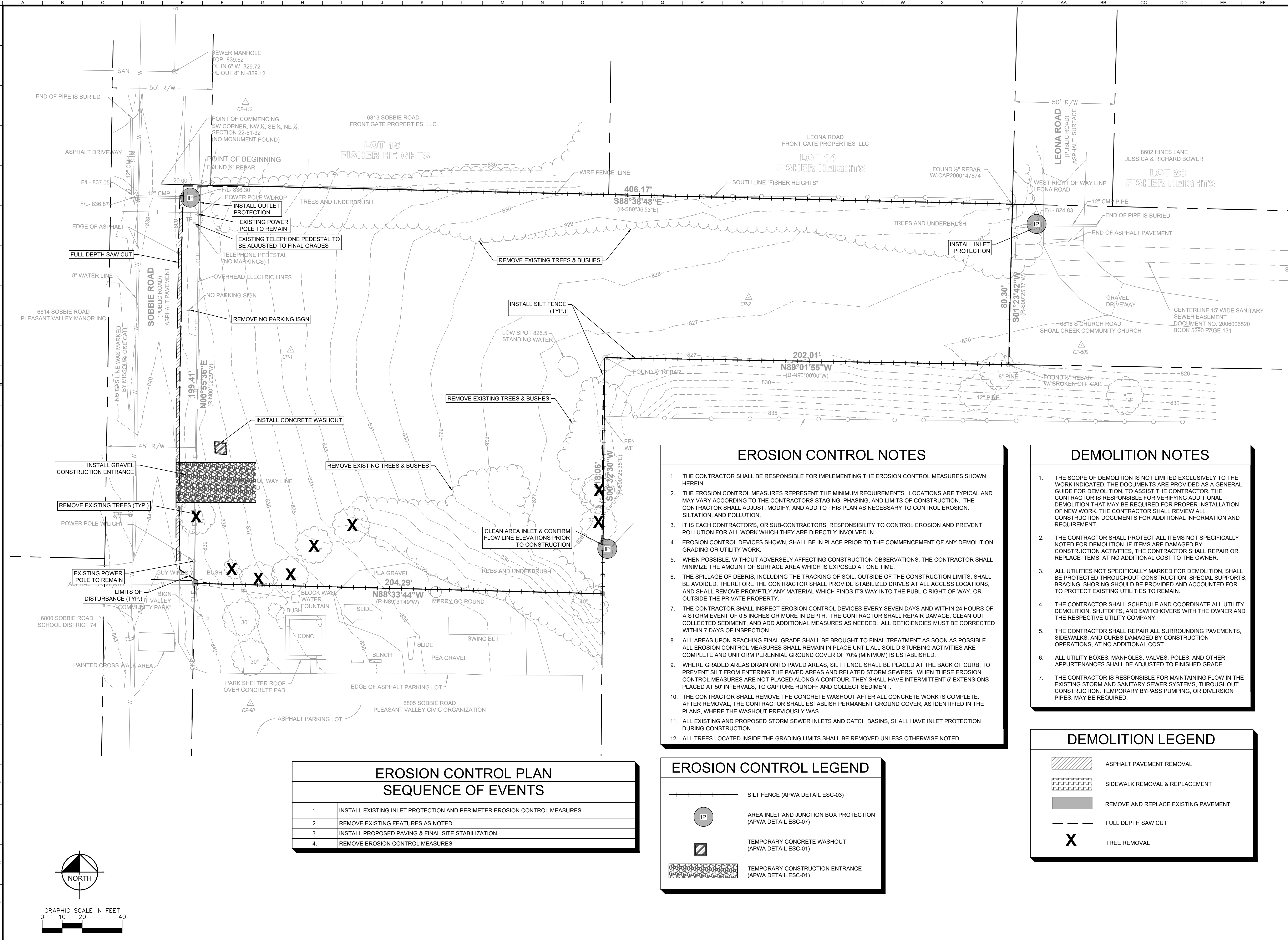






Drawing name: K:\VNC\DEV\16891001\_PV Ahhelic Building\2 Design\CAD\PlanSheets\C101 - DEMOLITION & EROSION CONTROL PLAN.dwg Layout1 Jan 26, 2022 3:13pm by: Arin Tibben  
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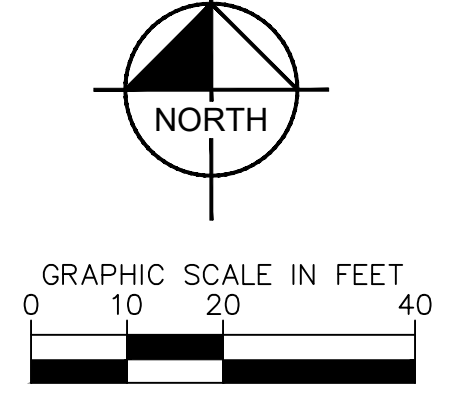
EROSION CONTROL PLAN SEQUENCE OF EVENTS	
1.	INSTALL EXISTING INLET PROTECTION AND PERIMETER EROSION CONTROL MEASURES
2.	REMOVE EXISTING FEATURES AS NOTED
3.	INSTALL PROPOSED PAVING & FINAL SITE STABILIZATION
4.	REMOVE EROSION CONTROL MEASURES

EROSION CONTROL NOTES	
1.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE EROSION CONTROL MEASURES SHOWN HEREIN.
2.	THE EROSION CONTROL MEASURES REPRESENT THE MINIMUM REQUIREMENTS. LOCATIONS ARE TYPICAL AND MAY VARY ACCORDING TO THE CONTRACTORS STAGING, PHASING, AND LIMITS OF CONSTRUCTION. THE CONTRACTOR SHALL ADJUST, MODIFY, AND ADD TO THIS PLAN AS NECESSARY TO CONTROL EROSION, SILTATION, AND POLLUTION.
3.	IT IS EACH CONTRACTOR'S, OR SUB-CONTRACTORS, RESPONSIBILITY TO CONTROL EROSION AND PREVENT POLLUTION FOR ALL WORK WHICH THEY ARE DIRECTLY INVOLVED IN.
4.	EROSION CONTROL DEVICES SHOWN, SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION, GRADING OR UTILITY WORK.
5.	WHEN POSSIBLE, WITHOUT ADVERSELY AFFECTING CONSTRUCTION OBSERVATIONS, THE CONTRACTOR SHALL MINIMIZE THE AMOUNT OF SURFACE AREA WHICH IS EXPOSED AT ONE TIME.
6.	THE SPILLAGE OF DEBRIS, INCLUDING THE TRACKING OF SOIL, OUTSIDE OF THE CONSTRUCTION LIMITS, SHALL BE AVOIDED. THEREFORE THE CONTRACTOR SHALL PROVIDE STABILIZED DRIVES AT ALL ACCESS LOCATIONS, AND SHALL REMOVE PROMPTLY ANY MATERIAL WHICH FINDS ITS WAY INTO THE PUBLIC RIGHT-OF-WAY, OR OUTSIDE THE PRIVATE PROPERTY.
7.	THE CONTRACTOR SHALL INSPECT EROSION CONTROL DEVICES EVERY SEVEN DAYS AND WITHIN 24 HOURS OF A STORM EVENT OF 0.5 INCHES OR MORE IN DEPTH. THE CONTRACTOR SHALL REPAIR DAMAGE, CLEAN OUT COLLECTED SEDIMENT, AND ADD ADDITIONAL MEASURES AS NEEDED. ALL DEFICIENCIES MUST BE CORRECTED WITHIN 7 DAYS OF INSPECTION.
8.	ALL AREAS UPON REACHING FINAL GRADE SHALL BE BROUGHT TO FINAL TREATMENT AS SOON AS POSSIBLE. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ALL SOIL DISTURBING ACTIVITIES ARE COMPLETE AND UNIFORM PERENNIAL GROUND COVER OF 70% (MINIMUM) IS ESTABLISHED.
9.	WHERE GRADED AREAS DRAIN ONTO PAVED AREAS, SILT FENCE SHALL BE PLACED AT THE BACK OF CURB, TO PREVENT SILT FROM ENTERING THE PAVED AREAS AND RELATED STORM SEWERS. WHEN THESE EROSION CONTROL MEASURES ARE NOT PLACED ALONG A CONTOUR, THEY SHALL HAVE INTERMITTENT 5' EXTENSIONS PLACED AT 50' INTERVALS, TO CAPTURE RUNOFF AND COLLECT SEDIMENT.
10.	THE CONTRACTOR SHALL REMOVE THE CONCRETE WASHOUT AFTER ALL CONCRETE WORK IS COMPLETE. AFTER REMOVAL, THE CONTRACTOR SHALL ESTABLISH PERMANENT GROUND COVER, AS IDENTIFIED IN THE PLANS, WHERE THE WASHOUT PREVIOUSLY WAS.
11.	ALL EXISTING AND PROPOSED STORM SEWER INLETS AND CATCH BASINS, SHALL HAVE INLET PROTECTION DURING CONSTRUCTION.
12.	ALL TREES LOCATED INSIDE THE GRADING LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED.

DEMOLITION NOTES	
1.	THE SCOPE OF DEMOLITION IS NOT LIMITED EXCLUSIVELY TO THE WORK INDICATED. THE DOCUMENTS ARE PROVIDED AS A GENERAL GUIDE FOR DEMOLITION. TO ASSIST THE CONTRACTOR, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ADDITIONAL DEMOLITION THAT MAY BE REQUIRED FOR PROPER INSTALLATION OF NEW WORK. THE CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS FOR ADDITIONAL INFORMATION AND REQUIREMENT.
2.	THE CONTRACTOR SHALL PROTECT ALL ITEMS NOT SPECIFICALLY NOTED FOR DEMOLITION. IF ITEMS ARE DAMAGED BY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL REPAIR OR REPLACE ITEMS, AT NO ADDITIONAL COST TO THE OWNER.
3.	ALL UTILITIES NOT SPECIFICALLY MARKED FOR DEMOLITION, SHALL BE PROTECTED THROUGHOUT CONSTRUCTION. SPECIAL SUPPORTS, BRACING, SHORING SHOULD BE PROVIDED AND ACCOUNTED FOR TO PROTECT EXISTING UTILITIES TO REMAIN.
4.	THE CONTRACTOR SHALL SCHEDULE AND COORDINATE ALL UTILITY DEMOLITION, SHUTOFFS, AND SWITCHOVERS WITH THE OWNER AND THE RESPECTIVE UTILITY COMPANY.
5.	THE CONTRACTOR SHALL REPAIR ALL SURROUNDING PAVEMENTS, SIDEWALKS, AND CURBS DAMAGED BY CONSTRUCTION OPERATIONS, AT NO ADDITIONAL COST.
6.	ALL UTILITY BOXES, MANHOLES, VALVES, POLES, AND OTHER APPURTENANCES SHALL BE ADJUSTED TO FINISHED GRADE.
7.	THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING FLOW IN THE EXISTING STORM AND SANITARY SEWER SYSTEMS, THROUGHOUT CONSTRUCTION. TEMPORARY BYPASS PUMPING, OR DIVERSION PIPES, MAY BE REQUIRED.

EROSION CONTROL LEGEND	
	SILT FENCE (APWA DETAIL ESC-03)
	AREA INLET AND JUNCTION BOX PROTECTION (APWA DETAIL ESC-07)
	TEMPORARY CONCRETE WASHOUT (APWA DETAIL ESC-01)
	TEMPORARY CONSTRUCTION ENTRANCE (APWA DETAIL ESC-01)

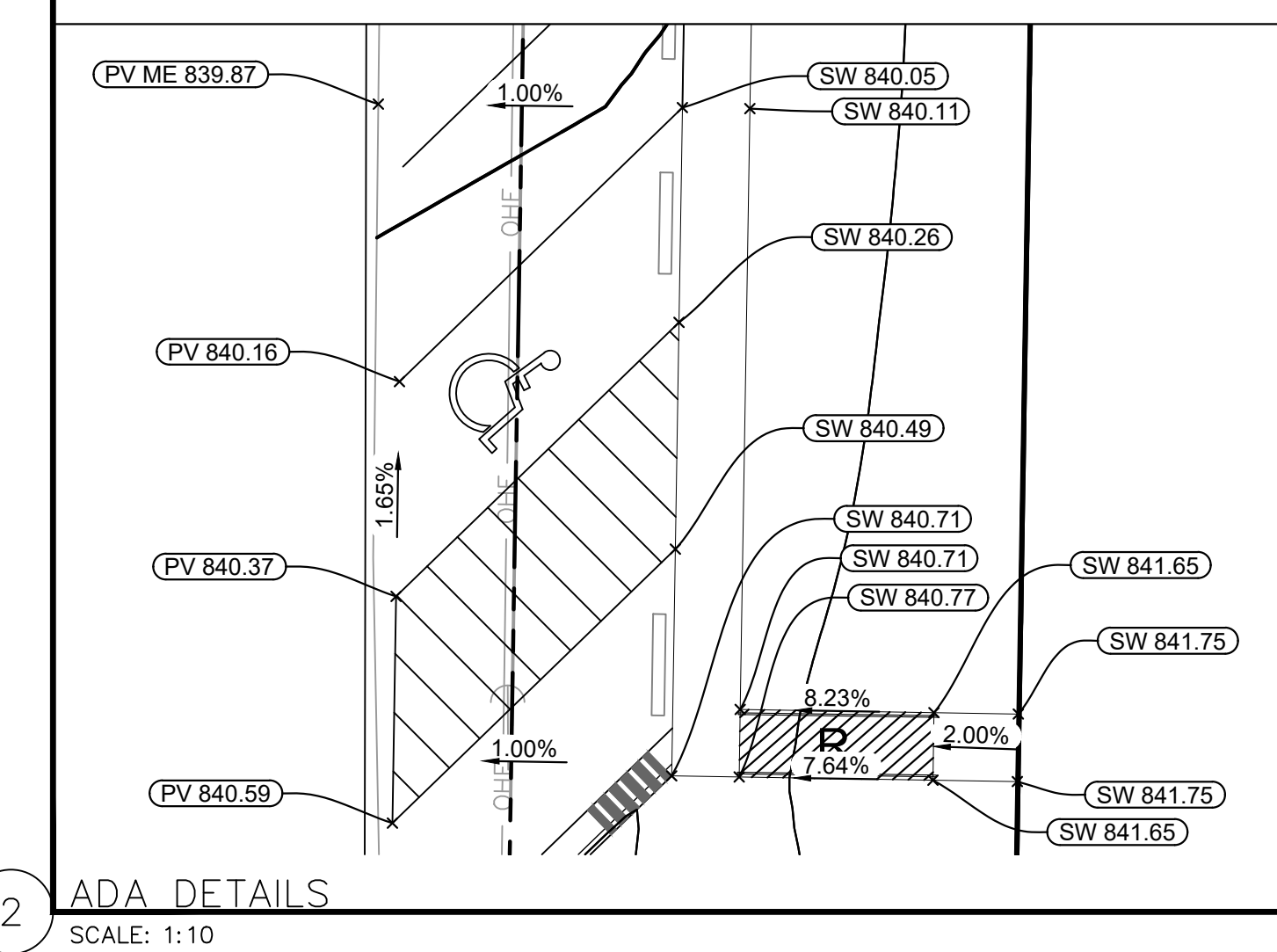
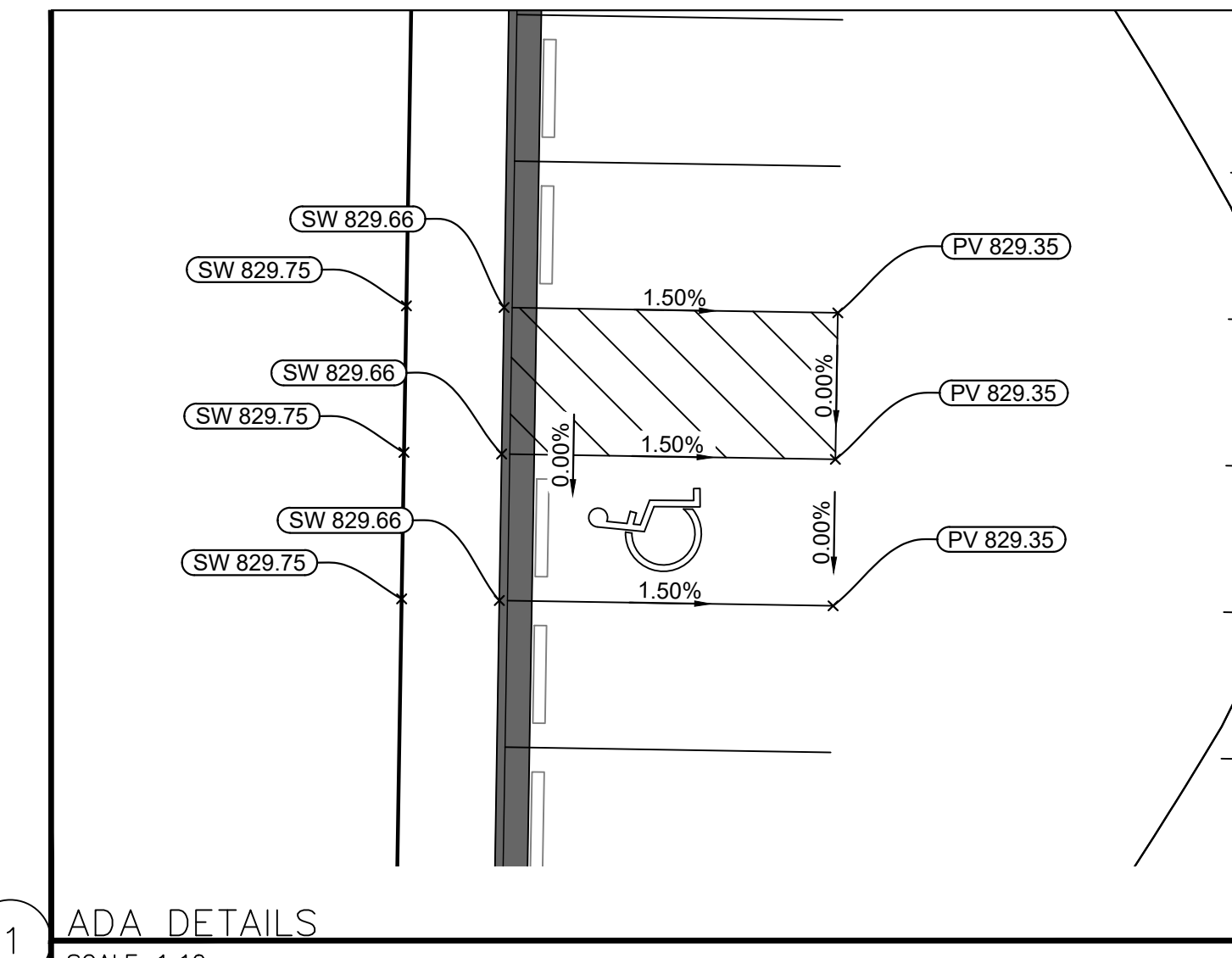
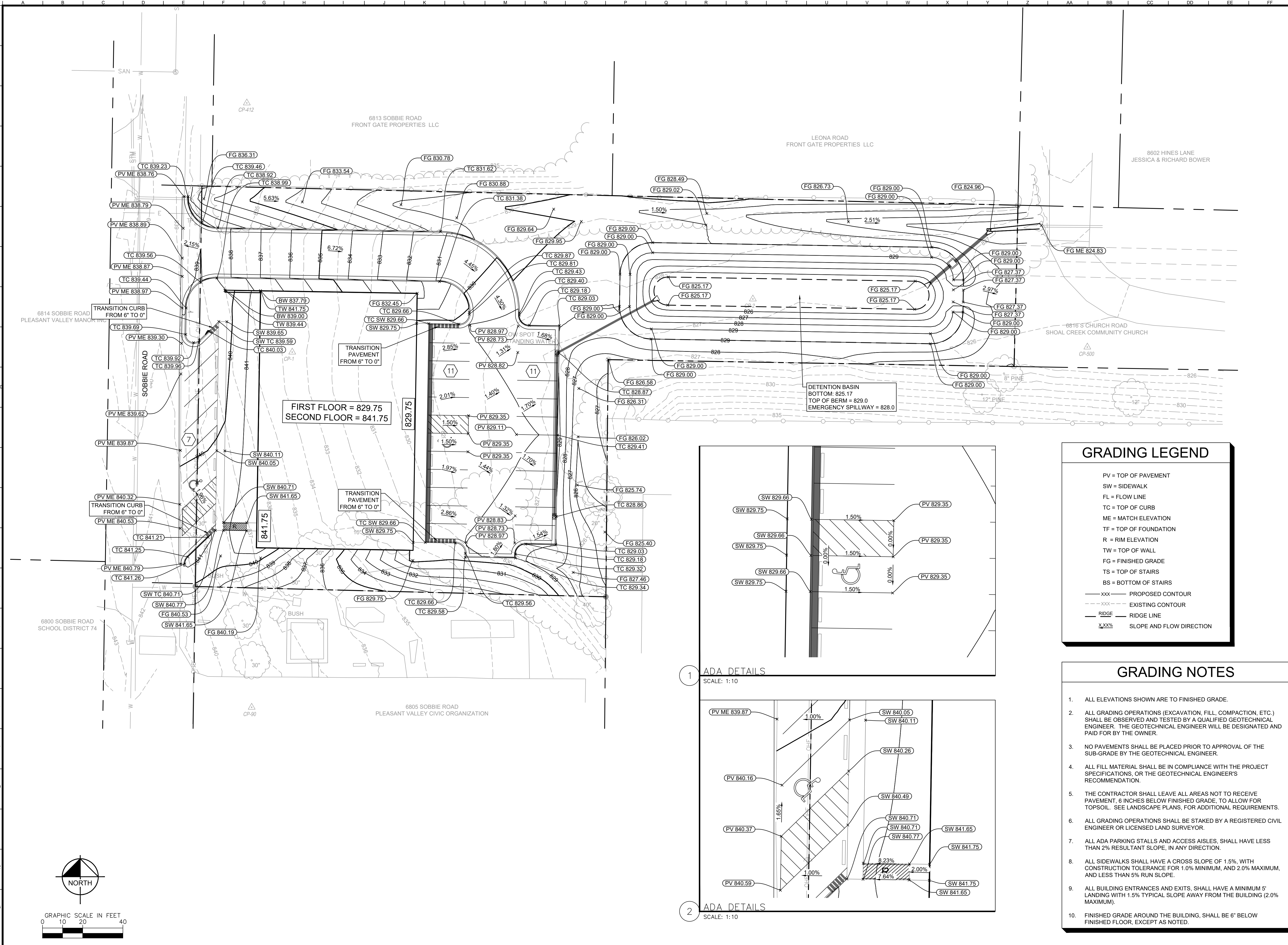
DEMOLITION LEGEND	
	ASPHALT PAVEMENT REMOVAL
	SIDEWALK REMOVAL & REPLACEMENT
	REMOVE AND REPLACE EXISTING PAVEMENT
	FULL DEPTH SAW CUT
	TREE REMOVAL



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SCALE: AS NOTED	DESIGNED BY: ART	DRAWN BY: ART	CHECKED BY: PND						
<p style="font-size: large; font-weight: bold;">PRIDE FITNESS</p> <p style="font-size: small;">SOBBIE ROAD PLEASANT VALLEY, MISSOURI, CODE</p>	<p style="font-size: small;">ORIGINAL ISSUE: 01/28/2022 KHA PROJECT NO. 168981001 SHEET NUMBER  <b>C101</b></p>								



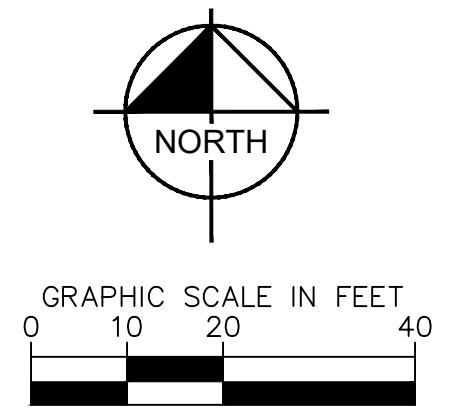
Drawing name: K:\VNC\DEV\168981001\_PV Abbelec Building\2 Design\CAD\PlanSheets\C301 - GRADING PLAN.dwg Layout: Jan 26, 2022, 3:13pm by: Arin.Tieken  
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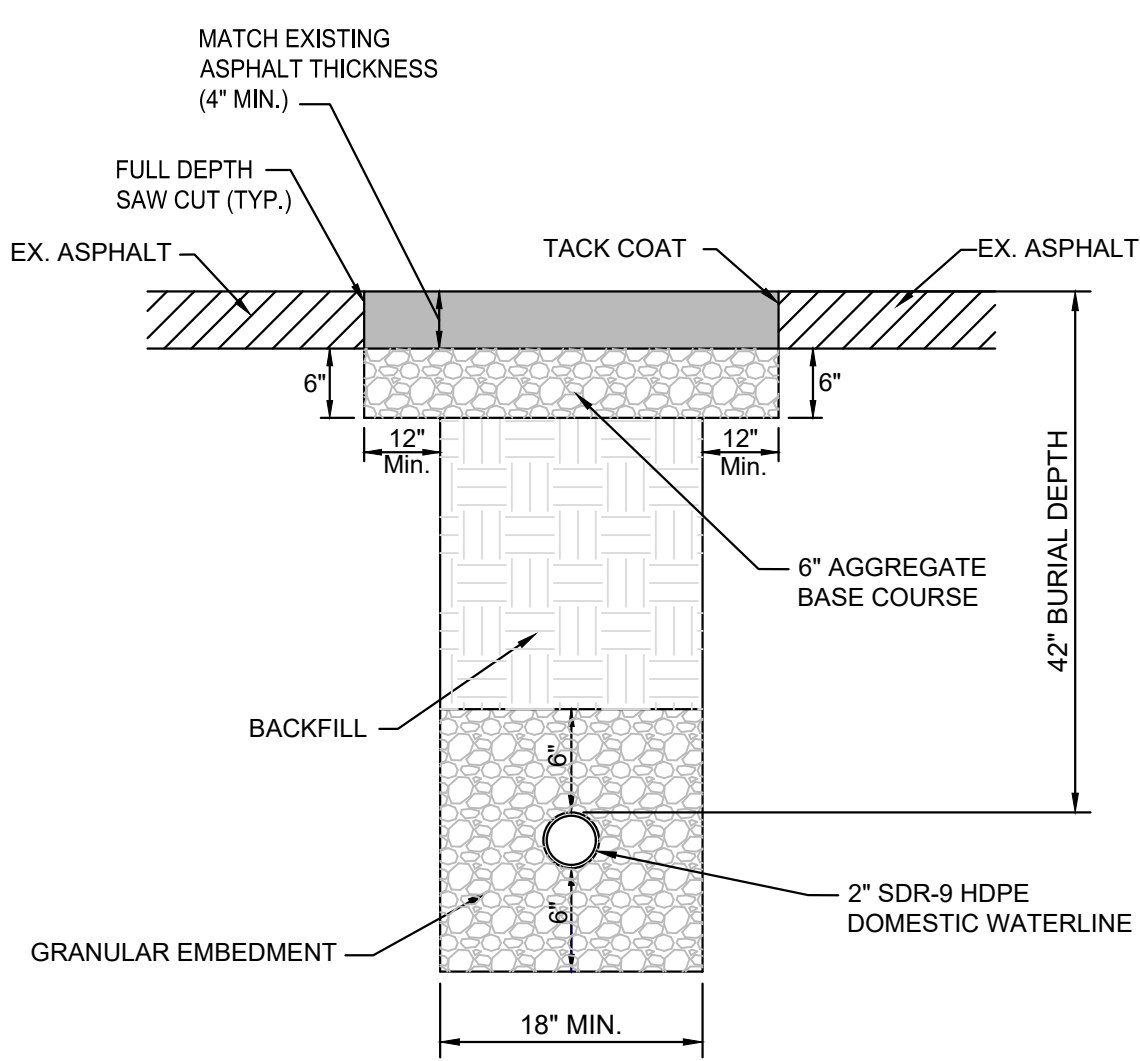
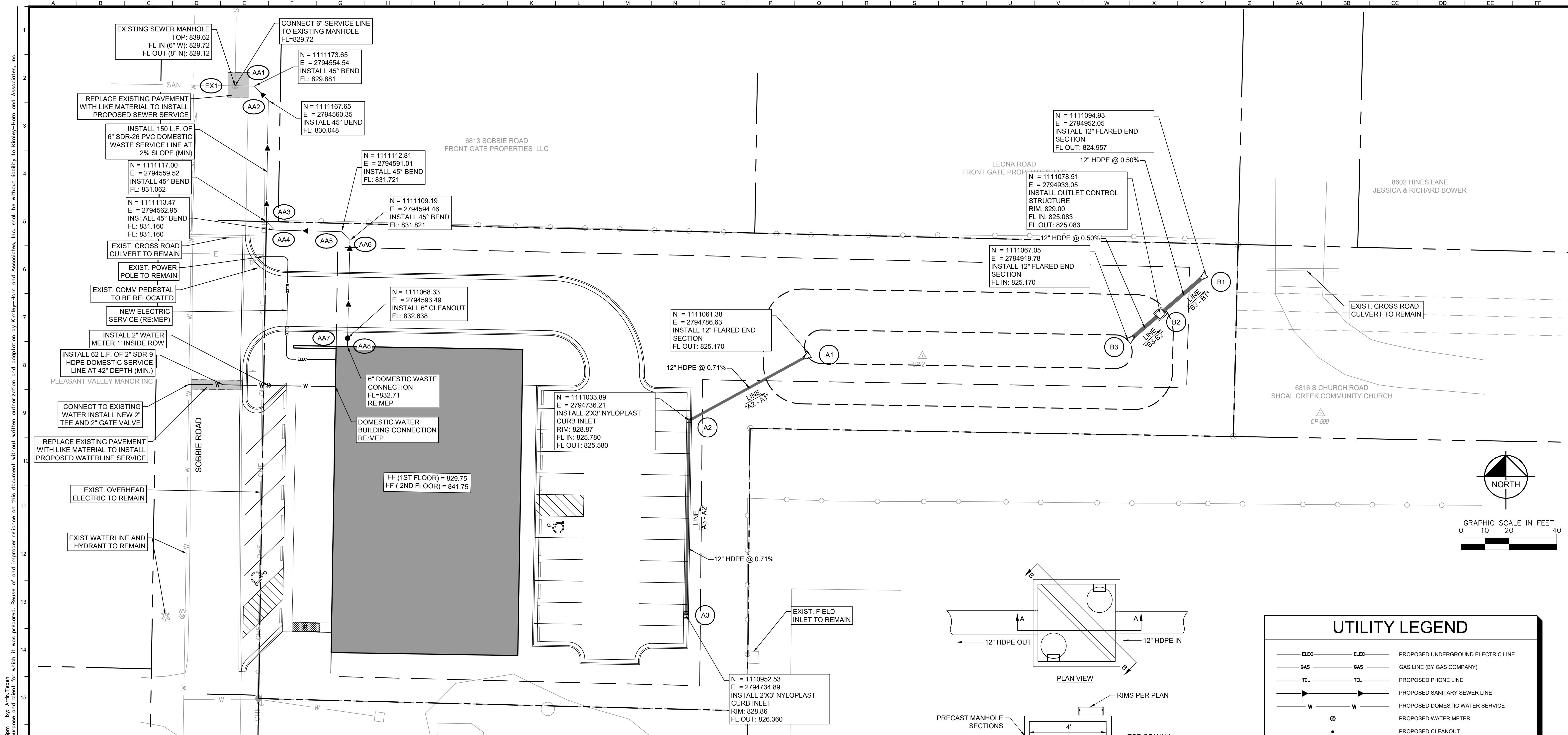
### GRADING LEGEND

PV =	TOP OF PAVEMENT
SW =	SIDEWALK
FL =	FLOW LINE
TC =	TOP OF CURB
ME =	MATCH ELEVATION
TF =	TOP OF FOUNDATION
R =	RIM ELEVATION
TW =	TOP OF WALL
FG =	FINISHED GRADE
TS =	TOP OF STAIRS
BS =	BOTTOM OF STAIRS
---	PROPOSED CONTOUR
---	EXISTING CONTOUR
---	RIDGE
X---	SLOPE AND FLOW DIRECTION

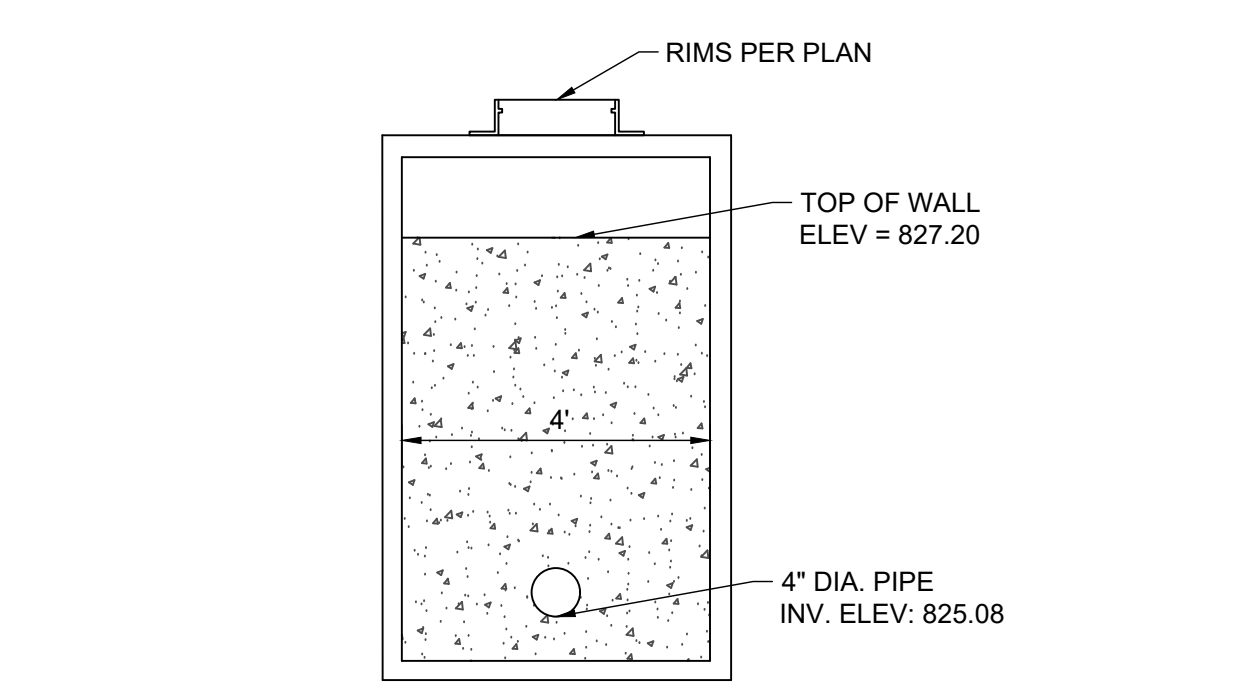
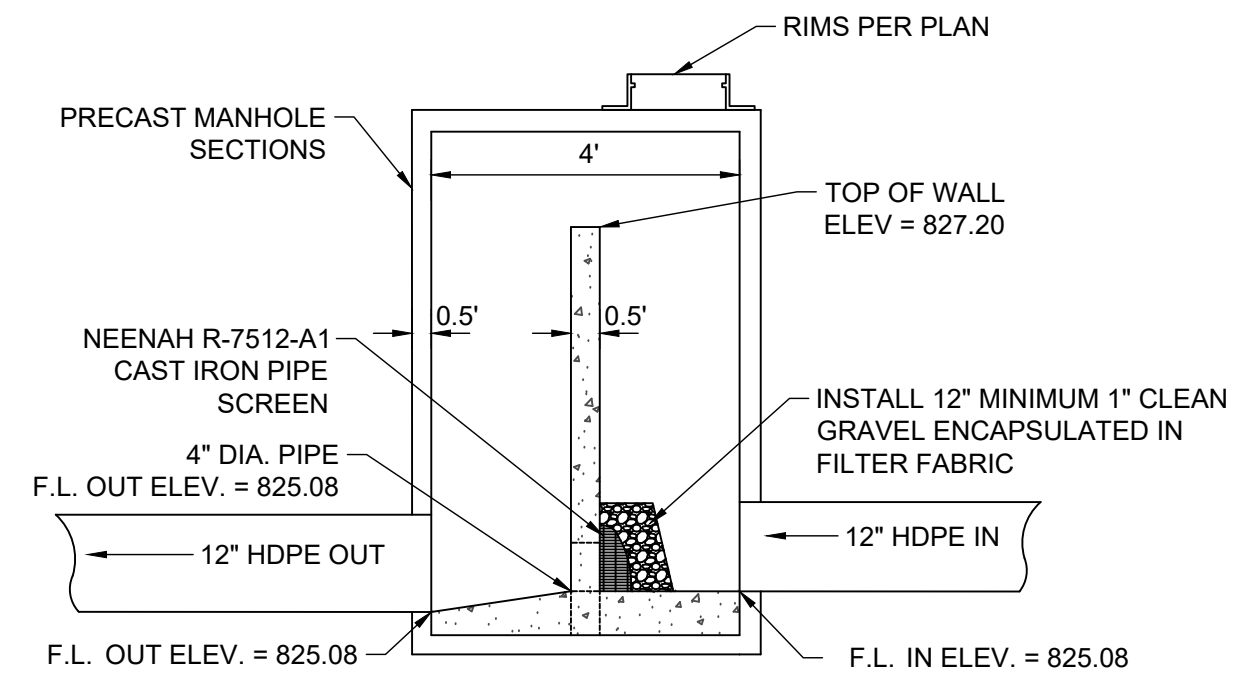
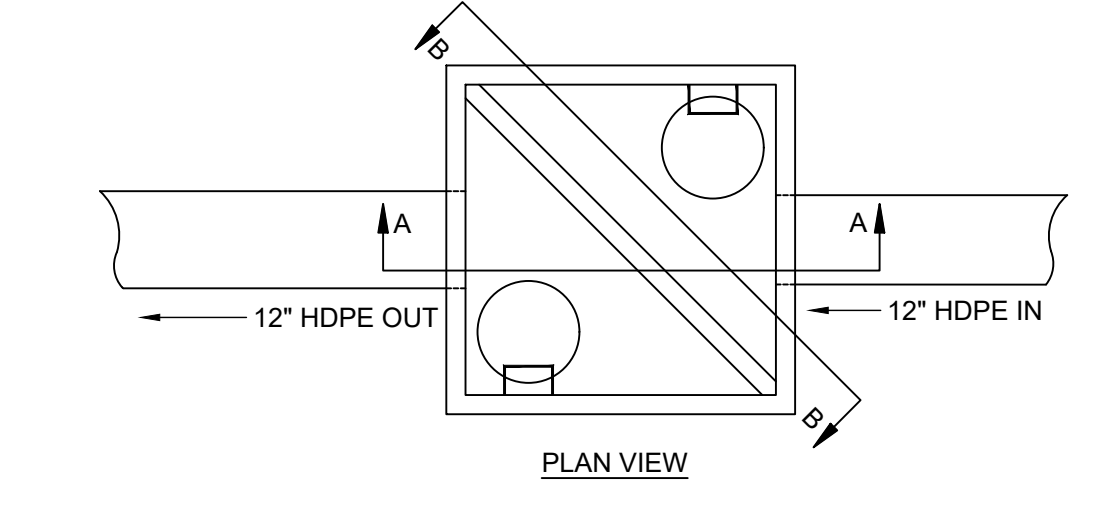
- ### GRADING NOTES
- ALL ELEVATIONS SHOWN ARE TO FINISHED GRADE.
  - ALL GRADING OPERATIONS (EXCAVATION, FILL, COMPACTION, ETC.) SHALL BE OBSERVED AND TESTED BY A QUALIFIED GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINEER WILL BE DESIGNATED AND PAID FOR BY THE OWNER.
  - NO PAVEMENTS SHALL BE PLACED PRIOR TO APPROVAL OF THE SUB-GRADE BY THE GEOTECHNICAL ENGINEER.
  - ALL FILL MATERIAL SHALL BE IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS, OR THE GEOTECHNICAL ENGINEER'S RECOMMENDATION.
  - THE CONTRACTOR SHALL LEAVE ALL AREAS NOT TO RECEIVE PAVEMENT, 6 INCHES BELOW FINISHED GRADE, TO ALLOW FOR TOPSOIL. SEE LANDSCAPE PLANS, FOR ADDITIONAL REQUIREMENTS.
  - ALL GRADING OPERATIONS SHALL BE STAKED BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR.
  - ALL ADA PARKING STALLS AND ACCESS AISLES, SHALL HAVE LESS THAN 2% RESULTANT SLOPE, IN ANY DIRECTION.
  - ALL SIDEWALKS SHALL HAVE A CROSS SLOPE OF 1.5%, WITH CONSTRUCTION TOLERANCE FOR 1.0% MINIMUM, AND 2.0% MAXIMUM, AND LESS THAN 5% RUN SLOPE.
  - ALL BUILDING ENTRANCES AND EXITS, SHALL HAVE A MINIMUM 5' LANDING WITH 1.5% TYPICAL SLOPE AWAY FROM THE BUILDING (2.0% MAXIMUM).
  - FINISHED GRADE AROUND THE BUILDING, SHALL BE 6" BELOW FINISHED FLOOR, EXCEPT AS NOTED.



<h2 style="margin: 0;">GRADING PLAN</h2>	<h2 style="margin: 0;">PRIDE FITNESS</h2> <p style="font-size: small; margin: 0;">SOBBIE ROAD PLEASANT VALLEY, MISSOURI, CODE</p>
<p style="font-size: x-small; margin: 0;">SCALE: AS NOTED</p> <p style="font-size: x-small; margin: 0;">DESIGNED BY: ART</p> <p style="font-size: x-small; margin: 0;">DRAWN BY: ART</p> <p style="font-size: x-small; margin: 0;">CHECKED BY: PND</p>	<p style="font-size: x-small; margin: 0;">NO. _____</p> <p style="font-size: x-small; margin: 0;">DATE _____</p> <p style="font-size: x-small; margin: 0;">BY _____</p>
<p style="font-size: x-small; margin: 0;"> <b>Kimley-Horn</b>  <small>© 2021 KIMLEY-HORN AND ASSOCIATES, INC.          1828 WALNUT STREET, SUITE 04-101          WASHINGTON, MISSOURI 63090          WWW.KIMLEY-HORN.COM          PHONE: 616-482-6300          FAX: 616-482-6301          EXP. 12/31/21</small> </p>	
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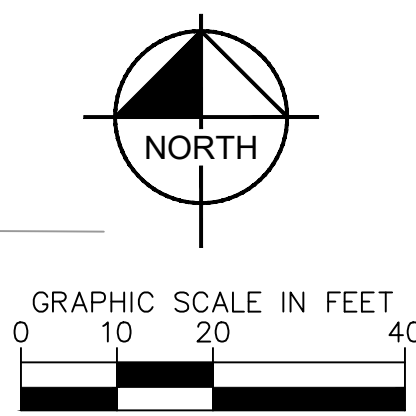
**2" DOMESTIC WATER TRENCH DETAIL**



**OUTLET CONTROL STRUCTURE DETENTION POND**

UTILITY LEGEND		
	ELEC	PROPOSED UNDERGROUND ELECTRIC LINE
	GAS	GAS LINE (BY GAS COMPANY)
	TEL	PROPOSED PHONE LINE
		PROPOSED SANITARY SEWER LINE
		PROPOSED DOMESTIC WATER SERVICE
		PROPOSED WATER METER
		PROPOSED CLEANOUT

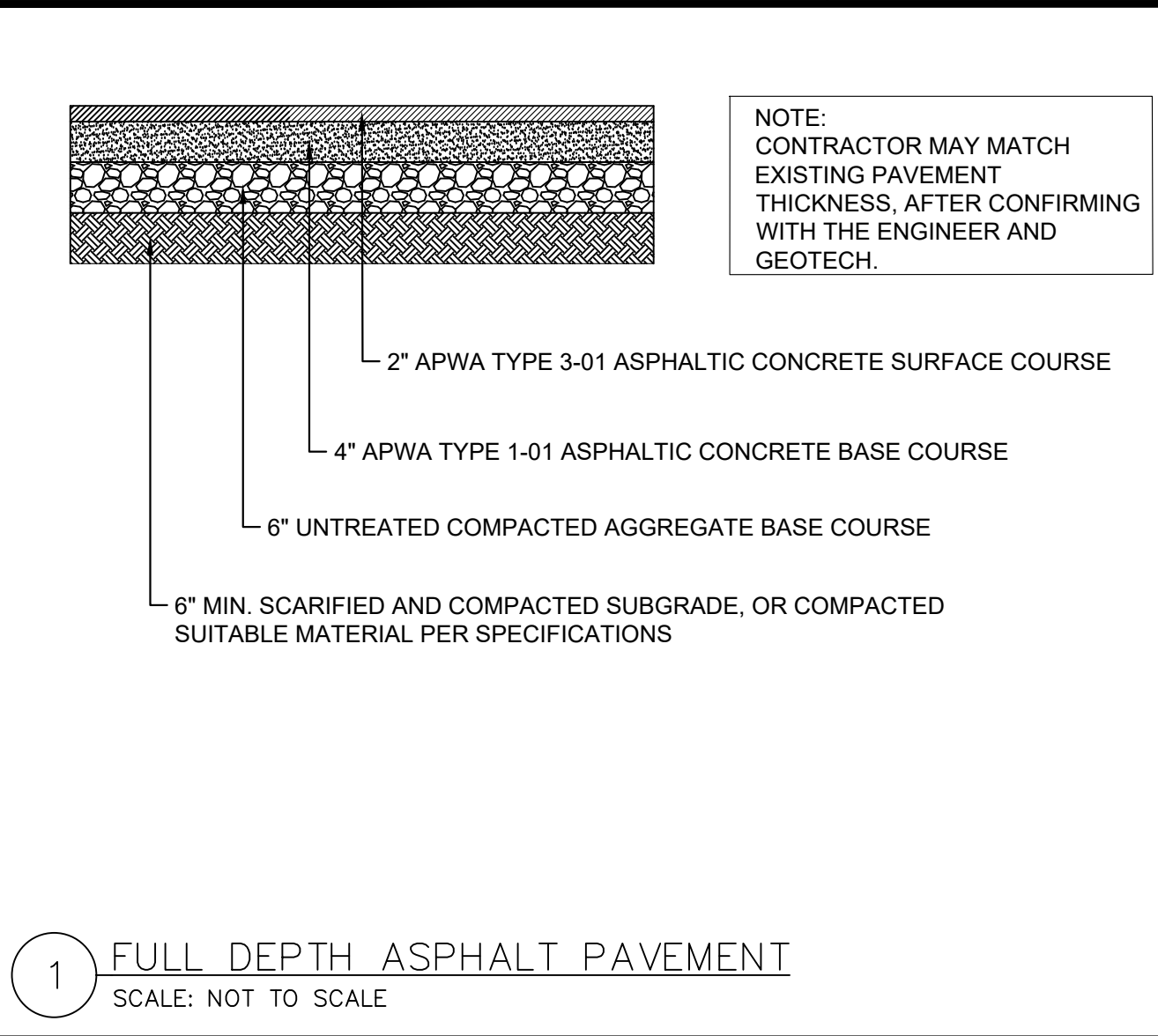
- ### UTILITY NOTES
- ALL SANITARY SEWER LINES SHALL BE PVC MEETING, ASTM D-3034 SDR 26 EXCEPT FOR SANITARY SEWER THAT CROSSES ABOVE WATER MAIN. THIS PIPE SHALL BE AWWA C900 (UNLESS WATER MAIN CASING IS UTILIZED). PROVIDE 42" MINIMUM COVER.
  - CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
  - ALL ELECTRIC, GAS, AND TELEPHONE EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.
  - CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIED BY THE ENGINEER.
  - CONTRACTOR TO CALL "MISSOURI ONE-CALL" (1-800-DIG-RITE) TO COORDINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS OR COMMENCING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
  - PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OTHER UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM THE ENGINEER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. THE ENGINEER AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION. THE MUNICIPALITY SHALL BE NOTIFIED OF ANY AND ALL CHANGES TO THE DESIGN PLANS.
  - CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED TO, ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS REQUIRED BY OSHA.
  - CONTRACTOR TO AVOID DISRUPTION OF ANY ADJACENT TENANTS TRAFFIC OPERATIONS DURING INSTALLATION OF UTILITIES.
  - ALL DIMENSIONS ARE TO CENTERLINE OF PIPE OR CENTER OF MANHOLE.
  - SEE ARCHITECTURAL AND MEP PLANS FOR EXACT UTILITY CONNECTION LOCATIONS AT BUILDING.
  - STORMWATER FACILITIES MUST BE FUNCTIONAL BEFORE BUILDING CONSTRUCTION BEGINS IF REQUIRED BY AUTHORITY HAVING JURISDICTION.



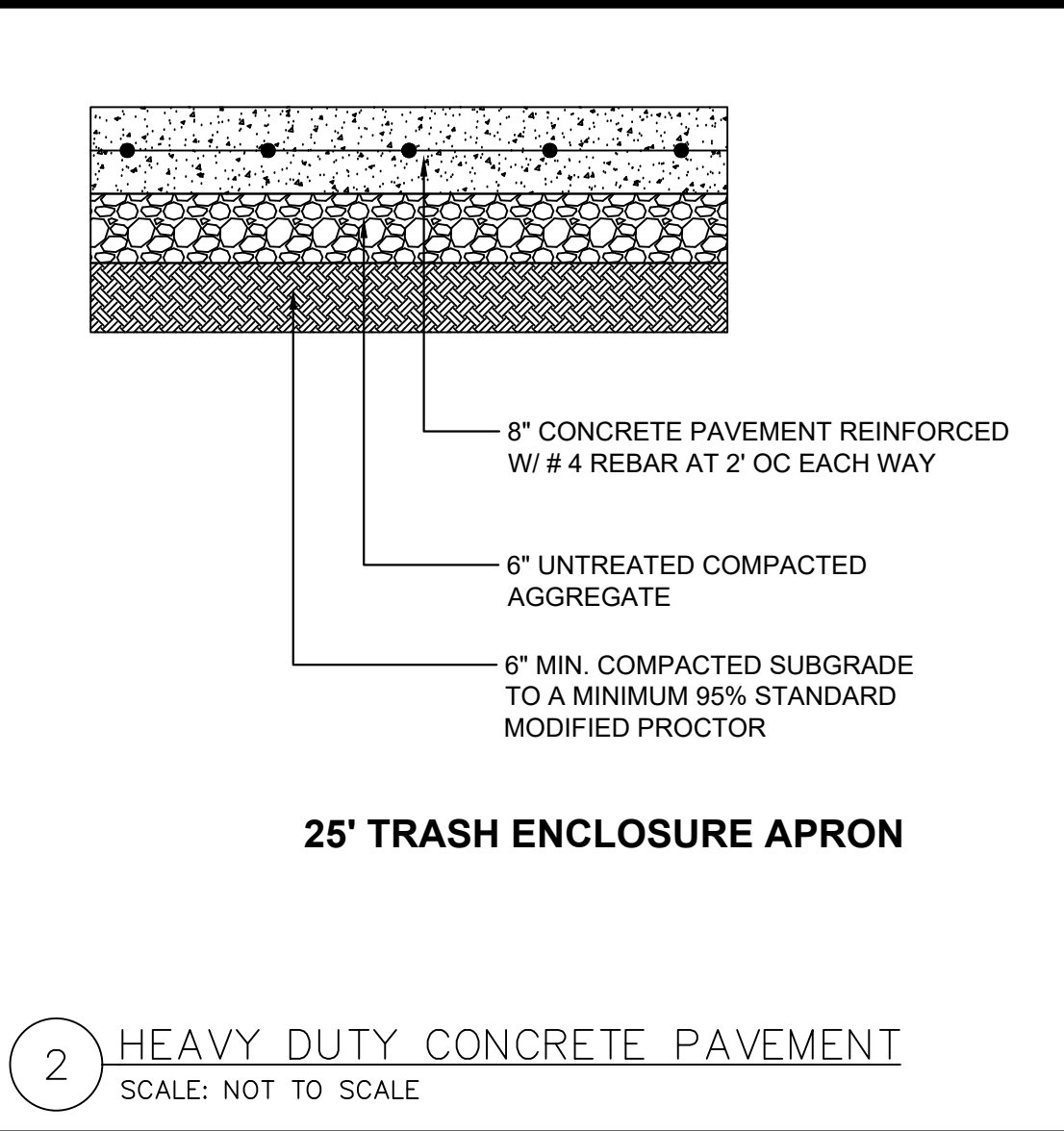
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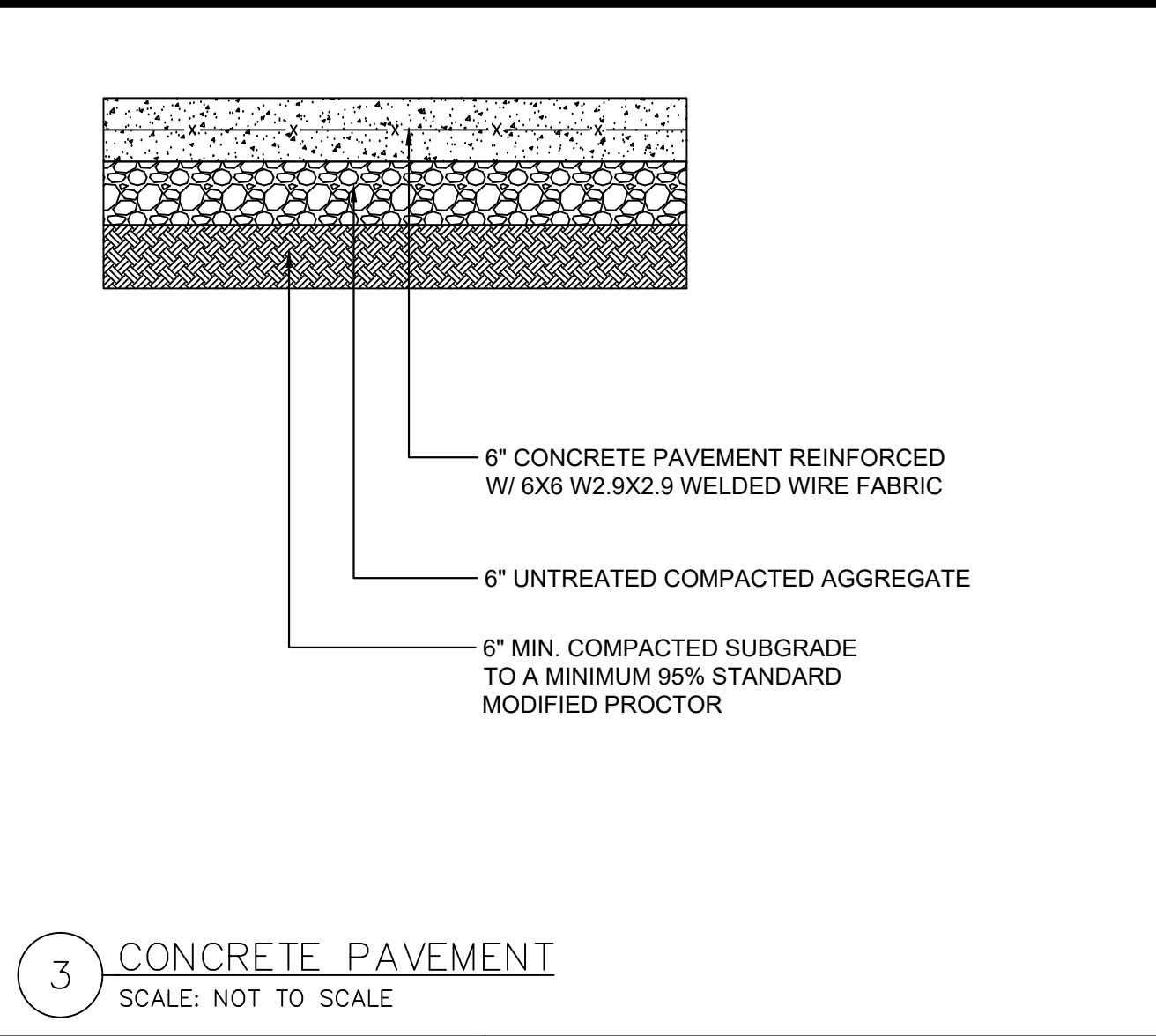
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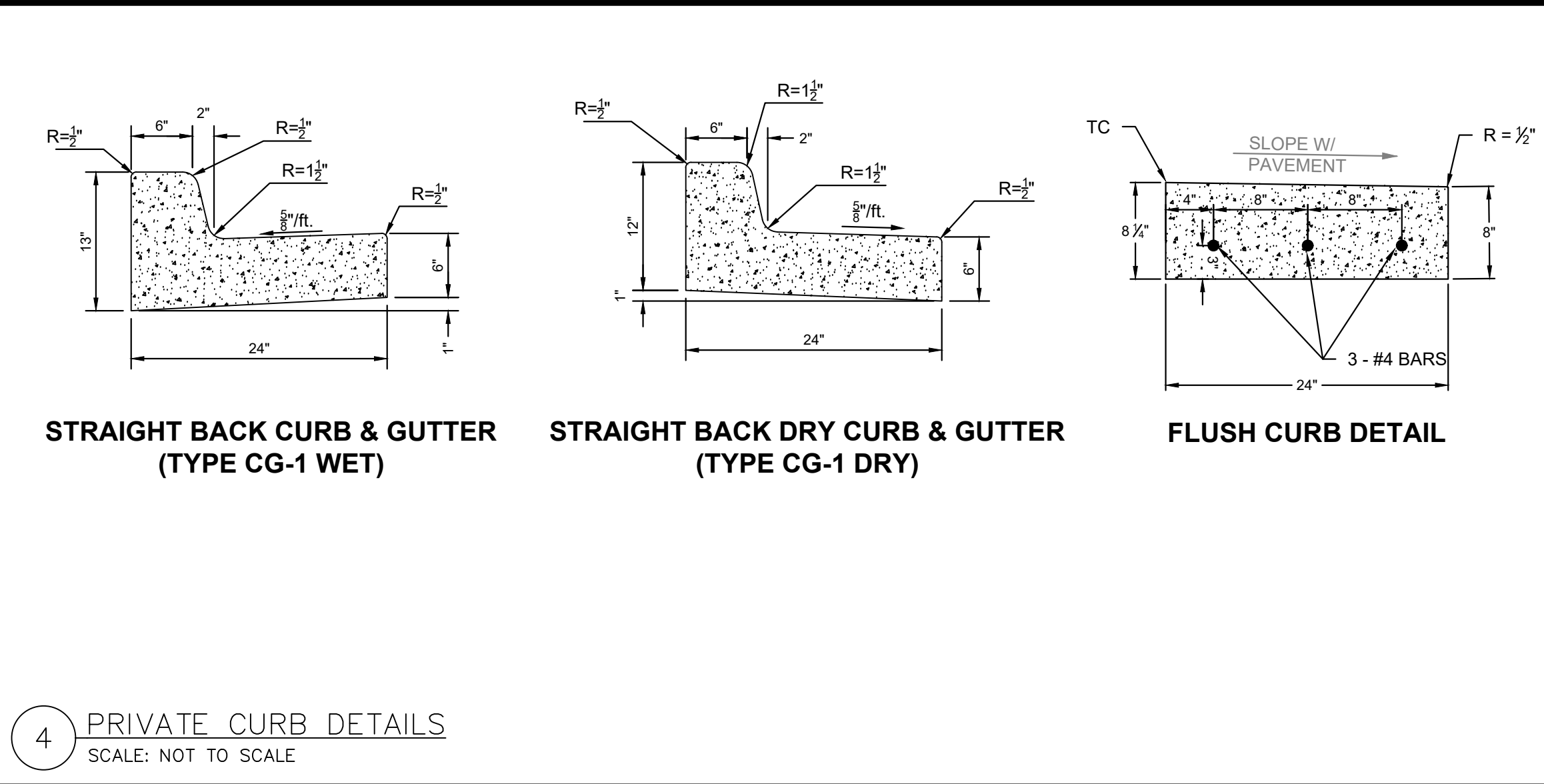
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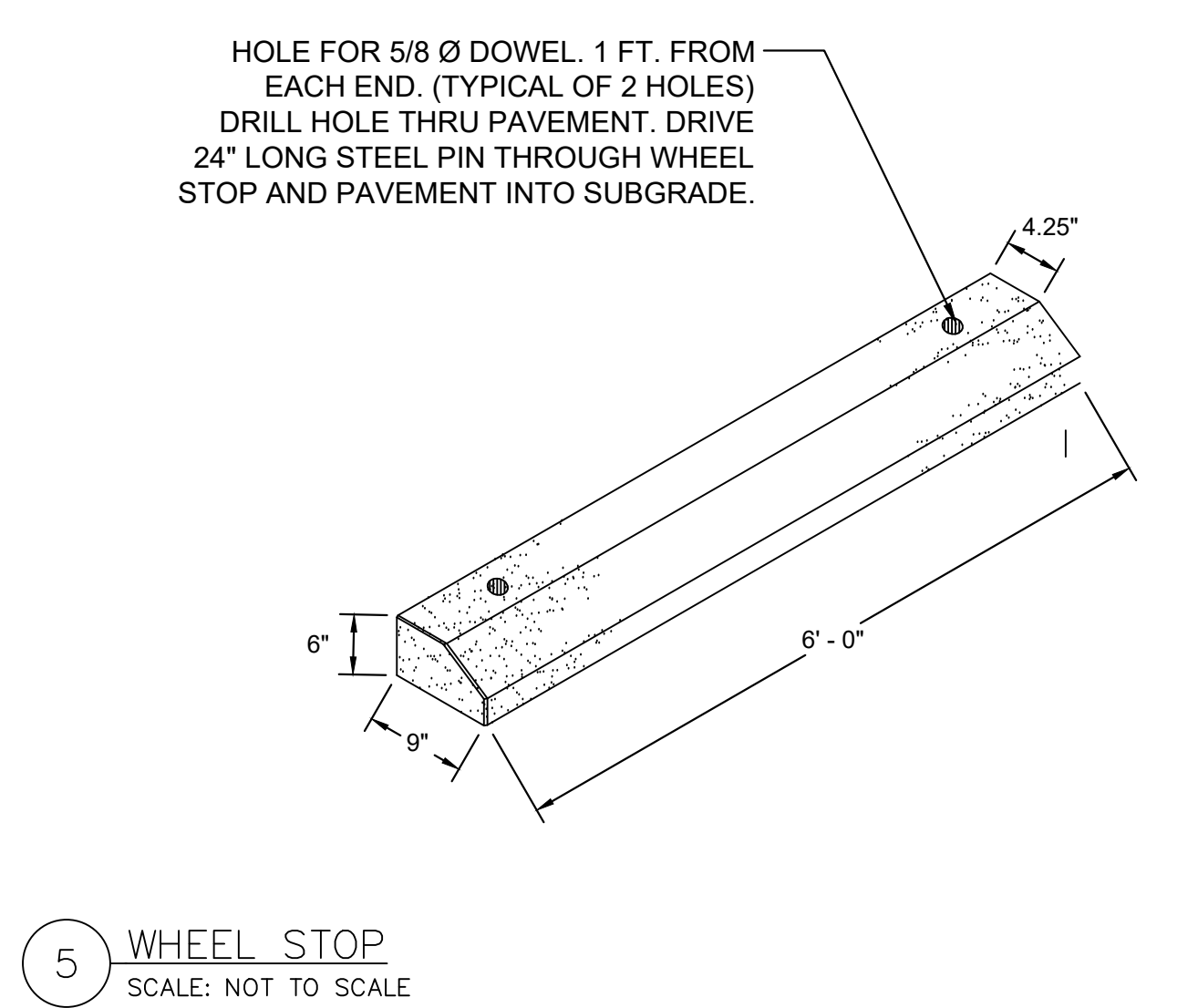
**2 HEAVY DUTY CONCRETE PAVEMENT**  
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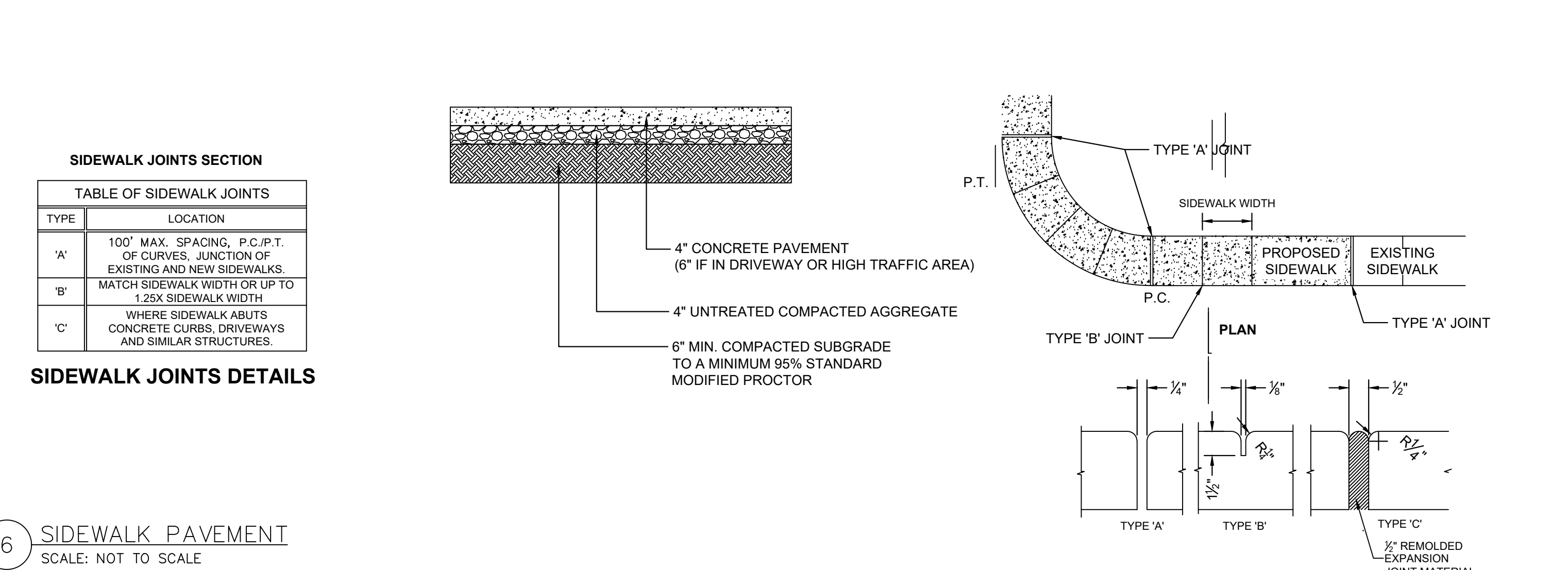
**3 CONCRETE PAVEMENT**  
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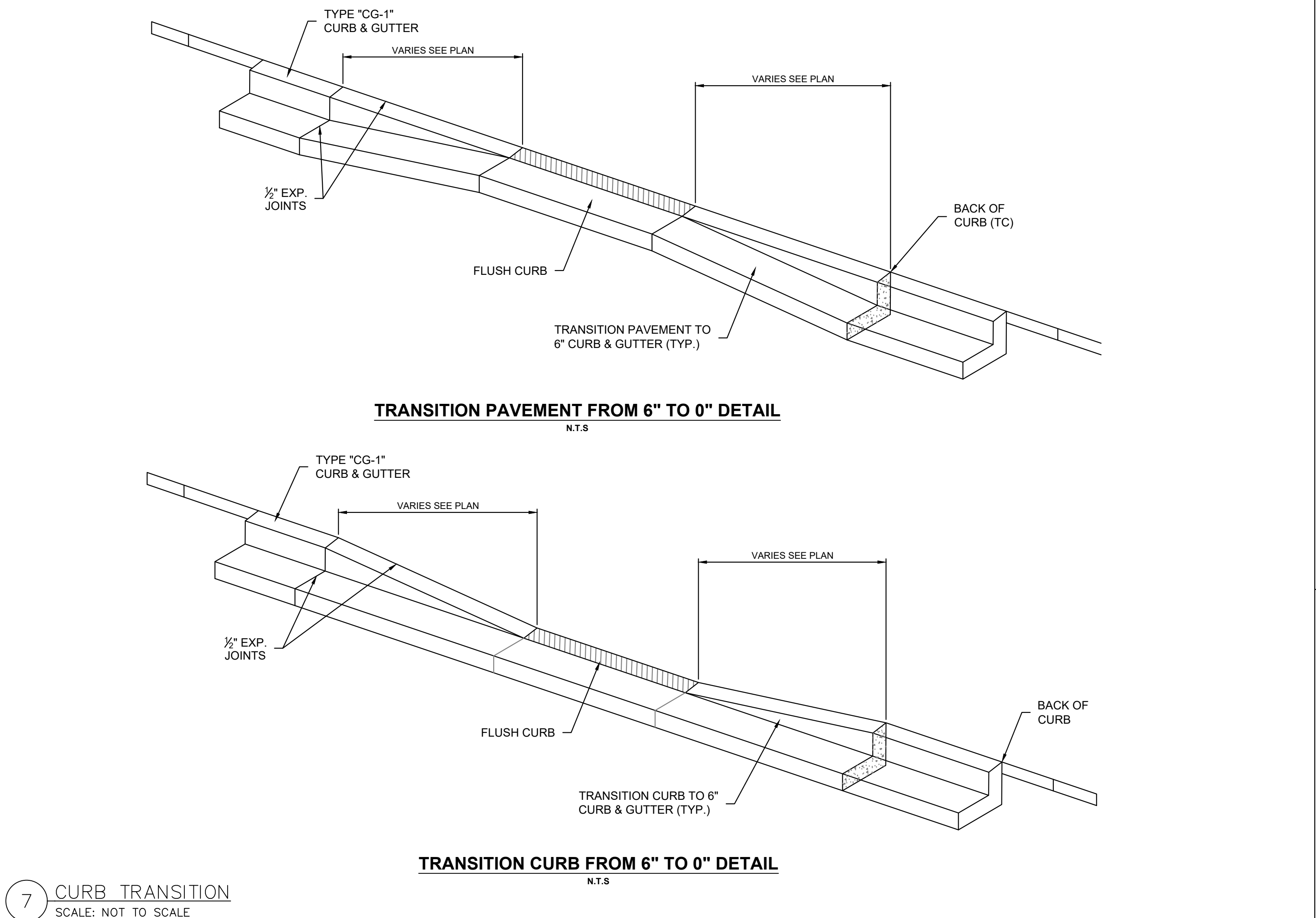
**4 PRIVATE CURB DETAILS**  
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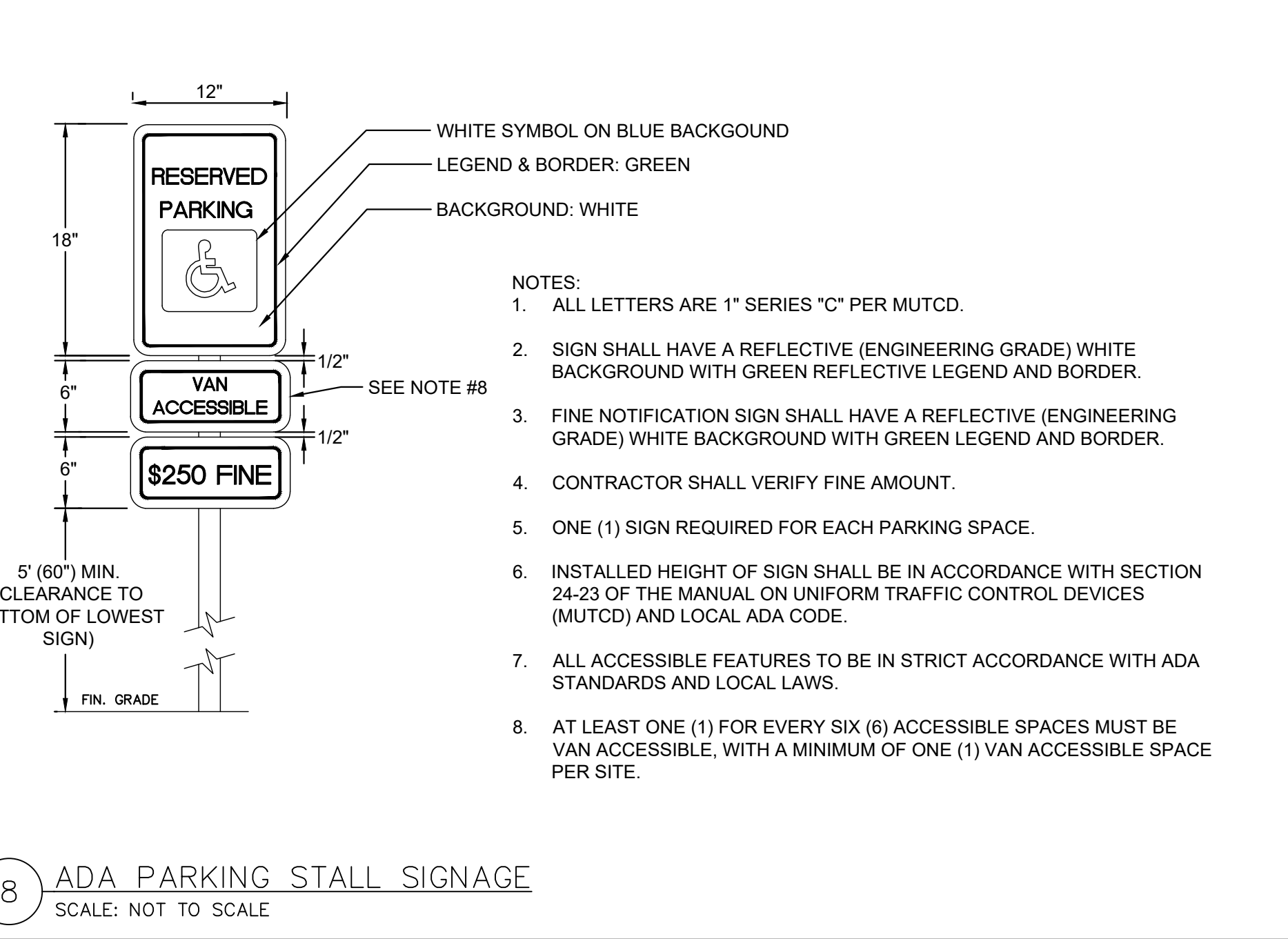
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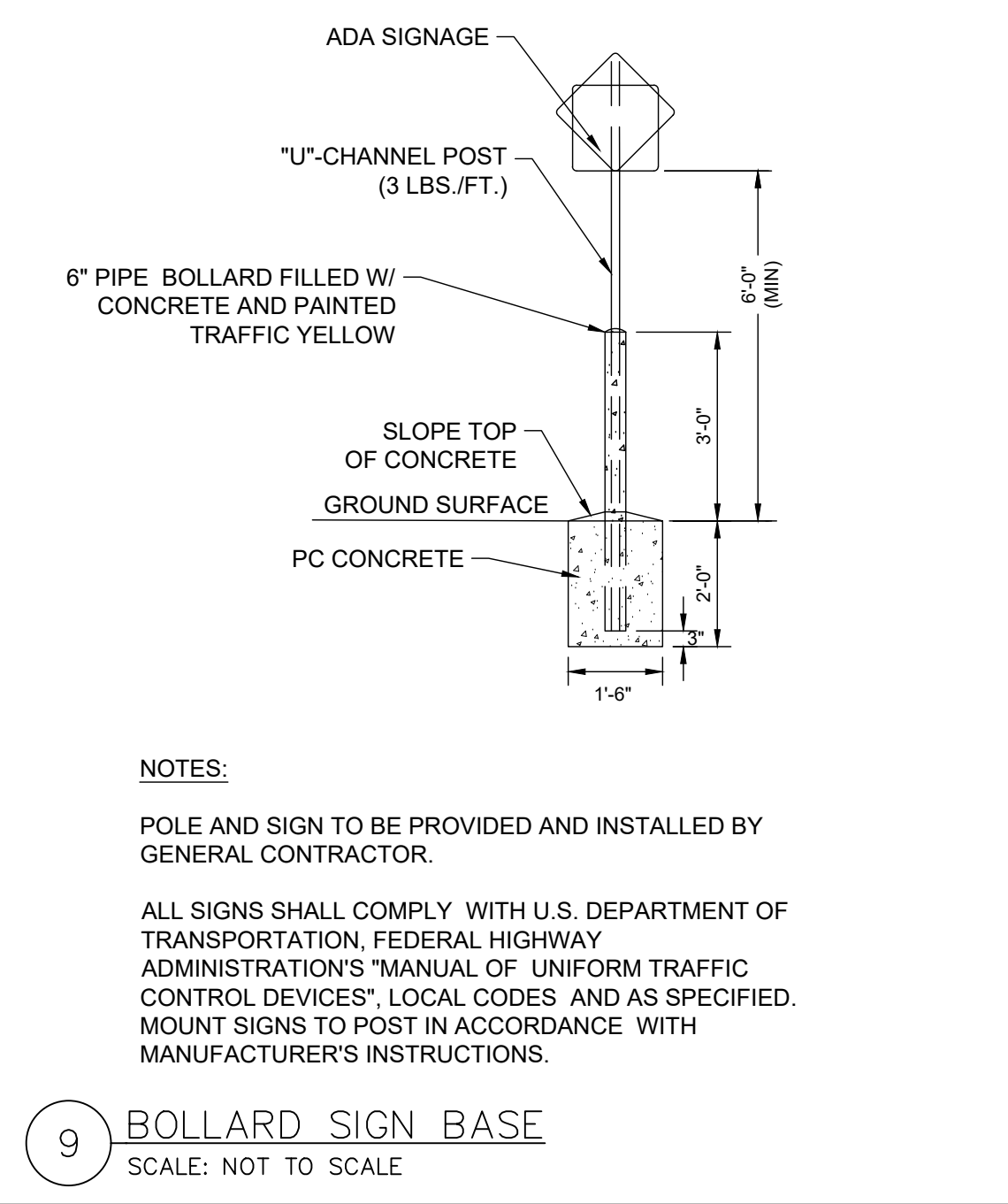
**6 SIDEWALK PAVEMENT**  
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**7 CURB TRANSITION**  
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**8 ADA PARKING STALL SIGNAGE**  
SCALE: NOT TO SCALE



**9 BOLLARD SIGN BASE**  
SCALE: NOT TO SCALE

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**PRIDE FITNESS**  
SOBBIE ROAD  
PLEASANT VALLEY, MISSOURI, CODE

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