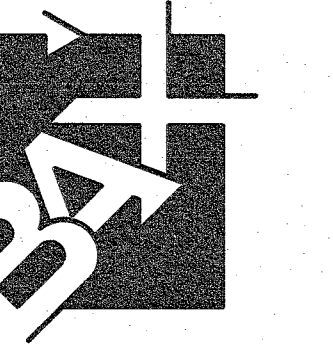


FORT ZUMWALT SCHOOL DISTRICT NORTH HIGH SCHOOL ADDITIONS & RENOVATIONS

CANNONDESIGN

1100 Clark Ave. St. Louis, MO 63102 P: 314.241.8290 F: 314.241.2570



221 Point West Blvd. St. Charles, MO 63301 636-928-5552 FAX 928-1718

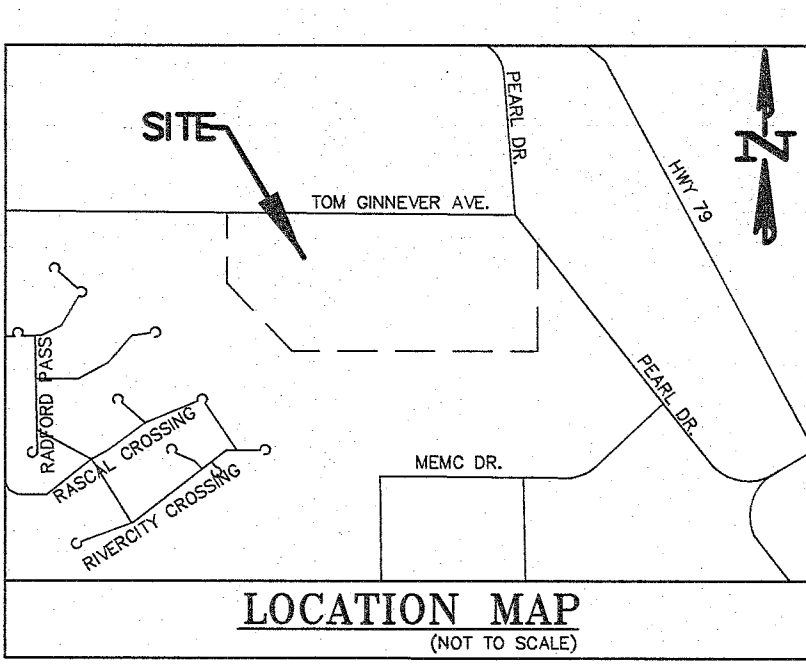
A SET OF CONSTRUCTION PLANS FOR FORT ZUMWALT NORTH HIGH SCHOOL BUILDING AND PARKING ADDITIONS A TRACT OF LAND BEING PART OF THE NORTH HALF OF THE SOUTHWEST QUARTER OF SECTION 24, TOWNSHIP 47 NORTH, RANGE 2 EAST OF THE FIFTH PRINCIPAL MERIDIAN CITY OF O'FALLON ST. CHARLES COUNTY, MISSOURI

SHEET INDEX

Table with 2 columns: No. and Description. Includes COVER SHEET, NOTES, REMOVAL-SITE PLAN, GRADING-PLAN, DRAINAGE-AREA-MAP, DETAIL, ALTERNATE BID NOTES, ALTERNATE BID PLAN.

DEVELOPMENT NOTES

- 1. Area of Tract: 75.026 Acres
2. Existing Zoning: R-1 Single Family
3. Proposed Use: High School (City of O'Fallon)
4. Area of Proposed Buildings: 18,430 sq.ft.
5. The required height and building setbacks are as follows:
6. Site is served by: City of O'Fallon Sewer, AmerenUE Company, Laclede Gas Company, City of O'Fallon Water, Century Tel, O'Fallon Fire Protection District, Fort Zumwalt School District
7. According to the Flood Insurance Rate Map of St. Charles County...
8. Parking Required: High School: 1 space per 3 students...
9. Landscape Requirements: Interior Landscaping Required...



AS-BUILT LEGEND

- A.B. DENOTES AS-BUILT
AS-BUILT STORM MANHOLE
AS-BUILT CURB INLET
AS-BUILT STORM FLARED END
AS-BUILT SANITARY MANHOLE
AS-BUILT FIRE HYDRANT
AS-BUILT WATER VALVE
AS-BUILT FIRE HOSE CONNECTION
AS-BUILT LIGHT STANDARD
AS-BUILT CLEANOUT
AS-BUILT ELECTRIC BOX
AS-BUILT ELECTRIC TRANSFORMER

PRINCIPLES & STANDARDS:

- 1. All excavations, grading, or filling shall have a minimum grade not to exceed a 3:1 slope (33%). Steeper grades may be approved by the designated official if the excavation is through rock or the excavation or the fill is officially protected...
2. Sediment and erosion control plans for sites that exceed 20,000 square feet of grading shall provide for sediment or debris basins, silt traps or filters, silted straw bales or other approved measures to remove sediment from run-off waters...
3. Where natural vegetation is removed during grading, vegetation shall be reestablished in such a density as to prevent erosion...
4. When grading operations are completed or suspended for more than 14 days permanent grass must be established at sufficient density to provide erosion control...
5. Provisions shall be made to accommodate the increased runoff caused by changed soils and surface conditions during and after grading...
6. The adjoining ground to development sites (lots) shall be provided with protection from accelerated and increased surface water, silt from erosion, and any other consequences of erosion...
7. Development along natural watercourses shall have residential lot lines, commercial or industrial improvements, parking areas or driveways set back a minimum of 25 feet from the top of the existing stream bank...
8. All lots shall be seeded and mulched at the minimum rates defined in Appendix A or sodded before an occupancy permit shall be issued...

GENERAL NOTES:

- 1. Underground utilities have been plotted from available information and therefore their locations shall be considered approximate only...
2. Gas, water and other underground utilities shall not conflict with the depth or horizontal location of existing or proposed sanitary and storm sewers...
3. All existing site improvements disturbed, damaged or destroyed shall be repaired or replaced to closely match pre-construction conditions...
4. The contractor shall prevent all storm, surface water, mud and construction debris from entering the existing sanitary sewer system...
5. All sanitary sewer flowlines and tops built without elevations furnished by the engineer will be the responsibility of the sewer contractor...
6. Easements shall be provided for all public sanitary sewers, storm sewers and utilities on the record plot...
7. All construction and materials shall conform to the current construction standards of the City of O'Fallon...
8. The City of O'Fallon shall be notified at least 48 hours prior to start of construction for coordination and inspection...
9. All sanitary sewer manholes shall be waterproofed on the exterior in accordance with Missouri Dept. of Natural Resources specifications 10 CSR-8-1207(C)...
10. All PVC sanitary sewer pipe shall be SDR-35 or equal with "clean" 1/2 inch to 1 inch granular stone bedding uniformly graded...
11. All sanitary and storm sewer trench backfills shall be water jetted...
12. All pipes shall have positive drainage through manholes...
13. Brick shall not be used on sanitary sewer manholes or storm sewer structures...
14. All PVC sanitary sewer pipe shall meet the following standards...
15. All sanitary and storm sewers shall meet all specifications and installation requirements of the local governing authority...
16. Storm sewers 18 inch diameter and smaller shall be A.S.T.M. C-14 unless otherwise shown on the plans...
17. Storm sewers 21 inch diameter and larger shall be A.S.T.M. C-76, Class II minimum, unless otherwise shown on the plans...
18. All storm sewer pipe in the right-of-way shall be reinforced concrete pipe...
19. All storm sewer pipe shall be "O-ring" pipe...
20. All water lines shall be laid at least 10 feet horizontally from any sanitary sewer, manhole, or structure...
21. All water lines shall be C-900 Class 200 P.V.C...
22. The grading yardage shown on these drawings is an approximation only...
23. All sanitary sewer laterals shall be a minimum of 6 inches in diameter...
24. All erosion control systems are inspected and corrected weekly...
25. City approval of the construction site plans does not mean that any building can be constructed on the lots without meeting the building setbacks as required by the Zoning code...
26. Water jetting specifications to conform to Section 405.210(D)(1)...
27. No flat base structures are allowed. All structures shall maintain a 0.20' drop.

O'FALLON NOTES:

- 1. Underground utilities have been plotted from available information and therefore their locations shall be considered approximate only...
2. All filled places under proposed storm and sanitary sewer, proposed roads, and/or paved areas shall be compacted to 90% of the maximum density as determined by the Modified AASHTO T-180 Compaction Test...
3. No area shall be cleared without the permission of the project engineer...
4. The City of O'Fallon Construction Division shall be notified at 636-379-7631 at least 48 hours prior to construction for coordination and 24 hours in advance of any required inspections...
5. All existing site improvements disturbed, damaged or destroyed shall be repaired or replaced to closely match pre-construction conditions...
6. All construction and materials shall conform to the current construction standards of the City of O'Fallon...
7. Any permits, licenses, easements, or approvals required to work on public or private properties or roadways are the responsibility of the developer...
8. No slopes shall exceed 3(Horizontal) : 1(Vertical)...
9. The Permittee shall assume complete responsibility for controlling all siltation and erosion of the project area...
10. Erosion control systems shall not be limited to what is shown on the plan...
11. All building mounted lights shall be painted downward and fully screened to prevent light from spilling over onto adjacent properties...
12. All ground and roof HVAC mechanical units to be screened from public view...
13. All paving to be in accordance with St. Charles County standards and specifications except as modified by the City of O'Fallon ordinances...
14. All sidewalks, curb ramps, and accessible parking spaces shall be constructed in accordance with the current approved Americans with Disabilities Act Accessibility Guidelines (ADAAG) and the current approved Missouri State Building Code...
15. Brick shall not be used in the construction of storm or sanitary sewer structures...
16. The Contractor shall ensure all concrete pipes will be installed with "O-Ring" rubber type gaskets...
17. Lighting values will be reviewed on the site prior to the final occupancy inspection...
18. All proposed fencing requires a separate permit from the Planning & Development Division...
19. All identification or directional signs must have the locations and sizes approved and permitted separately through the Planning and Development Division...
20. All sign post and backs and bracket arms shall be painted black using Carboline Rubbed Penetrating Sealer 50 and Carboline 133 HB paint...
21. All proposed utilities and/or utility relocations shall be located underground...
22. All erosion control systems are inspected and corrected weekly...
23. No graded areas are to remain bare for over 14 days without being seeded and mulched...
24. Rip-rap shown at flood ends will be evaluated in the field by the Engineer, Contractor and City Inspector after installation for effectiveness and field modified if necessary to reduce erosion on and off-site...
25. Marking to be provided on storm sewer inlets...
26. Be advised that if this information is not provided to the City's Construction Inspector the City will not allow grading or construction activities to proceed on any project site.

O'FALLON NOTES CONTINUED:

- 27. Trees, organic debris, rubble, foundations and other detritus material shall be removed for the site and disposed in compliance with all applicable laws and regulations...
28. HOPE pipe is to be N-12WT or equal and to meet ASTM F1417 water tight field test...
29. Connections at all sanitary or storm structure to be made with A-lock joint or equal...
30. All sanitary laterals and sanitary mains crossing under pavement must have the proper rock backfill and to required compaction...
31. A 5/8" trash bar shall be centered within the openings of all curb inlets and area inlets...
32. Granular materials and earth materials associated with new construction beyond the pavement may be jetted, taking care to avoid damage to newly laid sewers...
33. Trench backfill greater than eight (8) feet in depth shall be placed to half the depth of the trench backfill but not greater than eight (8) feet...
34. Method: Jetting shall be performed from the low surface topographic point and proceed toward the high point...
35. Surface Bridging: The contractor shall identify the locations of the surface bridging (the tendency for the upper backfill crust to arch over the trench rather than collapse and consolidate during the jetting process)...
36. All existing trash and debris currently on this property must be removed and disposed of off-site...
37. Soft soil in the bottom and banks of any existing or former pond sites or tributaries should be removed, spread out and permitted to dry naturally to be used as fill...
38. Site preparation includes the clearance of all stumps, trees, bushes, shrubs, and weeds...
39. Compaction equipment shall consist of tamping rollers, pneumatic-tired rollers, vibratory roller, or high speed impact type drum rollers...
40. The Soils Engineer shall observe and test the placement of the fill to verify that specifications are met...
41. The Soils Engineer shall notify the Contractor of rejection of a lift of fill or portion thereof...
42. All areas to receive fill shall be scarified to a depth of not less than 8 inches and then compacted in accordance with the specifications given below...
43. The surface of the fill shall be finished so that it will not impound water...
44. Any contaminated soil encountered during excavation shall be hauled and placed as directed by Soils and Leases...
45. The location of and details for all erosion control devices (all fences and sediment basins) must follow the "St. Charles County Soil and Water Conservation District Erosion and Sediment Control" guidelines...
46. Any discrepancy between these plans or notes with the Geotechnical Report, the Geotechnical report shall take precedence...
47. Contractors shall adhere to and follow all recommendations contained within the Geotechnical Report...
48. All mechanical units shall be screened according to Code Section 400.278...
49. A photometric lighting plan shall be provided before construction plan approval...
50. To allow metal facade on building on property in R-1 district...
51. All construction work to be done outside of these hours requires prior written approval from the City Administrator or City Engineer.

GRADING NOTES:

- 1. A Geotechnical Engineer shall be employed by Bovis Lend Lease and be on site during grading operations...
2. The grading contractor shall perform a complete grading and compaction operation as shown on the plans...
3. The Contractor shall notify the Soils Engineer at least two days in advance of the start of the grading operation...
4. All areas shall be allowed to drain...
5. A sediment control plan that includes monitored and maintained sediment control basins and/or straw bales should be implemented as soon as possible...
6. Existing trash and debris currently on this property must be removed and disposed of off-site...
7. Soft soil in the bottom and banks of any existing or former pond sites or tributaries should be removed, spread out and permitted to dry naturally to be used as fill...
8. Site preparation includes the clearance of all stumps, trees, bushes, shrubs, and weeds...
9. Compaction equipment shall consist of tamping rollers, pneumatic-tired rollers, vibratory roller, or high speed impact type drum rollers...
10. The Soils Engineer shall observe and test the placement of the fill to verify that specifications are met...
11. The Soils Engineer shall notify the Contractor of rejection of a lift of fill or portion thereof...
12. All areas to receive fill shall be scarified to a depth of not less than 8 inches and then compacted in accordance with the specifications given below...
13. The surface of the fill shall be finished so that it will not impound water...
14. Any contaminated soil encountered during excavation shall be hauled and placed as directed by Soils and Leases...
15. The location of and details for all erosion control devices (all fences and sediment basins) must follow the "St. Charles County Soil and Water Conservation District Erosion and Sediment Control" guidelines...
16. Any discrepancy between these plans or notes with the Geotechnical Report, the Geotechnical report shall take precedence...
17. Contractors shall adhere to and follow all recommendations contained within the Geotechnical Report...
18. All mechanical units shall be screened according to Code Section 400.278...
19. A photometric lighting plan shall be provided before construction plan approval...
20. To allow metal facade on building on property in R-1 district...
21. All construction work to be done outside of these hours requires prior written approval from the City Administrator or City Engineer.

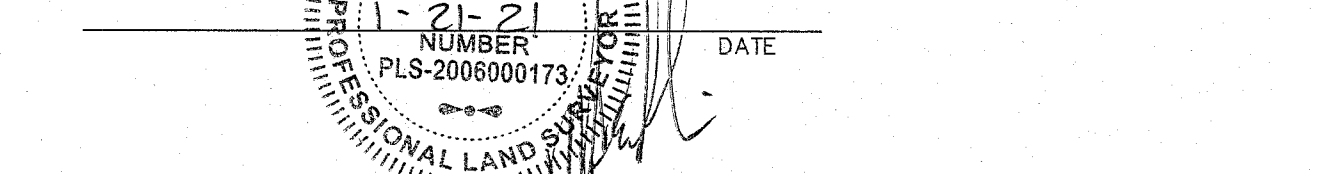
AS-BUILT PUBLIC UTILITY FINAL MEASUREMENTS

THE FOLLOWING UTILITIES HAVE BEEN LOCATED AND MEASURED AND THE RESULTS OF THOSE MEASUREMENTS ARE SHOWN ON THIS SET OF FINAL MEASUREMENT PLANS:

- STORM SEWERS, STORM SEWER LENGTHS, STORM SEWER PIPE SIZES, STORM SEWER FLOWLINES AND DEPTHS OF STORM SEWER STRUCTURES, SANITARY SEWER PIPE SIZES, SANITARY SEWER FLOWLINES AND DEPTHS OF SANITARY SEWER STRUCTURES, FIRE HYDRANTS, WATER VALVES, LIGHT STANDARDS, CURBS AND PAVEMENT FOR NEW PARKING AREAS

ALL PUBLIC UTILITIES SHOWN HEREIN AS BEING AS-BUILT ARE LOCATED WITHIN DESIGNATED EXISTING OR PROPOSED EASEMENTS.

SIGNED: P.E./A.S. DATE: [Signature]

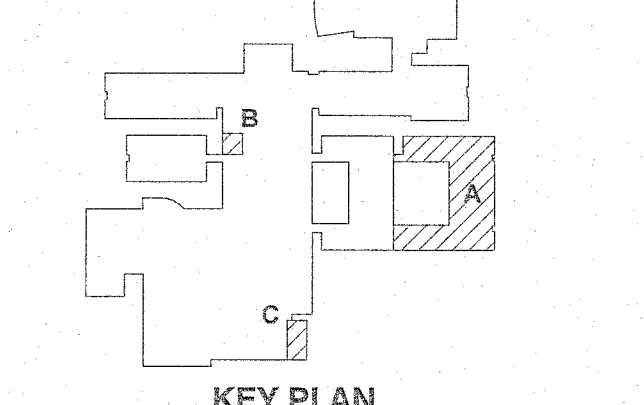


VEGETATION ESTABLISHMENT

APPENDIX A

- SEEDING RATES: Tall Fescue - 150 lbs./ac., Smooth Brome - 100 lbs./ac., Brome @ 50 lbs./ac.
TEMPORARY: Oats - 120 lbs./ac. (2.75 lbs. per 1,000 sq ft)
SEEDING PERIODS: August 1 to October 1, March 15 to November 1, October 1 to March 15 to September 15
FERTILIZER RATES: Phosphate 30 lbs./ac., Potassium 30 lbs./ac.
* ENM = effective neutralizing material as per State evaluation of quarried rock.

Table with 3 columns: Rev., Description, Date. Includes revisions for VEGETATION ESTABLISHMENT.



KEY PLAN

CALL BEFORE YOU DIG! 1-800-DIG-RITE

PLANNING & ZONING FILE # 19-00688 APPROVAL DATE: 03-07-19

Project No.: 00572.00 Checked by: CHK

C-1

REFERENCE BENCHMARK: THE OBSERVED VERTICAL CHECK STATION UTILIZED IS LISTED ON WWW.NGS.NOAA.GOV AS DESIGNATION "SC-06" WITH A PID OF AA8597 AND A PUBLISHED ELEVATION OF 559.02 (NAVD88).

SITE BENCHMARK (NAVD 88) CHISELED "L" ON CONCRETE BASE OF TRANSFORMER PAD ON SOUTH SIDE OF BUILDING (ELEVATION=489.87) AND IS LOCATED AS SHOWN HEREIN.

CONSTRUCTION WORKING HOURS:

- Construction work shall only be allowed during the following hours:
October 1 - May 31: 7:00 A.M. to 7:00 P.M. Monday - Sunday
June 1 - September 30: 8:00 A.M. to 8:00 P.M. Monday - Friday, 7:00 A.M. to 8:00 P.M. Saturday and Sunday
* Construction work to be done outside of these hours requires prior written approval from the City Administrator or City Engineer.

ESTIMATED CONSTRUCTION & GRADING SCHEDULE

Table with 2 columns: Activity and Date. Includes GRADING (8/19), INSTALL EROSION CONTROL (8/19), UTILITY CONSTRUCTION (8/19 - 9/19), BUILDING CONSTRUCTION (10/19 - 03/20), PAVEMENT CONSTRUCTION (03/20), FINISH GRADING, SEED AND MULCH (04/20).

NOTE: DATES MAY VARY DUE TO INCLEMENT WEATHER. A PERIOD OF ONE (1) YEAR FROM THE DATE OF THE PLANNING DEPARTMENT'S APPROVAL OF THE SITE PLAN IS PERMITTED, ANY COMPLETION DATE LONGER THAN THE ONE (1) YEAR PERIOD, OR AN EXTENSION OF THE TIME THEREOF, MUST BE REQUESTED IN WRITING BY THE DESIGN CONSULTANT AND APPROVED BY BOTH THE DIRECTOR OF PLANNING AND THE CITY ENGINEER.

City approval of any construction site plans does not mean that any building can be constructed on the lots without meeting the building setbacks as required by the zoning codes. All installations and construction shall conform to the approved engineering drawings. However, if the developer chooses to make minor modifications in design and/or specifications during construction, they shall make such changes at their own risk, without any assurance that the City Engineer will approve the completed installation or construction.

CONDITIONS FOR SITE PLAN APPROVAL (03-07-19)

- 1. All mechanical units shall be screened according to Code Section 400.278
2. A photometric lighting plan shall be provided before construction plan approval.
3. Metal siding is not permitted in "R-1" zoning per Section 400.523

SITE PLAN VARIANCE REQUEST APPROVAL (04-10-19)

- 1. To allow metal facade on building on property in R-1 district.
CONDITION: Applicant shall provide the proposed percentage of metal for each facade.

CITY OF O'FALLON COMMUNITY DEVELOPMENT DEPARTMENT ACCEPTED FOR CONSTRUCTION BY: [Signature] DATE: 02/08/2021 PROFESSIONAL ENGINEER'S SEAL INDICATES RESPONSIBILITY FOR DESIGN

COMMERCIAL

- GN # 1 Driveway locations shall not interfere with the sidewalk handicap ramps, or curb inlet ramps
GN # 2 Sidewalks, curb ramps, ramps and accessible parking spaces shall be constructed in accordance with the current approved "American with Disabilities Act Accessibility Guidelines" (ADAAG) along with the required grades, construction materials, specifications and signage.
GN # 3 Truncated domes for curb ramps located in public right of way shall meet ADA requirements and shall be constructed using red pre cast truncated domes per pavement details.

Erosion Control Notes

- EN # 1 The Permittee shall assume complete responsibility for controlling all siltation and erosion of the project area. The Permittee shall use whatever means necessary to control erosion and siltation including, but not limited to, staked straw bales and/or siltation fabric fences.
EN # 2 All erosion control systems are to be inspected and corrected weekly, especially within 48 hours of any rain storm resulting in one-quarter inch of rain or more.

Grading Notes

- GRN #1 Developer must supply City construction inspectors with soil reports prior to and during site grading. The soil report will be required to contain the following information on soil test curves (Proctor reports) for projects within the City:
1. Maximum dry density
2. Optimum moisture content
3. Maximum and minimum allowable moisture content

Be advised that if this information is not provided to the City's Construction Inspector the City will not allow grading or construction activities to proceed on any project site.

- GRN #2 All fill placed in areas other than proposed storm sewers, sanitary sewers, proposed roads, and paved areas shall be compacted from the bottom of the fill up in 8" lifts and compacted to 90% maximum density as determined by Modified AASHTO T-180 compaction test or 95% of maximum density as determined by the Standard Proctor Test AASHTO T-99.
GRN #3 The surface of the fill shall be finished so it will not impound water. If at the end of a days work it would appear that there may be rain prior to the next working day, the surface shall be finished smooth. If the surface has been finished smooth for any reason, it shall be scarified before proceeding with the placement of succeeding lifts.

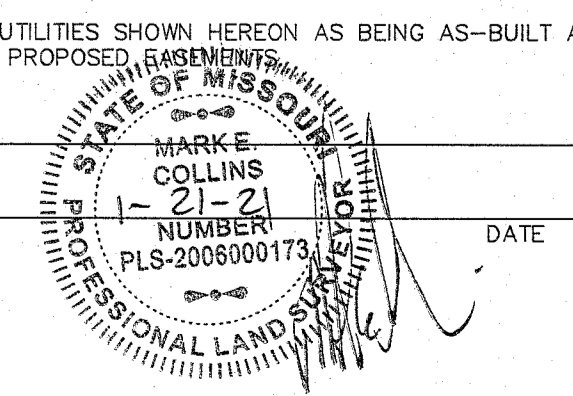
AS-BUILT PUBLIC UTILITY FINAL MEASUREMENTS

THE FOLLOWING UTILITIES HAVE BEEN LOCATED AND MEASURED AND THE RESULTS OF THOSE MEASUREMENTS ARE SHOWN ON THIS SET OF FINAL MEASUREMENT PLANS:

- STORM SEWERS, STORM SEWER LENGTHS, STORM SEWER PIPE SIZES, STORM SEWER FLOWLINES AND DEPTHS OF STORM SEWER STRUCTURES
SANITARY SEWERS, SANITARY SEWER LENGTHS, SANITARY SEWER PIPE SIZES, SANITARY SEWER FLOWLINES AND DEPTHS OF SANITARY SEWER STRUCTURES
FIRE HYDRANTS
WATER VALVES
LIGHT STANDARDS
CURBS AND PAVEMENT FOR NEW PARKING AREAS

ALL PUBLIC UTILITIES SHOWN HEREON AS BEING AS-BUILT ARE LOCATED WITHIN DESIGNATED EXISTING OR PROPOSED RIGHT-OF-WAY BOUNDARIES.

SIGNED: P.E./S. DATE



Grading Notes Continued

- GRN #10 All trench back fills under paved areas shall be granular back fill, and compacted mechanically. All other trench back fills may be earth material (free of large clods, or stones) and compacted using either mechanical or water jetting.
a) Depth. Trench back fills less than 8 feet deep shall be probed to a depth extending half the depth of the trench back fill, but not less than 3 feet. Trench back fill greater than 8 feet in depth shall be probed to half the depth of the trench back fill but not greater than 8 feet.

Sanitary Sewer Notes

- SAN # 1 All sanitary sewer installation is to be in accordance with current M.S.D. standards and specifications except as modified by the City of O'Fallon Ordinances.
SAN # 2 Brick shall not be used in the construction of sanitary sewer structures. Pre cast concrete structures are to be used unless otherwise approved by the City of O'Fallon.
SAN # 3 Connections at all sanitary structures are to be made with A-Lock joint or equal.

Storm Sewer Notes

- STM # 1 All Storm Sewer installation is to be in accordance with current M.S.D. standards and specifications except as modified by the City of O'Fallon Ordinances.
STM # 2 Brick shall not be used in the construction of storm sewer structures. Pre cast concrete structures are to be used unless otherwise approved by the City of O'Fallon.
STM # 3 A 5/8" trash bar shall be installed horizontally in the center of the opening(s) in all curb inlets and area inlets.

Water Notes

- WN # 1 Fire hydrants shall be a maximum of 600' apart. Local fire district approval is required.
WN # 2 Coordinate with the water company on the location of water meters.
WN # 3 All water main must have a minimum of 42" of cover. (City water mains)
WN # 4 Provide water valves to isolate the system.
WN # 5 All water mains shall be class 200 SDR 21 or equal with locator/tracer wires
WN # 6 DISINFECTING:
Disinfecting shall be accomplished by placing sufficient hypo chlorite granule (HTH) in each section of pipe to achieve a chlorine residual in the pipeline, upon initial filling, of 50 mg/L (PPM).

Water Notes

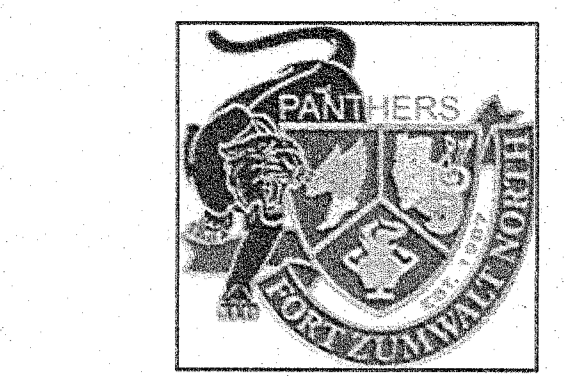
- WN #10 BACTERIOLOGICAL TESTING:
After satisfactory disinfection and pressure testing, a sample shall be taken by the contractor in the presence of a City representative and submitted to a I.A.B. Laboratory approved by the Missouri Department of Natural Resources and the City for bacteriological analysis. After 24 hours, a second sample shall be taken in a like manner and submitted for analysis. The two samples taken on consecutive days, a minimum of 24 hours apart, must be found to be "safe" by the testing I.A.B. Laboratory, and copies of the test results must be supplied to the City. If the samples are not found to be "safe" further flushing and/or disinfection as directed by the City shall be conducted by the contractor until "safe" samples on two consecutive test days are achieved. Following successful bacteriological testing and a determination by the City that the samples are "safe", the mains may be placed into service.

Roadway Notes

- RN # 1 All paving (public and private) to be in accordance with current St. Louis County Standards and Specifications except as modified by the City of O'Fallon Ordinances.
RN # 2 If the intersecting road does not have a curb, then the curb on the new entrance shall begin 10' from the edge of the existing road.
RN # 3 Provide 6" of concrete over 4" of MoBot type 1 or type 5 aggregate rock or asphalt equivalent for minor residential streets per City Code 405.370.
RN # 4 Multi-use trail (when required) shall have a minimum of 3" Type "C" Asphalt over 4" aggregate base per City requirements.

Flood plain Information

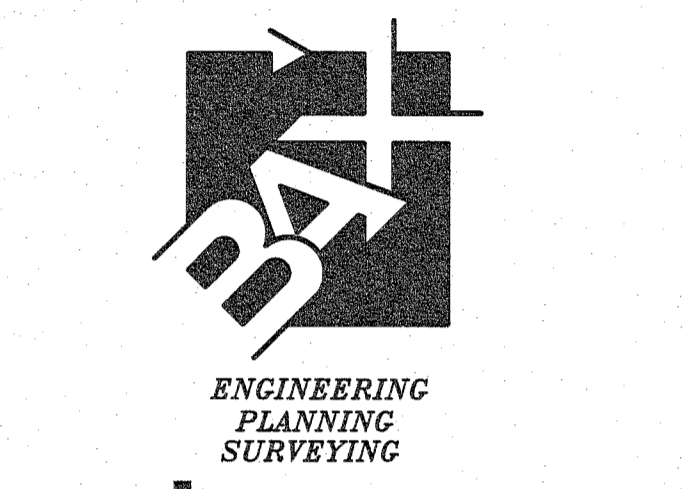
- FP # 1 A flood plain development application from the City is required for any work within the flood plain limits.
Retaining Walls: Terraced and Vertical
RW # 1 A permit is required for all retaining walls that are 48 inches or taller in height, measured from the top of the footing to the top of the wall or for walls that support a surcharge load or that alters the channelized drainage of any lot or drainage area.



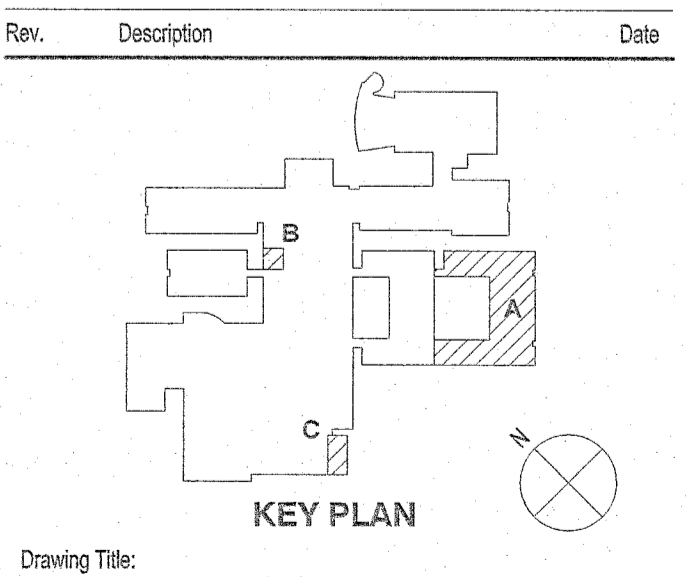
FORT ZUMWALT SCHOOL DISTRICT
NORTH HIGH SCHOOL ADDITIONS & RENOVATIONS

CANNONDESIGN

1100 Clark Ave
St. Louis, MO 63102
P: 314.241.6200
F: 314.241.2570



221 Point West Blvd.
St. Charles, MO 63301
636-928-5552
FAX 928-1718



CITY NOTES

PLANNING & ZONING FILE # 19-000685
APPROVAL DATE: 03-07-19

Project No.: 005772.00 Checked by: CHK

C-1.1

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO ANY GRADING OR CONSTRUCTION OF THE IMPROVEMENTS.

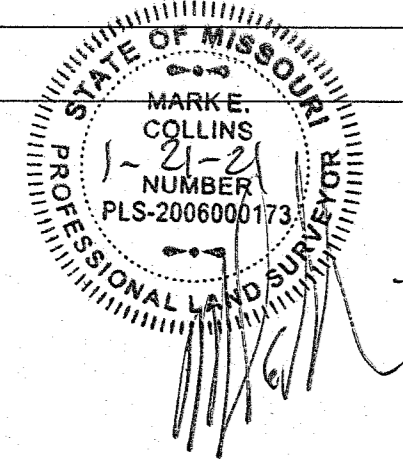
AS-BUILT PUBLIC UTILITY FINAL MEASUREMENTS

THE FOLLOWING UTILITIES HAVE BEEN LOCATED AND MEASURED AND THE RESULTS OF THOSE MEASUREMENTS ARE SHOWN ON THIS SET OF FINAL MEASUREMENT PLANS:

- STORM SEWERS, STORM SEWER LENGTHS, STORM SEWER PIPE SIZES, STORM SEWER FLOWLINES AND DEPTHS OF STORM SEWER STRUCTURES.
- SANITARY SEWERS, SANITARY SEWER LENGTHS, SANITARY SEWER PIPE SIZES, SANITARY SEWER FLOWLINES AND DEPTHS OF SANITARY SEWER STRUCTURES.
- FIRE HYDRANTS
- WATER VALVES
- LIGHT STANDARDS
- CURBS AND PAVEMENT FOR NEW PARKING AREAS

ALL PUBLIC UTILITIES SHOWN HEREON AS BEING AS-BUILT ARE LOCATED WITHIN DESIGNATED EXISTING OR PROPOSED EASEMENTS.

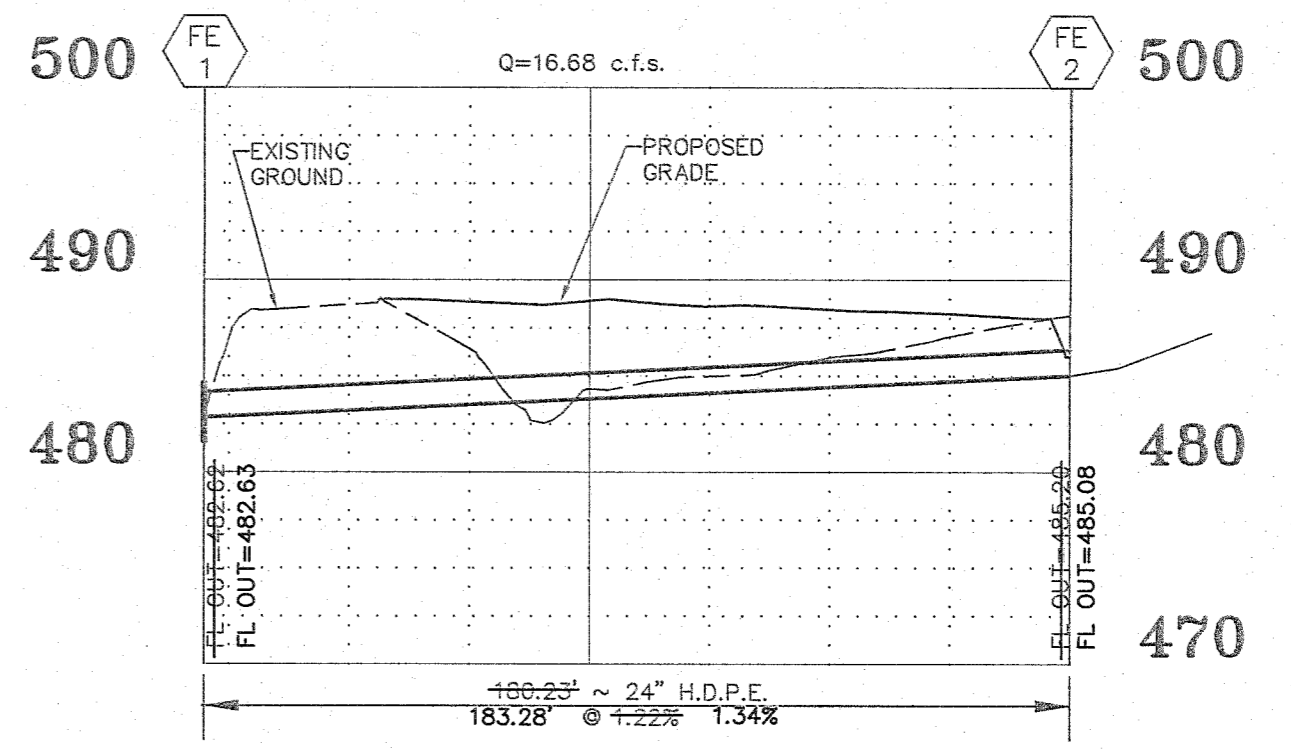
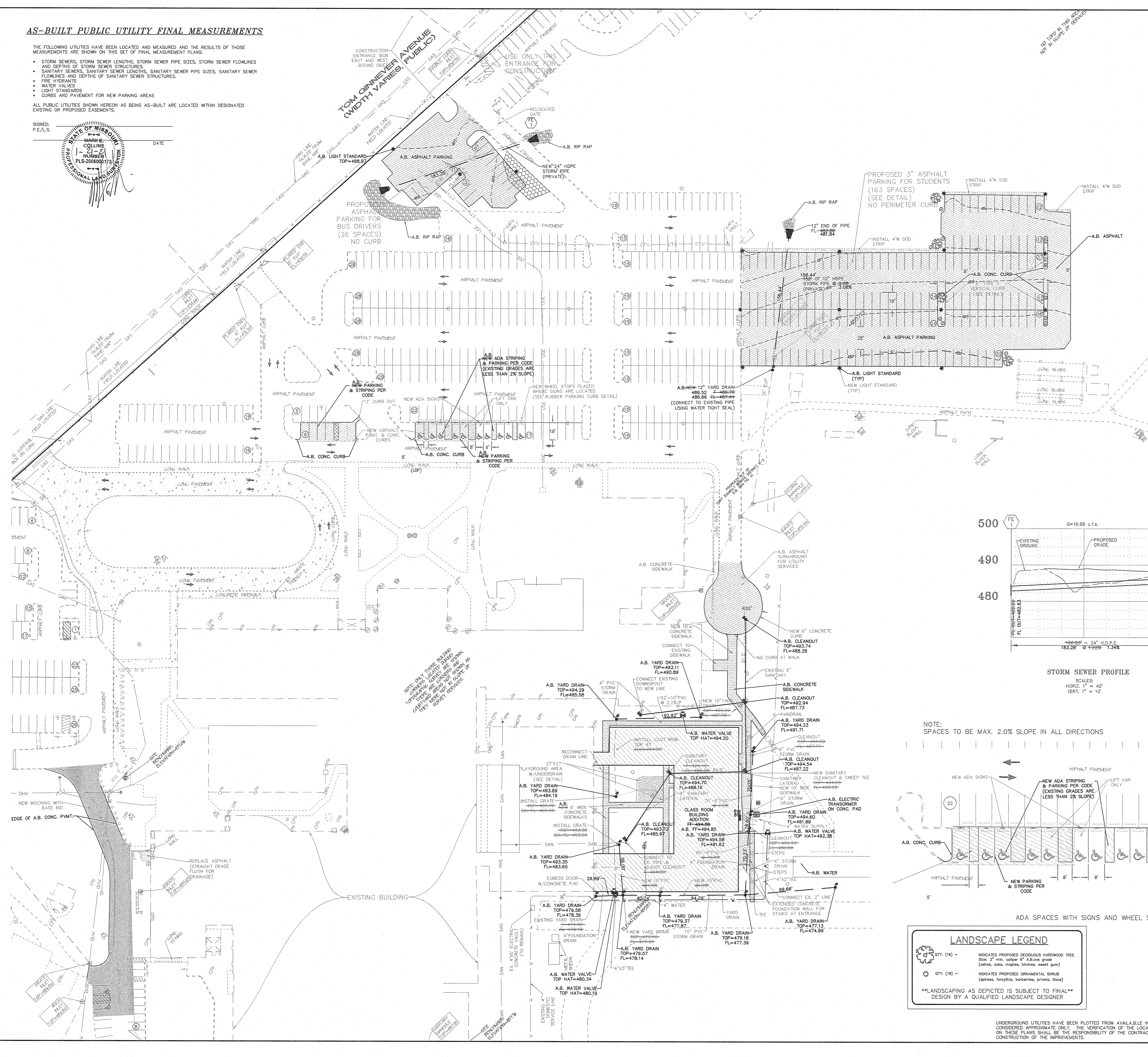
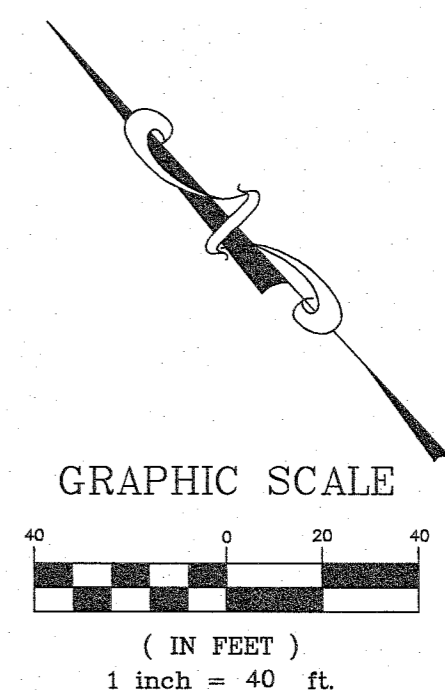
SIGNED: P.E./L.S. _____ DATE _____



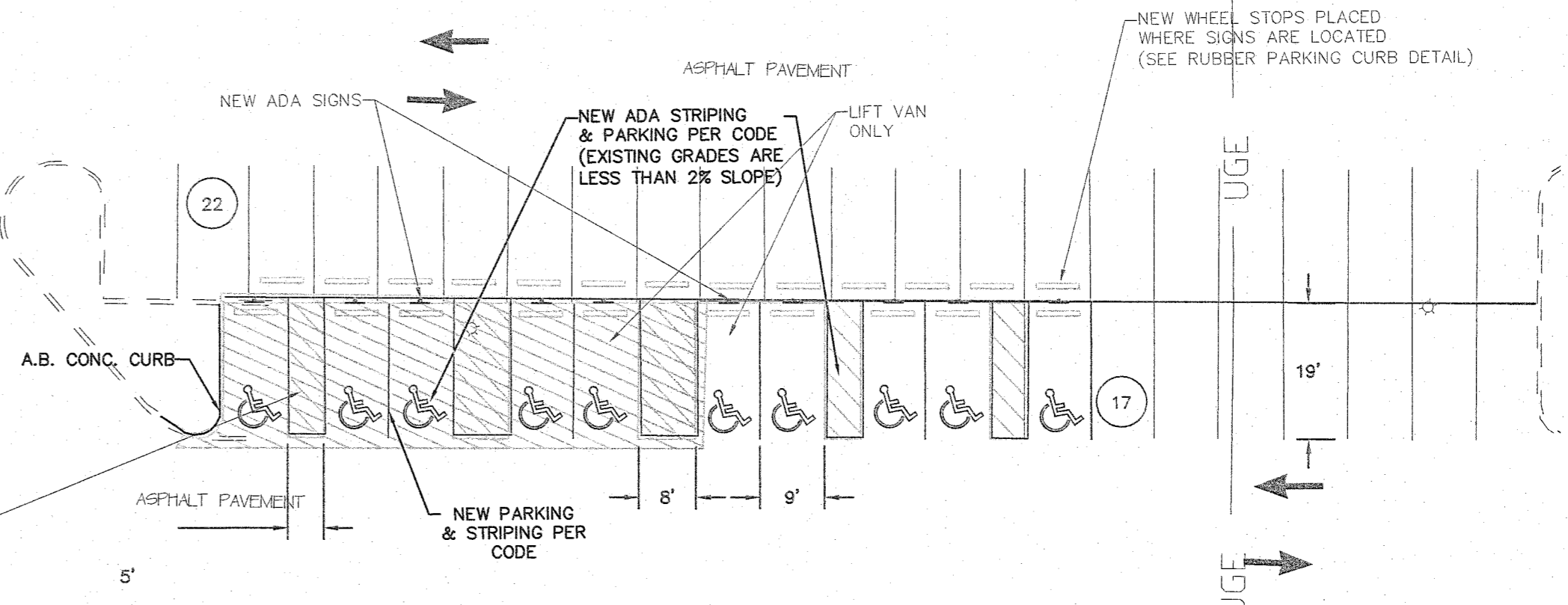
CONSTRUCTION ENTRANCE SIGN EAST AND WEST BOUND SIDES
 TOM CUNNINGHAM AVENUE PUBLICS
 (WIDTH VARIES)

USE ONLY THIS ENTRANCE FOR CONSTRUCTION

NO TOPS IN THIS AREA
 NO IN SCALE OF SERVICES



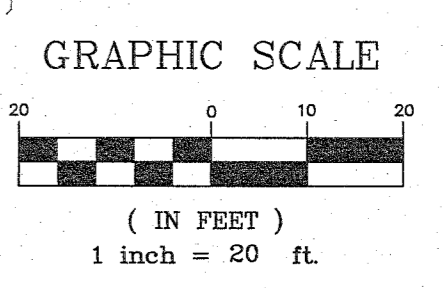
NOTE: SPACES TO BE MAX. 2.0% SLOPE IN ALL DIRECTIONS



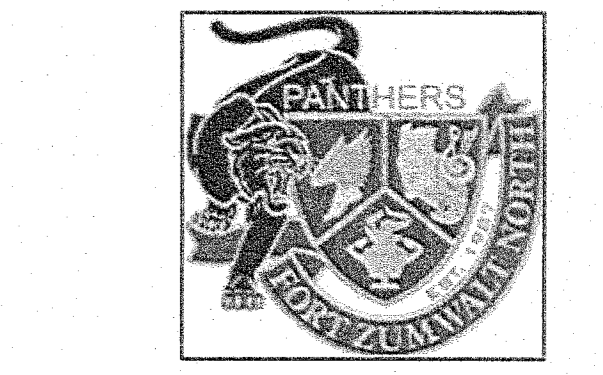
LANDSCAPE LEGEND

- QTY. (16) - INDICATES PROPOSED DECIDUOUS HARDWOOD TREE (Size: 2" min. caliper 6" A.B. above grade (caliper, color, species, flowers, level, etc.))
- QTY. (18) - INDICATES PROPOSED ORNAMENTAL SHRUB (spruce, forsythia, barberries, privets, lilacs)

LANDSCAPING AS DEPICTED IS SUBJECT TO FINAL
 DESIGN BY A QUALIFIED LANDSCAPE DESIGNER

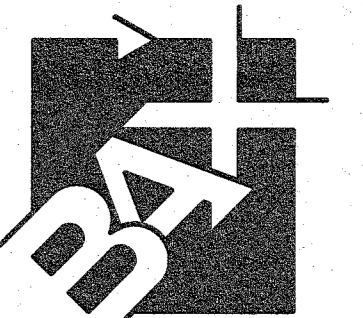


CALL BEFORE YOU DIG!
 1-800-DIG-RITE

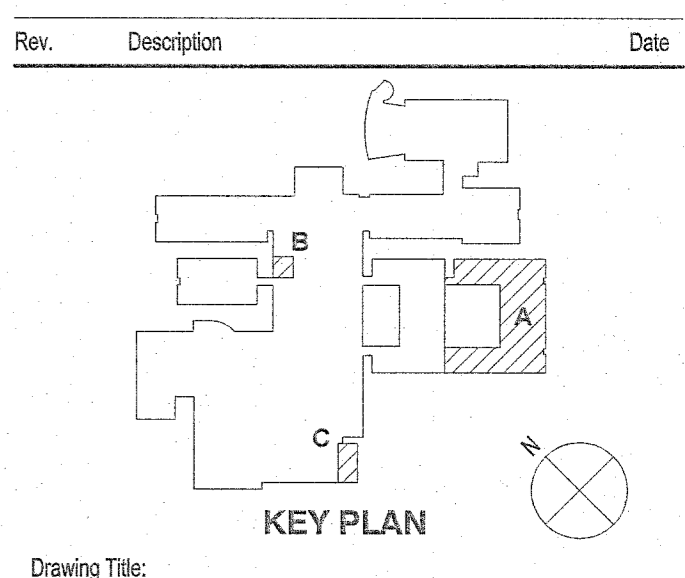


FORT ZUMWALT SCHOOL DISTRICT
NORTH HIGH SCHOOL
ADDITIONS & RENOVATIONS

CANNON DESIGN
 1100 Clark Ave.
 St. Louis, MO 63102
 P-314.241.6250
 F-314.241.2870



ENGINEERING
PLANNING
SURVEYING
 221 Point West Blvd.
 St. Charles, MO 63301
 636-928-5552
 FAX 636-928-1718



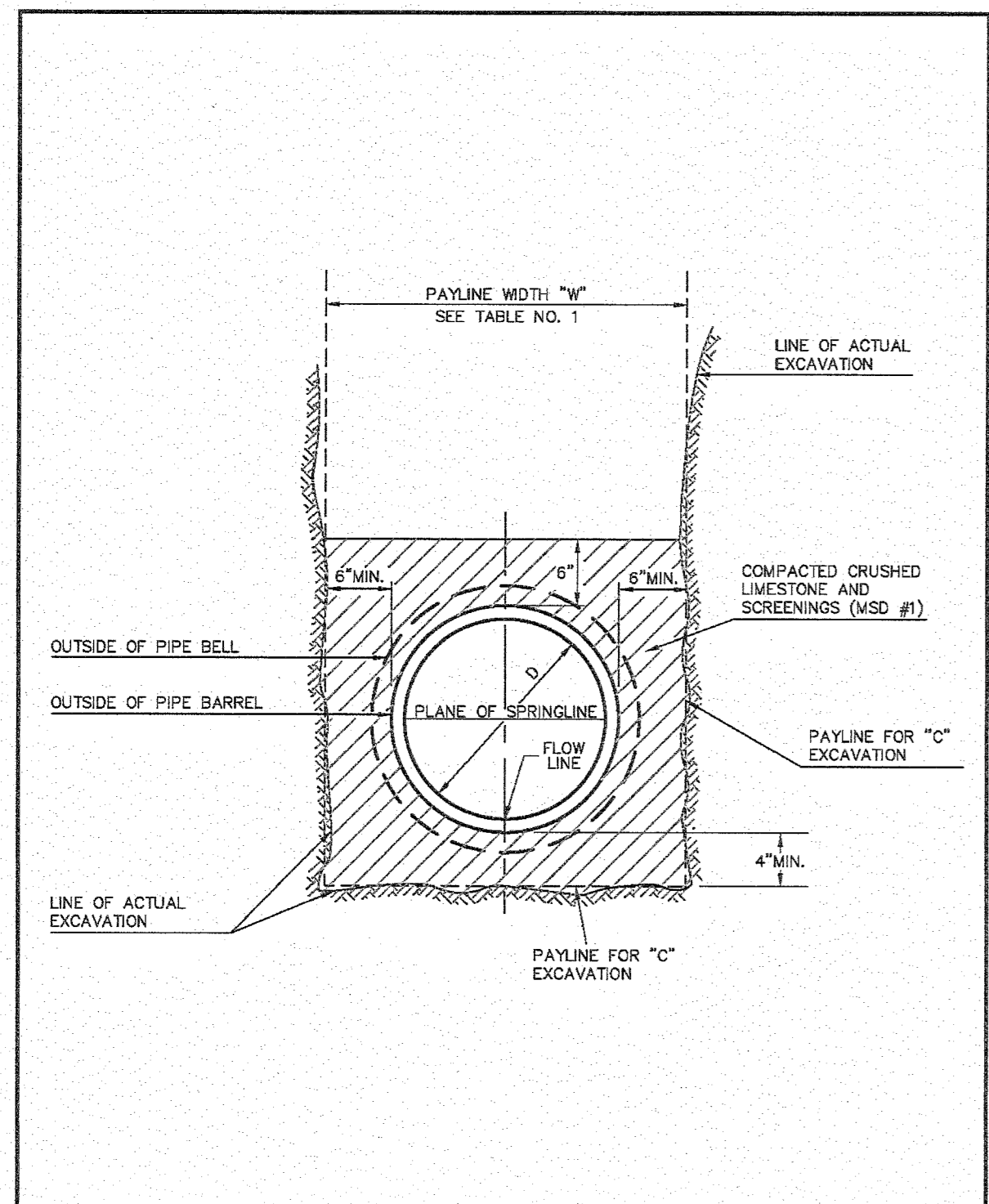
SITE PLAN

Project No: 05772.08 Checked by: CLK

C-3

© 2018 The Cannon Corporation
 All rights reserved. No part of this document may be reproduced or transmitted in any form without prior written permission from Cannon Design, Inc.

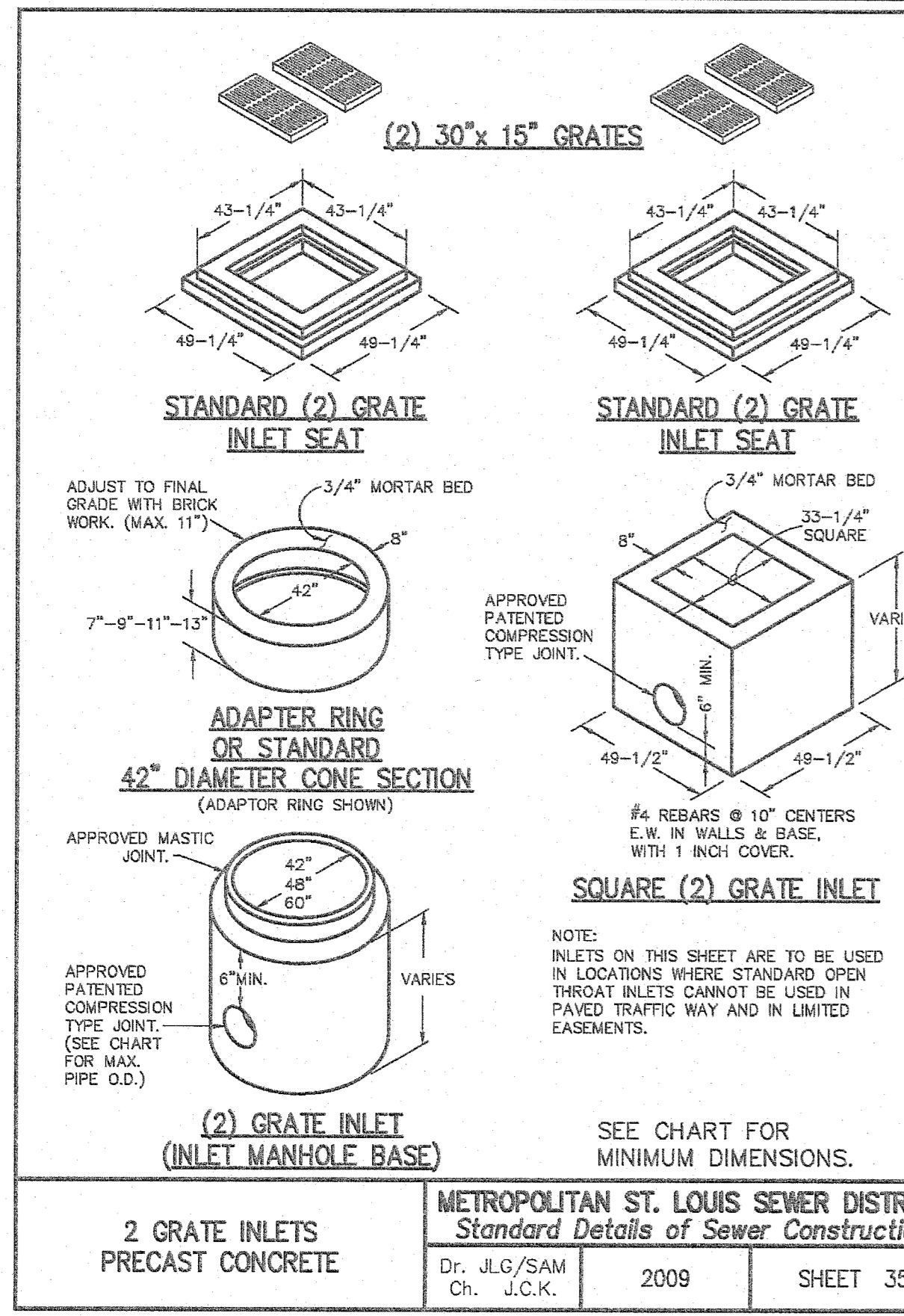
© 2018 The Cannon Corporation



PIPE BEDDING CLASS "C"
(FOR ALL 6" TO 18" PIPE EXCEPT REINFORCED CONCRETE PIPE)

METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction

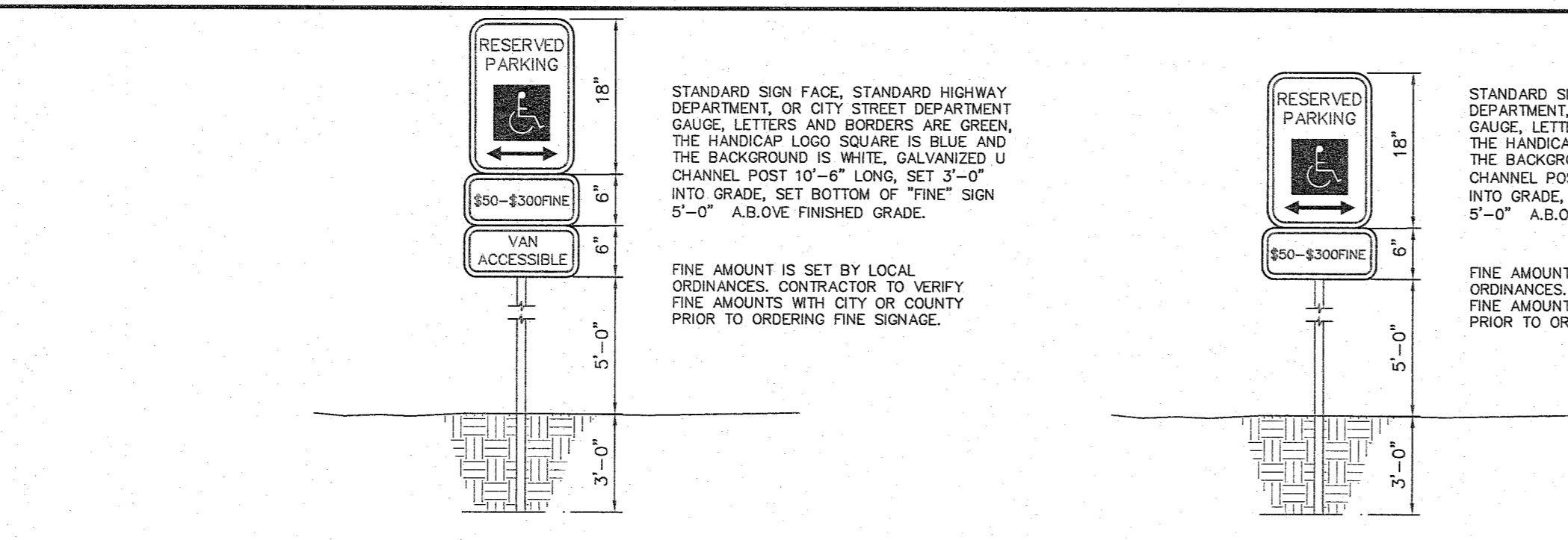
Dr. W.S.H. Ch. J.C.K. 2009 SHEET 4



2 GRATE INLETS
PRECAST CONCRETE

METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction

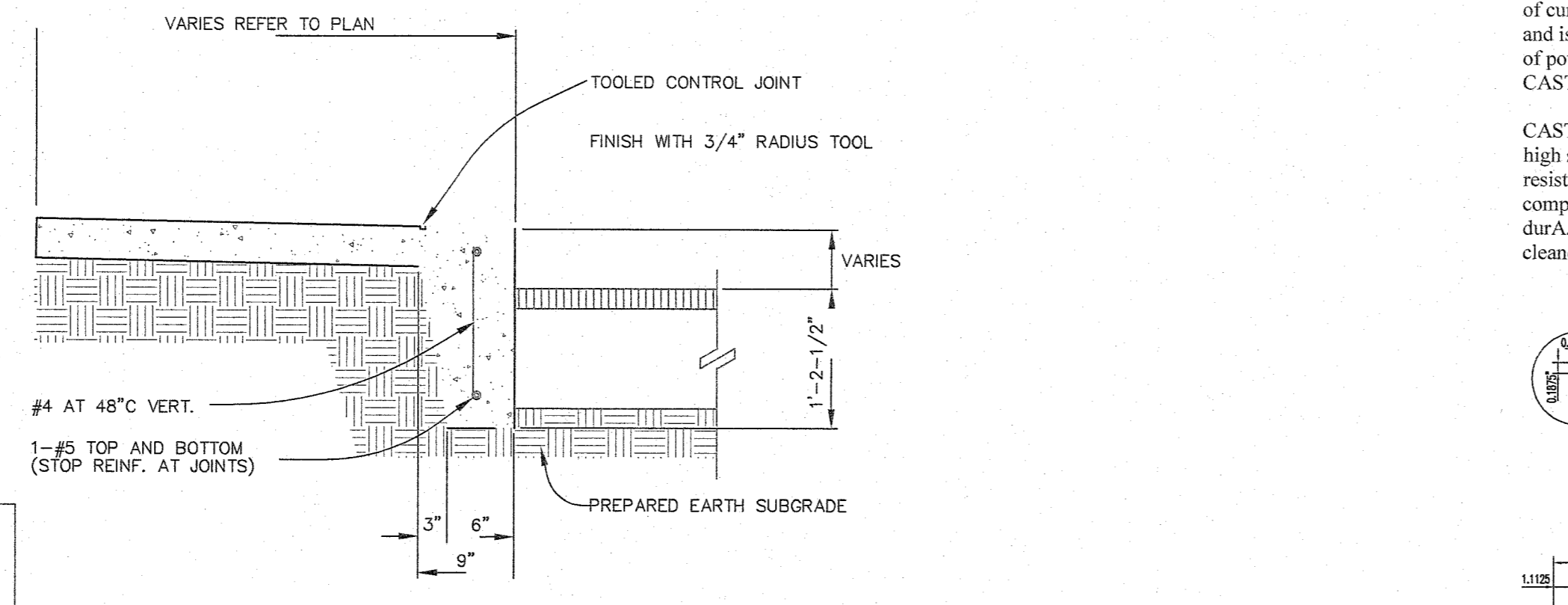
Dr. J.C.G./S.A.M. Ch. J.C.K. 2009 SHEET 35



ACCESSIBLE VAN PARKING SIGN
NOT TO SCALE

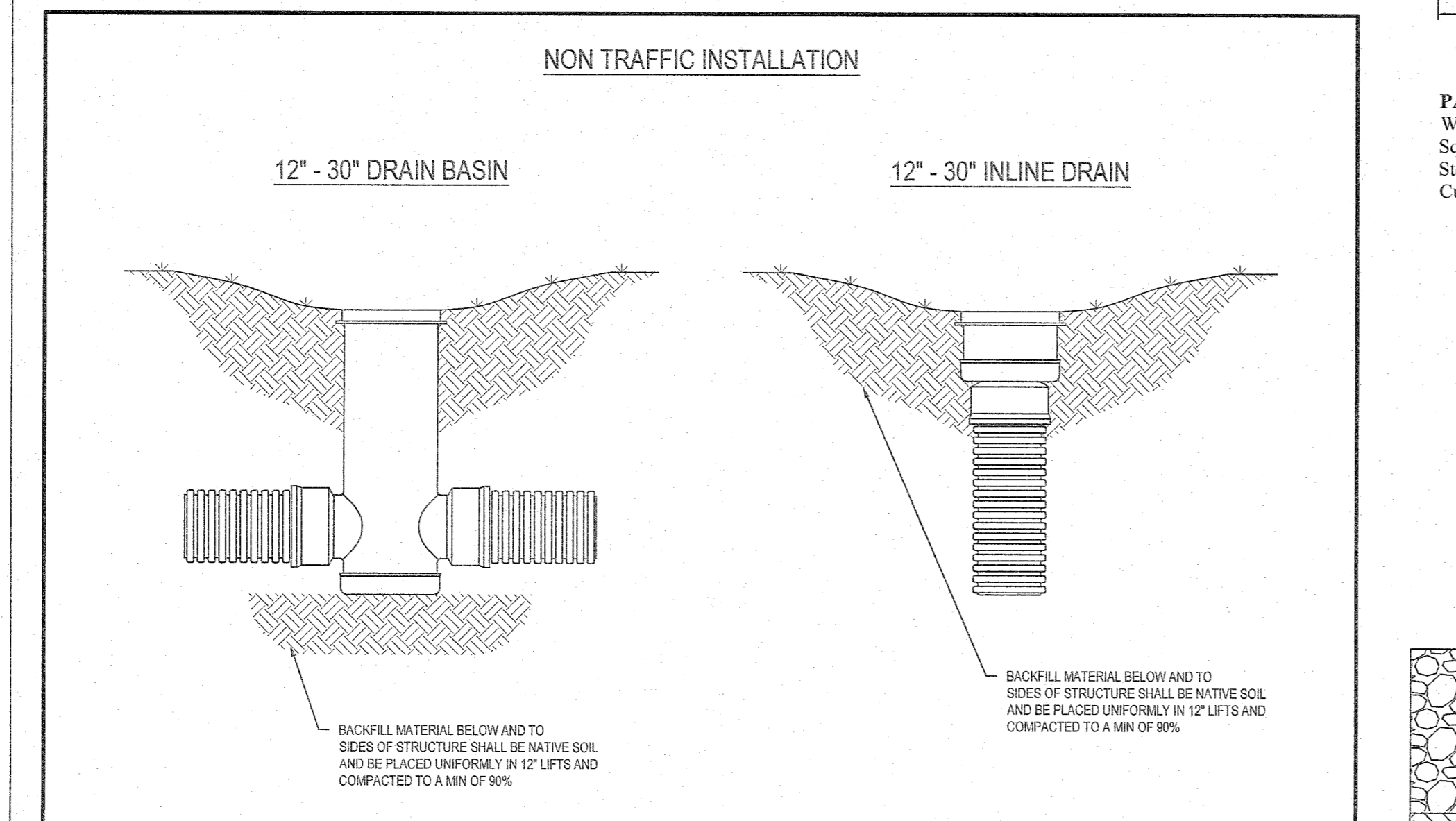
ACCESSIBLE CAR PARKING SIGN
NOT TO SCALE

ALL SIGN POSTS AND BACKS ARE TO BE PAINTED BLACK IN ACCORDANCE TO NOTE #19



TURNED DOWN CONCRETE WALK
NOT TO SCALE

PROVIDE 1/2" PREMOULDED EXPANSION JOINT FILLER AT 60' CENTERS
PROVIDE TOOLED CONTRACTION JOINTS AT 10' C.C.

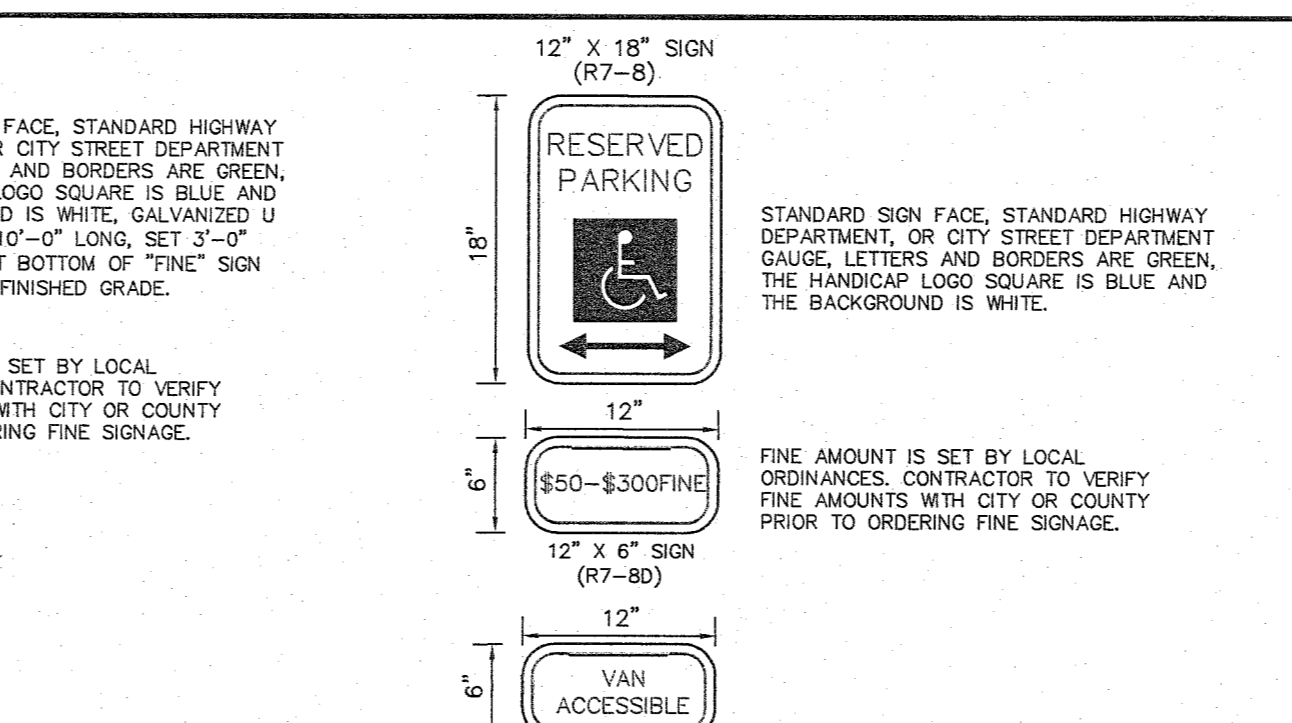


NON TRAFFIC INSTALLATION

12' - 30" DRAIN BASIN

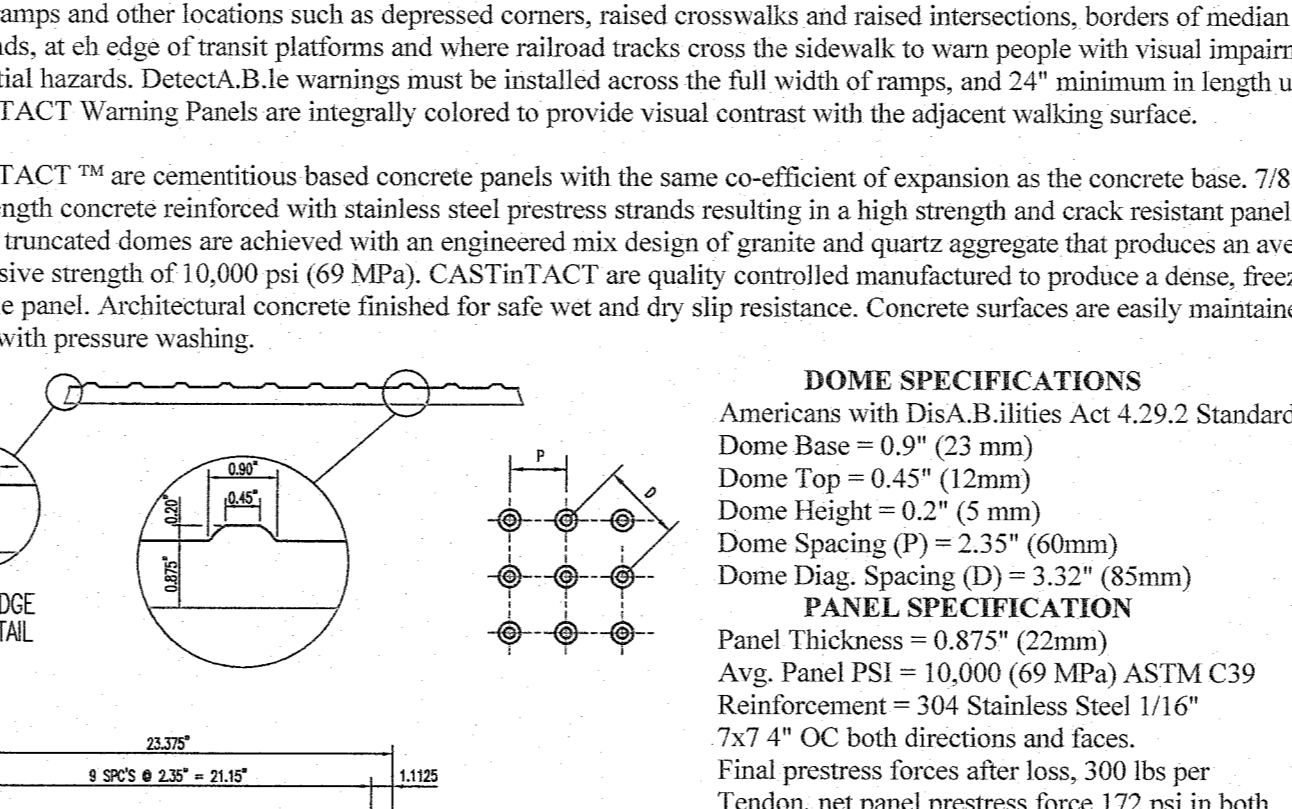
12' - 30" INLINE DRAIN

DATE	03-09	BY	CIA
APPROVED	03-09	BY	CIA
DWG. NO.	123	SHEET	01 OF 1



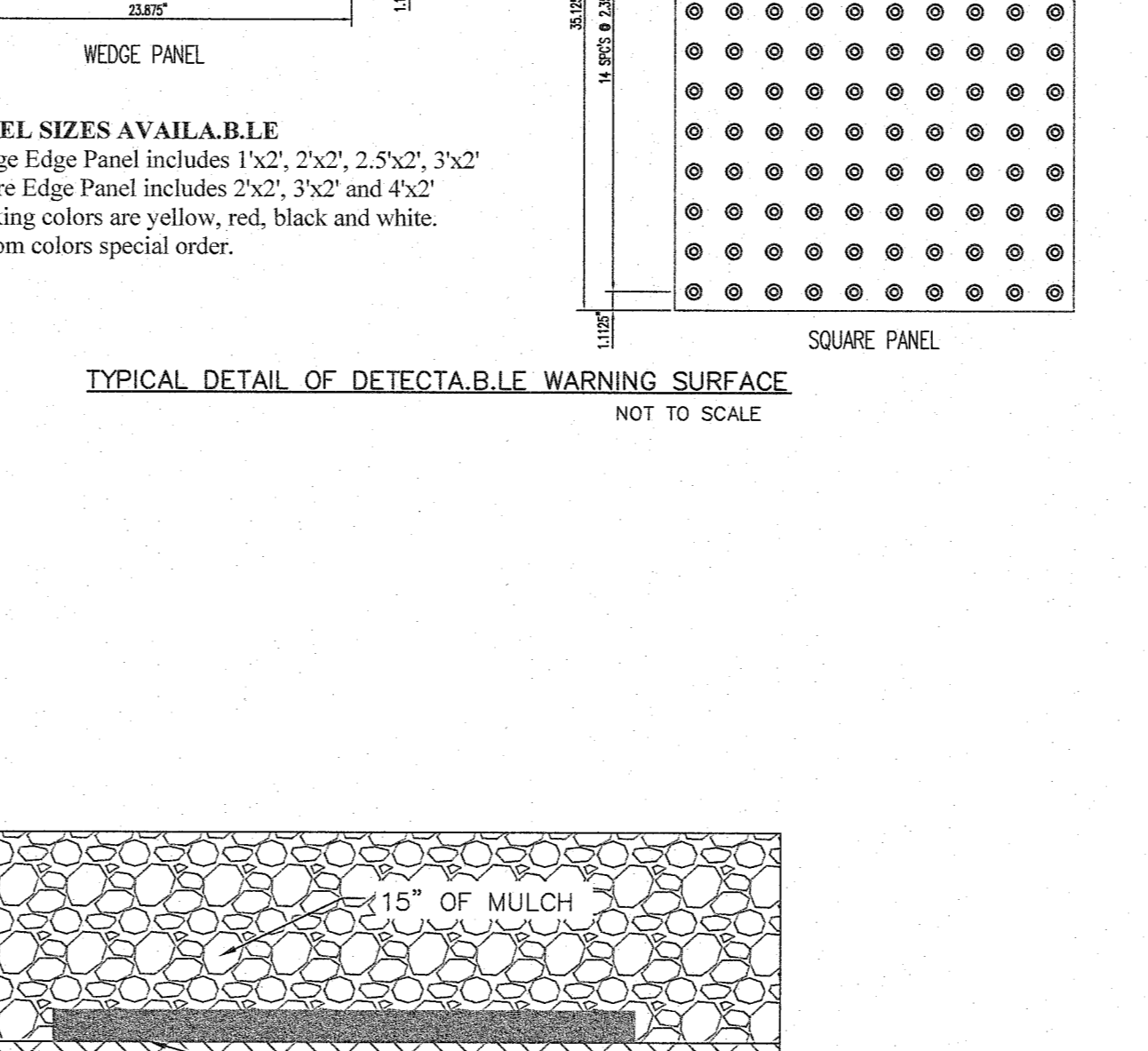
VAN ACCESSIBLE PARKING SIGN
NOT TO SCALE

ALL SIGN POSTS AND BACKS ARE TO BE PAINTED BLACK IN ACCORDANCE TO NOTE #19

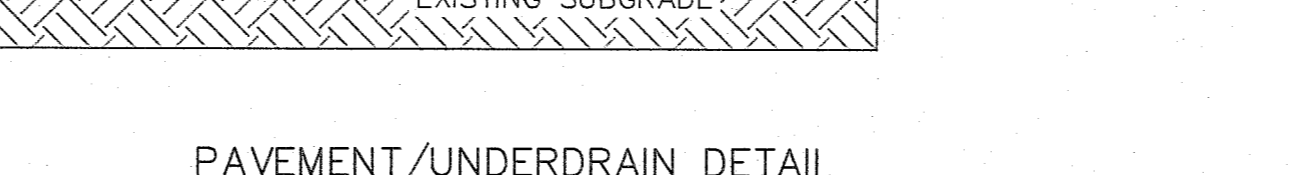


STEP AND RAILING DETAIL
NOT TO SCALE

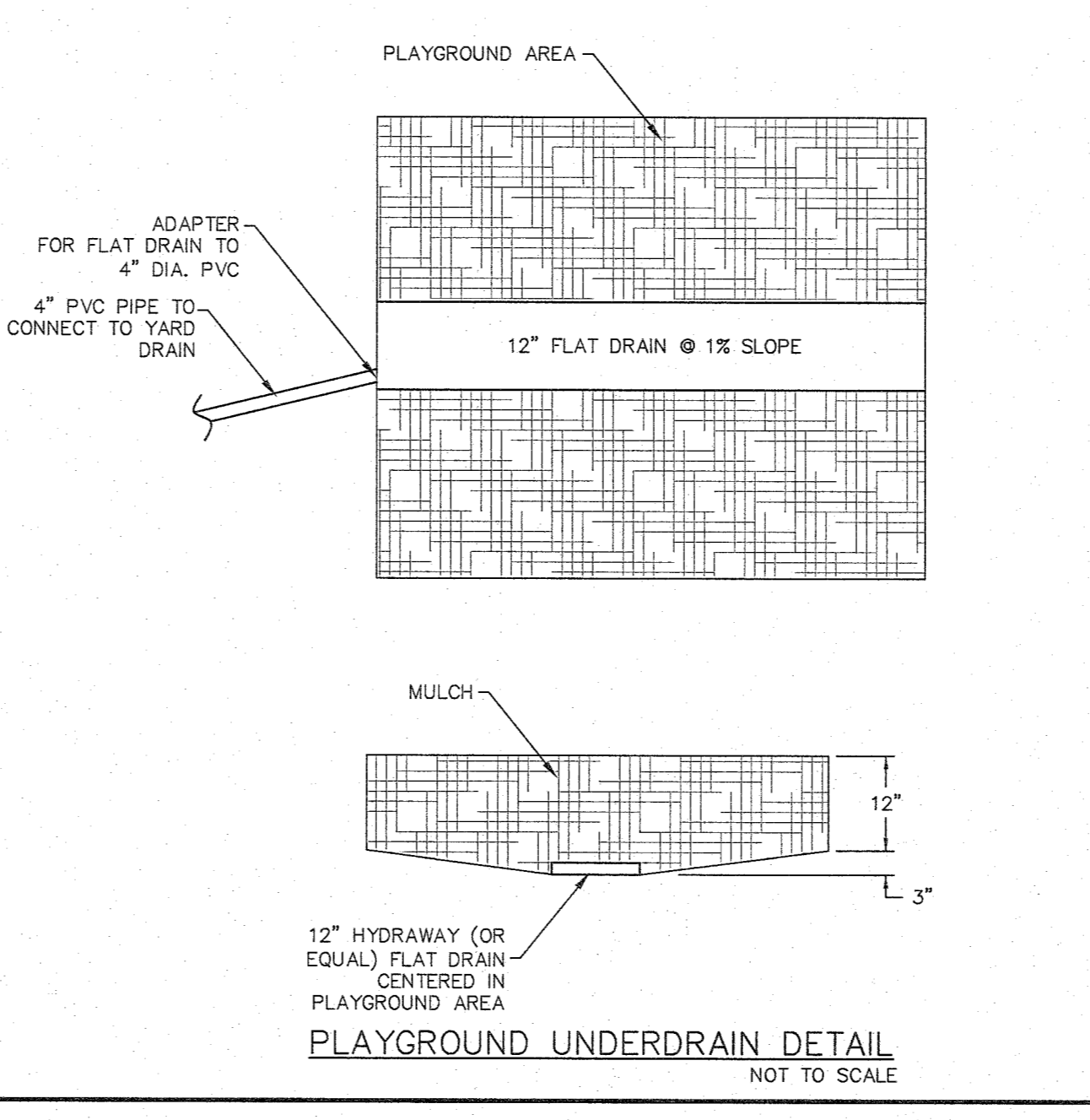
PROVIDE 1/2" PREMOULDED EXPANSION JOINT FILLER AT 60' CENTERS
PROVIDE TOOLED CONTRACTION JOINTS AT 10' C.C.



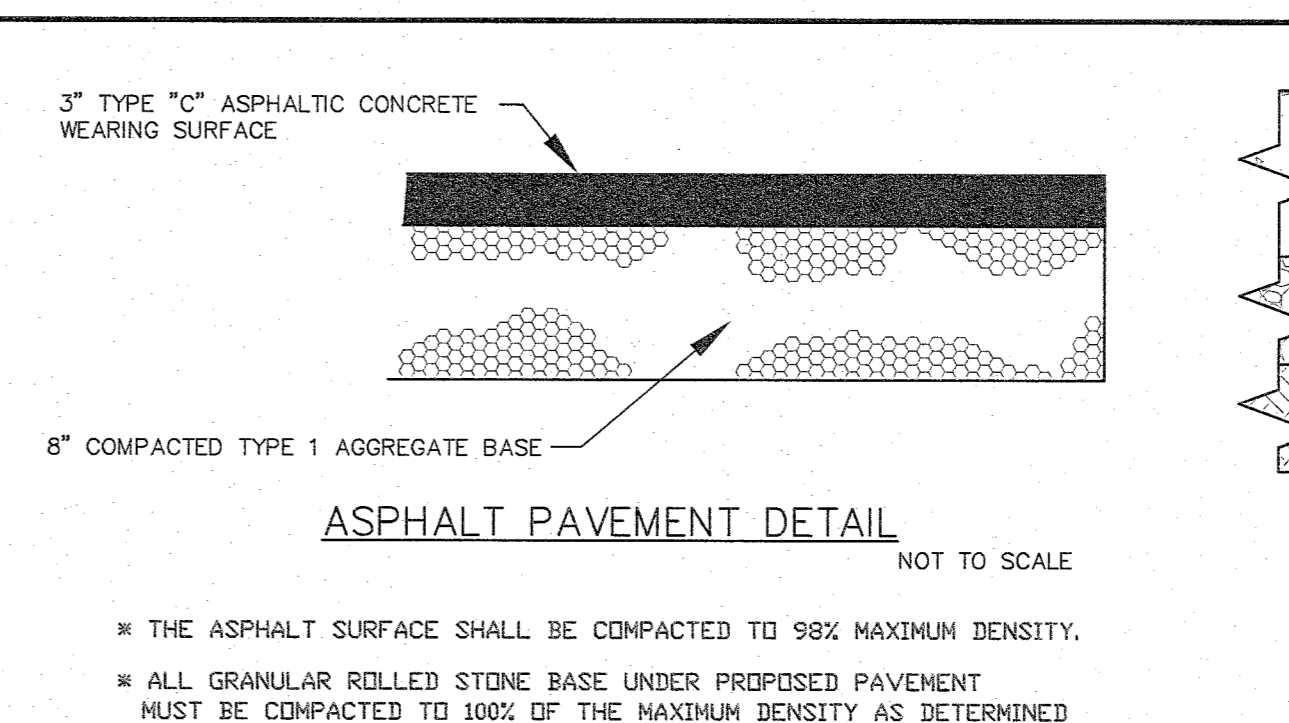
TYPICAL DETAIL OF DETECTABLE WARNING SURFACE
NOT TO SCALE



PAVEMENT/UNDERDRAIN DETAIL
NOT TO SCALE

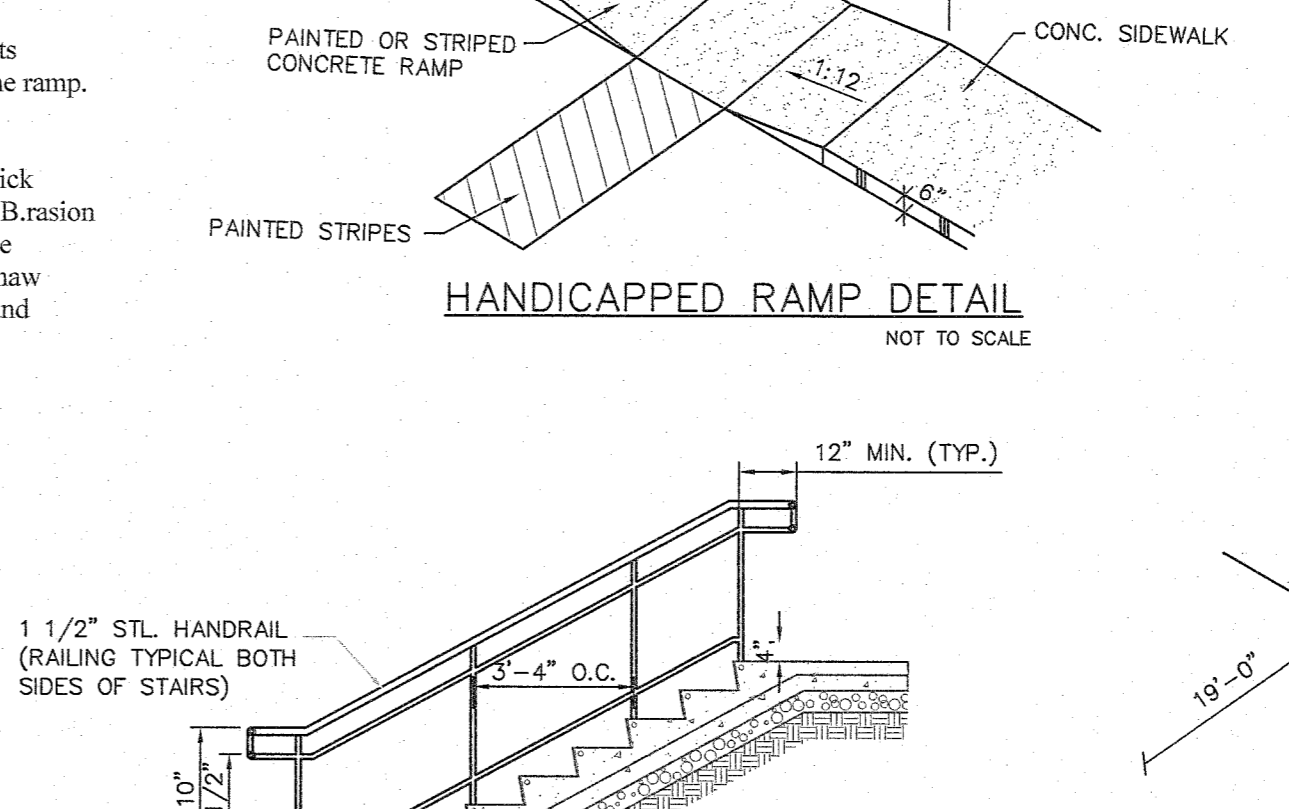


PLAYGROUND UNDERDRAIN DETAIL
NOT TO SCALE



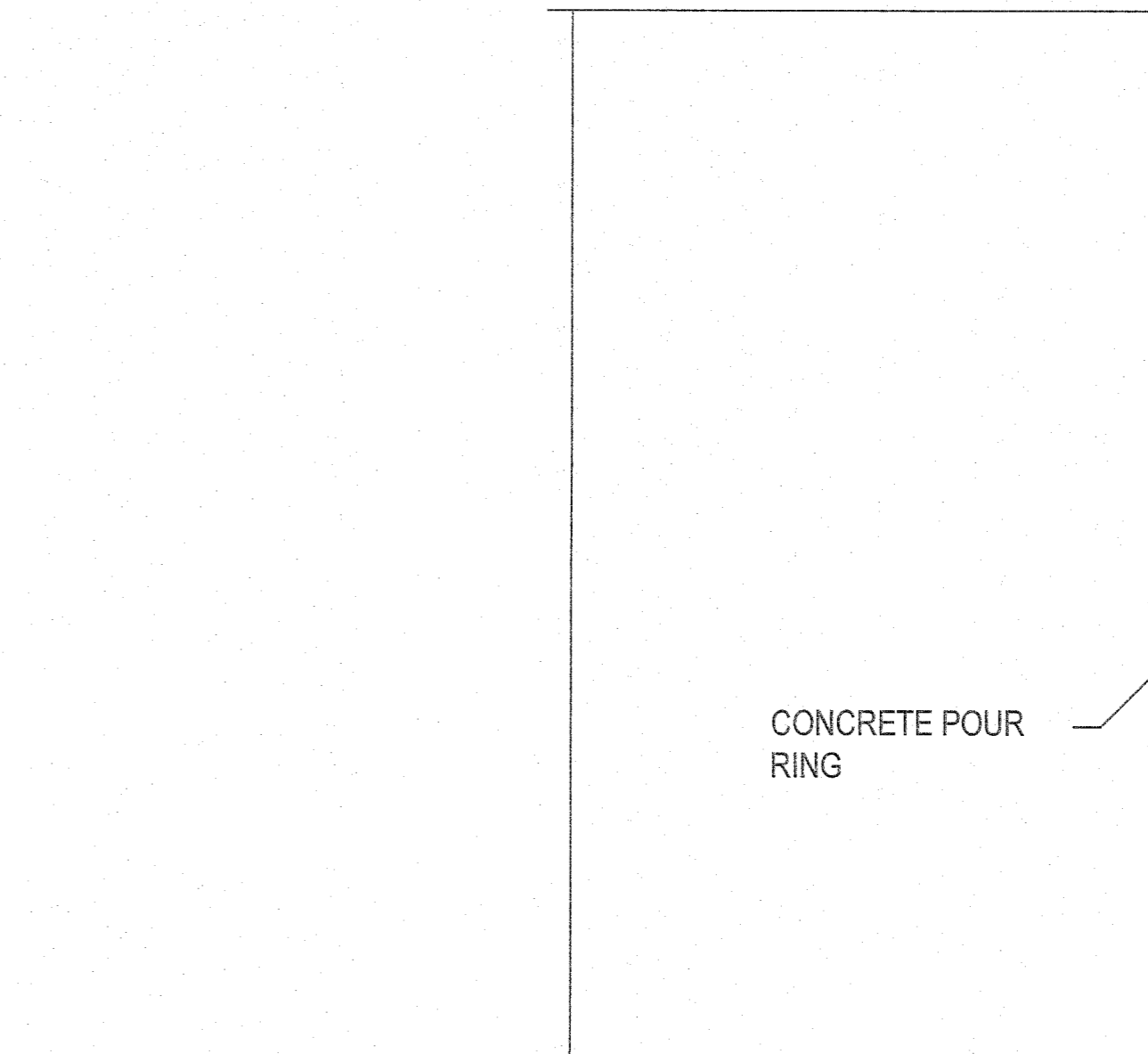
ASPHALT PAVEMENT DETAIL
NOT TO SCALE

* THE ASPHALT SURFACE SHALL BE COMPACTED TO 98% MAXIMUM DENSITY.
* ALL GRANULAR ROLLED STONE BASE UNDER PROPOSED PAVEMENT MUST BE COMPACTED TO 100% OF THE MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99.



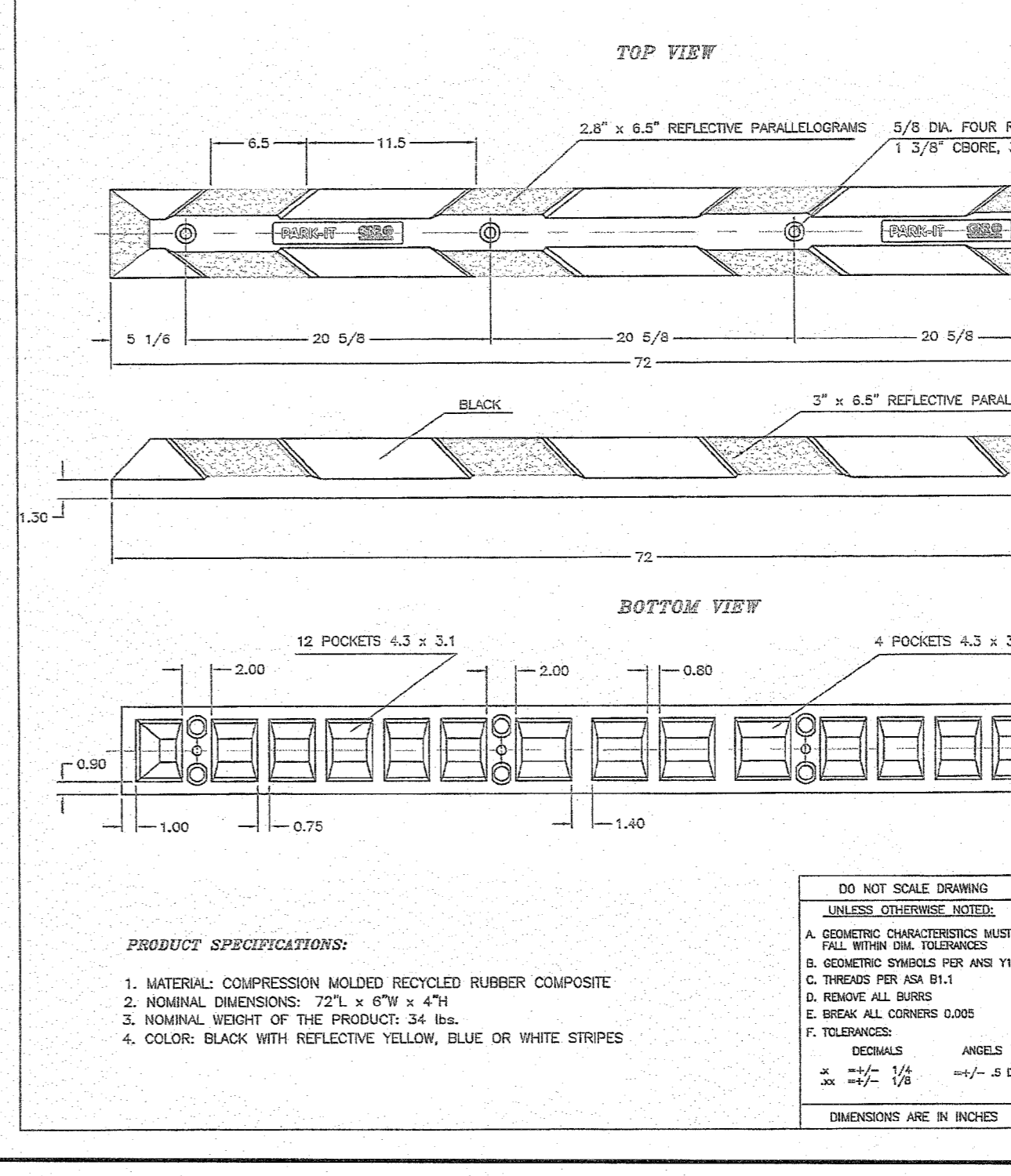
HANDICAPPED RAMP DETAIL
NOT TO SCALE

PROVIDE 1/2" PREMOULDED EXPANSION JOINT FILLER AT 60' CENTERS
PROVIDE TOOLED CONTRACTION JOINTS AT 10' C.C.

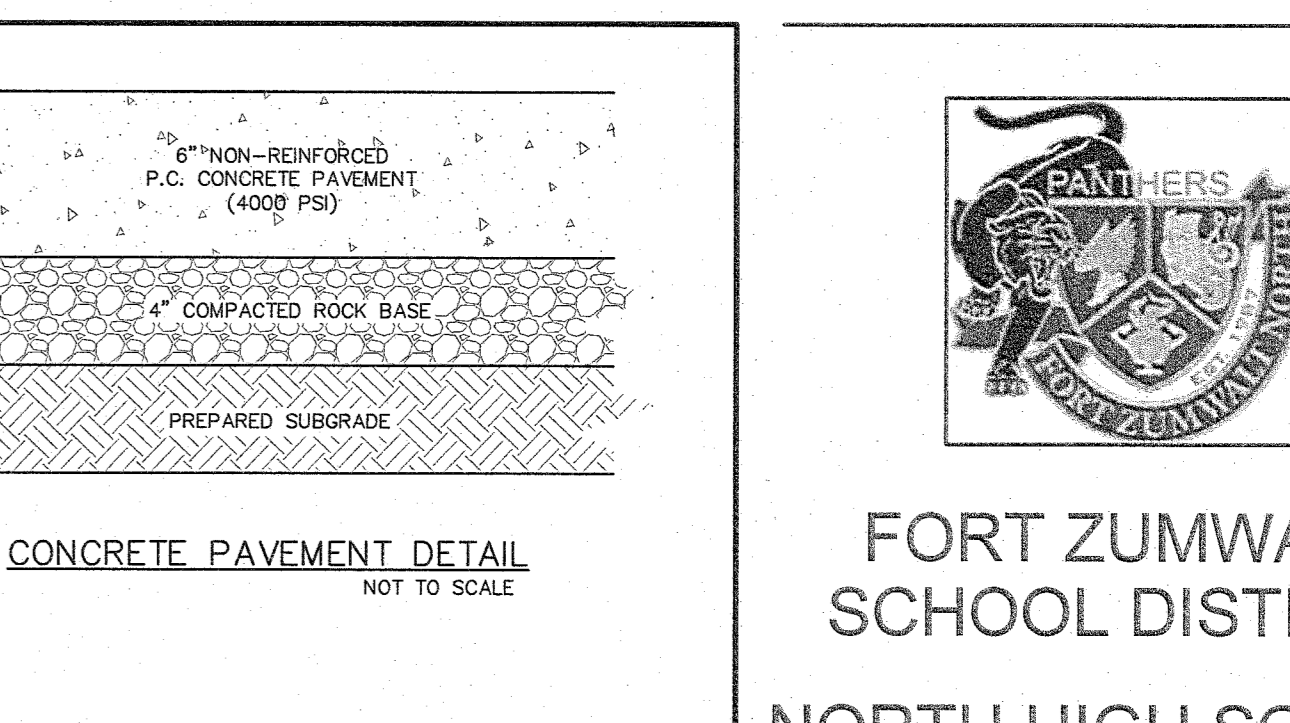


GRATE OR SOLID COVER
CONCRETE POUR RING
DECK DRAIN BODY

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONSTITUTE A TRANSFER OR LICENSE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN OR MANUFACTURE OF ANY ARTICLE HEREFROM FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.

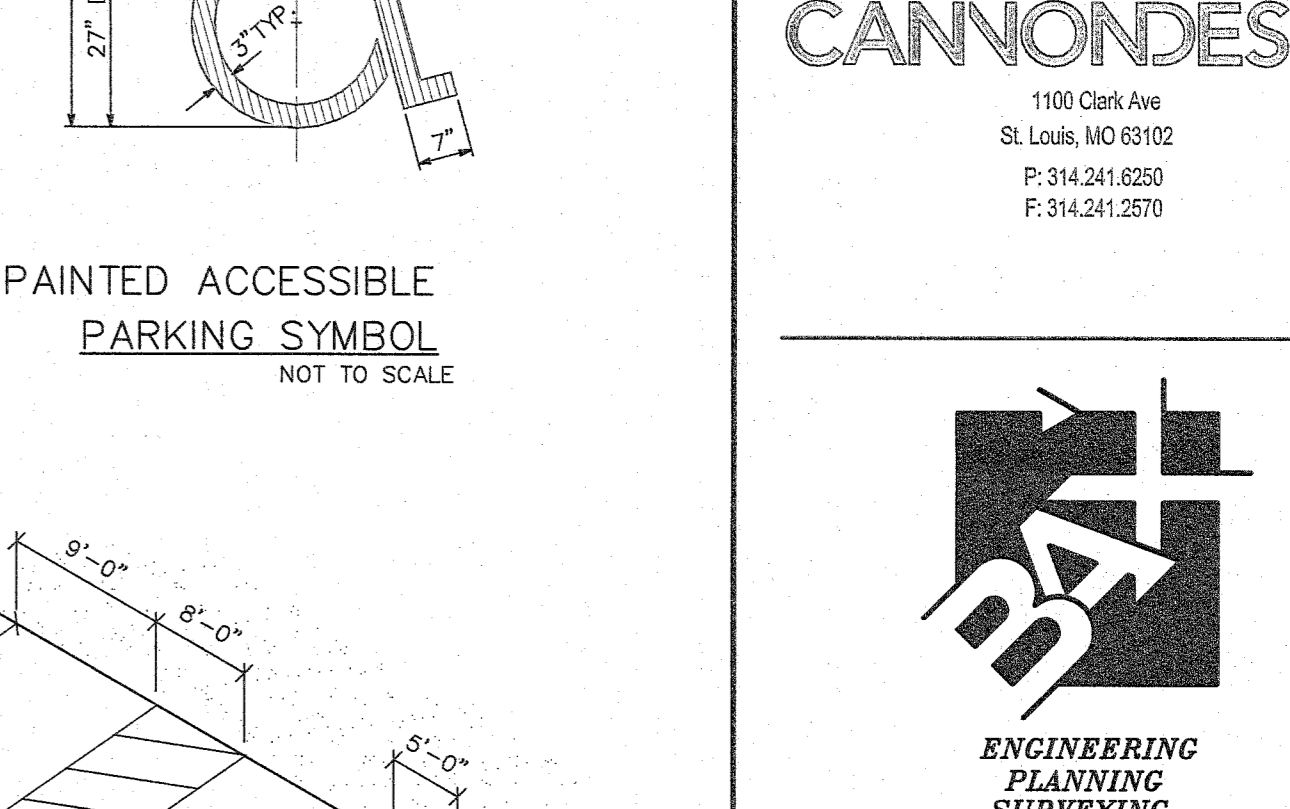


RUBBER PARKING CURB
MODEL 6 FT
GND007



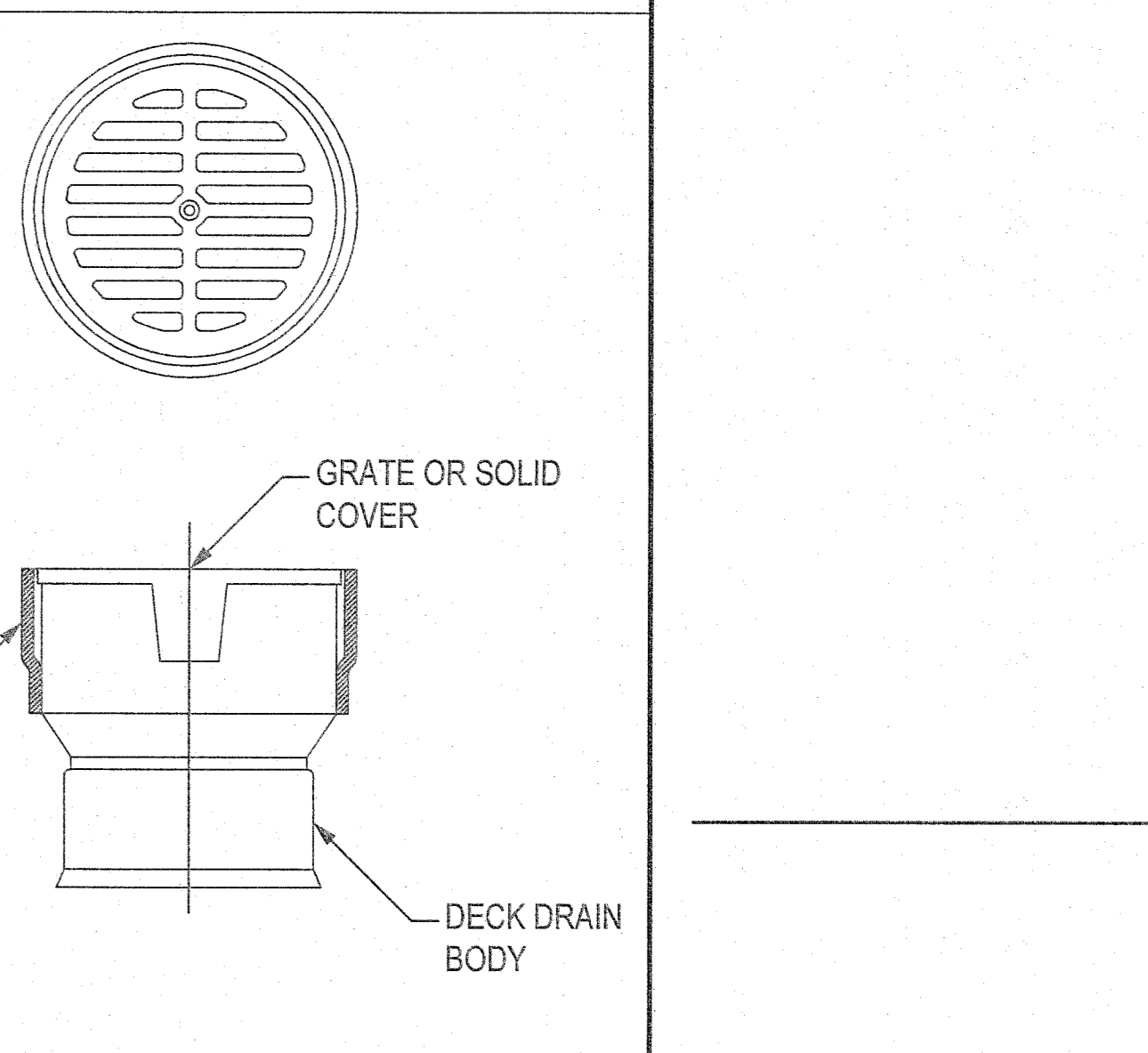
CONCRETE PAVEMENT DETAIL
NOT TO SCALE

PROVIDE 1/2" PREMOULDED EXPANSION JOINT FILLER AT 60' CENTERS
PROVIDE TOOLED CONTRACTION JOINTS AT 10' C.C.



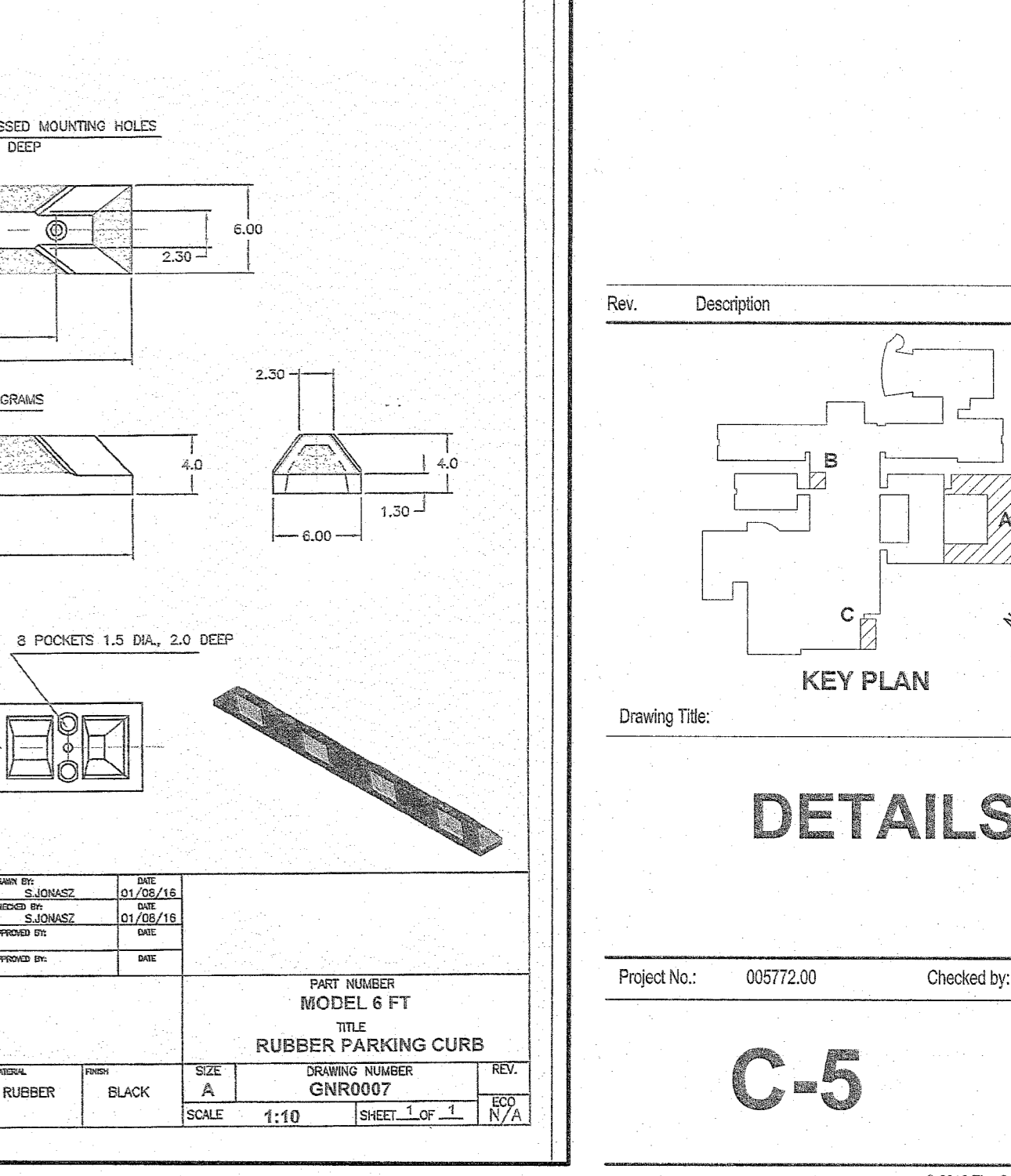
PAINTED ACCESSIBLE PARKING SYMBOL
NOT TO SCALE

PROVIDE 1/2" PREMOULDED EXPANSION JOINT FILLER AT 60' CENTERS
PROVIDE TOOLED CONTRACTION JOINTS AT 10' C.C.



CONCRETE POUR RING
GRATE OR SOLID COVER
DECK DRAIN BODY

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONSTITUTE A TRANSFER OR LICENSE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN OR MANUFACTURE OF ANY ARTICLE HEREFROM FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.



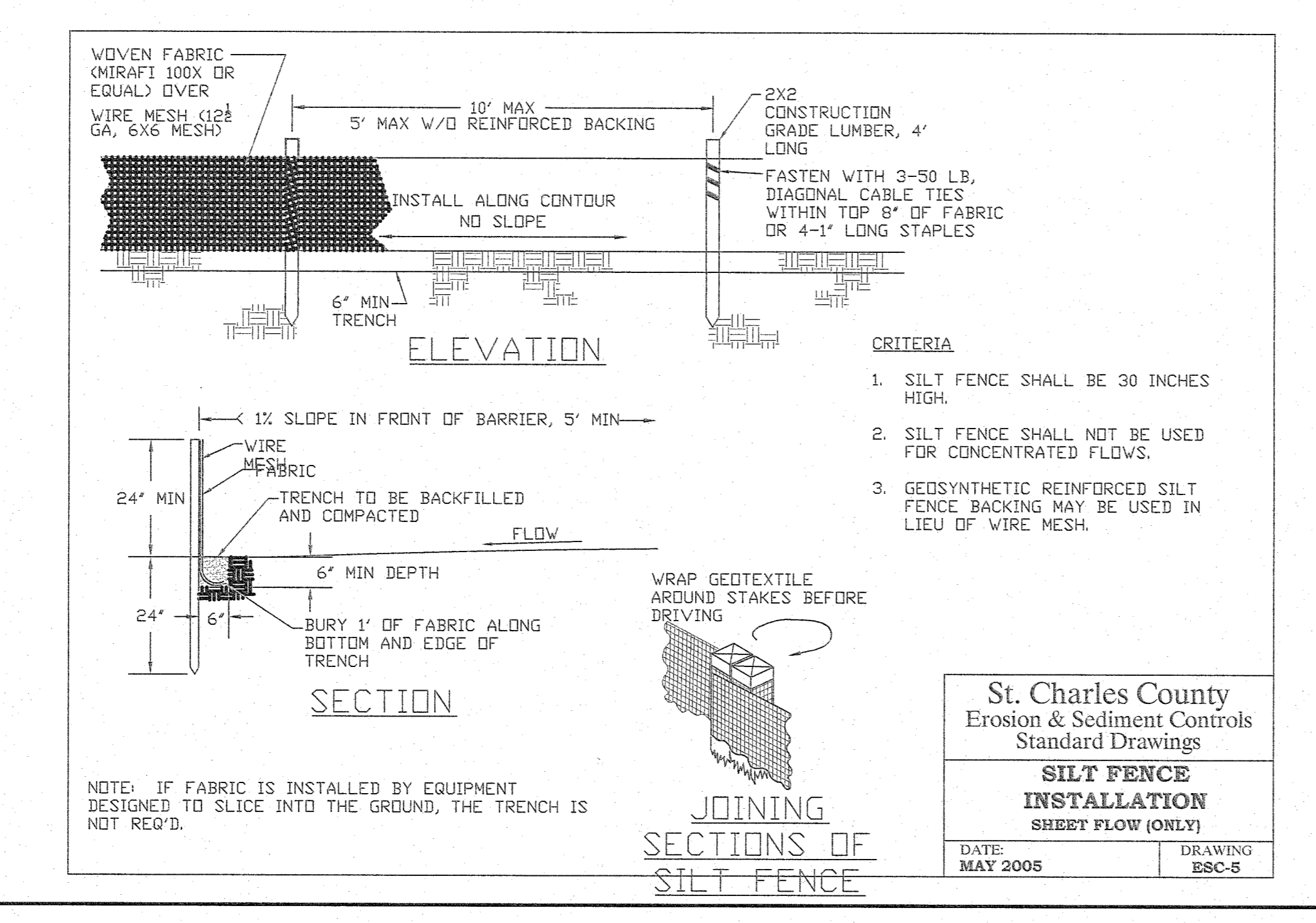
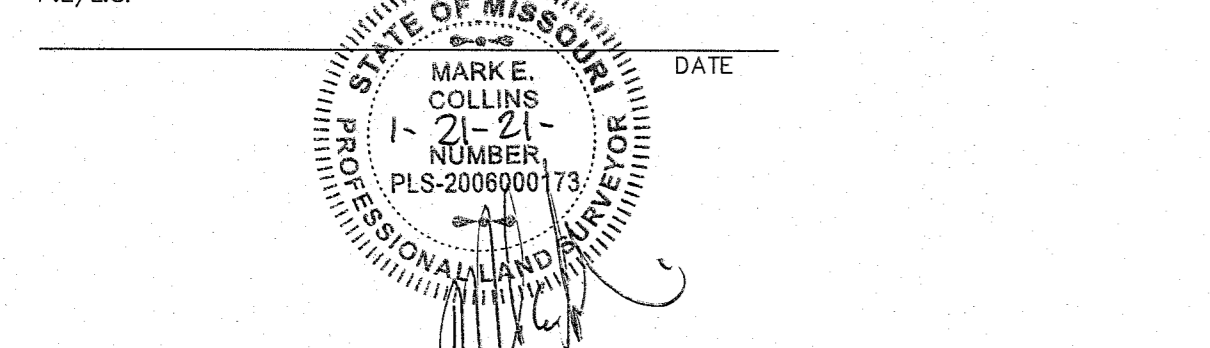
KEY PLAN

AS-BUILT PUBLIC UTILITY FINAL MEASUREMENTS

THE FOLLOWING UTILITIES HAVE BEEN LOCATED AND MEASURED AND THE RESULTS OF THOSE MEASUREMENTS ARE SHOWN ON THIS SET OF FINAL MEASUREMENT PLANS:

- STORM SEWERS, STORM SEWER LENGTHS, STORM SEWER PIPE SIZES, STORM SEWER FLOWLINES AND DEPTHS OF STORM SEWER STRUCTURES.
- SANITARY SEWERS, SANITARY SEWER LENGTHS, SANITARY SEWER PIPE SIZES, SANITARY SEWER FLOWLINES AND DEPTHS OF SANITARY SEWER STRUCTURES.
- FIRE HYDRANTS
- WATER VALVES
- LIGHT STANDARDS
- CURBS AND PAVEMENT FOR NEW PARKING AREAS

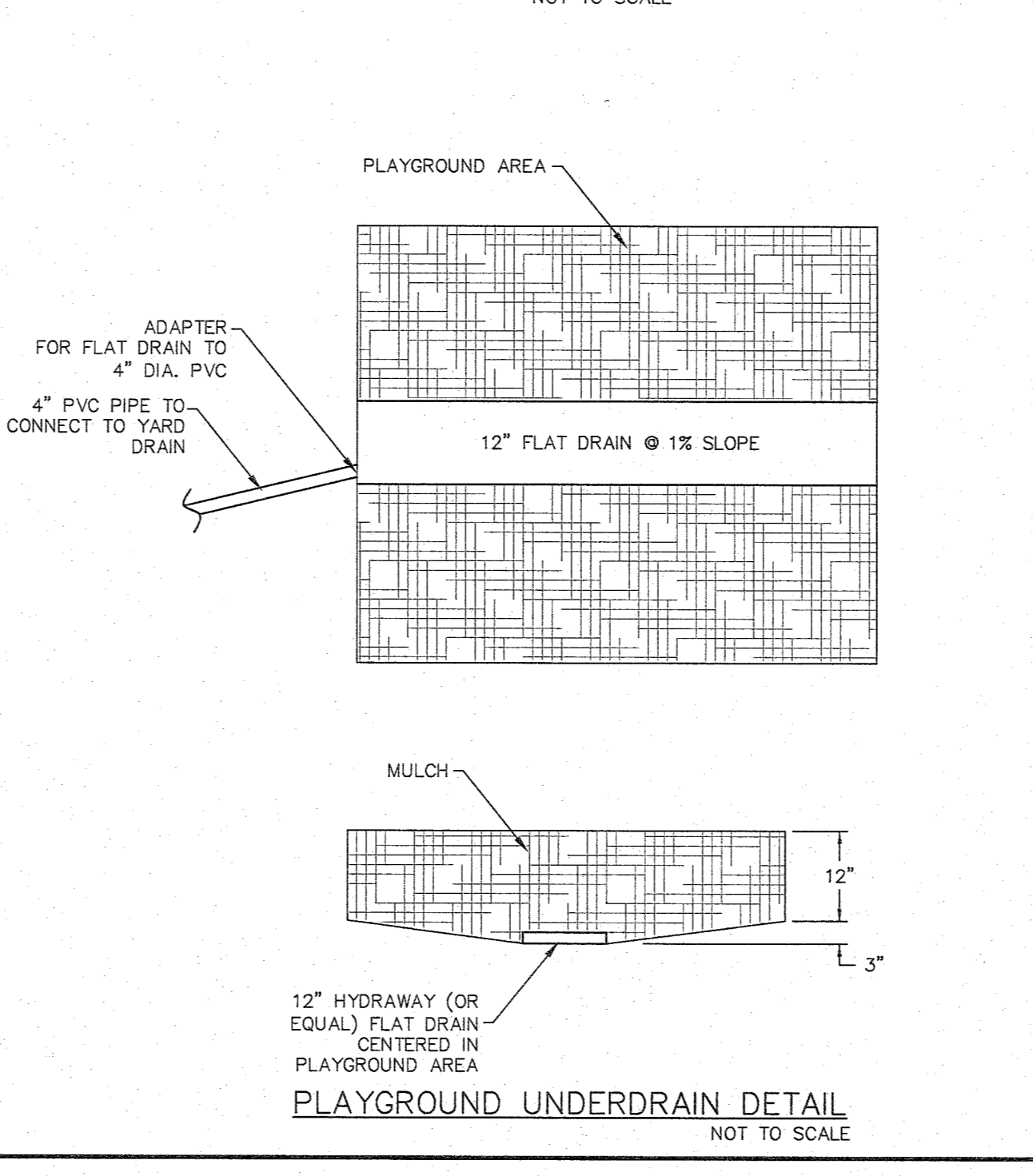
ALL PUBLIC UTILITIES SHOWN HEREON AS BEING AS-BUILT ARE LOCATED WITHIN DESIGNATED EXISTING OR PROPOSED EASEMENTS.



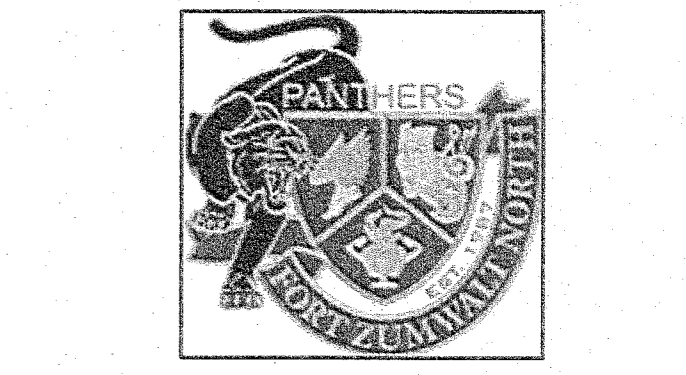
SILT FENCE INSTALLATION SHEET FLOW (ONLY)

St. Charles County Erosion & Sediment Controls Standard Drawings

DATE: MAY 2005 DRAWING: ESC-5



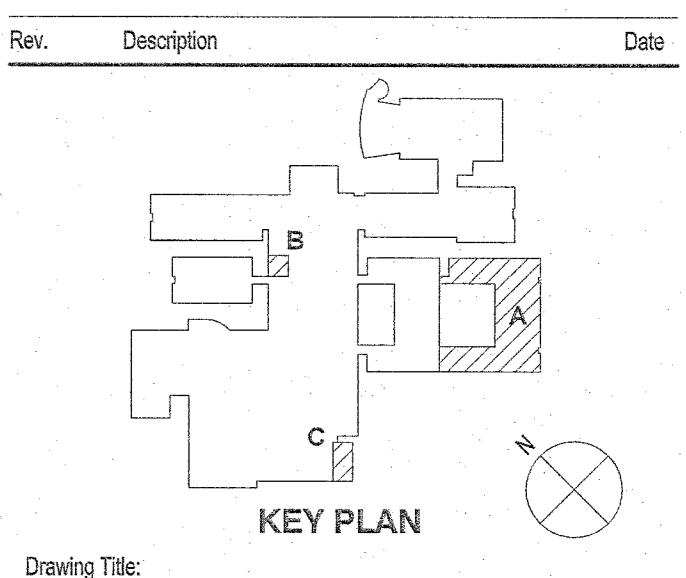
PLAYGROUND UNDERDRAIN DETAIL
NOT TO SCALE



FORT ZUMWALT SCHOOL DISTRICT
NORTH HIGH SCHOOL
ADDITIONS & RENOVATIONS

CANNONDESIGN
1100 Clerk Ave
St. Louis, MO 63102
P: 314.361.6260
F: 314.241.2570

BAX
ENGINEERING SURVEYING
221 Point West Blvd.
St. Charles, MO 63301
636-928-6562
FAX 928-1716



DETAILS

Project No.: 03572.00 Checked by: CHK

C-5