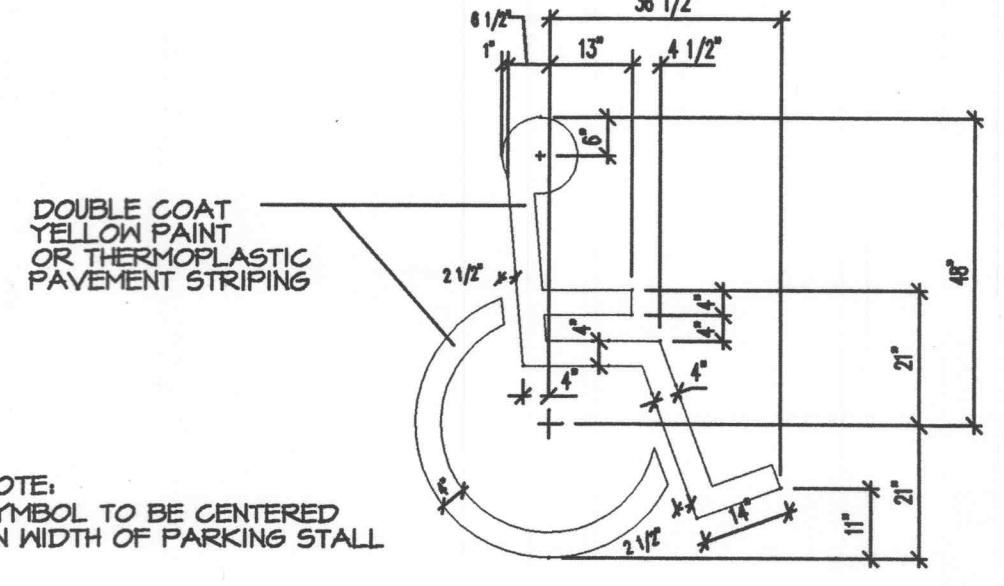


**GENERAL SPECIFICATIONS**

- ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES. IN CASE OF CONFLICT, THE LOCAL CODE SHALL TAKE PRECEDENCE.
- CODES OF THE MISSOURI ENVIRONMENTAL PROTECTION AGENCY AND OSHA SHALL BE ADHERED TO FOR THE CONSTRUCTION OF THIS PROJECT.
- ALL REQUIRED PERMITS FROM THE PROPER GOVERNING AGENCY SHALL BE OBTAINED FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHEETING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE AGENCY, AT THE CONTRACTOR'S OWN EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC.
- THE LOCAL ENGINEERING DEPARTMENT SHALL BE NOTIFIED 48 HOURS PRIOR TO CONSTRUCTION OF VARIOUS PUBLIC IMPROVEMENTS, OF ALL STREET AND DRAINAGE IMPROVEMENT CONSTRUCTION AND/OR TESTING, AND OF ALL WATER MAIN AND SANITARY SEWER IMPROVEMENT CONSTRUCTION AND/OR TESTING.
- ALL UTILITY COMPANIES (GAS, ELECTRIC, TELEPHONE, CABLE, ETC.) AND THE MUNICIPALITY SHALL BE NOTIFIED TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION IN ORDER TO AVOID CONFLICTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER INDICATED ON PLANS OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL PRIVATE AND PUBLIC UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE UTILITY OWNER BY THE CONTRACTOR.
- EASEMENTS FOR EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE SURVEY INCLUDE IN THE PLAN SET ACCORDING TO INFORMATION AVAILABLE FROM PUBLIC RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, IN THE FIELD, OF THESE UTILITY LINES AND FOR THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.
- ALL UTILITY CONNECTIONS TO EXISTING LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS AND TO THE SATISFACTION OF THE UTILITY OWNERS.
- FIELD CHECK ALL DIMENSIONS, COORDINATES, AND ELEVATIONS BEFORE PROCEEDING WITH NEW WORK. NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
- ALL PROPERTY MARKERS AND REFERENCE MARKERS SHALL BE CAREFULLY PRESERVED DURING CONSTRUCTION UNTIL THEIR LOCATION HAS BEEN WITNESSED OR OTHERWISE TIED IN BY AN AUTHORIZED AGENT OR SURVEYOR.
- THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS SHALL BE PROVIDED WHERE OPERATIONS AFFECT PUBLIC THROUGH-FARES AND ADJACENT PROPERTY.
- ANY AREA OUTSIDE THE PROPERTY LINE USED BY THE GENERAL OR SUB-CONTRACTORS SHALL BE RETURNED TO THE STATE IT WAS FOUND PRIOR TO NEW CONSTRUCTION, EXCEPT WHERE NEW WORK IS SHOWN.
- ALL PUBLIC R.O.W. GREEN AREAS SHALL BE RESTORED WITH 4" TOP SOIL AND SODDING.
- NO BURNING OR INCINERATION OR RUBBISH WILL BE PERMITTED ON SITE.
- PROPOSED ELEVATIONS INDICATE FINISHED CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THICKNESS OF PROPOSED PAVING (ROADS, WALKS, DRIVE, ETC.) OR TOPSOIL AS SHOWN.
- PROVIDE SMOOTH VERTICAL CURVES THROUGH HIGH AND LOW POINTS AS INDICATED BY SPOT ELEVATIONS. PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES. AVOID RIDGES AND DEPRESSIONS.
- ALL TOP OF FRAMES FOR STORM AND SANITARY SEWERS AND VALVE VAULT COVERS ARE TO BE ADJUSTED TO MEET FINAL FINISH GRADE.
- BEFORE INITIAL ACCEPTANCE BY THE OWNERS/LOCAL AUTHORITY, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE OWNER AND MUNICIPALITY OR THEIR REPRESENTATIVES. THE CONTRACTOR SHALL GUARANTEE HIS WORK FOR A PERIOD OF ONE YEAR FROM THE DATE OF INITIAL ACCEPTANCE AND SHALL BE HELD RESPONSIBLE FOR ANY DEFECTS IN MATERIAL OR WORKMANSHIP OF THIS WORK DURING THAT PERIOD AND UNTIL FINAL ACCEPTANCE IS MADE.



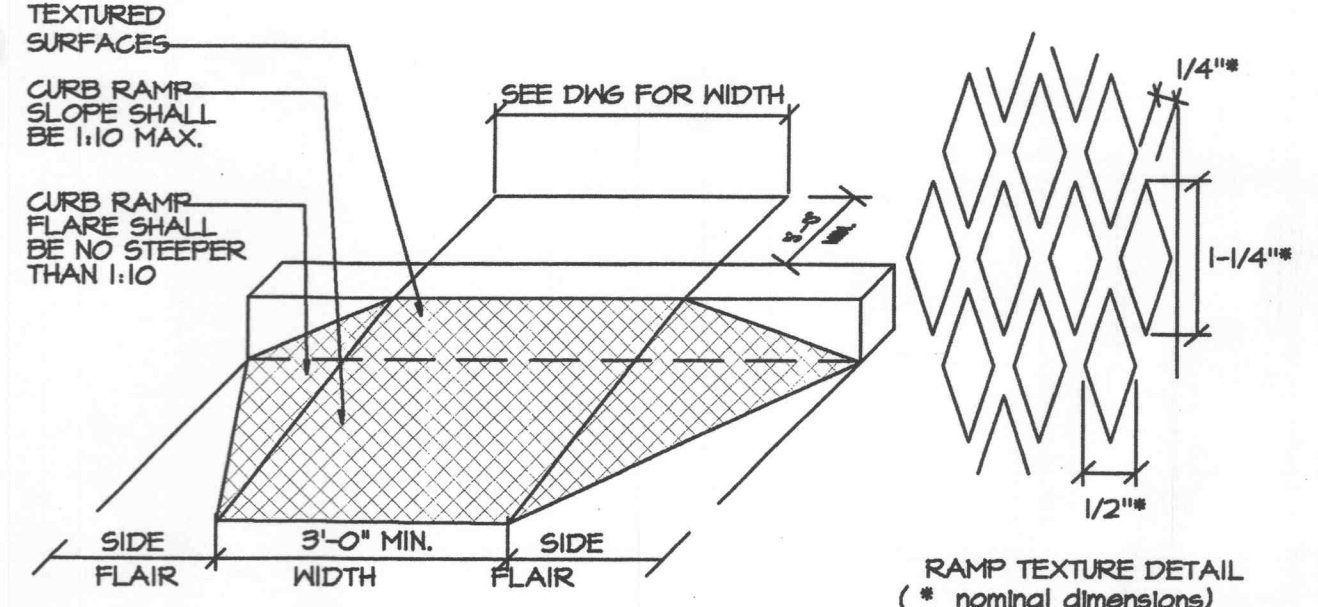
**DETAIL-HANDICAP SIGN**



**HANDICAPPED PAINTED SYMBOL**

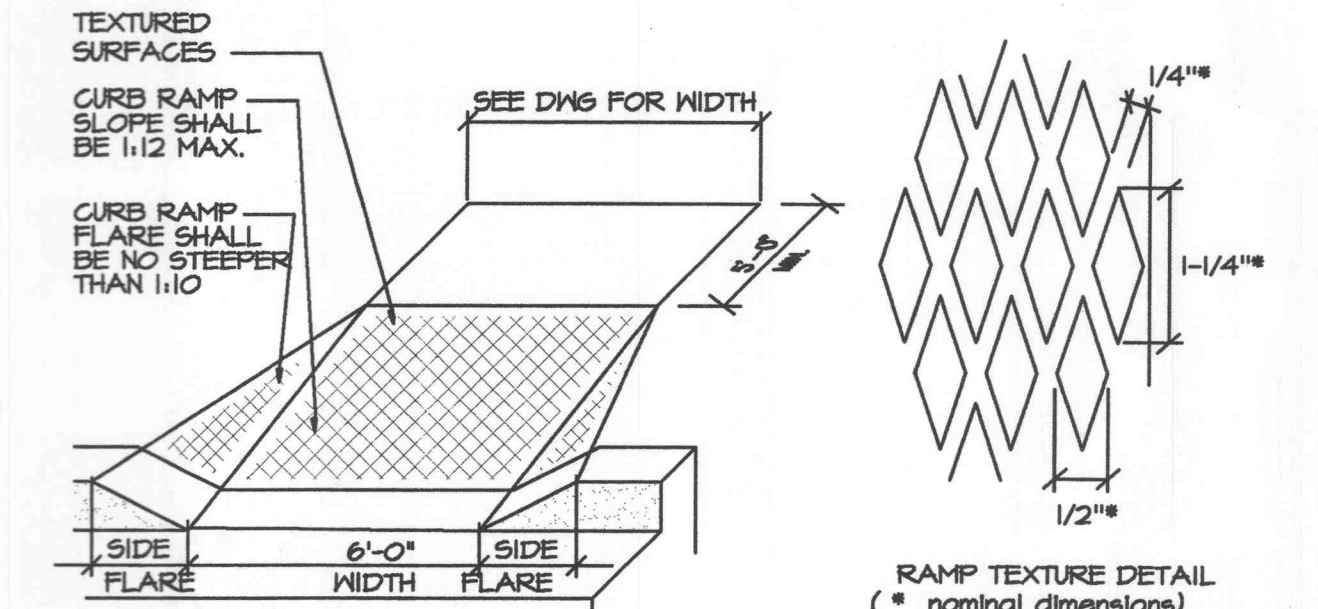
RAMP TEXTURE IS TO BE DONE WITH AN EXPANDED METAL GRATE PLACED AND REMOVED FROM CONCRETE TO LEAVE A DIAMOND PATTERN AS SHOWN, THE LONG AXIS OF THE DIAMOND IS TO BE PERPENDICULAR TO THE CURB. GROOVES SHALL BE 1/8" DEEP.

THE MAXIMUM SLOPE FOR THE SIDE FLAIR SHALL BE 1:10, HOWEVER, IF THE WIDTH OF THE LANDING AREA BETWEEN THE TOP OF THE RAMP AND AN OBSTRUCTION IS LESS THAN 40" THEN THE MAXIMUM SLOPE SHALL BE 1:12.

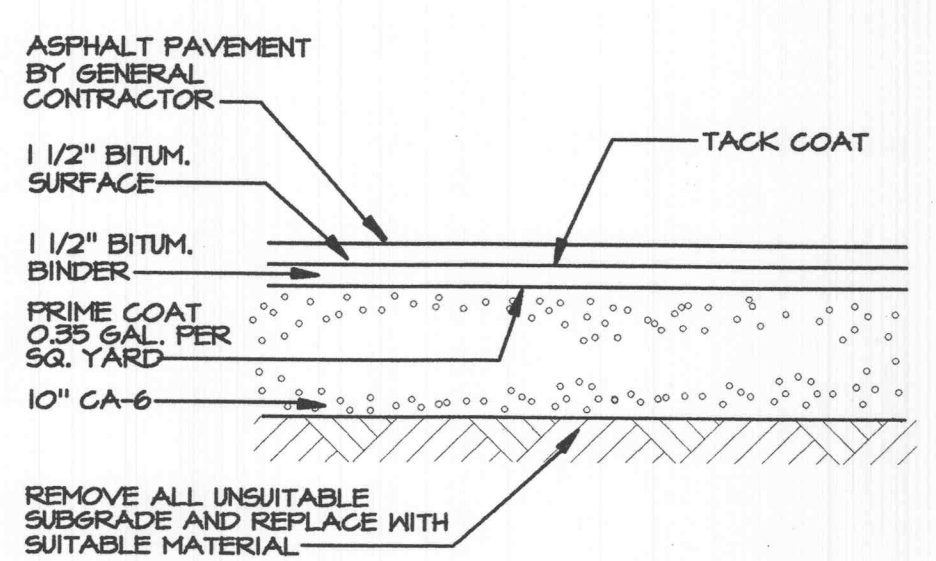


**DETAIL-HANDICAP RAMP W/ DETECTABLE WARNING**

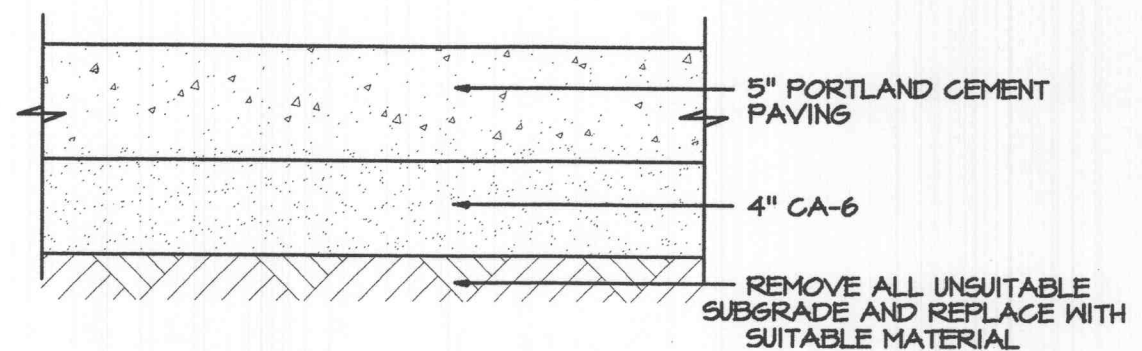
RAMP TEXTURE IS TO BE DONE WITH AN EXPANDED METAL GRATE PLACED AND REMOVED FROM SET CONCRETE TO LEAVE A DIAMOND PATTERN AS SHOWN, THE LONG AXIS OF THE DIAMOND IS TO BE PERPENDICULAR TO THE CURB. GROOVES SHALL BE 1/8" DEEP.



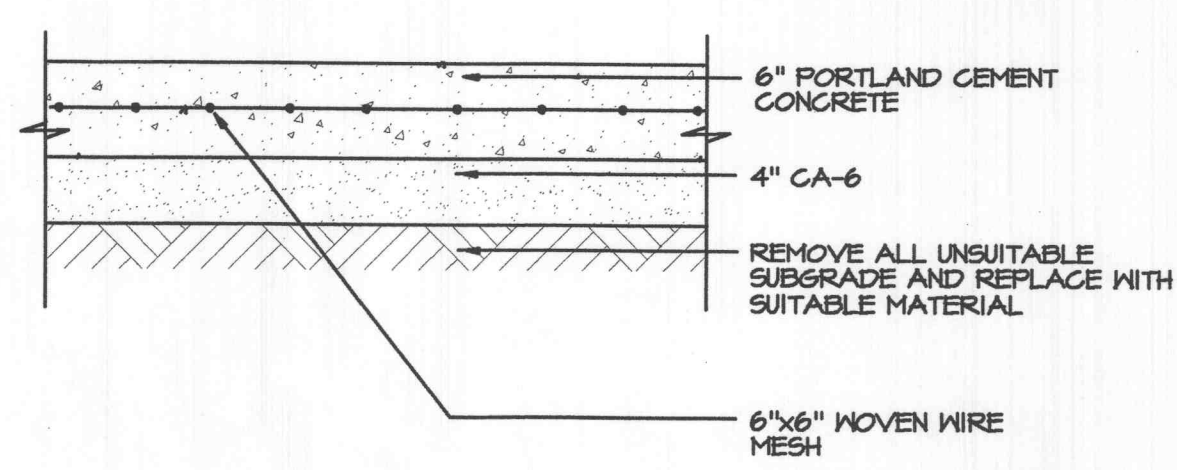
**DETAIL-CONCRETE RAMP AT TRAIL PATH**



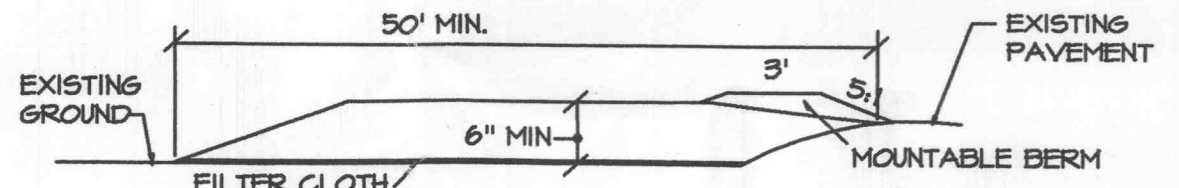
**DETAIL ASPHALT PAVEMENT**



**DETAIL-TYPICAL CONCRETE WALK**

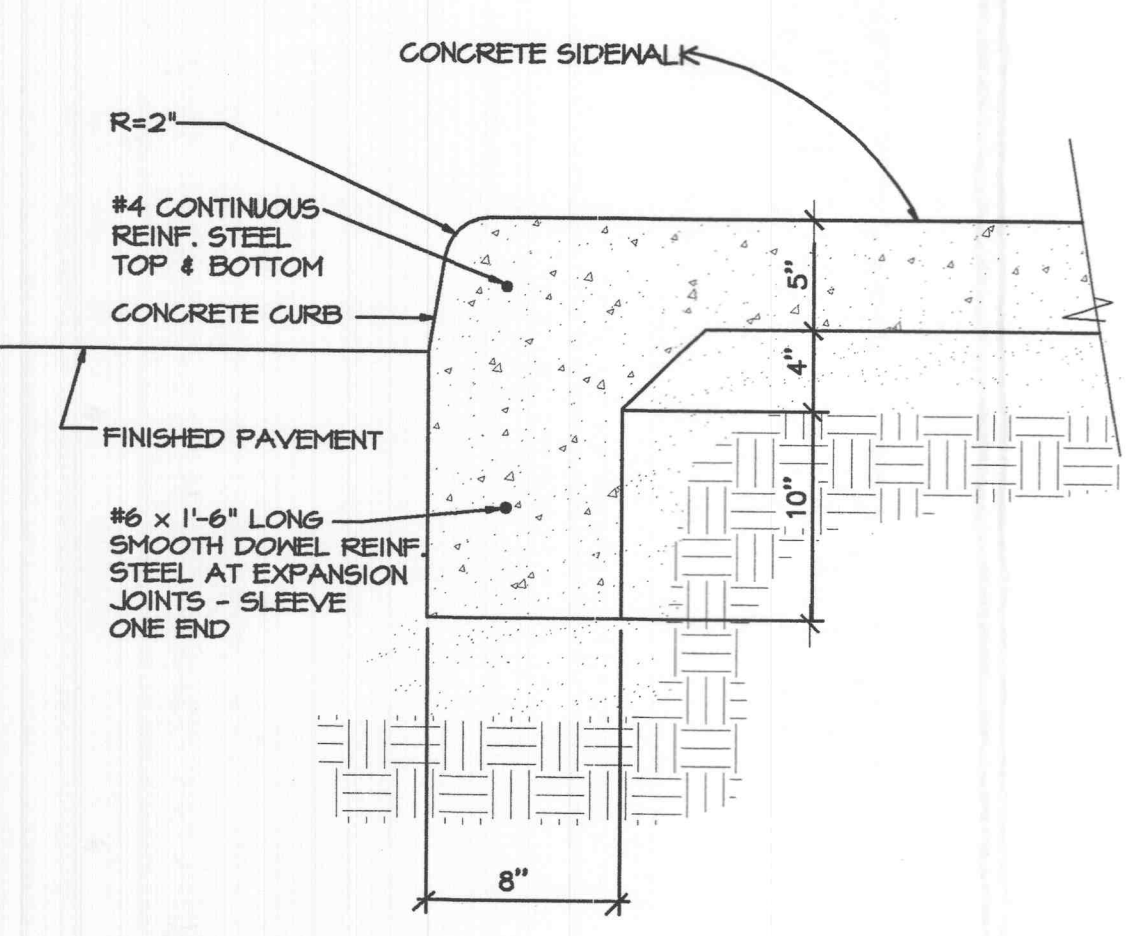


**DETAIL-CONCRETE PAVEMENT**

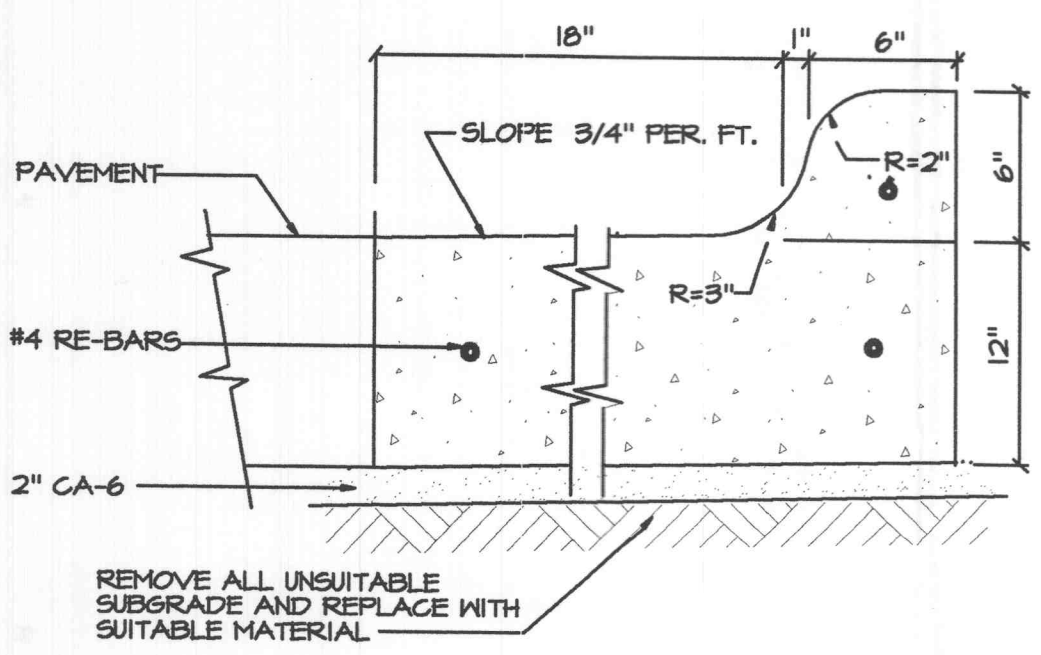


**DETAIL-CONSTRUCTION ENTRANCE**

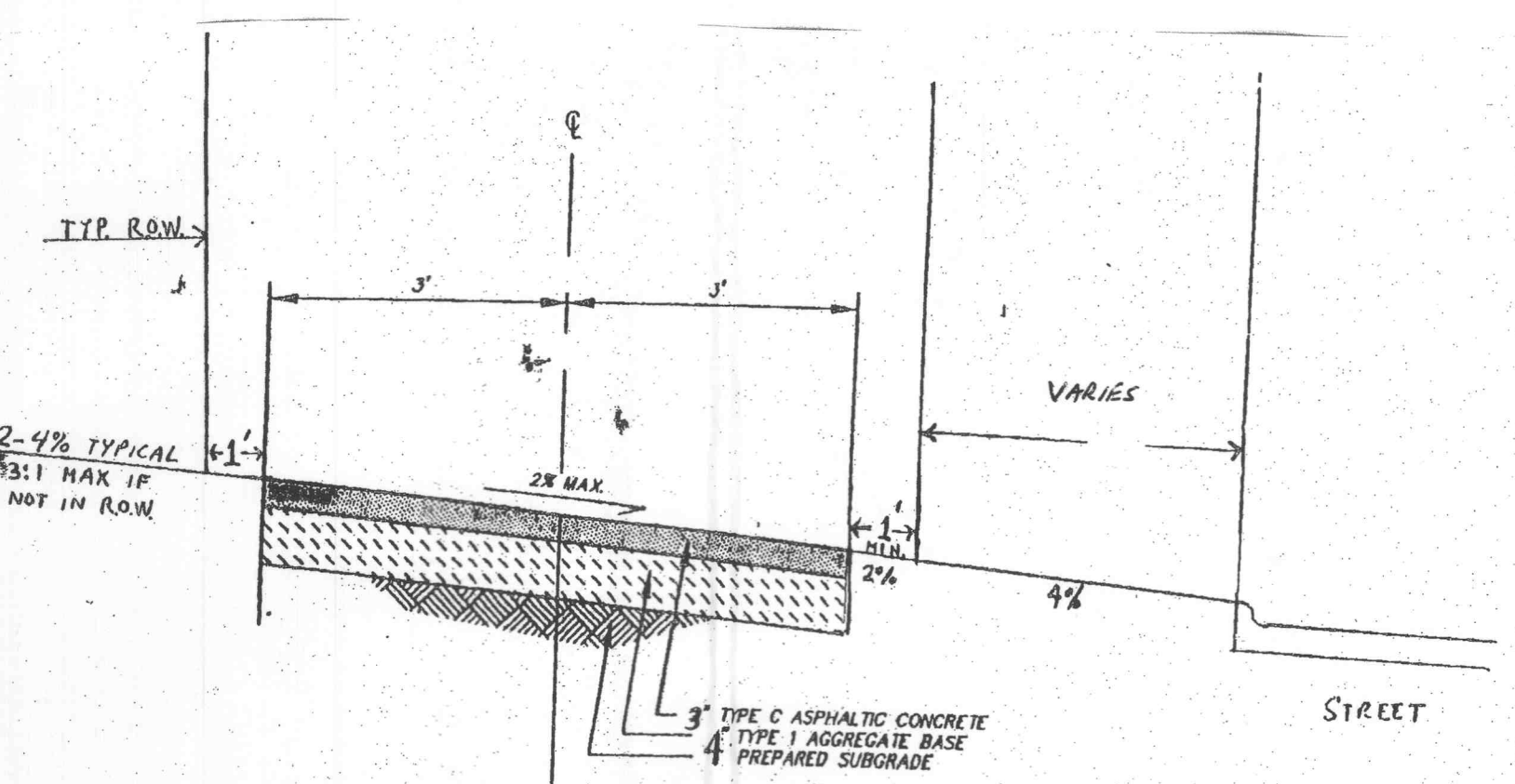
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
- THICKNESS - NOT LESS THAN 6 INCHES.
- WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCURS.
- FILTER CLOTH - WILL BE REPLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY, MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



**DETAIL-MONOLITHIC CURB & SIDEWALK**



**DETAIL-B6.12 BARRIER CURB**



**BIKEPATH TYPICAL SECTION**

**SITE GRADING AND PAVING SPECIFICATIONS**

- ALL SITE WORK, GRADING, AND PAVING OPERATIONS, AND ALL DRIVEWAY AND STREET CONSTRUCTION WITHIN THE LIMITS OF THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES. IN CASE OF CONFLICT, LOCAL CODE SHALL GOVERN.
- EARTH EXCAVATION SHALL INCLUDE CLEARING, STRIPPING, AND STOCKPILING TOPSOIL, REMOVING UNSUITABLE MATERIALS, THE CONSTRUCTION OF EMBANKMENTS, NON-STRUCTURAL FILLS, FINAL SHAPING AND TRIMMING TO THE LINES, GRADES, AND CROSS SECTIONS SHOWN ON THE PLANS. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE PROVISIONS OF SECTION 200 OF THE STANDARD SPECIFICATIONS. ALL UNSUITABLE OR EXCESS MATERIAL SHALL BE DISPOSED OF ON LOW AREAS OF THE SITE SHOWN ON THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER IN THE FIELD.
- TOPSOIL EXCAVATED SHALL BE STOCKPILED ON THE SITE IN AREAS DESIGNATED BY THE PROJECT ENGINEER UNTIL SUCH TIME THAT THIS TOPSOIL CAN BE USED FOR FINAL GRADING.
- THE SOILS INVESTIGATION REPORT FOR THE SITE AND ALL AGENDA THERETO ARE SUPPORTING DOCUMENTS FOR THIS PROJECT. THE RECOMMENDATIONS AS STATED IN SAID REPORT ARE HEREBY INCORPORATED INTO THESE CONSTRUCTION NOTES BY REFERENCE AND SHALL BE FOLLOWED BY ALL CONTRACTORS. THE GRADING OPERATIONS ARE TO BE CLOSELY SUPERVISED AND INSPECTED, PARTICULARLY DURING THE REMOVAL OF UNSUITABLE MATERIAL AND THE CONSTRUCTION OF EMBANKMENTS OR BUILDING PADS, BY A SOILS ENGINEER OR HIS REPRESENTATIVE. FURTHER CONSTRUCTION OPERATIONS WILL NOT BE PERMITTED UNTIL THE SOILS ENGINEER ISSUES A WRITTEN STATEMENT THAT THE AREA IN QUESTION HAS BEEN SATISFACTORILY PREPARED AND IS READY FOR CONSTRUCTION.
- ALL TESTING, INSPECTION AND SUPERVISION OF SOIL QUALITY, UNSUITABLE SOIL REMOVAL AND ITS REPLACEMENT AND OTHER SOILS RELATED OPERATIONS SHALL BE ENTIRELY THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL USE CARE IN GRADING NEAR TREES, SHRUBS, AND BUSHES WHICH ARE NOT TO BE REMOVED SO AS NOT TO CAUSE INJURY TO ROOTS OR TRUNKS. ANY TREES DAMAGED BY CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH ARE NOT INDICATED TO BE REMOVED. ANY DAMAGE DONE TO THESE EXISTING ITEMS BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT HIS OWN EXPENSE.
- REMOVED DRIVEWAY PAVEMENT, SIDEWALK, CURBS, GUTTER, TREES AND STUMPS SHALL BE DISPOSED OF LEGALLY AT LOCATIONS PROVIDED BY THE CONTRACTOR.
- STREET PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE, AND, IF DAMAGED, SHALL BE REPLACED PROMPTLY TO MEET STATE AND LOCAL STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP.
- ALL CONCRETE POURED ON PUBLIC PROPERTY SHALL BE CLASS 'X' 6-BAG MIX, 3500 P.S.I. AT 14 DAYS.
- THE GRADING AND CONSTRUCTION OF THE PAVEMENT IMPROVEMENTS SHALL NOT CAUSE FLOODING OF STORM WATER. ALL AREAS ADJACENT TO THESE IMPROVEMENTS SHALL BE GRADED TO ALLOW POSITIVE DRAINAGE.
- DRIVEWAYS SHALL BE CONSTRUCTED SO AS NOT TO IMPEDE THE SURFACE DRAINAGE SYSTEM.
- TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE TO THE MISSOURI DEPARTMENT OF TRANSPORTATION STANDARDS SHALL BE INSTALLED AND PROVIDED WHENEVER CONSTRUCTION FOR UTILITIES ARE WITHIN STREET AREAS. ALSO, ORDINANCES OF THE CITY, COUNTY OR STATE SHALL GOVERN THE TRAFFIC CONTROL.

CITY REVIEW 8-25-00 3  
 PER ARCHITECT 6-21-00 2  
 CITY REVIEW 4-3-00 1  
 ISSUED FOR: DATE:

**W-T** **W-T ENGINEERING, INC.**  
 CONSULTING ENGINEERS  
 39 EAST SCULLY DRIVE  
 SCHAMBURG, ILLINOIS 60193  
 ph. (847)895-3640  
 fax. (847)895-9985

**Firestone**  
 REAL ESTATE DEPARTMENT

NEW FIRESTONE STORE  
 "ER2000B" RH BUILDING  
 3089 STATE HWY K  
 O'FALLON, MISSOURI



PROPERTY NUMBER: 163325  
 STORE NUMBER: (T.B.D.)  
 JOB NUMBER: 08373  
 DATE: 07/17/00  
 FILE NAME:  
 SHEET NUMBER:

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