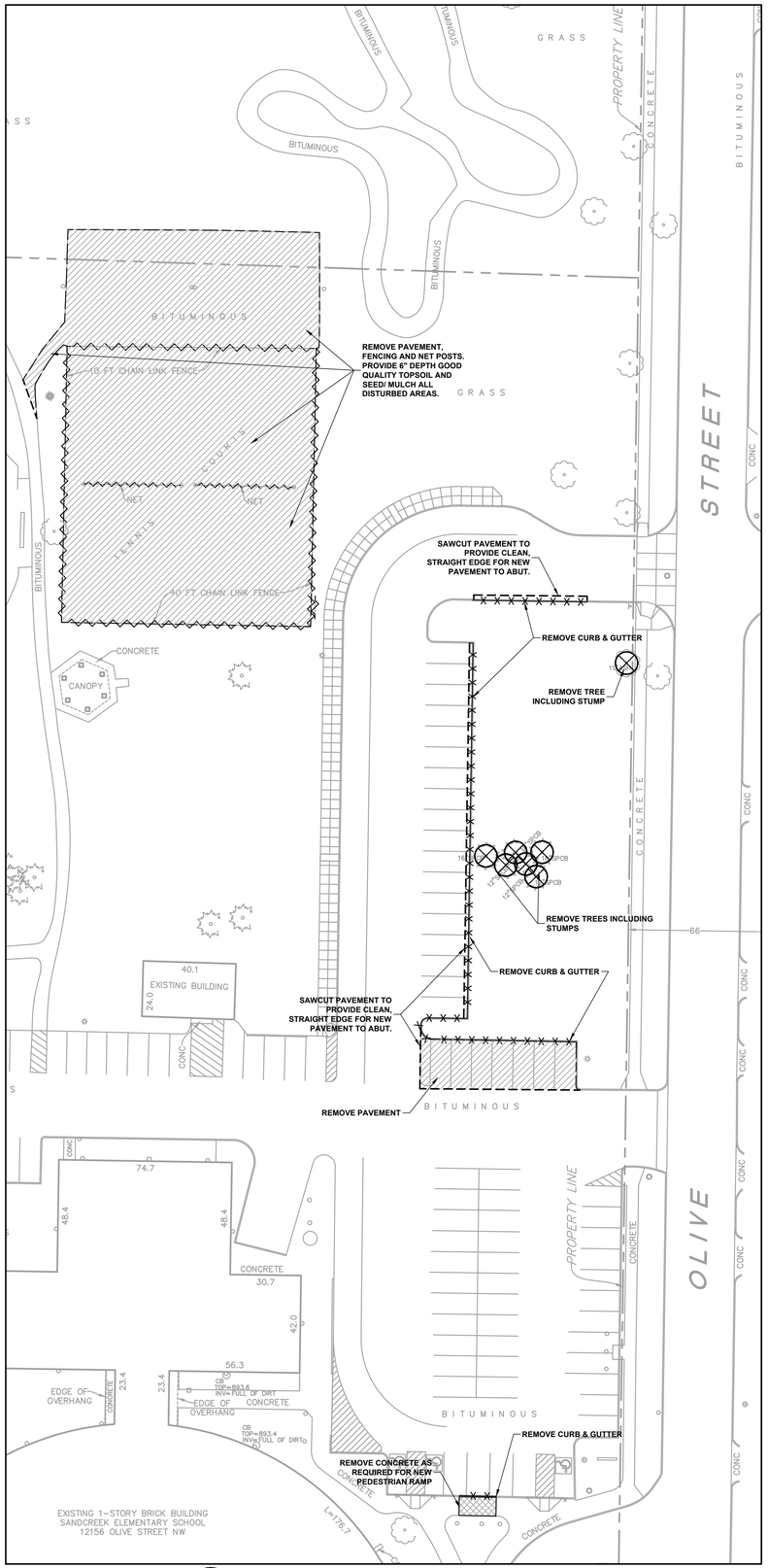
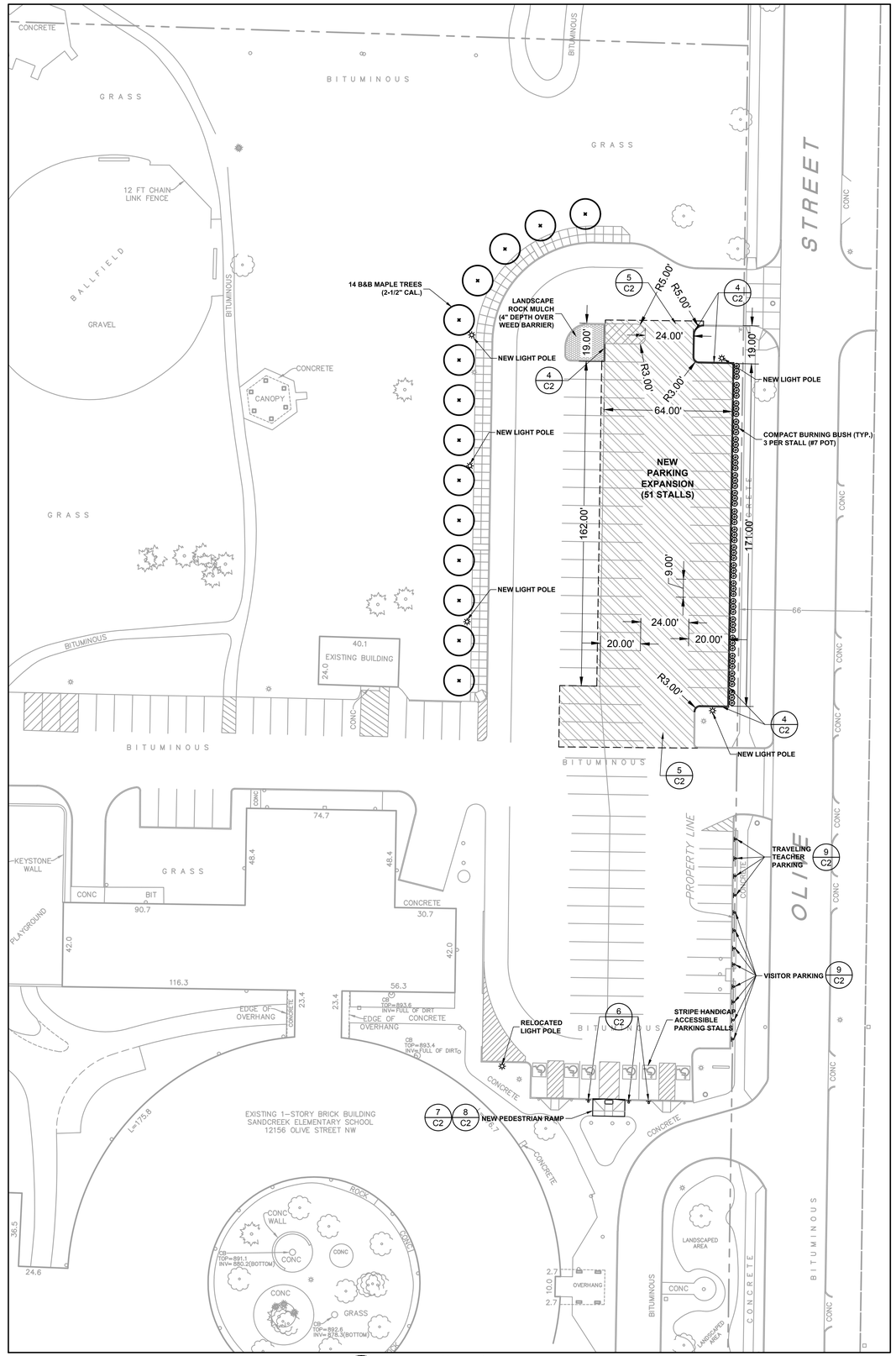


1 C1 REMOVALS PLAN



2 C1 LAYOUT PLAN

NOTES

1. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO SITE AND PROTECT EXISTING VEGETATION AND SITE FEATURES (CURBS, WALKS, PAVEMENTS, OVERHEAD AND UNDERGROUND UTILITIES, SIGNAGE, FENCING, ROADWAYS, DRAINAGE PIPING, AND DITCHES, ETC.) WHICH ARE TO REMAIN.

2. REPAIR OR REPLACE EXISTING PROPERTY AND SITE FEATURES, INCLUDING GRASS AND VEGETATION, WHICH IS TO REMAIN THAT IS DAMAGED BY THE WORK, TO OWNER'S SATISFACTION AND AT NO ADDITIONAL COST TO THE OWNER.

3. VISIT THE SITE PRIOR TO BIDDING; BE FAMILIAR WITH ACTUAL CONDITIONS IN THE FIELD. EXTRA COMPENSATION WILL NOT BE ALLOWED FOR CONDITIONS WHICH COULD HAVE BEEN DETERMINED OR ANTICIPATED BY EXAMINATION OF THE SITE, THE CONTRACT DRAWINGS AND THE INFORMATION AVAILABLE PERTAINING TO EXISTING SOILS, UTILITIES AND OTHER SITE CHARACTERISTICS.

4. ALL APPLICABLE DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

5. SIGNAGE SHALL GENERALLY BE INSTALLED 18 INCHES BEHIND THE BACK OF CURB OR BACK OF WALK.

LEGEND

- CONCRETE PAVEMENT REMOVALS
- CONCRETE CURB AND GUTTER REMOVALS
- BITUMINOUS PAVEMENT REMOVALS
- FENCING REMOVALS
- TREE REMOVALS
- SAWCUT
- REFERENCE KEY TO SITE DETAILS: DETAIL I.D NUMBER (TOP), DETAIL SHEET NUMBER (BOTTOM)
- PROPOSED CONCRETE WALK
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED LANDSCAPE ROCK MULCH
- PROPOSED TRAFFIC CONTROL SIGN
- PAINTED ACCESSIBLE SYMBOL
- PROPOSED LIGHT POLE - REFER TO ELECTRICAL PLANS
- PROPERTY LINE

Project No. 15096
Date 05/26/2015
Drawn By JRP
Ck. By JRP
Revisions 08/09/10

REMOVALS AND LAYOUT PLAN

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly licensed Landscape Architect under the laws of the State of Minnesota.

JAY R. POMEROY
Reg. No. 23543 Date 06/04/2105

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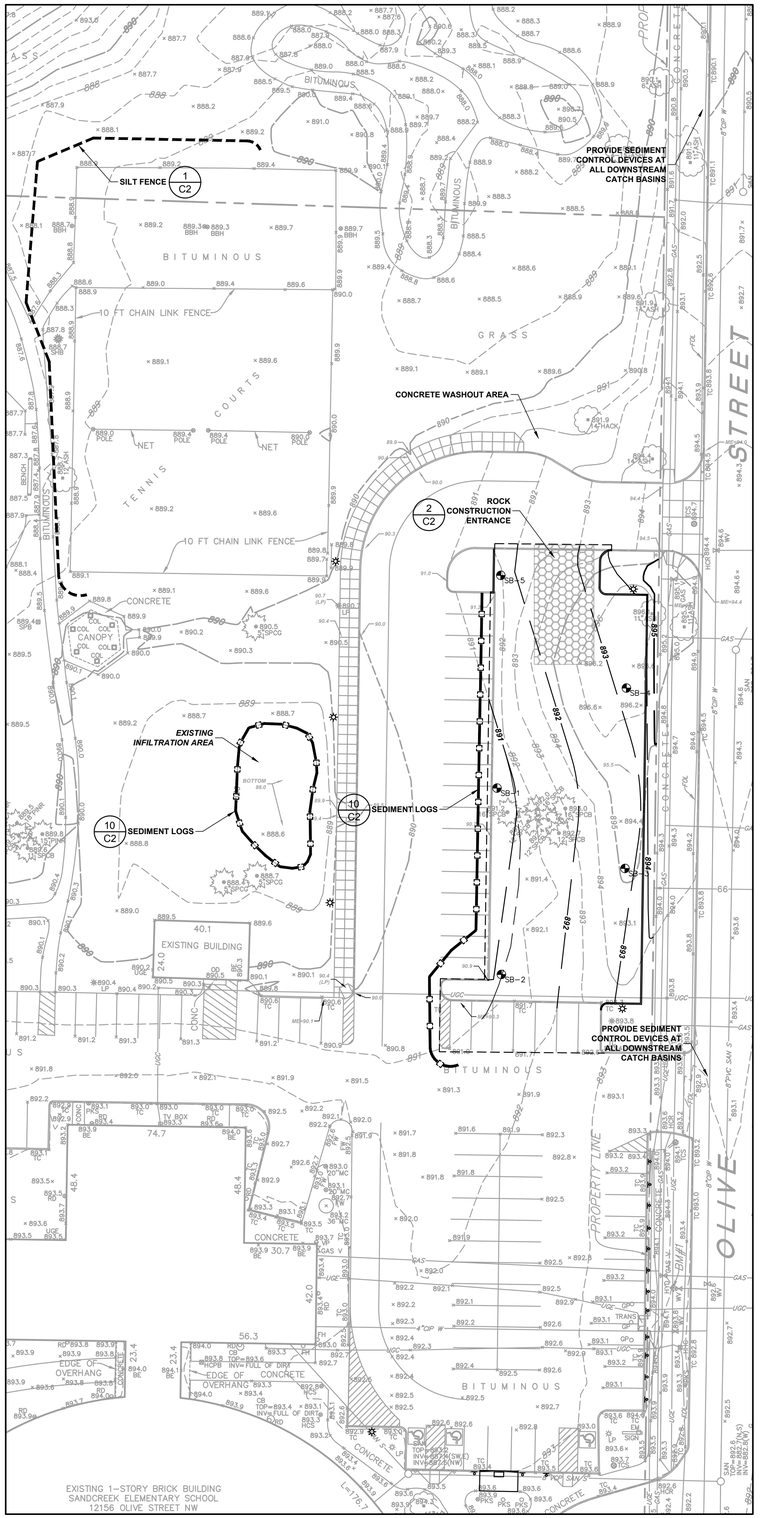
PARKING EXPANSION
SAND CREEK ELEMENTARY SCHOOL
ANOKA-HENNEPIN SCHOOLS
INDEPENDENT SCHOOL DISTRICT No. 11

Sheet C1 of 2

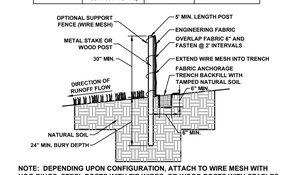


1 C2 **GRADING & DRAINAGE PLAN**

GENERAL NOTES

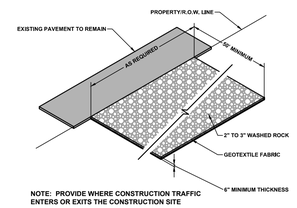
1. ALL CONSTRUCTION MUST COMPLY WITH APPLICABLE STATE AND LOCAL ORDINANCES.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR AND SHALL PAY FOR ALL CONSTRUCTION STAKING / LAYOUT.
3. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL RELATED CONSTRUCTION PERMITS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL SIGNAGE (CONSTRUCTION ZONES) NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS. ALL SIGNAGE LAYOUTS MUST BE DESIGNED BY THE CONTRACTOR AND APPROVED BY LOCAL AUTHORITIES.
5. INSTALL CONTROL FENCING AND BARRICADING AS NECESSARY TO PROTECT THE PUBLIC.
6. INSPECT SITE AND REVIEW SOIL BORINGS TO DETERMINE EXTENT OF WORK AND NATURE OF MATERIALS TO BE HANDLED.
7. REFER TO SPECIFICATIONS FOR DEWATERING REQUIREMENTS.
8. CHECK ALL PLAN AND DETAIL DIMENSIONS AND VERIFY SAME BEFORE FIELD LAYOUT.
9. REFER TO ARCHITECTURAL PLANS FOR BUILDING AND STOOP DIMENSIONS AND LAYOUT.
10. MAINTAIN ADJACENT PROPERTY AND PUBLIC STREETS CLEAN FROM CONSTRUCTION CAUSED DIRT AND DEBRIS ON A DAILY BASIS. PROTECT DRAINAGE SYSTEMS FROM SEDIMENTATION AS A RESULT OF CONSTRUCTION RELATED DIRT AND DEBRIS.
11. MAINTAIN DUST CONTROL DURING GRADING OPERATIONS.
12. ALL EROSION CONTROL METHODS SHALL COMPLY WITH MPCA AND LOCAL REGULATIONS.
13. IF EROSION AND SEDIMENT CONTROL MEASURES TAKEN ARE NOT ADEQUATE AND RESULT IN DOWNSTREAM SEDIMENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING OUT DOWNSTREAM STORM SEWERS AS NECESSARY, INCLUDING ASSOCIATED RESTORATION.
14. CONSTRUCT TEMPORARY SEDIMENT BASINS AND SEDIMENT FILTERS AS NECESSARY TO CONTROL EROSION. MAINTAIN AND REPAIR SEDIMENT BASINS AND FILTERS UNTIL CONSTRUCTION IS COMPLETE. REMOVE SEDIMENT FILTERS AFTER VEGETATION IS ESTABLISHED AND REPAIR SEDIMENT BASIN AND FILTER TRENCHES.
15. PRIOR TO STRIPPING TOPSOIL, THOROUGHLY DISK OR ROTOTILL VEGETATION (TURF) INTO SOIL.
16. IF GRADING OPERATIONS ARE SUSPENDED FOR LONGER THAN 15 DAYS, DESPITE REASONS OR CIRCUMSTANCES, ALL AREAS OF BARE SOIL EXPOSED TO POSSIBLE EROSION SHALL BE SHAPED TO DRAIN WITH MINIMUM POTENTIAL FOR EROSION. THE DISTURBED AREAS SHALL THEN BE SEEDED WITH PERENNIAL RYEGRASS AND ANNUAL WHEAT AT THE RATE OF 10 POUNDS PER ACRE (0.25 LBS./1,000 SQ. FT.) AND 20 POUNDS PER ACRE (0.50 LBS./1,000 SQ. FT.) RESPECTIVELY, THEN AND COVERED WITH STRAW MULCH AT THE RATE OF 4,000 POUNDS PER ACRE, DISC ANCHORED.
17. TEMPORARY BERMS, DIKES, SLOPE DRAINS, OR SEDIMENTATION BASINS SHALL BE CONSTRUCTED THROUGHOUT THE COURSE OF CONSTRUCTION WHERE THE POSSIBILITY FOR WATER POLLUTION (SEDIMENTATION) MAY EXIST AND THE PERMANENT EROSION CONTROLS (TURF, PAVEMENT AND STORM SEWER) ARE NOT CONSTRUCTED OR COMPLETELY OPERATIVE.
18. ALL EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL OTHER MEANS OF PERMANENT CONTROL SUCH AS TURF ESTABLISHMENT AND PAVING HAVE TAKEN PLACE. THE CONTRACTOR SHALL MAINTAIN THESE DEVICES THROUGHOUT THEIR TEMPORARY LIFE AND REMOVE THEM AND WHEN SO INSTRUCTED BY THE ENGINEER. REMOVAL OF EROSION CONTROL DEVICES INCLUDES RESTORATION OF AFFECTED AREAS. MAINTENANCE AND REMOVAL WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE MADE THEREFORE. SILT FENCES WHICH HAVE WASHED OUT SHALL BE REPLACED AND REINFORCED WITH ADDITIONAL STAKES AND BACKED BY SNOW FENCE TO REDUCE THE POSSIBILITY OF FUTURE WASHOUTS.
19. SEDIMENT CONTROL DEVICE AT STORM SEWER INLETS. AT THE INLETS TO ALL STORM SEWER STRUCTURES, PROVIDE A PRODUCT FROM THE FOLLOWING LIST. ACCEPTABLE PRODUCTS:
    - A. WIMCO TOP SLAB™ MODEL RD 27.
    - B. INFRASAFE® SEDIMENT CONTROL BARRIER, DISTRIBUTED BY ROYAL ENVIRONMENTAL SYSTEMS, INC. SCB'S SHALL BE SIZED SPECIFICALLY FOR THE STRUCTURE AND CASTING SPECIFIED. SCB'S SHALL BE EQUIPPED WITH FRAME AND PERFORATED SHROUD AND SHALL BE WRAPPED ON THE OUTSIDE, COVERING THE PERFORATED WALL ONLY, WITH A GEOTEXTILE SOCK.
    - C. DANDY BAG® OR DANDY BAG II® DISTRIBUTED BY BROCK WHITE COMPANY, ST. PAUL, MN (615) 647-0950. DANDY BAG SHALL BE USED ONLY FOR CURB INLETS AFTER PAVEMENT (BINDER COURSE OR WEAR COURSE) IS INSTALLED OR AT EXISTING PAVED AREAS.
    - D. INFRASAFE® DEBRIS COLLECTION DEVICE BY ROYAL ENVIRONMENTAL SYSTEMS, INC., DISTRIBUTED BY ESS BROTHERS, 9350 COUNTY ROAD 19, CORCORAN, MN 55357 DCD'S SHALL BE SIZED SPECIFICALLY FOR THE STRUCTURE AND CASTING SPECIFIED. PROVIDE FILTER BAGS AND TIES FOR COMPLETE INSTALLATION.
    - E. OR APPROVED EQUAL.
20. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO SITE AND PROTECT EXISTING SITE FEATURES (INCLUDING TURF AND VEGETATION) WHICH ARE TO REMAIN.
21. PROPOSED CONTOURS AND SPOT ELEVATIONS ARE SHOWN TO FINISH GRADE UNLESS OTHERWISE NOTED.
22. PROPOSED ELEVATIONS SHOWN TYPICALLY AS 91.1 OR 91 SHALL BE UNDERSTOOD TO MEAN 891.1 OR 1891.
23. SPOT ELEVATIONS SHOWN IN PARKING LOTS, DRIVES AND ROADS INDICATE GUTTER GRADES, UNLESS NOTED OTHERWISE.
24. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING QUANTITIES OF CUT, FILL AND WASTE MATERIALS TO BE HANDLED, AND FOR AMOUNT OF GRADING TO BE DONE IN ORDER TO COMPLETELY PERFORM ALL WORK INDICATED ON THE DRAWINGS. IMPORT SUITABLE MATERIAL AND EXPORT UNSUITABLE / EXCESS / WASTE MATERIAL AS REQUIRED. ALL COSTS ASSOCIATED WITH IMPORTING AND EXPORTING MATERIALS SHALL BE INCIDENTAL TO THE CONTRACT.
25. NO FINISHED SLOPES SHALL EXCEED 3' HORIZONTAL TO 1' VERTICAL (3:1), UNLESS OTHERWISE NOTED.
26. ALL DISTURBED AREAS NOT DESIGNATED TO BE PAVED SHALL RECEIVE AT LEAST 6" OF TOPSOIL AND SHALL BE SEEDED OR SODDED.
27. WHERE NEW SOD MEETS EXISTING SOD, EXISTING SOD EDGE SHALL BE CUT TO ALLOW FOR A CONSISTENT, UNIFORM STRAIGHT EDGE. JAGGED OR UNEVEN EDGES WILL NOT BE ACCEPTABLE. REMOVE TOPSOIL AT JOINT BETWEEN EXISTING AND NEW AS REQUIRED TO ALLOW NEW SOD SURFACE TO BE FLUSH WITH EXISTING.
28. FAILURE OF TURF DEVELOPMENT: IN THE EVENT THE CONTRACTOR FAILS TO PROVIDE AN ACCEPTABLE TURF, THE CONTRACTOR SHALL RE-SEED OR RE-SOD ALL APPLICABLE AREAS, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE ENGINEER.
29. LOCATE ALL EXISTING UTILITIES, VERIFY LOCATION, SIZE AND INVERT ELEVATION OF ALL EXISTING UTILITIES. VERIFY LOCATIONS, SIZES AND ELEVATIONS OF SAME BEFORE BEGINNING CONSTRUCTION.

		WOOD	METAL
HEAVY DUTY	POSTS: (IF USED WITH SUPPORT FENCE)	4" DIA. (MIN) @ 8' (MAX) SPACING	1.3 lbs/ft (MIN.) @ 8' (MAX) SPACING
NORMAL USE	POSTS: (IF USED WITHOUT SUPPORT FENCE)	2" SQ. (MIN) @ 6' (MAX) SPACING	1.0 lbs/ft (MIN.) "T" OR "U" SECTION @ 6' (MAX) SPACING



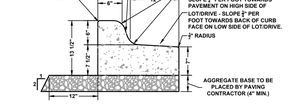
NOTE: DEPENDING UPON CONFIGURATION, ATTACH TO WIRE MESH WITH HOG RINGS, STEEL POSTS WITH TIE WIRES, OR WOOD POSTS WITH STAPLES

2 C2 **SILT FENCE**



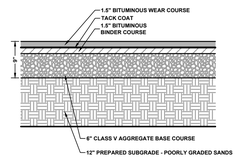
NOTE: PROVIDE WHERE CONSTRUCTION TRAFFIC ENTERS OR EXITS THE CONSTRUCTION SITE

3 C2 **ROCK CONSTRUCTION ENTRANCE**

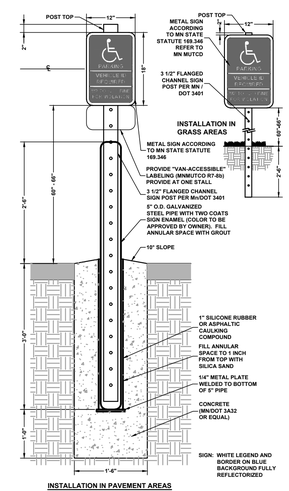


NOTE:
1. DIRECTION OF TRANSVERSE GUTTER SLOPE TO MATCH DIRECTION OF ADJACENT PAVEMENT SLOPE. CONSTRUCT WITH CURBING MACHINE.
2. AT CURB INLET CATCH BASINS, ADJUST CASTING TO BE 1" BELOW GUTTER GRADE. SLOPE GUTTER 8' EACH SIDE OF CATCH BASIN. PROVIDE POSITIVE DRAINAGE TO CATCH BASINS.

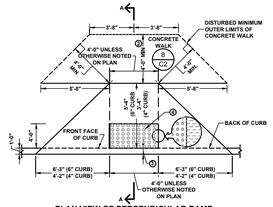
4 C2 **B-612 CURB AND GUTTER**



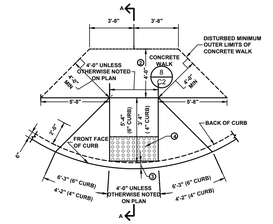
5 C2 **MEDIUM DUTY PAVEMENT**



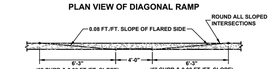
6 C2 **ACCESSIBLE PARKING SIGN AND POST**



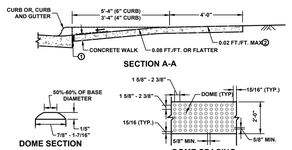
PLAN VIEW OF PERPENDICULAR RAMP



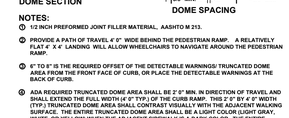
PLAN VIEW OF DIAGONAL RAMP



ELEVATION OF RAMP

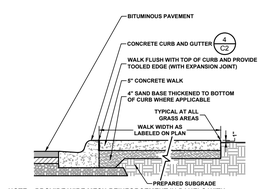


SECTION A-A



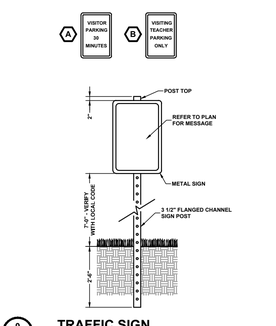
NOTES:
1. 1/2 INCH PREFORMED JOINT FILLER MATERIAL, AASHTO M 213.
2. PROVIDE A PATH OF TRAVEL 4' 0" WIDE BEHIND THE PEDESTRIAN RAMP. A RELATIVELY FLAT 4' X 4' LANDING WILL ALLOW WHEELCHAIRS TO NAVIGATE AROUND THE PEDESTRIAN RAMP.
3. 6" TO 8" IS THE REQUIRED OFFSET OF THE DETECTABLE WARNINGS/ TRUNCATED DOME AREA FROM THE FRONT FACE OF CURB, OR PLACE THE DETECTABLE WARNINGS AT THE BACK OF CURB.
4. ADA REQUIRED TRUNCATED DOME AREA SHALL BE 2' 0" MIN. IN DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH (4' 0" TYP.) OF THE CURB RAMP. THIS 2' 0" BY 4' 0" WIDTH (TYP.) TRUNCATED DOME AREA SHALL CONTRAST VISUALLY WITH THE ADJACENT WALKING SURFACE. THE ENTIRE TRUNCATED DOME AREA SHALL BE A LIGHT COLOR (LIGHT GRAY, WHITE, OR YELLOW) WHEN THE ADJACENT SIDEWALK IS A DARK COLOR. THE ENTIRE TRUNCATED DOME AREA SHALL BE A DARK COLOR (RED, BLACK, DARK GRAY, OR BRIGHT YELLOW) WHEN THE ADJACENT SIDEWALK IS A "WHITE" OR LIGHT GRAY CEMENT COLOR.
5. DETAIL BASED ON MN/DOT STANDARD PLATE 7036F.

7 C2 **PEDESTRIAN CURB RAMP**

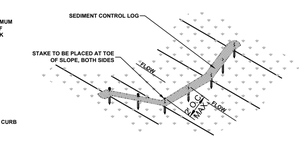


NOTE: PROVIDE WIRE MESH REINFORCEMENT IN PANELS WITH DIMENSIONS TO JOINTS GREATER THAN 6' - REINFORCEMENT SHALL BE UNIFORMLY SUSPENDED 2" BELOW CONCRETE FINISH GRADE.

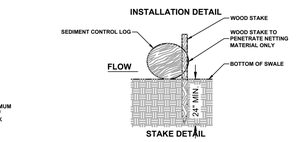
8 C2 **CONCRETE WALK**



9 C2 **TRAFFIC SIGN**



INSTALLATION DETAIL



STAKE DETAIL

10 C2 **SEDIMENT CONTROL LOG**

LEGEND

- 1 / C2 — REFERENCE KEY TO SITE DETAILS: DETAIL I.D NUMBER (TOP), DETAIL SHEET NUMBER (BOTTOM)
- 892 — EXISTING CONTOUR
- × 892.6 — EXISTING SPOT ELEVATION
- 892 — PROPOSED CONTOUR
- SB-1 — APPROXIMATE SOIL BORING LOCATION
- PROPOSED SILT FENCE
- PROPOSED SEDIMENT CONTROL LOG
- PROPOSED ROCK CONSTRUCTION ENTRANCE
- PROPERTY LINE

Project No.	15096
Date	06/09/2015
Drawn By	JRP
Ck. By	JRP
Revisions	08/09/10

GRADING & DRAINAGE AND EROSION & SEDIMENT CONTROL PLAN AND DETAILS

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly licensed Landscape Architect under the laws of the State of Minnesota.

JAY R. POMEROY Date 06/09/2015
Reg. No. 23543

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0 15 30

Sheet **C2** of 2