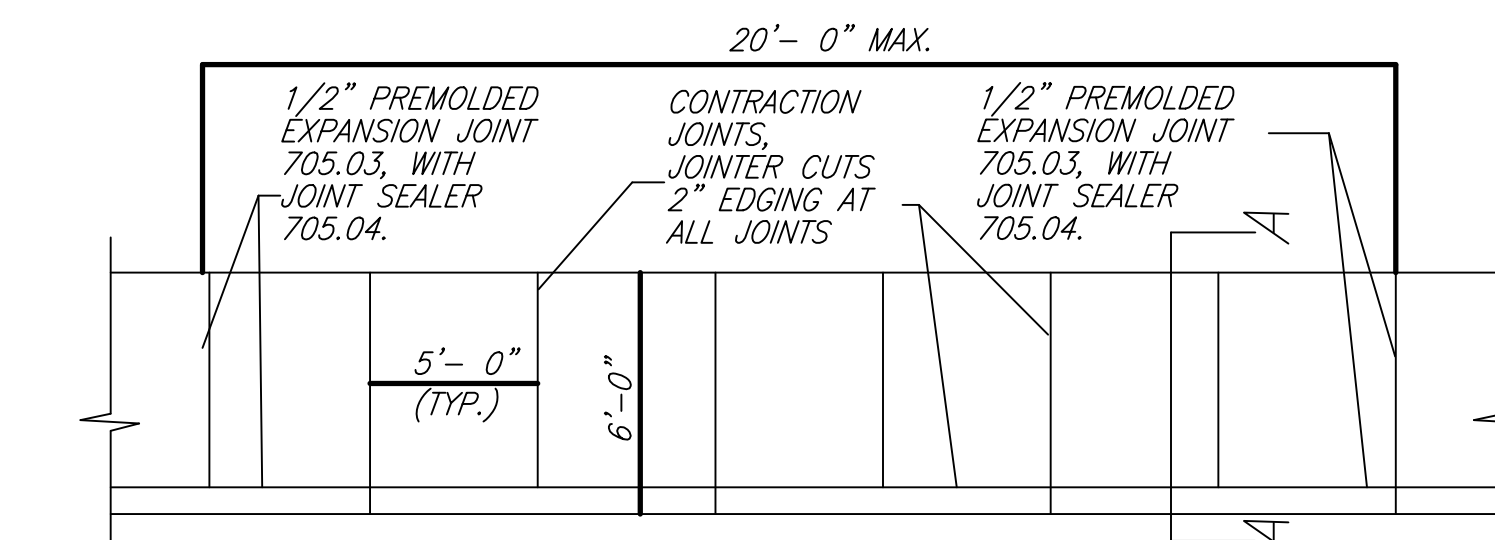
CURB CONSTRUCTION NOTES

- FLEXIBLE FORMS SHALL BE USED ON ALL CURBS HAVING A RADIUS OF 275" OR LESS.
- PREMOLDED EXPANSION JOINTS SHALL BE CONSTRUCTED ON EACH SIDE OF DRIVE APPROACH SECTIONS AND AT P.C. POINTS AT INTERSECTIONS, BUT THE MAXIMUM SPACING SHALL NOT EXCEED 40'.
- ALL JOINTS SHALL BE VERTICAL AND EITHER PERPENDICULAR OR RADIAL TO THE BACK OF CURB.
- CONTINUE REINFORCING BAR THROUGH PREMOLDED EXPANSION JOINTS. SEPARATE SLIDING DWEL BARS NOT REQUIRED.
- ALL CURB SHALL BE BACKFILLED BEFORE PAVEMENT WORK IS BEGUN.



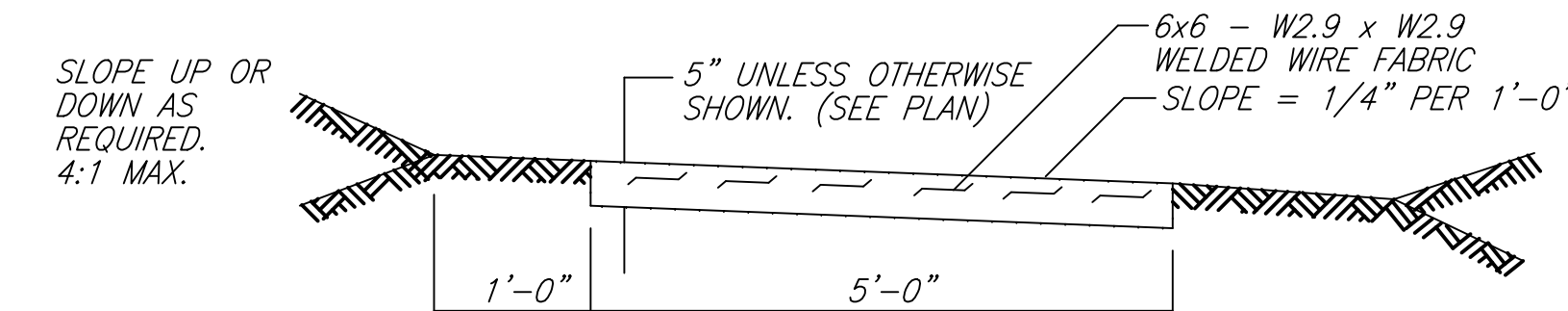
- FLEXIBLE FORMS SHALL BE USED ON ALL CURBS HAVING A RADIUS OF 275" OR LESS.
- PREMOLDED EXPANSION JOINTS SHALL BE CONSTRUCTED ON EACH SIDE OF DRIVE APPROACH SECTIONS AND AT P.C. POINTS AT INTERSECTIONS, BUT THE MAXIMUM SPACING SHALL NOT EXCEED 30'.
- ALL JOINTS SHALL BE VERTICAL AND EITHER PERPENDICULAR OR RADIAL TO THE BACK OF CURB.
- CONTINUE REINFORCING BAR THROUGH PREMOLDED EXPANSION JOINTS. SEPARATE SLIDING DWEL BARS NOT REQUIRED.
- ALL CURB SHALL BE BACKFILLED BEFORE PAVEMENT WORK IS BEGUN.
- SEE GENERAL CONCRETE NOTE (2) THIS SHEET.

STANDARD STRAIGHT FACE CURB TYPE "A"



PLAN VIEW

NOTE: 1/2" PREMOLDED EXPANSION JOINT 705.03 SHALL BE PLACED ALONG ALL JOINTS WITH BUILDING, WALKS OR RETAINING WALLS, UNLESS OTHERWISE DIRECTED. JOINT MATERIAL SHALL BE PLACED STRAIGHT, AND FINISHED WITH EDGING TOOL.

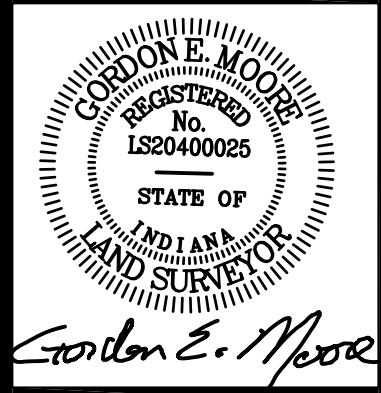


SECTION A-A

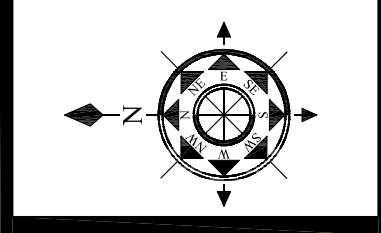
WALK DETAIL

CONCRETE SIDEWALK AND CURB NOTES

- ALL EXTERIOR CONCRETE (4000 PSI) TO BE AIR-ENTRAINED WITH LIMESTONE AGGREGATE CRUSHED OR UNCRUSHED GRAVEL WILL NOT BE ACCEPTABLE.
- CONTROL CRACKS FOR SIDEWALKS SHALL BE SPACED AT 5' O.C. WITH EXPANSION JOINTS SPACED AT 20' O.C.
- SIDEWALKS SHALL HAVE A FINE BROOM FINISH.

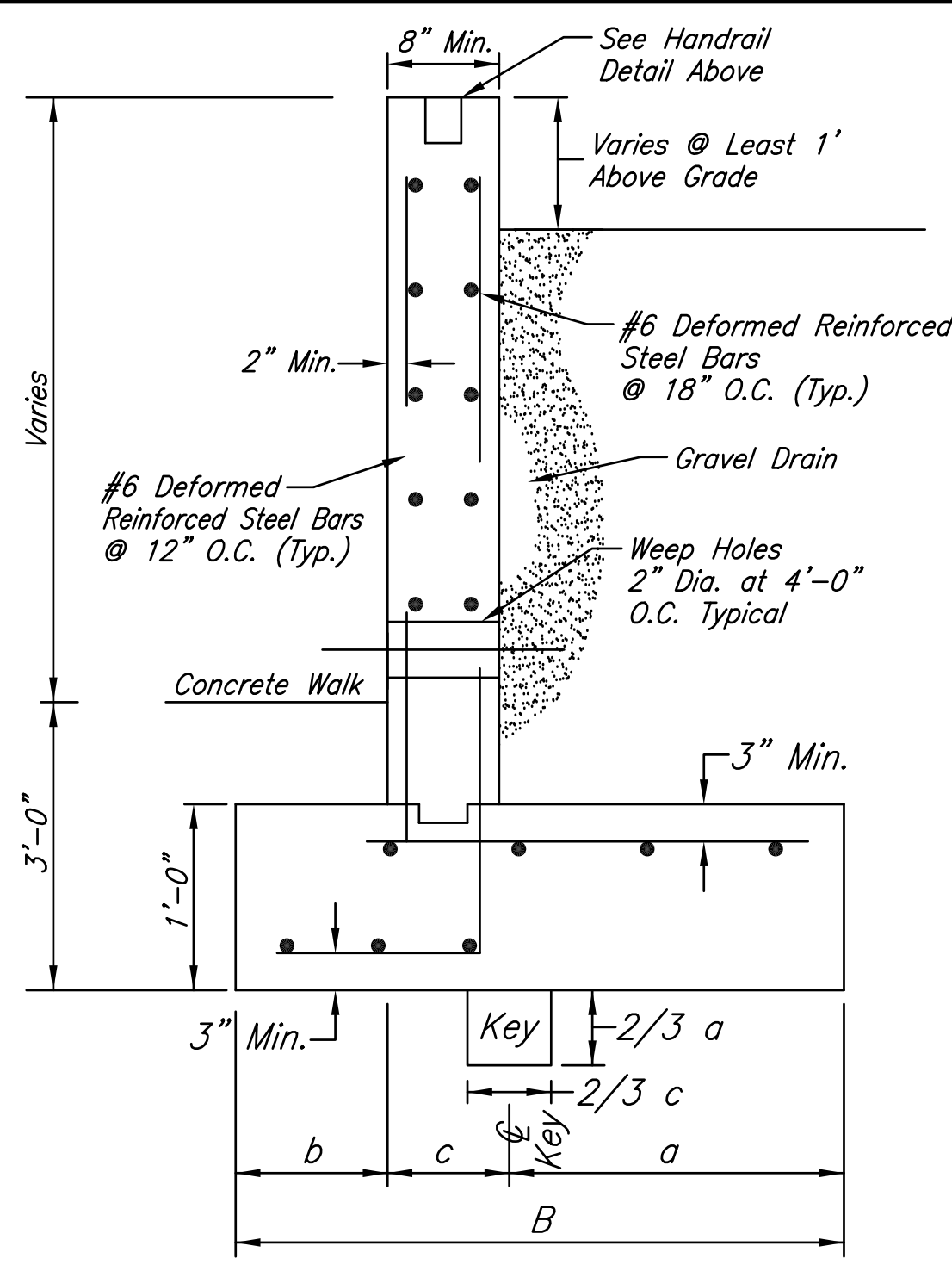


Beals-Moore & Associates, Inc.
122 South 8th Street
Richmond, Indiana 47374
Phone (765) 962-1023
Fax (765) 962-5274
E-Mail: surveyors@bealsmoore.com



Detail Sheet for West Side Retail

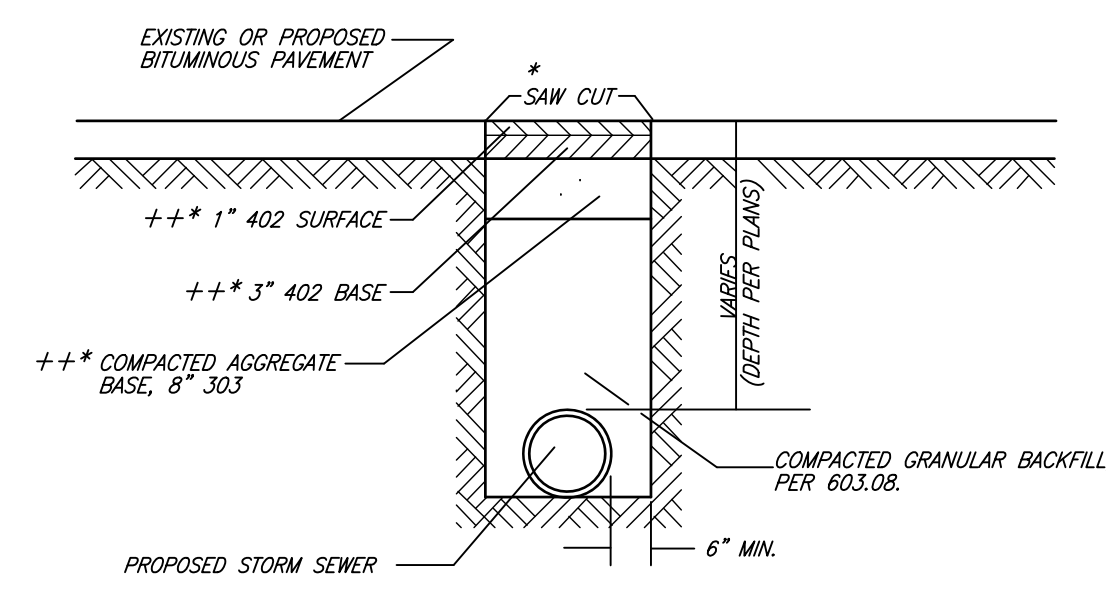
No.	Date	Revision	By	TAT
1	7/2/19	Pre-Bid Meeting Changes		
2				
3				
4				
5				
6				
7				
8				



BACKFILL LEVEL - NO SUBCHARGE CONCRETE OUTLINES

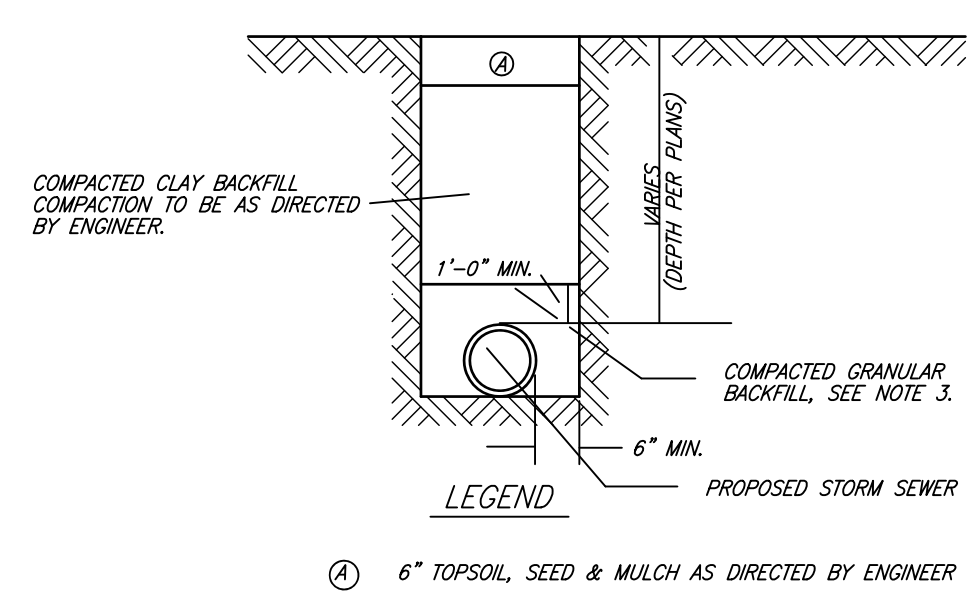
HEIGHT OF WALL - H (FT)	B (FT)	a (FT)	b (FT)	c (FT)
3	1'-9"	0'-10 1/2"	0'-4"	0'-5"
4	2'-2"	0'-11"	0'-5"	0'-10"
5	2'-8"	0'-11"	0'-5"	1'-4"
6	3'-3"	1'-0"	0'-8"	1'-7"
7	3'-10"	1'-0"	1'-0"	1'-9"
8	4'-3"	1'-1"	1'-1"	2'-1"
9	4'-9"	1'-1"	1'-1"	2'-6"
10	5'-4"	1'-2"	1'-4"	2'-10"
11	5'-10"	1'-2"	1'-6"	3'-3"
12	6'-6"	1'-3"	1'-8"	3'-7"
13	7'-0"	1'-4"	1'-8"	4'-0"
14	7'-8"	1'-4"	2'-1"	4'-3"
15	8'-1"	1'-5"	2'-1"	4'-7"
16	8'-6"	1'-5"	2'-2"	4'-11"
17	9'-0"	1'-6"	2'-3"	5'-3"
18	9'-6"	1'-7"	2'-4"	5'-7"
19	10'-2"	1'-7"	2'-6"	6'-0"
20	10'-5"	1'-8"	2'-6"	6'-5"

DETAILS OF CONCRETE RETAINING WALL
Not to Scale



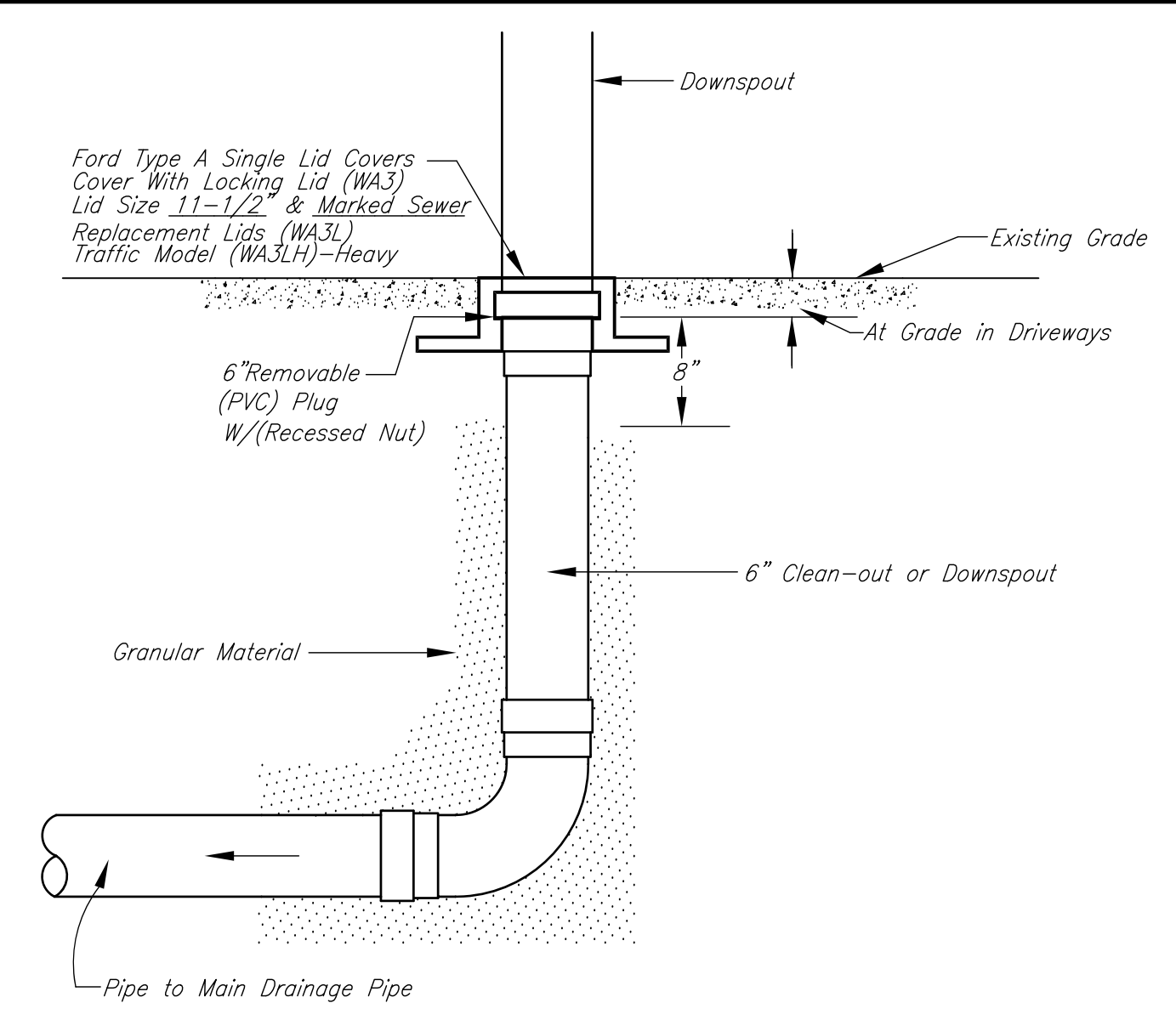
- NOTES**
- ALL WORK AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF INDIANA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS".
 - ALL EXCAVATED AND UNUSED MATERIAL TO BE REMOVED FROM JOB SITE.
 - ITEMS MARKED * ABOVE APPLY TO STREET CROSSING.
 - ALL EXCAVATION, CONSTRUCTION AND RESTORATION MATERIALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT STORM SEWER ITEM.
 - ITEMS MARKED ++ ABOVE SEE PAVEMENT SECTIONS FOR ASPHALT AND AGGREGATE THICKNESSES.

TRENCH BACKFILL DETAIL PAVEMENT AREAS

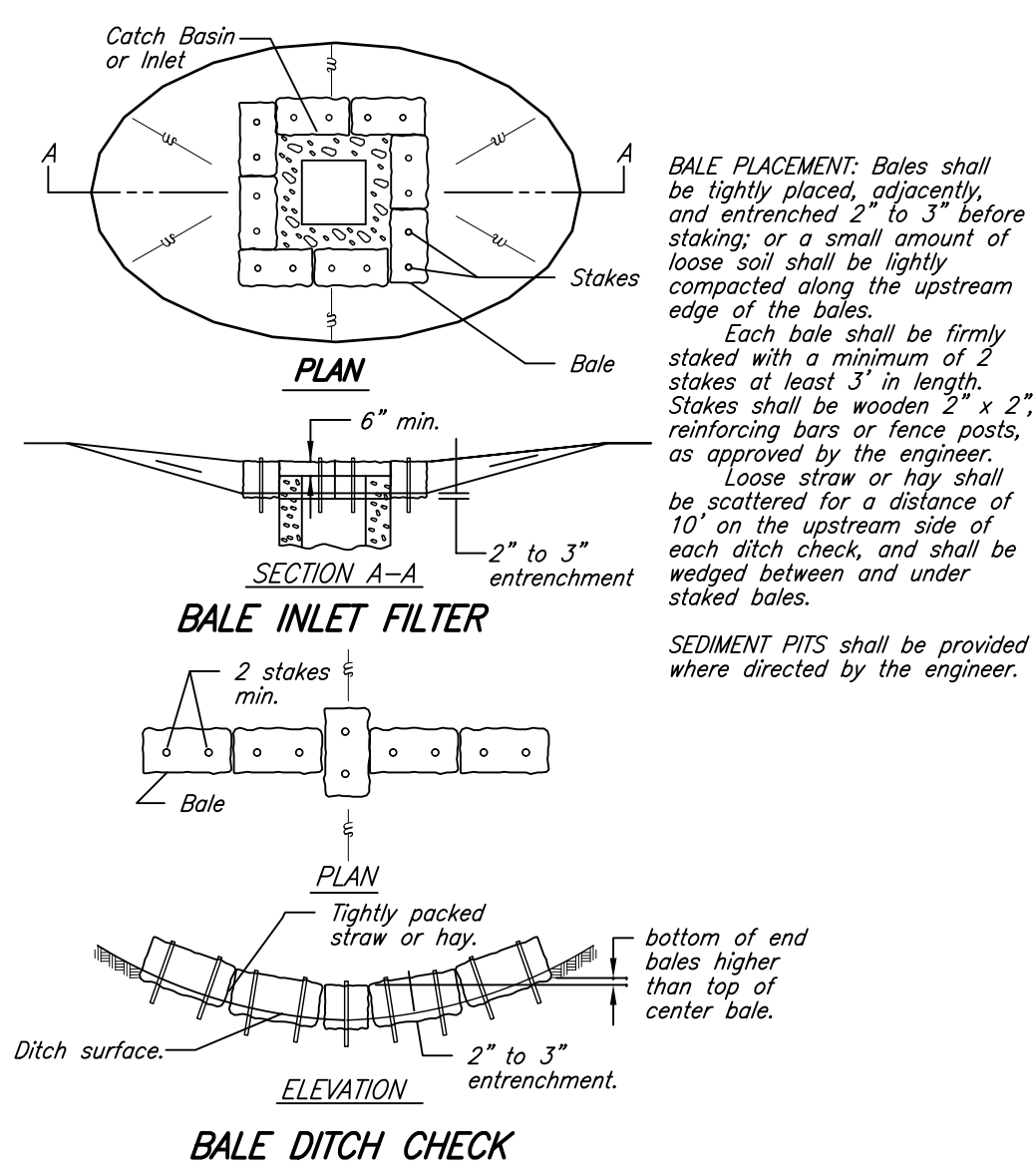


- NOTES**
- ALL WORK AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF INDIANA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS".
 - ALL EXCAVATED AND UNUSED MATERIAL TO BE REMOVED FROM JOB SITE.
 - FILL MATERIAL AROUND PIPE TO BE COMPACTED GRANULAR BACKFILL.
 - ALL EXCAVATION, CONSTRUCTION AND RESTORATION MATERIALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT STORM SEWER ITEM.

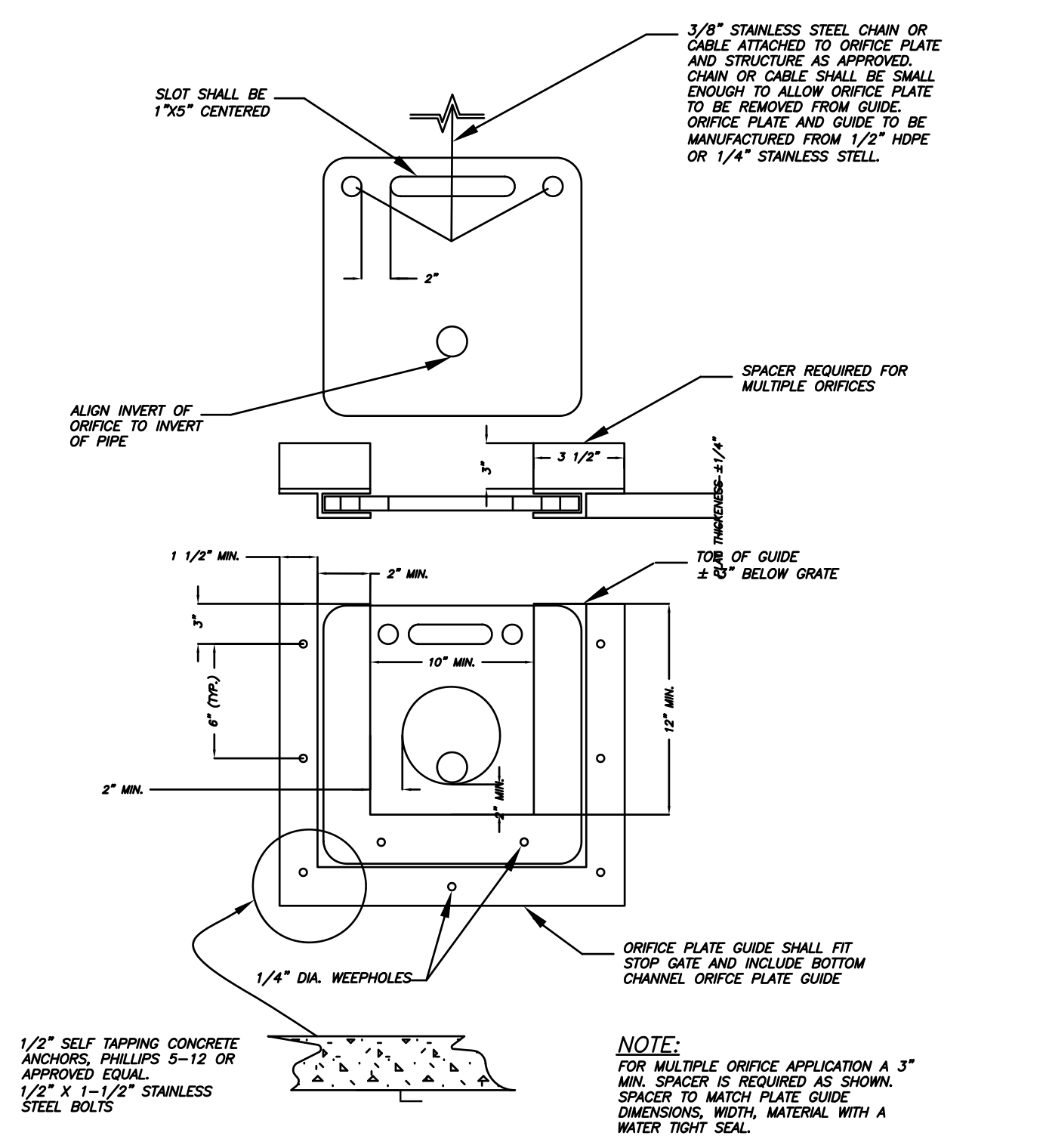
TRENCH BACKFILL DETAIL LAWN AREAS



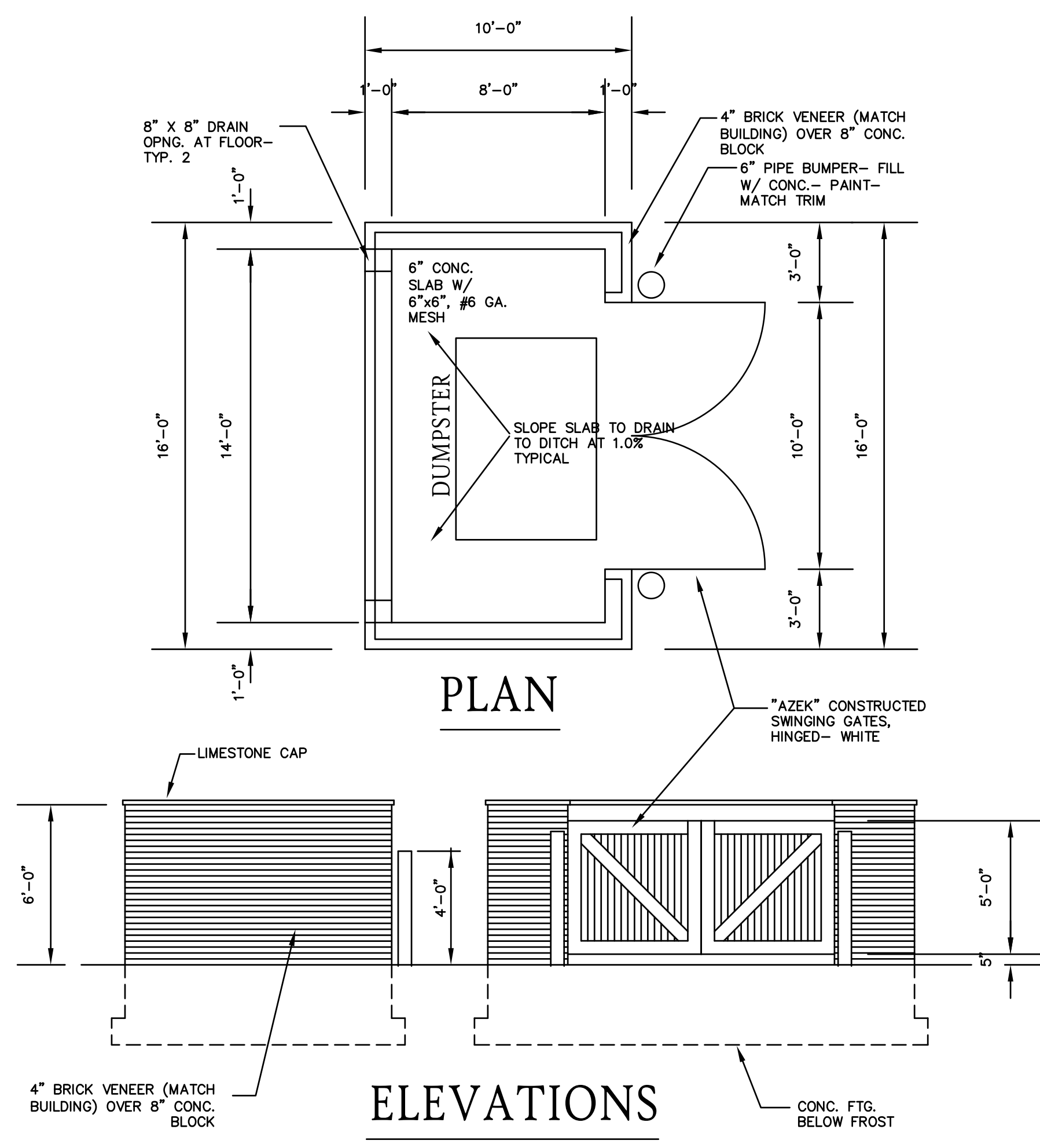
DOWNSPOUT DRAINAGE CONNECTION/CLEAN-OUT



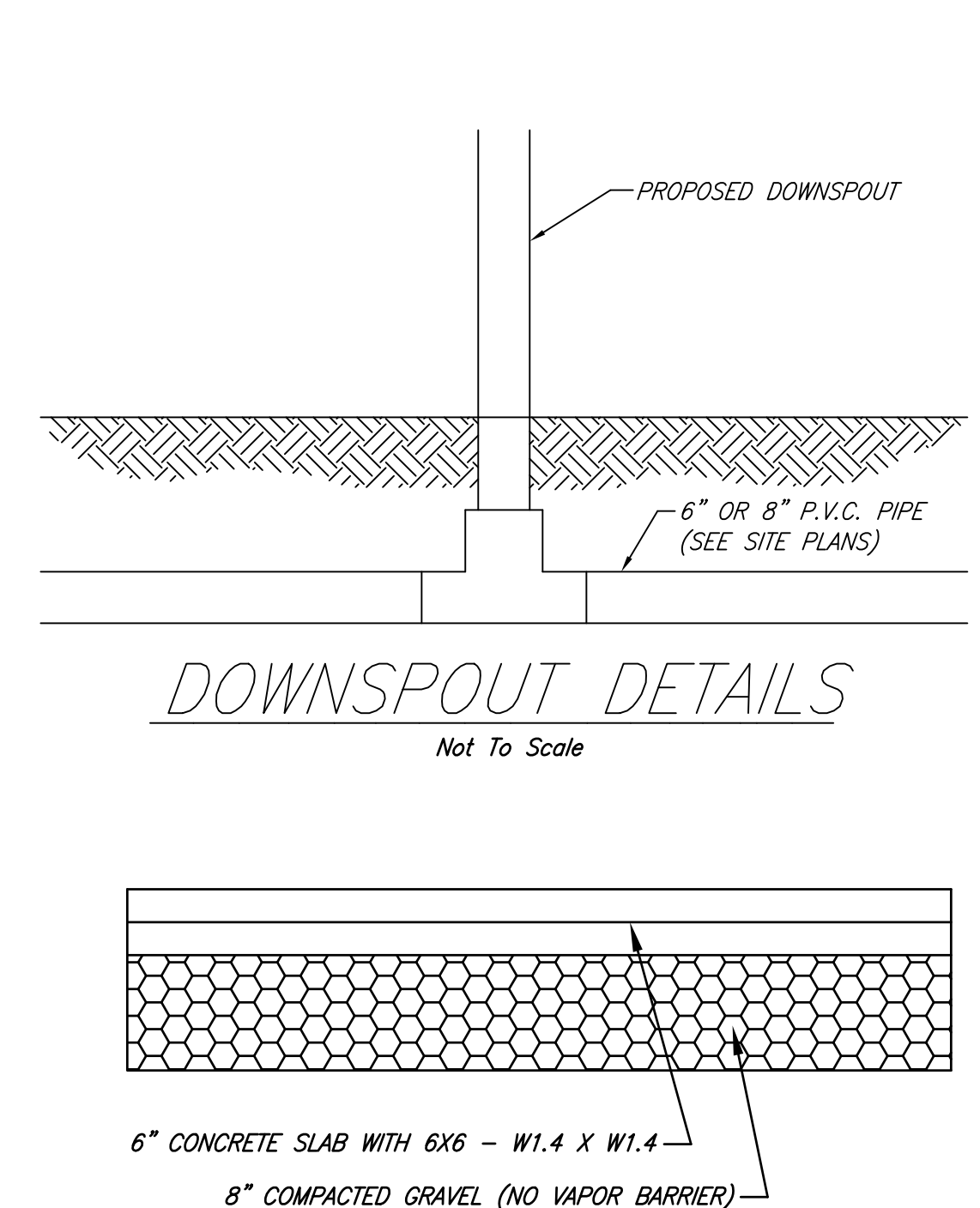
BALE DITCH CHECK EROSION/SEDIMENTATION CONTROL



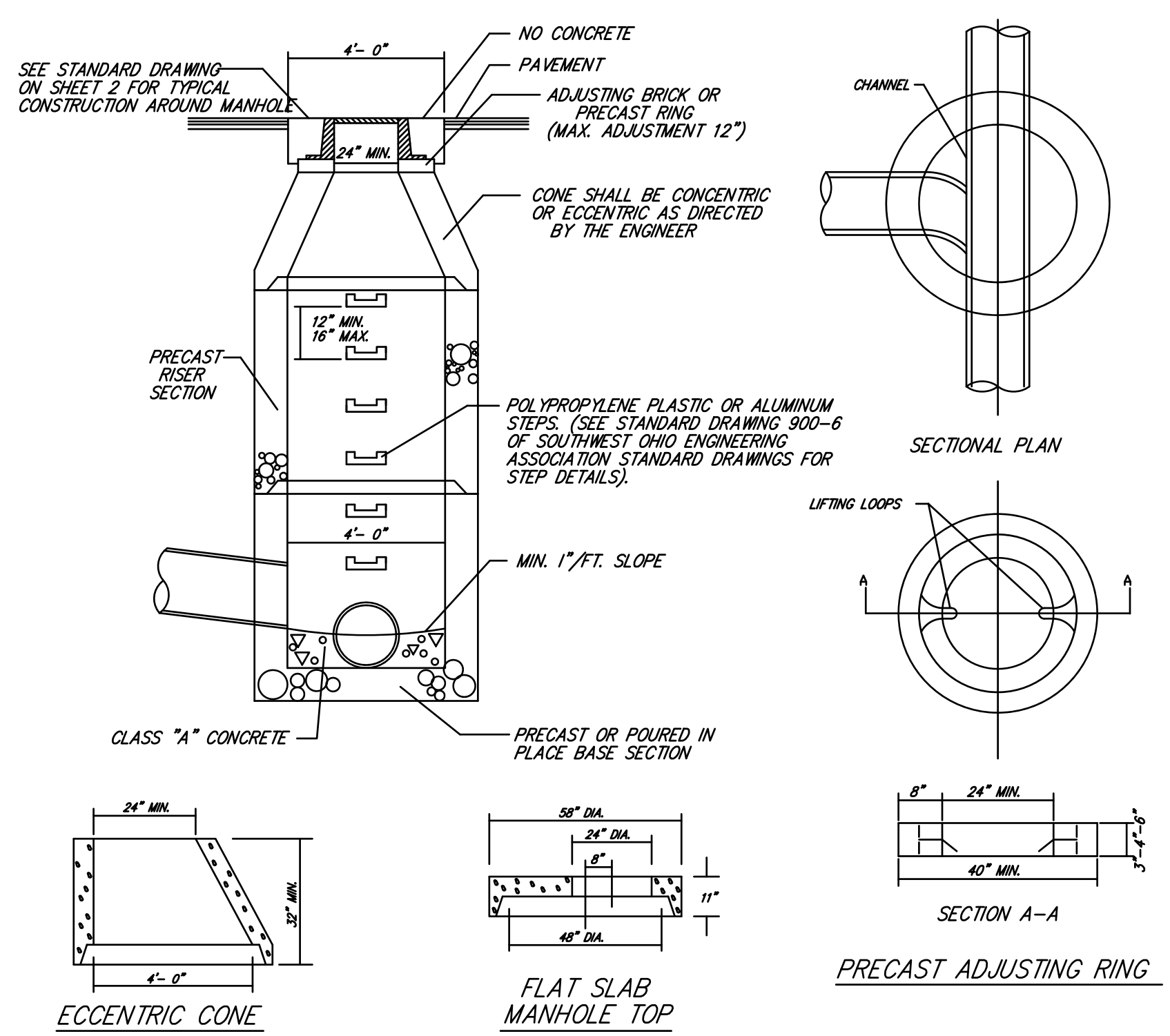
ORIFICE PLATE DETAIL
Not to Scale



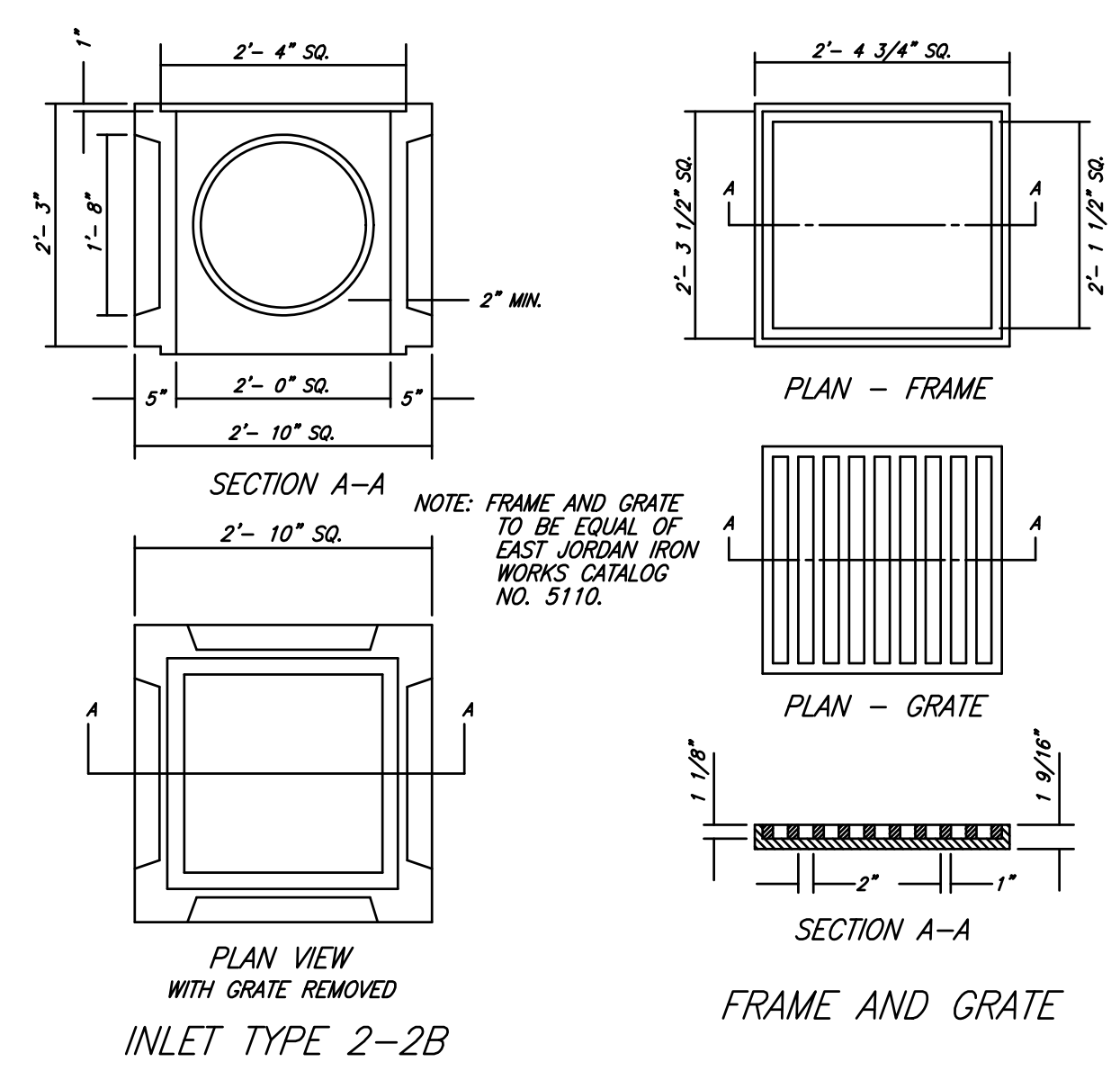
DUMPSTER ENCLOSURE DETAILS
NOT TO SCALE



DUMPSTER CONCRETE DETAIL

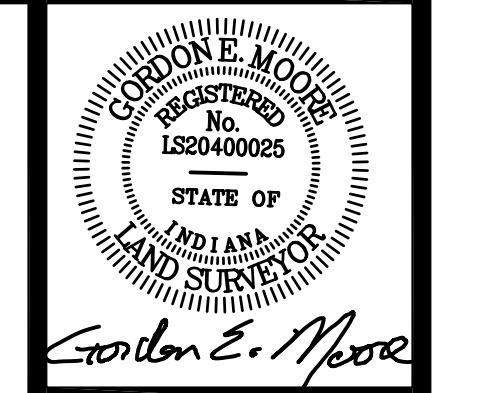


TYPE "A" STORM MANHOLE

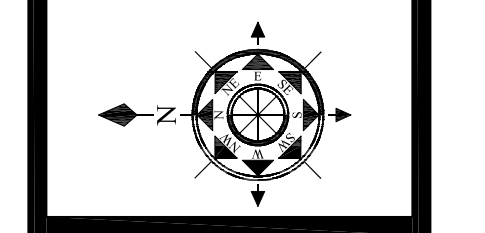


TYPE 2-2B INLET

NOTE: MEENAH R-4857 GRATE MAY BE SUBSTITUTED FOR FRAME AND GRATE SHOWN ABOVE.



Beals-Moore & Associates, Inc.
122 South 8th Street
Richmond, Indiana 47374
Phone (765) 962-1023
Fax (765) 962-5274
E-Mail: surveyors@bealsmoore.com



Detail Sheet for West Side Retail

No.	Date	Field Draw	Revision	By	TAT
1	1 Aug 2021	Keith Fielden	Pre-Bid Meeting Changes		
2	7 Feb 2022	Keith Fielden	Changes		
3	2021-01-17	Compared By			
4		Drawn By			
5		Checked By			
6		Scale			
7		Vert. Scale			
8		Plot Number			