

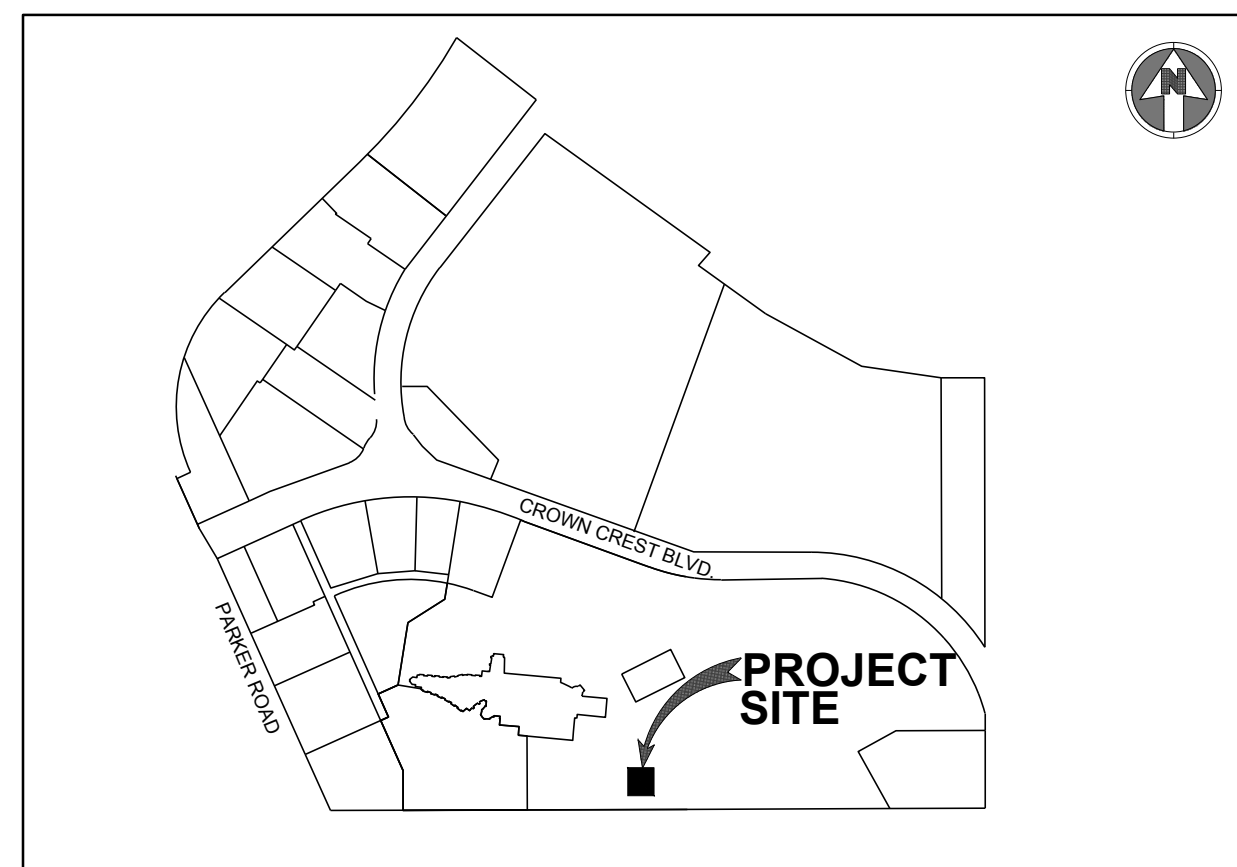
CONSTRUCTION PLANS  
FOR  
**PARKER ADVENTIST HOSPITAL SALT SHED**

A PARCEL OF LAND BEING A PORTION OF LOT 1, BLOCK 1, CROWN POINT F#1, AMENDMENT 28  
SITUATED IN THE NORTHWEST QUARTER OF SECTION 10, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN,  
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO

**ENGINEER'S STATEMENT**

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF COLORADO.

\_\_\_\_\_  
JASON DEAN CARR  
COLORADO P.E.# 33854  
DATE



**VICINITY MAP**  
NO SCALE

Sheet List Table	
Sheet Number	Sheet Title
C-000	COVER SHEET
C-001	CIVIL NOTES AND LEGEND
C-021	SITE PLAN
C-211	GRADING PLAN
C-341	EROSION CONTROL PLAN
C-351	EROSION CONTROL DETAILS
C-352	EROSION CONTROL DETAILS
C-353	EROSION CONTROL DETAILS
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C-360	EROSION CONTROL DETAILS
C-361	EROSION CONTROL DETAILS
C-362	EROSION CONTROL DETAILS
C-363	EROSION CONTROL DETAILS

**OWNER INFORMATION**

PARKER ADVENTIST HOSPITAL  
9395 CROWN CREST BLVD.  
PARKER, CO. 80138  
PHONE: 303-269-4014  
CONTACT: JONATHON FISHER / CFO

**DESIGN INFORMATION**

ARCHITECT: BOULDER ASSOCIATES ARCHITECTS  
PHONE: 303-449-7795

CIVIL ENGINEER: S.A. MIRO, INC  
PHONE: 303-741-3737

**AGENCY LIST**

ELECTRIC-IREA  
PO DRAWER A  
5496 US HWY 85  
SEDALIA, CO. 80135  
303-688-3100  
CONTACT: BROOKS KAUFMAN

GAS-XCEL ENERGY  
2070 SOUTH VALENTIA STREET  
DENVER, CO. 80231  
1-800-628-2121  
CONTACT: DESIGN MANAGER

FIRE-SOUTH METRO FIRE RESCUE  
9195 E. MINERAL AVE  
CENTENNIAL, CO 80112  
720-989-2000  
CONTACT: RANDY CAPRA

TOWN OF PARKER  
PLANNING AND BUILDING DEPT.  
20120 E. MAIN STREET  
PARKER, CO. 80134  
303-841-2332  
CONTACT: PAUL WORKMAN

TOWN OF PARKER-PUBLIC WORKS  
9200 MOTSENBOCKER ROAD  
PARKER, CO 80134  
303-840-9546  
CONTACT: MIKE WAUGH

COTTONWOOD WATER & SANITATION DISTRICT  
2 INVERNESS DRIVE EAST  
ENGLEWOOD, CO  
303-792-9509  
CONTACT: PATRICK MULHERN/ LAURI TATLOCK

CABLE-COMCAST  
6850 S. TUSCON WAY  
ENGLEWOOD, CO. 80112  
303-603-5605  
CONTACT: KEVIN YOUNG

TELEPHONE - CENTURY LINK  
LOCAL NETWORK OPERATIONS  
9750 E. COSTILLA AVENUE  
ENGLEWOOD, CO. 80112  
303-792-1840  
CONTACT: KAREN CAIME

TRI-COUNTY HEALTH DEPARTMENT  
7000 E. BELLEVIEW AVENUE  
GREENWOOD VILLAGE, CO. 80111  
303-220-9200  
CONTACT: CAROL MACLENNAN

COTTONWOOD WATER AND SANITATION  
DISTRICT ENGINEER-KENNEDY JENKS CONSULTING  
143 UNION BOULEVARD  
SUITE 600  
LAKEWOOD, CO 80228  
PHONE: 303-985-3636  
CONTACTS: TOM NAPOLILLI

CROWN POINT ARCHITECTURAL  
CONTROL COMMITTEE  
27905 MEADOW DRIVE, SUITE 11  
EVERGREEN, CO 80439 303-674-7856  
CONTACT: TIM LEONARD

**BENCHMARK:**

DOUGLAS COUNTY CONTROL MONUMENT NO. 1.115026. 473.35± NORTH AND 1959.02± WEST ¼ CORNER OF SECTION 3, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPLE MERIDIAN. 3-1/2" ALUMINUM CAP. ELEVATION 5759.78 (NAVD 88). (THIS NOTE IS TAKEN FROM THE "SITE WORK CONSTRUCTION PLANS FOR MEDICAL OFFICE BUILDING 2 PARKER ADVENTIST HOSPITAL" PREPARED BY S.A. MIRO.) SITE BENCHMARK 1004 A SPIKE IN CONCRETE. ELEVATION=5825.31 FEET.

**BASIS OF BEARING:**

BEARINGS ARE BASED ON THE EAST LINE OF THE NORTHWEST QUARTER OF SECTION 10, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, BEING MONUMENTED ON THE SOUTH END BY A #6 REBAR WITH A 3.25" ALUMINUM CAP IN RANGE BOX "PLS 29412" AND ON THE NORTH END BY A #6 REBAR WITH A 3.25" ALUMINUM CAP "LS 9329". SAID LINE HAVING A BEARING OF NORTH 00°07'01" WEST, 2678.56 FEET AS DEPICTED ON THE CROWN POINT F#1, 4TH AMENDMENT PLAT. THE BEARINGS SHOWN ON THE SURVEY ARE BASED ON THE CROWN POINT FILING NO. 1, 17TH AMENDMENT.

**S.A. MIRO INC.**  
CONSULTING ENGINEERS  
4582 South Ulster Street Pkwy.  
Suite 750 Denver, CO 80237  
ph. 303-741-3737  
fax 303-694-3134

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REV.	DATE	DESCRIPTION
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**PARKER ADVENTIST HOSPITAL**  
**PARKER SALT SHED**  
**9395 CROWN CREST BLVD.**  
**COVER SHEET**

CLIENT NAME:  
PROJECT NAME:  
DRAWING TITLE:

FILE PATH: J:\Jobs\19131 PKR Salt Shed\05 CAD\Plans and Details\C000-COVR.dwg C000 - 4/10/2020

**NOT FOR CONSTRUCTION**

DESIGNED BY:	MHV
DRAWN BY:	SSM
CHECKED BY:	MHV
DATE:	12/4/2019
MIRO JOB NUMBER	19131
CLIENT JOB NUMBER	
DRAWING NUMBER:	<b>C-000</b>

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES. SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLANS DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO

THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF ANY PRIVATE ON-SITE IMPROVEMENTS WHICH MAY BE SHOWN. CONSTRUCTION CANNOT COMMENCE UNTIL ALL REQUIRED DRAINAGE/TRAFFIC REPORTS(S), FINAL DEVELOPMENT PLAN(S), SPECIAL REVIEW(S), GRADING PERMIT, AND/OR OTHER PERMITS ARE COMPLETE, APPROVED AND ON FILE WITH THE TOWN OF PARKER

**MASTER LEGEND:**

<u>PROPOSED</u>	
	PROPERTY LINE
	SECTION LINE
	RIGHT OF WAY LINE
	CENTER LINE
	CURB AND GUTTER
	SIDEWALK
	WALL
	FENCE
	SIGN
	LIGHT
	TREE
	MINOR CONTOURS
	MAJOR CONTOURS
	RIDGE LINE
	SPOT ELEVATION
	LIMITS OF GRADING
	CABLE TV LINE
	COMMUNICATION LINE
	ELECTRICAL LINE
	OVERHEAD ELECTRICAL LINE
	FIBER OPTIC LINE
	GAS LINE
	TELEPHONE LINE
	IRRIGATION LINE
	RAW WATER LINE
	SANITARY SEWER LINE
	STEAM LINE
	STORM SEWER LINE
	WATER LINE
	EASEMENT
	INLET
	FLARED END SECTIONS
	CLEANOUT
	FIRE HYDRANT
	VALVE
	WATER FITTINGS
	PEDESTAL
	UTILITY CROSSING
	MANHOLES
<u>EXISTING</u>	
	CURB AND GUTTER
	SIDEWALK
	WALL
	FENCE
	SIGN
	LIGHT
	TREE
	MINOR CONTOURS
	MAJOR CONTOURS
	SPOT ELEVATION
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	COMMUNICATION LINE
	ELECTRICAL LINE
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	FIBER OPTIC LINE
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	STEAM LINE
	STORM SEWER LINE
	WATER LINE
	EASEMENT
	INLET
	FLARED END SECTIONS
	CLEANOUT
	FIRE HYDRANT
	VALVE
	PEDESTAL
	UTILITY CROSSING
	MANHOLES

**ABBREVIATIONS:**

BFV	BUTTERFLY VALVE	PCC	POINT OF COMPOUND CURVATURE
BOV	BLOW OFF VALVE	PCR	POINT OF CURB RETURN
BW	BOTTOM OF WALL @ FINISHED GRADE	PI	POINT ON INTERSECTION
CL	CENTERLINE	PRC	POINT OF REVERSE CURVATURE
CMP	CORRUGATED METAL PIPE	PT	POINT OF TANGENCY
EJ	EXPANSION JOINT	PVC	POLYVINYL CHLORIDE
ELEC	ELECTRIC	RCP	REINFORCED CONCRETE PIPE
ELEV	ELEVATION	RCB	REINFORCED CONCRETE BOX
EX	EXISTING	ROW	RIGHT OF WAY
FES	FLARED END SECTION	RT	RIGHT
FL	FLOWLINE	SD	STORM DRAINAGE SEWER
GB	GRADE BREAK	SS	SANITARY SEWER
HP	HIGH POINT	STA.	STATION
FH	FIRE HYDRANT	STRM	STORM SEWER
INV.	INVERT	TOF	TOP OF FLANGE
IRR	IRRIGATION	TOP	TOP OF PIPE
KB	KICK BLOCK	TW	TOP OF WALL @ FINISHED GRADE
LF	LINEAR FEET	TYP.	TYPICAL
LP	LOW POINT	VCP	VITRIFIED CLAY PIPE
LT	LEFT	VPC	VERTICAL POINT OF CURVATURE
ME	MATCH EXISTING	VPI	VERTICAL POINT OF INTERSECTION
MH	MANHOLE	VPT	VERTICAL POINT OF TANGENCY
PC	POINT OF CURVATURE	WATR	WATER LINE

**GENERAL NOTES:**

- DURING CONSTRUCTION IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING UTILITY LINES SHOWN ON THE PLANS AND THOSE UTILITY LINES WHICH MAY NOT BE SHOWN ON THE PLANS.
- UNLESS OTHERWISE NOTED, EXISTING UTILITIES AND STRUCTURES SHALL REMAIN.
- CONTRACTOR SHALL PROTECT ALL ADJACENT IMPROVEMENTS (BUILDINGS, ROADWAYS, FENCES, PARKING LOTS, UTILITIES, ETC.) FROM DAMAGE AND EROSION. ALL DISTURBED AREAS OFF-SITE SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.
- THE EXISTING UTILITIES AS SHOWN HAVE BEEN LOCATED USING UTILITY PLANS OF RECORD AND FIELD SURVEY DATA LOCATING MANHOLES, WATER VALVES, ELECTRICAL EQUIPMENT, AND OTHER FEATURES FOUND AT THE SURFACE.
- COORDINATE WORK WITH OTHER PROJECTS.
- REMOVAL QUANTITIES SHOWN ARE APPROXIMATE QUANTITIES, FOR BIDDING PURPOSES ONLY.
- THE CONTRACTOR SHALL NOTIFY APPROPRIATE PERSONNEL FOR UTILITY LOCATIONS AND NOTICE OF CONSTRUCTION COMMENCEMENT 48 HOURS PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS AT AND ADJACENT TO THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- EXISTING SITE INFORMATION SHOWN ON THESE DRAWINGS IS BASED UPON AVAILABLE SURVEY BY FARNSWORTH GROUP SURVEYING DATED 03/16/16, S.A. MIRO MAKES NO WARRANTIES OR CERTIFICATION OF THE COMPLETENESS OR ACCURACY OF THE EXISTING CONDITIONS PRESENTED. THE CONTRACTOR SHALL INSPECT THE SITE TO ASSESS EXISTING CONDITIONS, AND SATISFY THEMSELVES THAT THE DOCUMENTS ACCURATELY REPRESENT THE SITE CONDITIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES FOUND DURING INITIAL INSPECTIONS, OR SUBSEQUENTLY, SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY FOR RESOLUTION RELATIVE TO THE INTENDED CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE ELECTRONIC AND HARD COPY AS-BUILTS IN ACCORDANCE WITH APPENDIX G, TOWN OF PARKER ROADWAY DESIGN AND CONSTRUCTION CRITERIA MANUAL.
- ANY AFFECTED ELECTRICAL/COMM LINE WILL NEED TO BE LOWERED OR RELOCATED TO ACHIEVE ADEQUATE COVERAGE REQUIREMENTS.

**UTILITY NOTES:**

- LOCATION OF ALL EXISTING UTILITIES (PRIVATE AND PUBLIC) SHALL BE IDENTIFIED AND VERIFIED BY THE CONTRACTOR PRIOR TO MOBILIZATION, CONSTRUCTION AND ORDERING OF MATERIALS. IF ANY CONFLICTS OR DISCREPANCIES ARE FOUND THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. THE CONTRACTOR SHALL BEAR THE FULL COST OF REMOVAL, REPLACEMENT, REPAIR AND DELAYS RELATED TO ANY AND ALL UNVERIFIED EXISTING CONDITIONS.
- THE CONTRACTOR SHALL CALL THE UTILITY NOTIFICATION CENTER AT 1-800-922-1987 TO HAVE ALL UTILITIES LOCATED PRIOR TO ANY CONSTRUCTION.
- ALL UTILITY LENGTHS AND QUANTITIES SHOWN ON THESE PLANS ARE FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND QUANTITIES PRIOR TO ORDERING OF ANY MATERIALS.
- PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- WHERE FLARED END SECTIONS ARE REQUIRED, THE LENGTH OF PIPE INCLUDES THE FLARED END SECTION.
- ALL UTILITY WORK SHALL BE COMPLETED PRIOR TO ANY PAVING.
- CONTRACTOR SHALL SURVEY THE LOCATION AND ELEVATION OF ALL INSTALLED UTILITIES PRIOR TO TRENCH BACKFILL, AND PROVIDE SURVEY INFORMATION TO THE ENGINEER UPON COMPLETION OF THE PROJECT FOR AS-BUILT DOCUMENTATION.
- THERE ARE EXISTING I.R.E.A. POWER LINES ON SITE WITHIN AN EXISTING 30' BLANKET EASEMENT, PORTIONS OF WHICH MUST BE RELOCATED SUCH THAT THE PROPOSED RETAINING WALL IS OUTSIDE OF THE EASEMENT. THE CONTRACTOR SHALL COORDINATE WITH I.R.E.A. REGARDING UTILITY RELOCATION. I.R.E.A. REQUIRES 48"-60" OF COVER. THE EXISTING ELECTRICAL LINE MUST ALSO BE RELOCATED IN LOCATIONS WHERE THE TOLERANCE FOR COVER IS COMPROMISED IN THE PROPOSED DESIGN. CONTRACTOR SHALL POTHOLE PRIOR TO CONSTRUCTION AND PROVIDE DETAILED POTHOLE AND SURVEY INFORMATION TO THE ENGINEER AND I.R.E.A. FOR FURTHER ANALYSIS.
- IF ANY MODIFICATIONS TO EXISTING NATURAL GAS MAINS OR SERVICES ARE REQUIRED, THE CONTRACTOR SHALL COMPLETE THE XCEL ENERGY APPLICATION PROCESS AND CONTACT DESIGNER ASSIGNED TO THE PROJECT FOR FURTHER APPROVAL OF DESIGN DETAILS. ADDITIONAL EASEMENTS MAY NEED TO BE ACQUIRED BY SEPARATE DOCUMENT FOR THE NEW FACILITIES.

**GRADING NOTES:**

- SITE GRADING (EXCAVATION, EMBANKMENTS, AND COMPACTION) SHALL CONFORM TO THE RECOMMENDATIONS OF THE LATEST GEOTECHNICAL REPORT FOR THIS PROPERTY.
- SPOT ELEVATIONS MAY BE ABBREVIATED FOR CLARITY. REFER TO THE ADJACENT CONTOUR LABELS FOR FULL ELEVATIONS.
- MAXIMUM PROPOSED SLOPES SHALL BE 4:1 UNLESS NOTED OTHERWISE.
- SPOT ELEVATIONS ARE TO FLOWLINE UNLESS NOTED OTHERWISE.
- PROPOSED GRADING SHALL MEET AND MATCH EXISTING GRADE AT LIMITS OF DISTURBANCE.
- PROPOSED GRADING AS SHOWN REFLECTS PLANNED FINISHED GRADE. THE CONTRACTOR SHALL ACCOUNT FOR PAVEMENT DEPTH, SUBGRADE REQUIREMENTS, OVEREXCAVATION, TOPSOIL, AND ANY PLANNED SURFACING CONSTRUCTION.
- MAXIMUM TEMPORARY SLOPES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS AND IN COMPLIANCE WITH OSHA REQUIREMENTS.

**DEMOLITION NOTES:**

- UNLESS OTHERWISE NOTED, EXISTING UTILITIES AND STRUCTURES SHALL REMAIN AND BE PROTECTED IN PLACE.
- THE CONTRACTOR SHALL PROTECT ALL ADJACENT IMPROVEMENTS (BUILDINGS, ROADWAYS, FENCES, PARKING LOTS, UTILITIES, ETC.) FROM DAMAGE AND EROSION. ALL DISTURBED AREAS OUTSIDE OF THE LIMITS OF WORK SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.

**PAVING NOTES:**

- THE CONTRACTOR SHALL ADJUST EXISTING AND PROPOSED MANHOLES, WATER VALVES AND OTHER SURFACE APPURTENANCES WITHIN THE LIMITS OF WORK TO FINISHED GRADE.
- THE CONTRACTOR SHALL REFER TO ARCHITECTURAL/LANDSCAPE PLANS FOR CONCRETE SCORING PATTERNS, COLOR AND FINISHING.
- PROPOSED PAVEMENT DESIGN IS BASED UPON THE GEOTECHNICAL REPORT BY KUMAR & ASSOCIATES, INC. DATED 04/24/14. S.A. MIRO, INC. MAKES NO WARRANTIES OR CERTIFICATION OF PAVEMENT PERFORMANCE.

**TOWN OF PARKER GENERAL NOTES**

- ALL MATERIALS AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE LATEST EDITION OF THE TOWN OF PARKER ROADWAY DESIGN AND CONSTRUCTION CRITERIA MANUAL, AND THE TOWN OF PARKER STORM DRAINAGE AND ENVIRONMENTAL CRITERIA MANUAL.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE TOWN OF PARKER PUBLIC WORKS DEPARTMENT. THE TOWN RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
- A PRECONSTRUCTION MEETING SHALL BE SCHEDULED A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. A PRECONSTRUCTION MEETING WILL NOT BE SCHEDULED UNTIL THE GRADING PERMIT AND ALL OTHER NECESSARY PERMITS HAVE BEEN OBTAINED.
- A DEVELOPMENT REVIEW ENGINEER SHALL BE CONTACTED A MINIMUM OF 24 HOURS PRIOR TO A NECESSARY INSPECTION. IF A DEVELOPMENT REVIEW ENGINEER IS NOT AVAILABLE AFTER PROPER NOTICE OF CONSTRUCTION ACTIVITY HAS BEEN PROVIDED, THE PERMITTEE MAY COMMENCE WORK IN THE DEVELOPMENT REVIEW ENGINEER'S ABSENCE. HOWEVER, TOWN OF PARKER RESERVES THE RIGHT TO REJECT THE IMPROVEMENT IF SUBSEQUENT TESTING REVEALS AN IMPROPER INSTALLATION.
- LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ACTUAL CONSTRUCTION. FOR INFORMATION CONTACT: DENVER INTER-UTILITY GROUP, 303-534-6700 OR 1-800-922-1987. THE CONTRACTOR SHALL FIELD VERIFY SIZE AND HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING FACILITIES PRIOR TO CONSTRUCTION, AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE PLANS, APPROVED BY THE TOWN OF PARKER PUBLIC WORKS DIRECTOR, AND ONE (1) COPY OF THE ROADWAY DESIGN AND CONSTRUCTION CRITERIA AT THE JOB SITE AT ALL TIMES.
- ALL PROPOSED STREET CUTS TO EXISTING PAVEMENTS FOR UTILITIES, STORM SEWER OR FOR OTHER PURPOSES ARE LISTED AND REFERENCED ON THE OVERALL UTILITY PLAN, SHEET C5.01.
- A PLAN FOR TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE SUBMITTED TO THE TOWN OF PARKER FOR ACCEPTANCE WITH THE RIGHT-OF-WAY PERMIT USE APPLICATION. A PERMIT WILL NOT BE ISSUED WITHOUT AN APPROVED TRAFFIC CONTROL PLAN FOR USE DURING CONSTRUCTION.
- ALL TRENCHES SHALL BE ADEQUATELY SUPPORTED AND THE SAFETY OF WORKERS PROVIDED FOR AS REQUIRED BY THE MOST RECENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION."
- COMPACTION OF ALL TRENCHES MUST BE ATTAINED AND COMPACTION TEST RESULTS SUBMITTED TO THE DEVELOPMENT REVIEW ENGINEER IN PRELIMINARY FORM PRIOR TO PAVING AND IN FINAL FORM PRIOR TO PROBATIONARY ACCEPTANCE.
- THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES AT ALL TIMES DURING CONSTRUCTION. THE PLAN MAY BE MODIFIED AS FIELD CONDITIONS WARRANT WITH APPROVAL FROM THE TOWN OF PARKER PUBLIC WORKS DEPARTMENT.
- THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN PROPER TRAFFIC CONTROL DEVICES UNTIL THE SITE IS OPEN TO TRAFFIC. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE TOWN OF PARKER PUBLIC WORKS DEPARTMENT FOR APPROVAL PRIOR TO CONSTRUCTION.
- PLANS ARE APPROVED FOR PERIOD OF 1 (ONE) YEAR FROM THE DATE SHOWN ON THE TOWN OF PARKER SIGNATURE BLOCK. PLANS SHALL BE RESUBMITTED TO THE TOWN FOR APPROVAL AFTER 1 YEAR. THE COST OF THE PLAN RE-REVIEW AND RE-ACCEPTANCE WILL BE CHARGED BACK TO THE DEVELOPER INCLUDING ALL TIME AND EXPENSES OF THE TOWN OF PARKER PUBLIC WORKS DEPARTMENT.
- REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS OR LANDSCAPING IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL DAMAGED EXISTING CURB, GUTTER, AND SIDEWALK SHALL BE REPAIRED PRIOR TO ACCEPTANCE OF COMPLETED IMPROVEMENTS.
- ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH THE STATE OF COLORADO PERMITTING PROCESS FOR "STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY." FOR INFORMATION, PLEASE CONTACT COLORADO DEPARTMENT OF HEALTH, WATER QUALITY CONTROL DIVISION, WQCD-PE-B2, 4300 CHERRY DRIVE SOUTH, DENVER, COLORADO 80222-1530. ATTENTION: PERMITS AND ENFORCEMENT SECTION. PHONE (303) 692-3500.
- IF DEWATERING IS REQUIRED, A STATE CONSTRUCTION DEWATERING DISCHARGE PERMIT IS REQUIRED FOR DISCHARGES TO A STORM SEWER, CHANNEL, IRRIGATION DITCH, ANY STREET THAT IS TRIBUTARY TO THE AFOREMENTIONED FACILITIES, OR ANY WATER OF THE UNITED STATES.
- ALL REFERENCES TO BOOKS, PAGES, MAPS, AND RECEPTION NUMBER ARE PUBLIC DOCUMENTS ON FILE WITH THE COUNTY CLERK AND RECORDER'S OFFICE.



S.A. MIRO INC.  
CONSULTING ENGINEERS

4582 South Ulster Street Pkwy.  
Suite 750 Denver, CO 80237  
ph. 303-741-3737  
fax 303-694-3134



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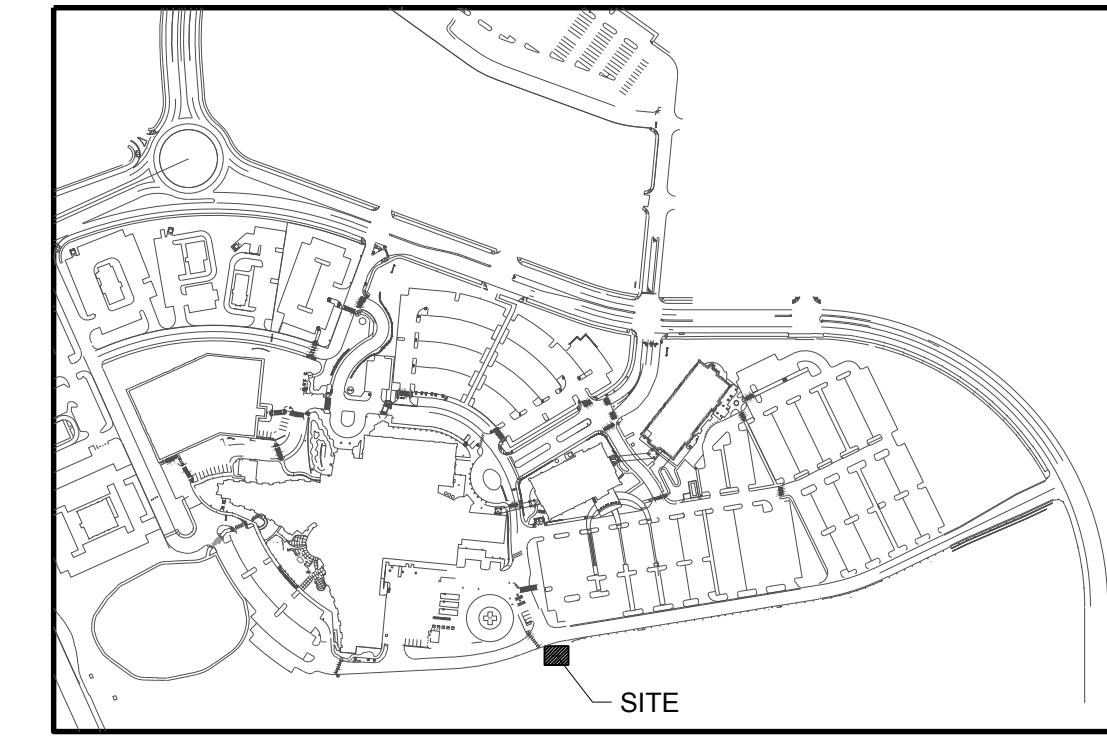
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CLIENT NAME:	<b>PARKER ADVENTIST HOSPITAL</b>
PROJECT NAME:	<b>PARKER SALT SHED 9395 CROWN CREST BLVD.</b>
DRAWING TITLE:	<b>CIVIL NOTES AND LEGEND</b>
FILE PATH:	J:\Jobs\191311 PKR Salt Shed\05 CAD\Plans and Details\C000-COV.R.dwg C001 - 4/10/2020

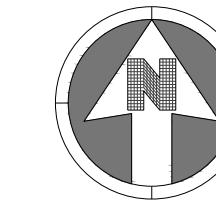
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DESIGNED BY:	MHV
DRAWN BY:	SSM
CHECKED BY:	MHV
DATE:	12/4/2019
MIRO JOB NUMBER	19131
CLIENT JOB NUMBER	

DRAWING NUMBER:  
**C-001**



**KEY MAP**  
NOT TO SCALE



5 0 5  
SCALE: 1" = 5'

**LEGEND:**

— SWALE FLOWLINE

**M I R O**  
S.A. MIRO INC.  
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4582 South Ulster Street Pkwy.  
Suite 750 Denver, CO 80237  
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fax 303-694-3134



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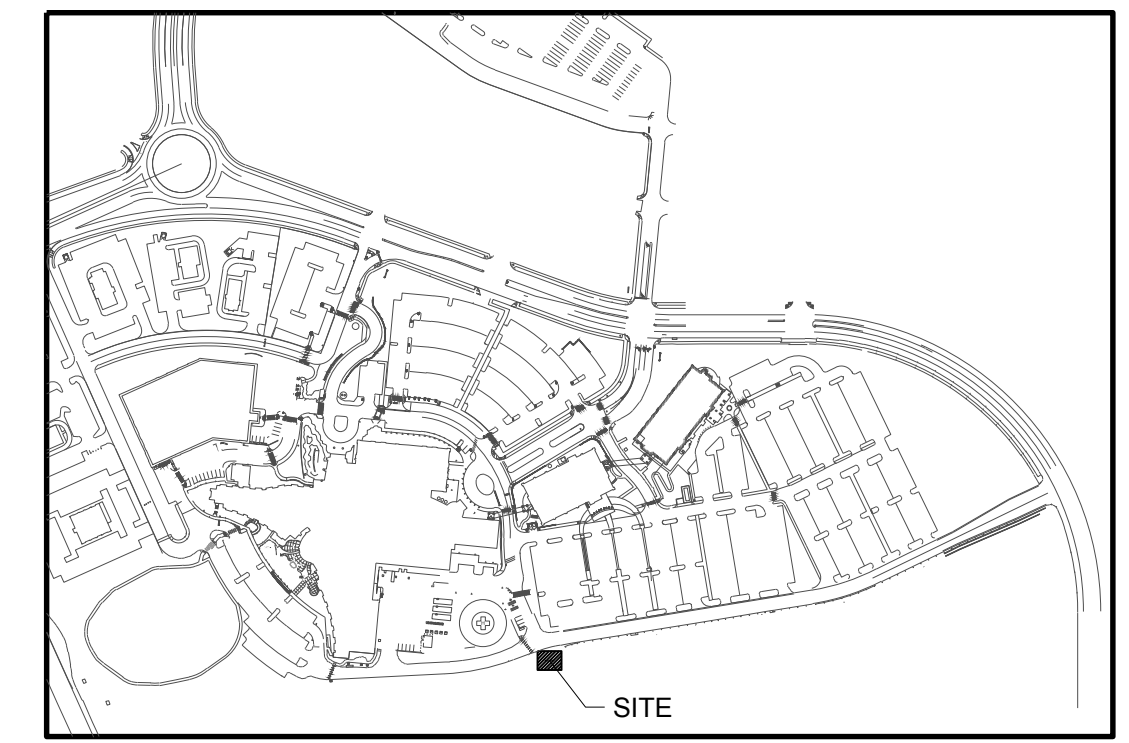
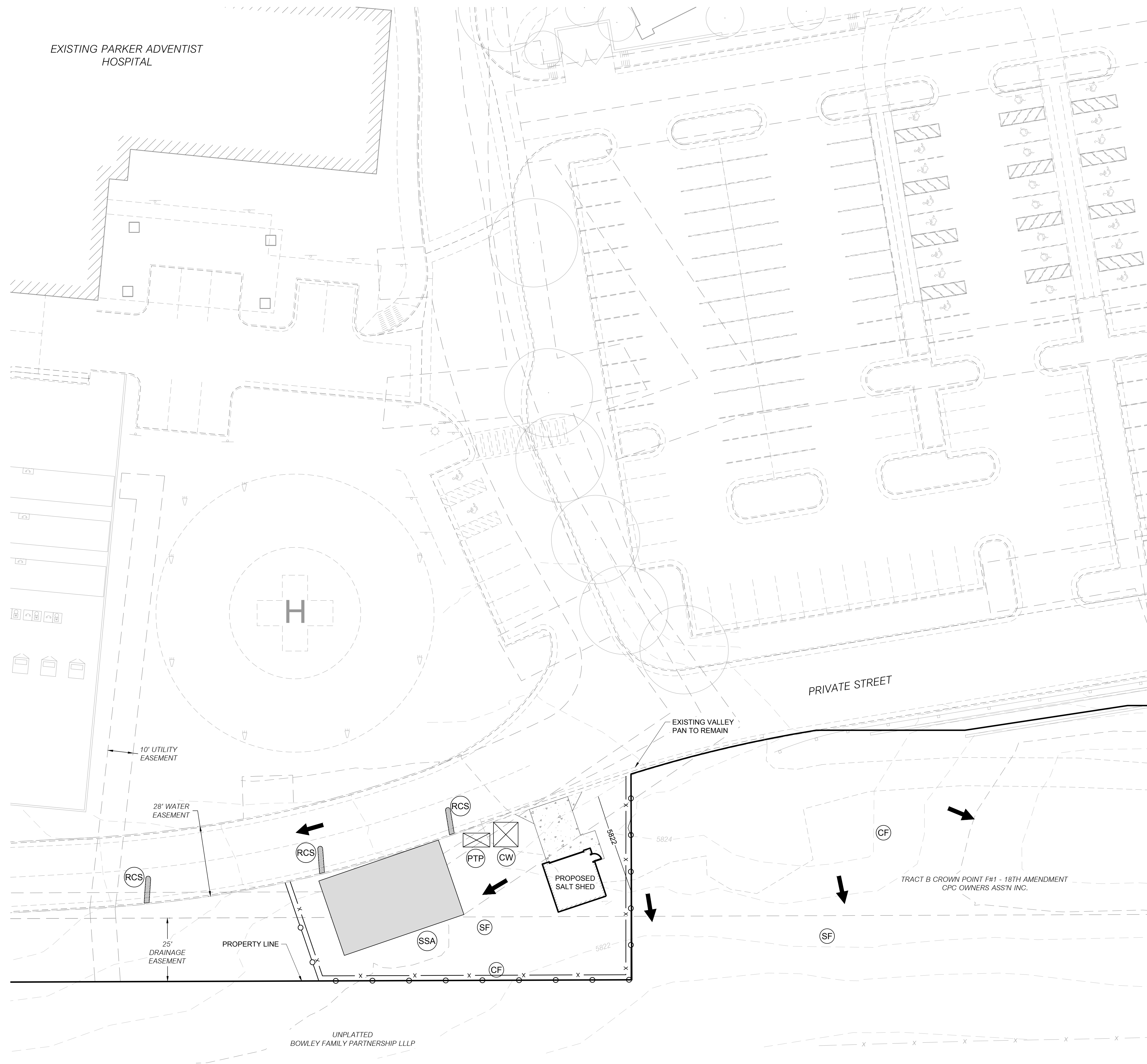
CLIENT NAME:	<b>PARKER ADVENTIST HOSPITAL</b>
PROJECT NAME:	<b>PARKER SALT SHED</b>
DRAWING TITLE:	<b>9395 CROWN CREST BLVD. GRADING PLAN</b>
FILE PATH:	

**NOT FOR CONSTRUCTION**

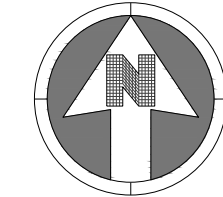
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DATE:	12/4/2019
MIRO JOB NUMBER	19131
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DRAWING NUMBER:  
**C-211**

EXISTING PARKER ADVENTIST HOSPITAL



**KEY MAP**  
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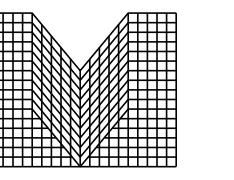
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SCALE: 1" = 20'

**NOTES:**

- SEE SHEET C-351 - C-363 FOR EROSION CONTROL DETAILS.

**LEGEND:**

- FLOW DIRECTION ARROW
- SILT FENCE
- CONSTRUCTION FENCE
- OUTLET PROTECTION
- VEHICLE TRACKING CONTROL
- PORTABLE TOILET PROTECTION
- ROUGH-CUT STREET CONTROL



**S.A. MIRO INC.**  
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REV.	DESCRIPTION	DATE
1		
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8		

CLIENT NAME: **PARKER ADVENTIST HOSPITAL**  
PROJECT NAME: **PARKER SALT SHED**  
PROJECT ADDRESS: **9395 CROWN CREST BLVD.**  
DRAWING TITLE: **EROSION CONTROL PLAN**  
FILE PATH: J:\Jobs\19131 PKR Salt Shed\05 CAD\Plans and Details\C341-EROS-PLAN.dwg C341 - 4/10/2020

**NOT FOR CONSTRUCTION**

DESIGNED BY: MHV  
DRAWN BY: SSM  
CHECKED BY: MHV  
DATE: 12/4/2019  
MIRO JOB NUMBER: 19131  
CLIENT JOB NUMBER: [blank]

DRAWING NUMBER:  
**C-341**

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

	CD	CHECK DAM
	CF	CONSTRUCTION FENCE
	CP	CULVERT PROTECTION
	CWA	CONCRETE WASHOUT AREA
	D	DEWATERING
	DD	DIVERSION DITCH
	DP	DETENTION POND PROTECTION
	DTC	DEBRIS TRASH CONTROL
	ECB	EROSION CONTROL BLANKET
	IPAN	INLET PROTECTION FOR AREA INLETS NOT IN PAVEMENT
	IPAP	INLET PROTECTION FOR AREA INLETS IN PAVEMENT
	IPCOG	INLET PROTECTION, CURB ON-GRADE, TYPE R INLET
	IPCOS	INLET PROTECTION, CURB ON SUMP, TYPE R INLET

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
 1 OF 3  
 Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

- ALL CHEMICAL OR HAZARDOUS MATERIAL SPILLS, INCLUDING CONCRETE WASHOUT WATER, WHICH MAY ENTER WATERS OF THE STATE OF COLORADO, WHICH INCLUDES BUT ARE NOT LIMITED TO, SURFACE WATER, GROUND WATER, DRY GULLIES OR STORM SEWERS LEADING TO SURFACE WATER, SHALL BE IMMEDIATELY REPORTED TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE) PER 25-8-601, AND THE TOWN OF PARKER. RELEASES OF PETROLEUM PRODUCTS AND CERTAIN HAZARDOUS SUBSTANCES LISTED UNDER THE FEDERAL CLEAN WATER ACT (40 CFR PART 116) MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER AND THE CDPHE. SPILLS THAT POSE AN IMMEDIATE SAFETY HAZARD SHALL BE REPORTED TO 911.
- THE CLEANING OF CONCRETE TRUCKS AND EQUIPMENT IS RESTRICTED TO THE APPROVED CONCRETE WASHOUT LOCATION ON THE JOB SITE. CONCRETE WASH WATER SHALL NOT BE DISCHARGED TO STATE WATERS OR STORM SEWER SYSTEMS.
- VEHICLE AND EQUIPMENT DEGREASING IS PROHIBITED ON THE JOB SITE.
- ALL DEWATERING ON SITE SHALL BE COORDINATED WITH THE TOWN'S INSPECTOR. A STATE PERMIT MAY BE REQUIRED FOR DEWATERING. THE EROSION CONTROL SUPERVISOR IS RESPONSIBLE FOR OBTAINING AND ADHERING TO ALL APPLICABLE PERMITS.
- HYDRAULIC SEEDING AND/OR HYDRAULIC MULCHING ARE ONLY ALLOWED IN AREAS UNDER TEMPORARY OR PERMANENT IRRIGATION OR FOR THE PURPOSE OF TEMPORARY SOIL STABILIZATION.
- APPLICABLE CONSTRUCTION BMPs SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL ALL LANDSCAPING HAS BEEN INSTALLED AND THE DESIRABLE VEGETATION HAS REACHED A POINT IN WHICH EROSION AND SEDIMENTATION IS NO LONGER A CONCERN AS DETERMINED BY THE TOWN'S INSPECTOR.
- GRADING SECURITY RELEASE REQUIREMENTS:
  - DEVELOPABLE PROPERTY: IN ORDER FOR THE GRADING SECURITY TO BE RELEASED, THE SITE MUST MEET ITEMS A-H OR ITEM I (BELOW).
    - ALL SOIL-DISTURBING ACTIVITIES ASSOCIATED WITH THE GRADING PERMIT HAVE PERMANENTLY CEASED.
    - UNIFORM PERENNIAL VEGETATION COVER HAS BEEN ESTABLISHED WITH AN INDIVIDUAL PLANT DENSITY OF AT LEAST SEVENTY PERCENT (70%) OF PRE-DISTURBANCE LEVELS.
    - ALL CBMPs HAVE BEEN PROPERLY REMOVED FROM THE SITE.
    - IF ANY EROSION IS PRESENT, IT IS INSIGNIFICANT AND IS NOT LEAVING THE SITE AND/OR LEADING INTO ANY ON-SITE DRAINAGE INFRASTRUCTURE THAT MAY CONVEY SURFACE WATER OFF SITE.
    - WEEDS REPRESENT NO MORE THAN FIFTY PERCENT (50%) OF THE TOTAL VEGETATION ON THE SITE.
    - NO WEEDS ARE PRESENT FROM LIST A OF THE COLORADO NOXIOUS WEED LIST, AS AMENDED.
    - THE SITE IS PREDOMINANTLY FREE OF WEEDS FROM LIST B OF THE COLORADO NOXIOUS WEED LIST, AS AMENDED.
    - WEEDS ARE EVENLY DISTRIBUTED THROUGHOUT THE SITE WITH NO LARGE CONCENTRATIONS PRESENT.
    - A NEW GRADING PERMIT AND REPLACEMENT SECURITY HAS BEEN SUBMITTED AND APPROVED FOR THE APPLICABLE SITE OR ASSIGNMENT AS PROVIDED BY SECTION 11.10.150 OF THE TOWN OF PARKER MUNICIPAL CODE. IT IS THE PROPERTY OWNER'S OBLIGATION AT THE TIME OF CLOSING TO ENSURE THAT THE NEW SITE OWNER HAS PROVIDED THE TOWN WITH A REPLACEMENT SECURITY.

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
 GEN NOTES  
 3 OF 4  
 Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

- GRADING, DRILLING, CLEARING, EXCAVATING, BACK-FILLING, SOIL STRIPPING, SOIL IMPORTING, EXPORTING OR ANY OTHER FORM OF SOIL DISTURBANCE SHALL NOT COMMENCE UNTIL A TOWN OF PARKER GRADING/EXCAVATION PERMIT HAS BEEN ISSUED.
- THE TOWN OF PARKER GRADING/EXCAVATION PERMIT IS VALID FOR A PERIOD OF 2 YEARS FROM THE DATE OF ISSUANCE. ANY LAPSE IN PERMIT COVERAGE MAY RESULT IN THE ISSUANCE OF A STOP WORK ORDER AND/OR FINES.
- ALL EROSION AND SEDIMENT CONTROL BMPs SHALL BE INSTALLED ACCORDING TO THE CBMP PLAN INSTALLATION NOTES AND DETAILS AND/OR PERMITTED VARIANCES. ALL MATERIALS, WORKMANSHIP AND INSTALLATION METHODS ARE SUBJECT TO INSPECTION BY THE TOWN'S INSPECTOR. THE TOWN OF PARKER RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS, WORKMANSHIP AND/OR INSTALLATION METHODS THAT DO NOT CONFORM TO THE CBMP PLAN AND/OR PERMITTED VARIANCES.
- THE EROSION CONTROL SUPERVISOR SHALL REVISE OR MODIFY THE EROSION AND SEDIMENT CONTROL MEASURES IF IT BECOMES APPARENT THAT THE ORIGINAL PLAN IS INADEQUATE, OR AS A RESULT OF DEFICIENCIES IDENTIFIED DURING INSPECTIONS PERFORMED BY THE TOWN'S INSPECTOR.
- THE INSTALLATION OF ADDITIONAL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs) MAY BE REQUIRED OF THE EROSION CONTROL SUPERVISOR, PROPERTY OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS AT ANY TIME THROUGHOUT THE DURATION OF THE PROJECT CONSTRUCTION AND/OR SUBSEQUENT REVEGETATION PERIOD.
- THE EROSION CONTROL SUPERVISOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE SITE REMAINS IN COMPLIANCE WITH THE NOTICE OF NUISANCE REPORTS (e.g., CONSTRUCTION SITE RUNOFF CONTROL INSPECTION REPORTS), APPROVED CBMP PLAN(S) AND THE TOWN OF PARKER STORM DRAINAGE AND ENVIRONMENTAL CRITERIA MANUAL.
- THE EROSION CONTROL SUPERVISOR SHALL BE READILY AVAILABLE TO DISCUSS AND CORRECT ANY PROBLEMS THAT MAY ARISE RELATING TO GRADING, EROSION AND SEDIMENT CONTROL.
- IF IT IS ANTICIPATED THAT ALL OR A PORTION OF THE PROJECT WILL OCCUR DURING SEASONS SUSCEPTIBLE TO SNOWFALL, THE USE OF CERTAIN EROSION AND SEDIMENT CONTROL BMPs ADJACENT TO PUBLIC ROADWAYS MAY NEED TO BE RECONSIDERED DUE TO THE NATURE OF SNOW REMOVAL OPERATIONS. AN APPROVED ALTERNATIVE MAY BE NECESSARY TO MINIMIZE DAMAGE FROM THESE OPERATIONS. THE TOWN OF PARKER ASSUMES NO RESPONSIBILITY FOR DAMAGE TO ANY BMPs AS A RESULT OF SNOW PLOWING AND SNOW REMOVAL.
- AREAS OF LAND DISTURBANCE EQUAL TO 40 ACRES OR GREATER SHALL NOT BE EXPOSED FOR MORE THAN 30 CONSECUTIVE DAYS WITHOUT TEMPORARY OR PERMANENT STABILIZATION.
- AUTHORIZED EXEMPTIONS MAY BE ALLOWED TO THE 40-ACRE LIMIT FOR REMOVAL AND STORAGE OF CUT MATERIAL WHERE (A) GEOTECHNICAL LIMITATIONS RESTRICT THE USE OF TEMPORARY OR PERMANENT STABILIZATION OF THE STORED MATERIAL (E.G., SWELLING SOILS, ROCK) AND (B) WHEN THE OWNER CAN DEMONSTRATE THAT THE 40-ACRE LIMIT IS PHYSICALLY AND/OR FINANCIALLY IMPRACTICABLE. FOR SITES GRANTED THIS EXEMPTION, A PHASING AND EARTHWORK QUANTITIES PLAN SHALL BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT AND APPROVED PRIOR TO THE COMMENCEMENT OF LAND DISTURBANCE ACTIVITIES. SUBMITTAL REQUIREMENTS INCLUDE:
  - PHASING PLAN SHOWING CUT AND FILL VOLUMES AND LOCATIONS FOR EACH PHASE AND PROJECT TOTALS.
  - EARTHWORK QUANTITY PLAN SHOWING CUT AND FILL VOLUMES AND LOCATIONS FOR EACH PHASE AND PROJECT TOTALS.
  - BMP PLAN SHOWING SPECIFIC EROSION AND SEDIMENT CONTROLS FOR EACH PHASE.

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
 GEN NOTES  
 1 OF 4  
 Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

	LP	LOT PROTECTION
	MWP	MASONRY WORK PROTECTION
	PTP	PORTABLE TOILET PROTECTION
	RCSC	ROUGH CUT STREET CONTROL
	RS	ROCK SOCK
	RSS	ROCK SOCK IN SWALE
	SB	STRAW BALE
	SCL	SEDIMENT CONTROL LOGS
	SF	SILT FENCE
	SMC	SEEDING, MULCHING AND CRIMPING
	SR	SURFACE ROUGHING
	SSA	STABILIZED STAGING AREA
	STP	SIDEWALK TRANSITION PROTECTION

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
 2 OF 3  
 Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

- NONDEVELOPABLE PROPERTY: IN ORDER FOR THE GRADING SECURITY TO BE RELEASED, THE SITE MUST MEET ITEMS A-H AND J, OR ITEMS I AND J (BELOW).
  - ALL SOIL-DISTURBING ACTIVITIES ASSOCIATED WITH THE GRADING PERMIT HAVE PERMANENTLY CEASED.
  - ALL CBMPs HAVE BEEN PROPERLY REMOVED FROM THE SITE.
  - EROSION IS NEGLIGIBLE, IF EVEN PRESENT.
  - THE VEGETATION REPRESENTS A PERENNIAL STAND OF A DENSE, UNIFORM SURFACE OF GRASS WITH NO AREA GREATER THAN ONE (1) SQUARE FOOT THAT IS BARREN OF DESIRABLE VEGETATION, INFREQUENT, WIDELY SCATTERED AREAS WHERE NATIVE VEGETATION HAS NOT YET TAKEN HOLD MAY QUALIFY FOR ACCEPTANCE AT THE DISCRETION OF THE TOWN.
  - WEEDS REPRESENT NO MORE THAN TEN PERCENT (10%) OF THE TOTAL VEGETATION ON SITE.
  - NO WEEDS ARE PRESENT FROM LIST A OF THE COLORADO NOXIOUS WEED LIST, AS AMENDED.
  - THE SITE IS PREDOMINANTLY FREE OF WEEDS FROM LIST B OF THE COLORADO NOXIOUS WEED LIST, AS AMENDED.
  - WEEDS ARE EVENLY DISTRIBUTED THROUGHOUT THE SITE WITH NO LARGE CONCENTRATIONS PRESENT.
  - A NEW GRADING PERMIT AND REPLACEMENT SECURITY HAS BEEN SUBMITTED AND APPROVED FOR THE APPLICABLE SITE OR THE GRADING PERMIT HAS BEEN ASSIGNED AS PROVIDED BY SECTION 11.10.150 OF THE TOWN OF PARKER MUNICIPAL CODE. IT IS THE PROPERTY OWNER'S OBLIGATION, AT THE TIME OF CLOSING ON THE SALE OF A SITE THAT IS SUBJECT TO A GRADING PERMIT, TO ENSURE THAT THE NEW PROPERTY OWNER HAS PROVIDED THE TOWN WITH A REPLACEMENT SECURITY.
  - ALL KNOWN DRAINAGE ISSUES ASSOCIATED WITH THE PROJECT HAVE BEEN MITIGATED AND A SUFFICIENT AMOUNT OF TIME HAS PASSED TO ENSURE THAT SUCH ISSUES HAVE BEEN CORRECTED. THIS REQUIREMENT DOES NOT INCLUDE THOSE DRAINAGE ISSUES ORIGINATING ON RESIDENTIAL LOTS.
  - NOXIOUS WEEDS MUST BE CONTROLLED AS PROVIDED UNDER STATE LAW AND SECTION 6.01.260 OF THE TOWN OF PARKER MUNICIPAL CODE. FAILURE TO CONTROL NOXIOUS WEEDS ON THE SITE MAY CONSTITUTE A NUISANCE, SUBJECT TO THE PENALTIES CONTAINED IN THE CODE.

**DEFINITIONS:**  
 DEVELOPABLE PROPERTY MEANS ANY LAND THAT HAS BEEN GRADED AND IS PART OF A PLATTED LOT OR PLATTED TRACT OF RECORD, THAT WAS PLATTED FOR FUTURE DEVELOPMENT, INCLUDING RESIDENTIAL HOME CONSTRUCTION OR PUBLIC IMPROVEMENTS.  
 NONDEVELOPABLE PROPERTY MEANS LAND THAT HAS BEEN GRADED AND WILL NOT BE FURTHER DISTURBED AS PART OF ANY FUTURE DEVELOPMENT, EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO: PARKS, OPEN SPACES, HOMEOWNER ASSOCIATION OR BUSINESS ASSOCIATION PLATTED TRACTS, DETENTION PONDS AND DRAINAGEWAYS.

- FAILURE TO COMPLY WITH ANY OF THE REQUIREMENTS DESCRIBED IN THIS SECTION MAY RESULT IN THE ISSUANCE OF: A NOTICE OF INTENT TO ISSUE A STOP WORK ORDER, A STOP WORK ORDER AND/OR THE REMEDIES/PENALTIES DESCRIBED IN CHAPTER 11.10 OF THE TOWN OF PARKER MUNICIPAL CODE.
- ANY PERSON CONVICTED OF VIOLATING ANY PROVISION OF THE TOWN OF PARKER, GRADING & EARTH MOVEMENT SECTION OF THE MUNICIPAL CODE SHALL BE GUILTY OF A MISDEMEANOR AND, UPON CONVICTION, BE PUNISHED BY A FINE OF NOT MORE THAN FOUR HUNDRED NINETY NINE DOLLARS (\$499.00) FOR EACH SEPARATE OFFENSE. EACH DAY A VIOLATION CONTINUES SHALL CONSTITUTE A SEPARATE OFFENSE. THE TOWN ALSO MAY SEEK IN MUNICIPAL COURT AN INJUNCTION, ABATEMENT, RESTITUTION OR ANY OTHER REMEDY TO PREVENT, ENJOIN, ABATE OR REMOVE THE VIOLATION. A PERSON CONVICTED OF VIOLATING CHAPTER 11.10 OF THE TOWN OF PARKER MUNICIPAL CODE SHALL BE LIABLE FOR THE ACTUAL COST OF REHABILITATING THE PROPERTY. THE COSTS MAY BE RECOVERED AS RESTITUTION IN MUNICIPAL COURT PROCEEDINGS OR IN A SEPARATE CIVIL ACTION.
- THE TOWN OF PARKER RESERVES THE RIGHT TO ALLOW MODIFICATIONS AND SUBSTITUTIONS TO THE CBMP NOTES AND DETAILS WHEN SUCH MODIFICATIONS AND SUBSTITUTIONS OFFER THE SAME LEVEL OF PROTECTION AS THE STANDARD REQUIREMENTS BASED UPON THE SPECIFIC SITUATION, AS DETERMINED BY TOWN STAFF. DUE TO THE INSIGNIFICANCE AND REGULARITY OF SUCH MODIFICATIONS AND SUBSTITUTIONS, THE APPROVAL OF SUCH VARIATIONS MAY NOT BE DOCUMENTED BY TOWN STAFF.

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
 GEN NOTES  
 4 OF 4  
 Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

- ANY EROSION AND SEDIMENT CONTROL BMPs THAT ARE DAMAGED OR IN NEED OF MAINTENANCE OR REPLACEMENT SHALL BE CORRECTED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES.
- ALL DEFICIENCIES LISTED ON THE NOTICE OF NUISANCE FORM SHALL BE COMPLETED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES. ALL REQUIRED ACTIONS MUST BE IN THE CORRECTED FORM DURING THE FOLLOW-UP INSPECTION.
- THE EROSION CONTROL SUPERVISOR IS RESPONSIBLE FOR ENSURING THAT ALL STREETS, CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS, PARKING LOTS, ALLEYS, TRICKLE CHANNELS, AND/OR OTHER IMPERVIOUS SURFACES IMPACTED BY CONSTRUCTION ACTIVITIES ARE THOROUGHLY CLEANED THROUGHOUT THE DAY IF THEY BECOME SOILED. THESE AREAS MUST ALSO BE THOROUGHLY CLEAN BEFORE THE END OF THE WORK DAY.
- BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS.
- ALL TRASH RECEPTACLES ON SITE SHALL BE FREE OF HOLES, CRACKS, GAPS, AND/OR OTHER PERMEABLE AREAS THAT MAY ALLOW FOR THE DISCHARGE OF POLLUTANTS.
- ALL TRASH RECEPTACLES ON SITE SHALL BE EMPTIED AT A FREQUENCY AS TO ENSURE THAT THE TRASH REMAINS CONFINED TO THE RECEPTACLE.
- ALL LOOSE TRASH AND LITTER ASSOCIATED WITH THE PROJECT MUST BE REMOVED AND PROPERLY DISCARDED ON A DAILY BASIS.
- ALL PORTABLE TOILETS SHALL BE STAKED DOWN AT ALL TIMES USING U-SHAPED REBAR STAKES. THE PORTABLE TOILETS SHALL ALSO BE PLACED A MINIMUM DISTANCE OF 10 FEET FROM ALL IMPERVIOUS SURFACES, INCLUDING, BUT NOT LIMITED TO STREETS CURBS, GUTTERS, SIDEWALKS AND PARKING LOTS.
- THE EROSION CONTROL SUPERVISOR SHALL MAINTAIN STRICT ADHERENCE TO THE LIMITS OF CONSTRUCTION AND PROPERTY LIMITS FOR ALL MATERIALS, VEHICLES AND EQUIPMENT. FAILURE TO ABIDE BY THIS REQUIREMENT MAY RESULT IN THE ISSUANCE OF A STOP WORK ORDER.
- ALL CONSTRUCTION TRAFFIC MUST ENTER AND EXIT THE SITE THROUGH THE APPROVED ACCESS POINT(S). A VEHICLE TRACKING CONTROL PAD IS REQUIRED AT ALL APPROVED ACCESS POINTS TO THE SITE. EXCEPTIONS MAY BE CONSIDERED FOR CONSTRUCTION ACTIVITY OCCURRING IMMEDIATELY ADJACENT TO PAVED AREAS AND WHERE ALTERNATIVE BMP'S ARE IMPLEMENTED. SUCH ACTIVITY MAY INCLUDE, BUT NOT BE LIMITED TO RESIDENTIAL CONSTRUCTION, UTILITY CONSTRUCTION, ETC.
- NO PERMANENT SLOPES GREATER THAN 3:1 ARE ALLOWED.
- ALL PERMANENT SLOPES STEEPER THAN 4:1 (HORIZONTAL TO VERTICAL) SHALL REQUIRE EROSION CONTROL BLANKET(S). TEMPORARY SLOPES IN TEMPORARY SEDIMENT BASINS THAT ARE STEEPER THAN 4:1 MAY REQUIRE EROSION CONTROL BLANKETS.
- THE EROSION CONTROL SUPERVISOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ADVERSE IMPACTS THAT OCCUR TO NEIGHBORING PROPERTIES. THE EROSION CONTROL SUPERVISOR MUST OBTAIN PERMISSION FROM LAND OWNERS PRIOR TO ENTERING SUCH PROPERTY.
- A WATER SOURCE SHALL BE AVAILABLE ONSITE DURING CONSTRUCTION ACTIVITIES, AND UTILIZED TO MINIMIZE FUGITIVE DUST. ALTERNATIVE BMPs MAY BE REQUIRED IF INITIAL ATTEMPTS TO SUPPRESS DUST ARE UNSUCCESSFUL.

**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
 GEN NOTES  
 2 OF 4  
 Oct. 2013

**M I R O**  
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**PARKER ADVENTIST HOSPITAL**  
**PARKER SALT SHED**  
**9395 CROWN CREST BLVD.**  
**EROSION CONTROL DETAILS**

CLIENT NAME:  
 PROJECT NAME:  
 DRAWING TITLE:  
 FILE PATH: J:\Jobs\19131 PKR Salt Shed\05 CAD\Plans and Details\C351-EROS-DTL.dwg C-351 - 4/10/2020

**NOT FOR CONSTRUCTION**

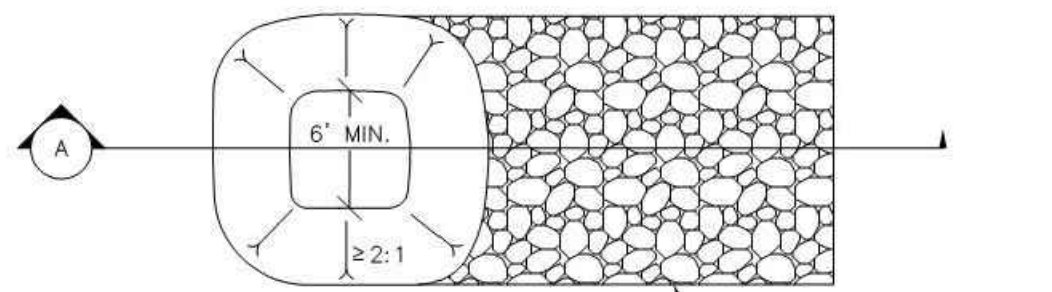
DESIGNED BY: MHV  
 DRAWN BY: SSM  
 CHECKED BY: MHV  
 DATE: 12/4/2019

MIRO JOB NUMBER: 19131  
 CLIENT JOB NUMBER: 19131

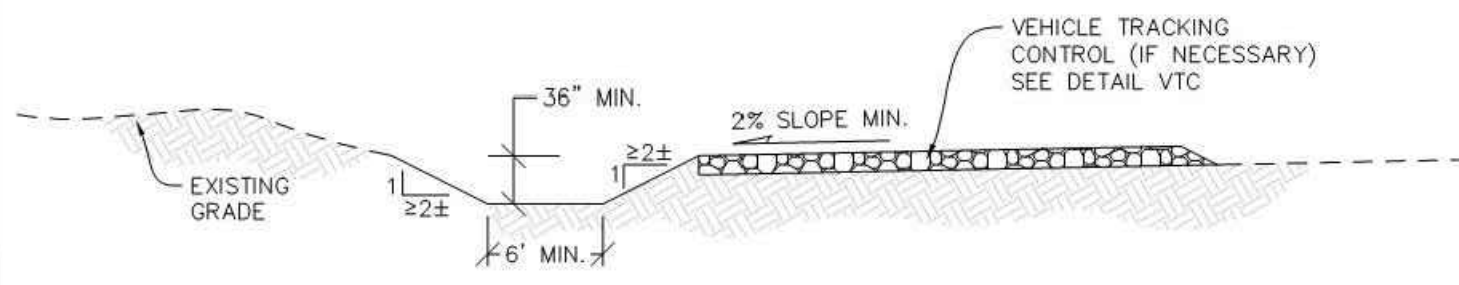
DRAWING NUMBER:  
**C-351**

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

NOTE:  
A VTC PAD IS NOT NECESSARY IF THERE IS ANOTHER VTC PAD IN BETWEEN THE CWA AND ROADWAY, PARKING LOT, DRIVE AISLES, ETC.



PLAN VIEW

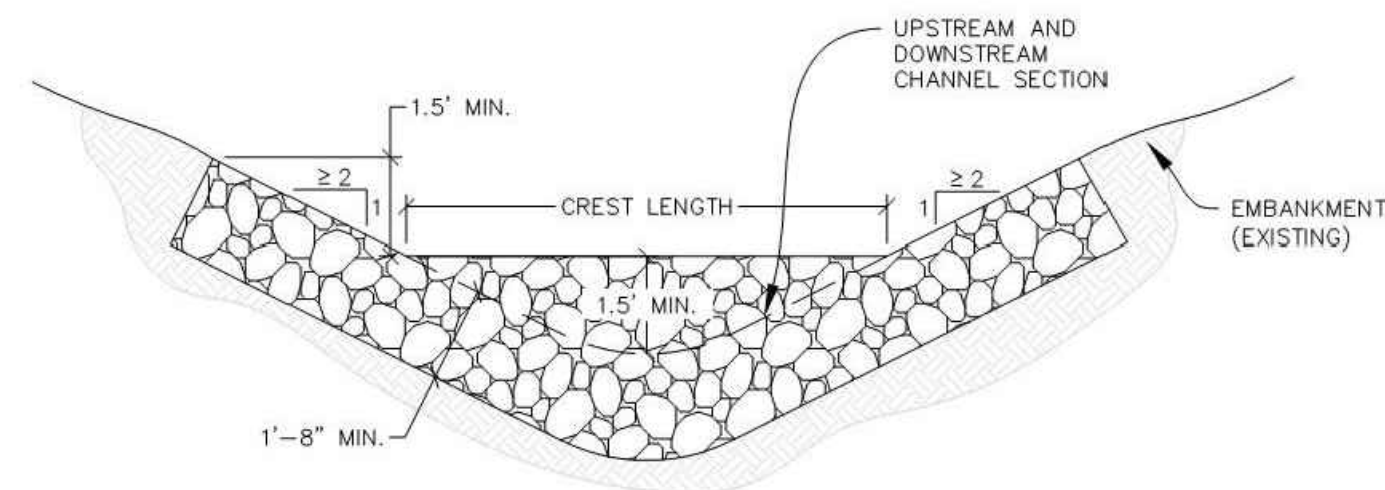


SECTION A

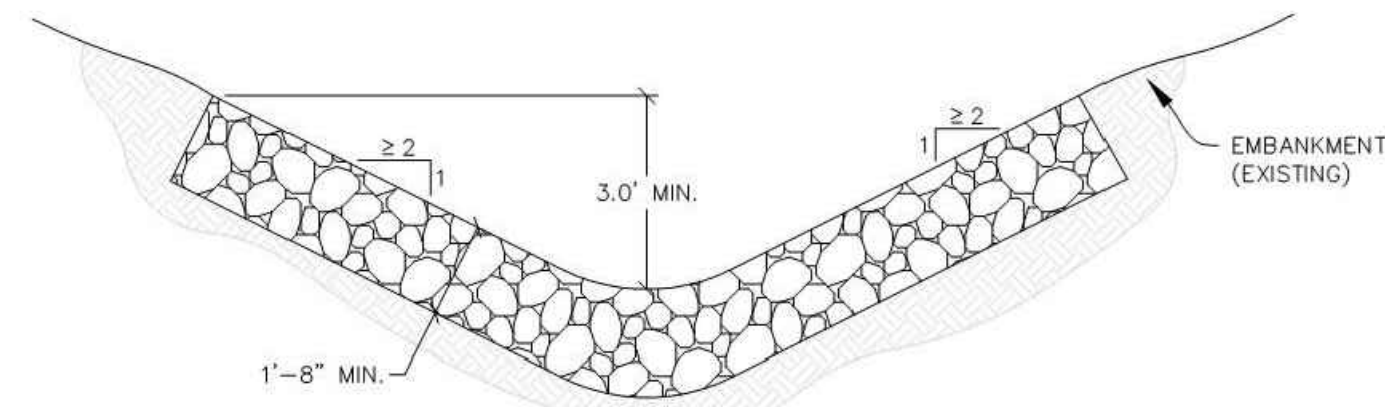


**Parker COLORADO** | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | **CWA** 1 OF 2 Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.



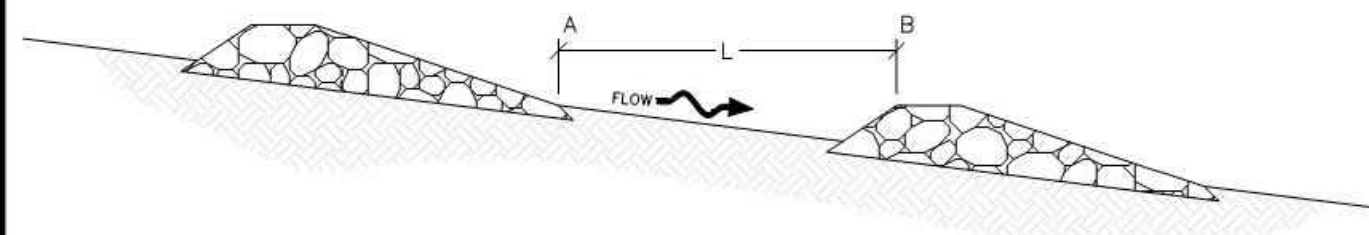
SECTION B



SECTION C

NOTE: SECTION C IS LOCATED IMMEDIATELY UPSTREAM AND DOWNSTREAM OF THE CHECK DAM, THEREFORE NO ROCK IS SHOWN WITHIN THE CHANNEL FLOW AREA.

L = THE DISTANCE SUCH THAT POINT A AND B ARE OF EQUAL ELEVATION.

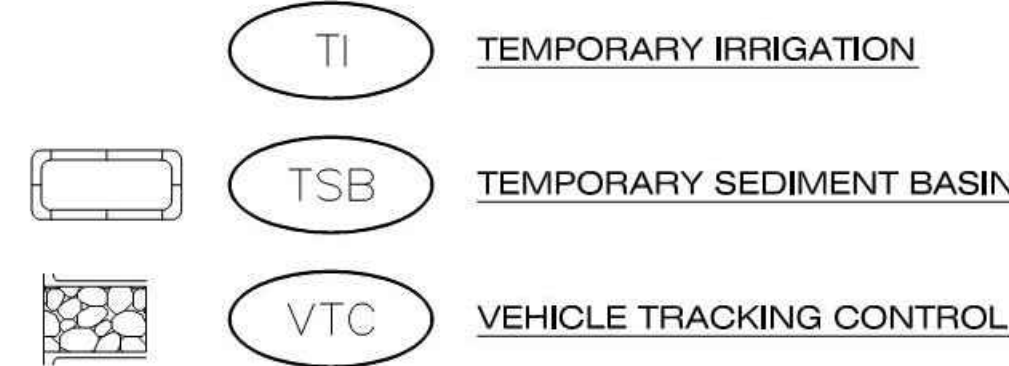


SPACING BETWEEN CHECK DAMS



**Parker COLORADO** | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | **CD** 2 OF 3 Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.



**Parker COLORADO** | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | **LEGEND** 3 OF 3 Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

**CONCRETE WASHOUT AREA INSTALLATION NOTES**

1. CONCRETE WASHOUT AREAS SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
2. A VEHICLE TRACKING CONTROL PAD IS REQUIRED AT THE ACCESS POINT TO ALL CONCRETE WASHOUT AREAS WHEN NO OTHER VTC PAD EXISTS IN BETWEEN THE CWA AND THE ROADWAY.
3. IF GROUNDWATER IS ENCOUNTERED WHEN DIGGING THE PIT, A NEW LOCATION SHOULD BE SELECTED. IF NO OTHER LOCATION CAN BE FOUND, A ONE-PIECE IMPERVIOUS LINER SHALL BE REQUIRED ALONG THE BOTTOM AND SIDES OF THE SUBSURFACE PIT.

**CONCRETE WASHOUT AREA INSPECTION AND MAINTENANCE NOTES**

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE CONCRETE WASHOUT AREA.
2. CONCRETE WASHOUT MATERIALS SHALL BE REMOVED BEFORE ITS CAPACITY HAS BEEN REACHED.
3. CONCRETE WASHOUT AREAS SHALL BE ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE AND ASSOCIATED WASH WATER.
4. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE AS NECESSARY TO ENSURE ADEQUATE CAPACITY.
5. CONCRETE WASHOUT AREAS SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
6. WHEN CONCRETE WASHOUT AREAS ARE REMOVED, THE TOWN'S INSPECTOR MAY REQUIRE EXCAVATIONS TO BE FILLED WITH SUITABLE COMPACTED BACKFILL AND TOPSOIL, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE CONCRETE WASHOUT AREAS SHALL BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).

**Parker COLORADO** | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | **CWA** 2 OF 2 Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

**CHECK DAM INSTALLATION NOTES**

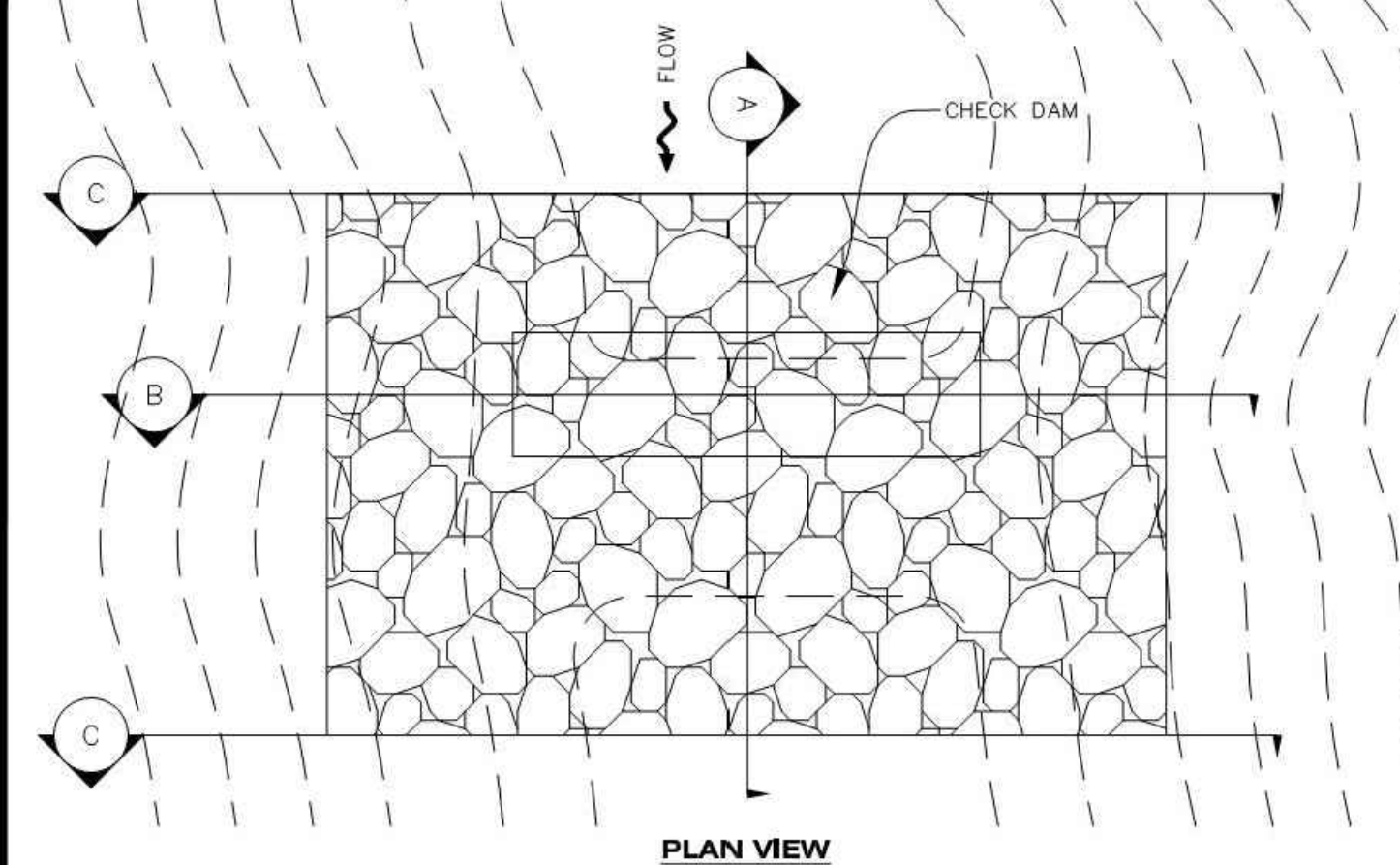
1. SEE PLAN VIEW FOR LOCATION(S) OF CHECK DAMS.
2. CHECK DAMS SHOWN ON CBMP PLAN SHALL BE INSTALLED WHEN DIRECTED BY THE TOWN'S INSPECTOR.
3. RIPRAP UTILIZED FOR CHECK DAMS SHALL HAVE A D50 MEDIAN STONE SIZE OF 12".
4. RIPRAP PAD SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 1'-8".
5. THE MAXIMUM SPACING BETWEEN CHECK DAMS SHOULD BE SUCH THAT THE BOTTOM OF THE UPSTREAM DAM IS AT THE SAME ELEVATION AS THE TOP OF THE DOWNSTREAM DAM AS SHOWN IN THE DETAIL.

**CHECK DAM INSPECTION AND MAINTENANCE NOTES**

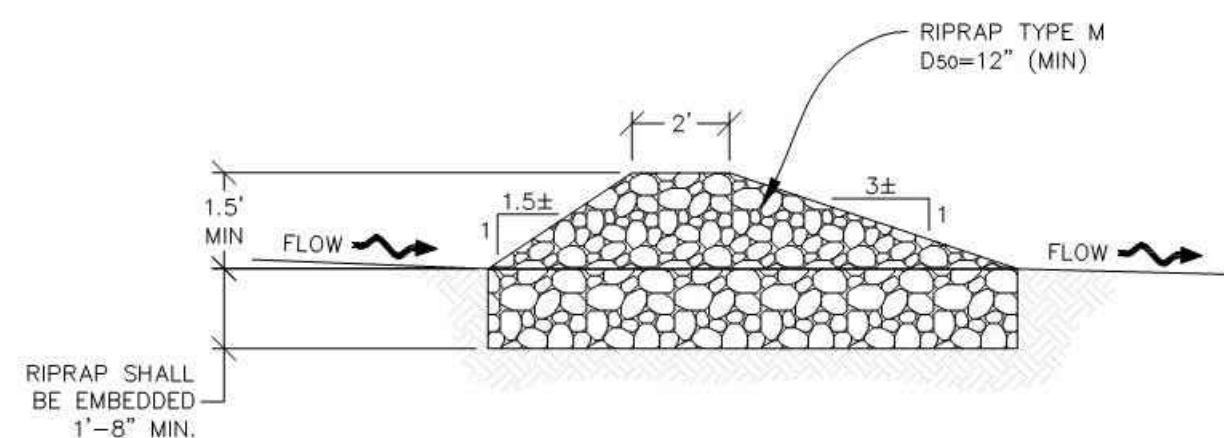
1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE CHECK DAMS.
2. ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE SEDIMENT HAS REACHED A DEPTH EQUAL TO 1/2 THE HEIGHT OF THE CREST OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.
3. CHECK DAMS SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.
4. WHEN CHECK DAMS ARE REMOVED, THE TOWN'S INSPECTOR MAY REQUIRE EXCAVATIONS TO BE FILLED WITH SUITABLE COMPACTED TOPSOIL AND ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE CHECK DAMS BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).
5. IN SOME INSTANCES, CHECK DAMS MAY REMAIN IN PLACE PERMANENTLY.

**Parker COLORADO** | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | **CD** 3 OF 3 Oct. 2013

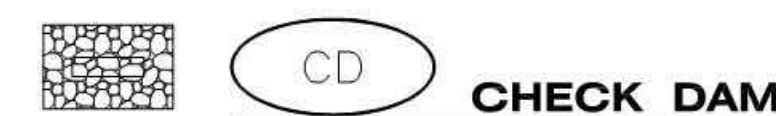
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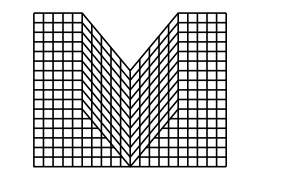
PLAN VIEW



SECTION A



**Parker COLORADO** | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | **CD** 1 OF 3 Oct. 2013



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CONSULTING ENGINEERS  
4582 South Ulster Street Pkwy.  
Suite 750 Denver, CO 80237  
ph. 303-741-3737  
fax 303-694-3134



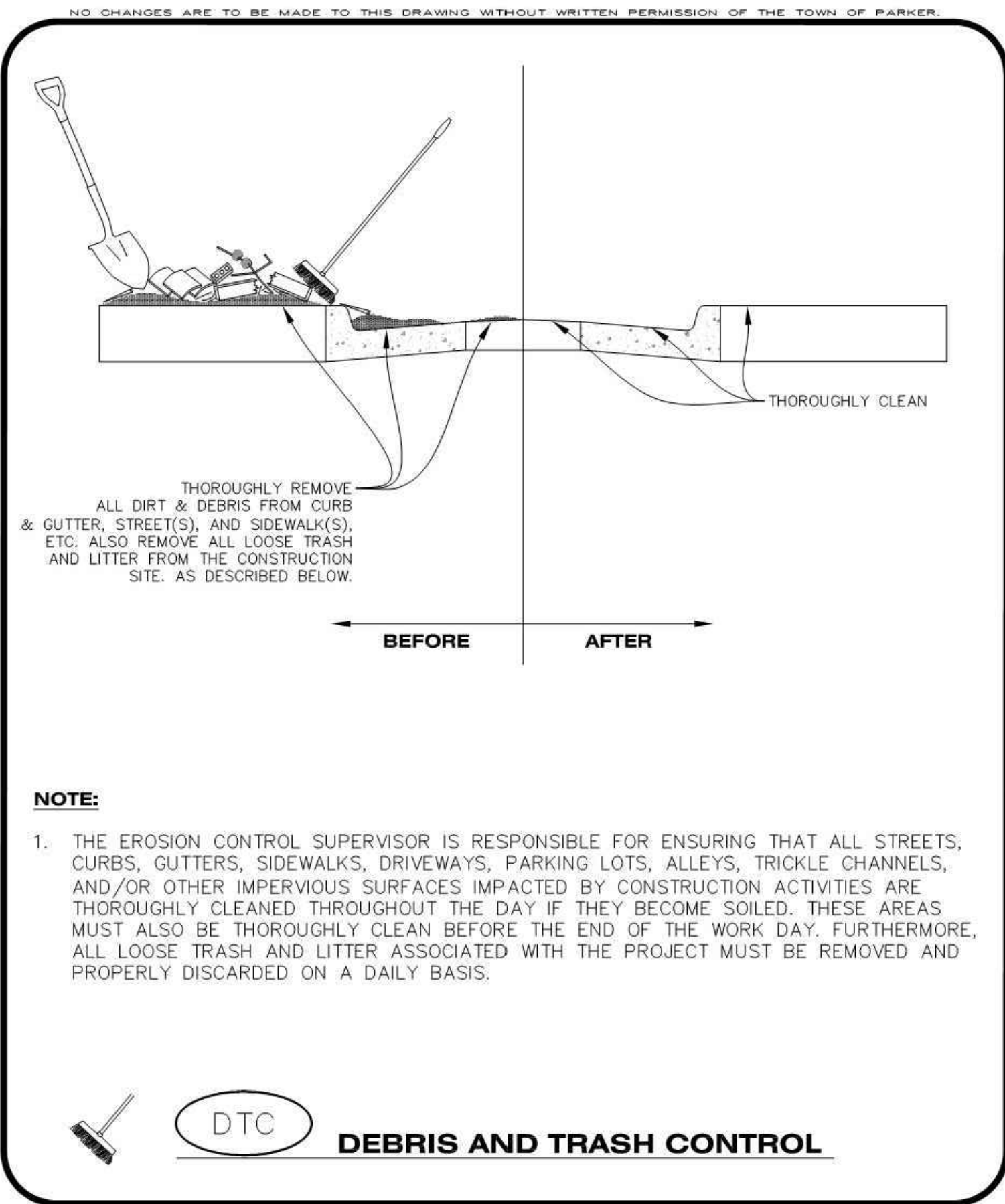
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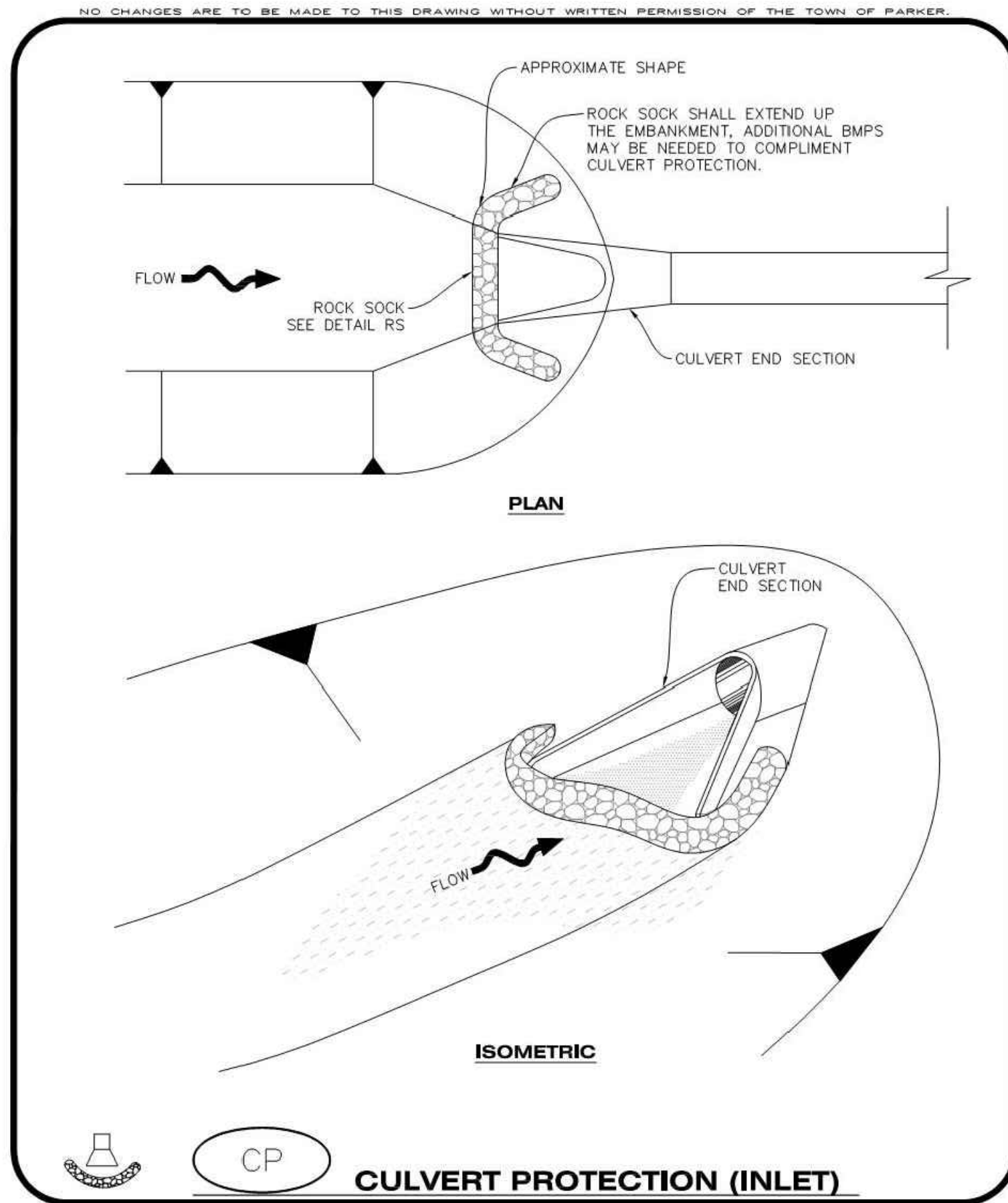
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PROJECT NAME: **PARKER SALT SHED**  
PROJECT ADDRESS: **9395 CROWN CREST BLVD.**  
DRAWING TITLE: **EROSION CONTROL DETAILS**  
FILE PATH: J:\Jobs\19131\PKR Salt Shed\05 CAD\Plans and Details\C351-EROS-DTL.S.dwg C-352 - 4/10/2020

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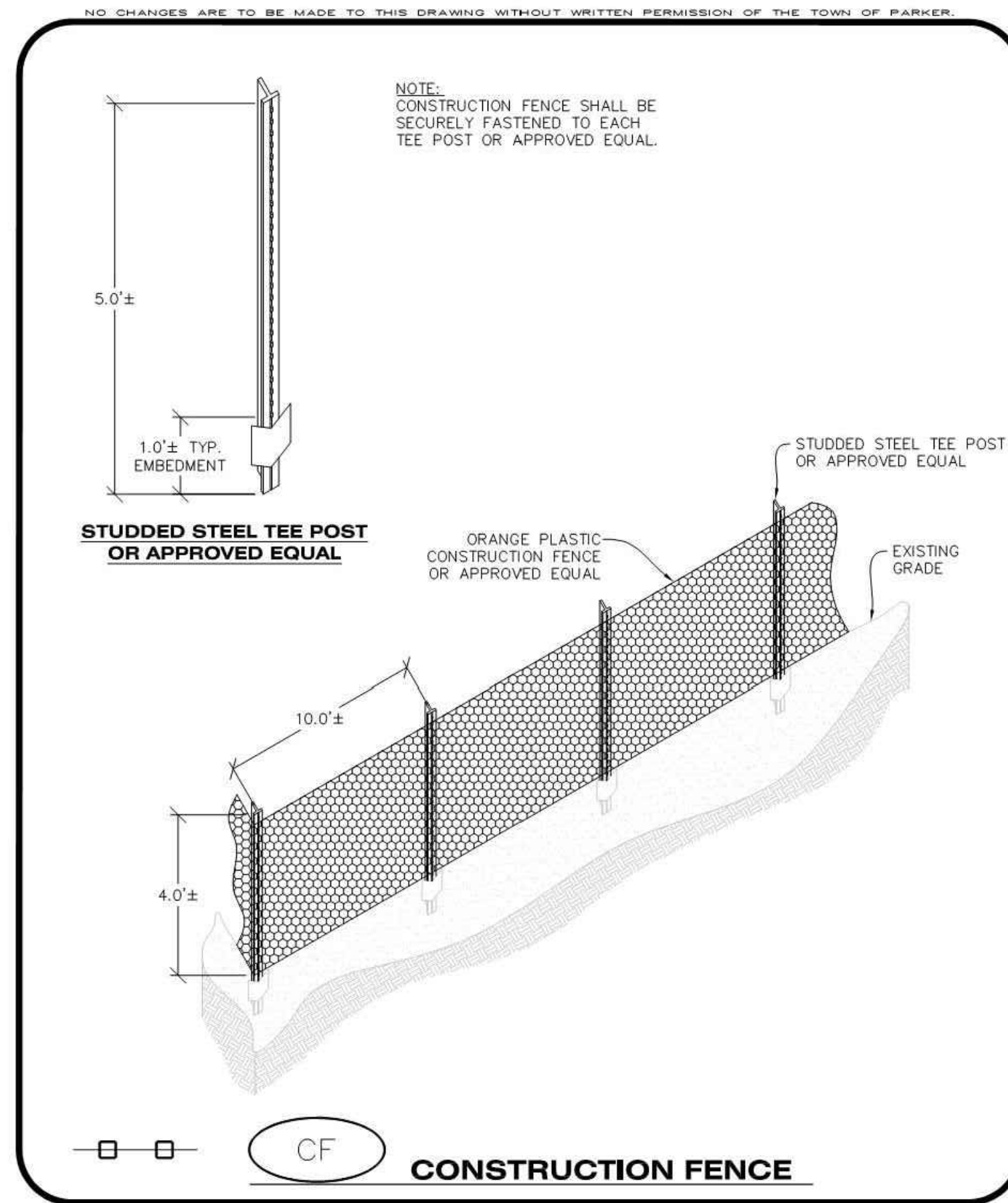
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DRAWN BY: SSM  
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DATE: 12/4/2019  
MIRO JOB NUMBER: 19131  
CLIENT JOB NUMBER: 19131  
DRAWING NUMBER: **C-352**



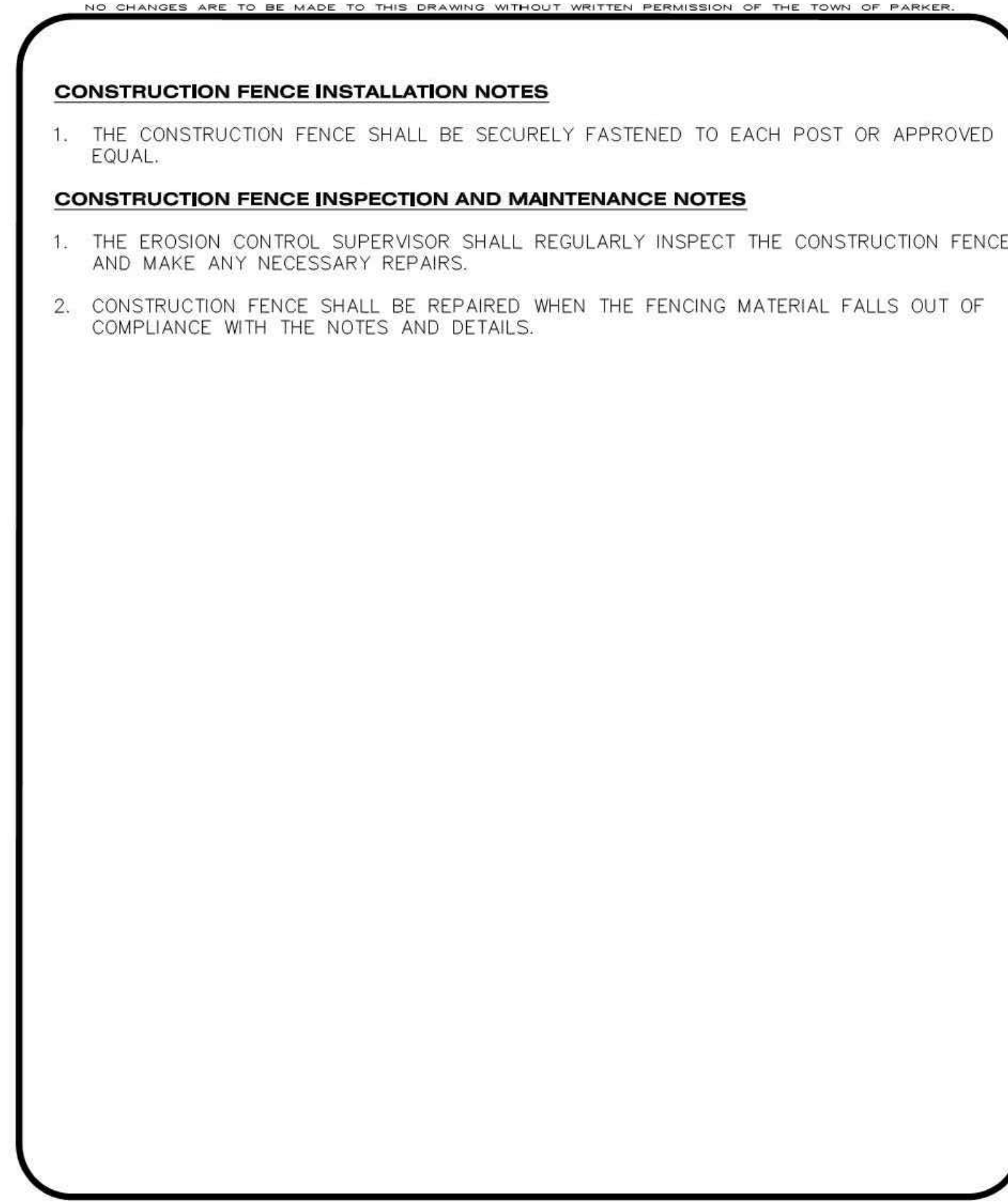
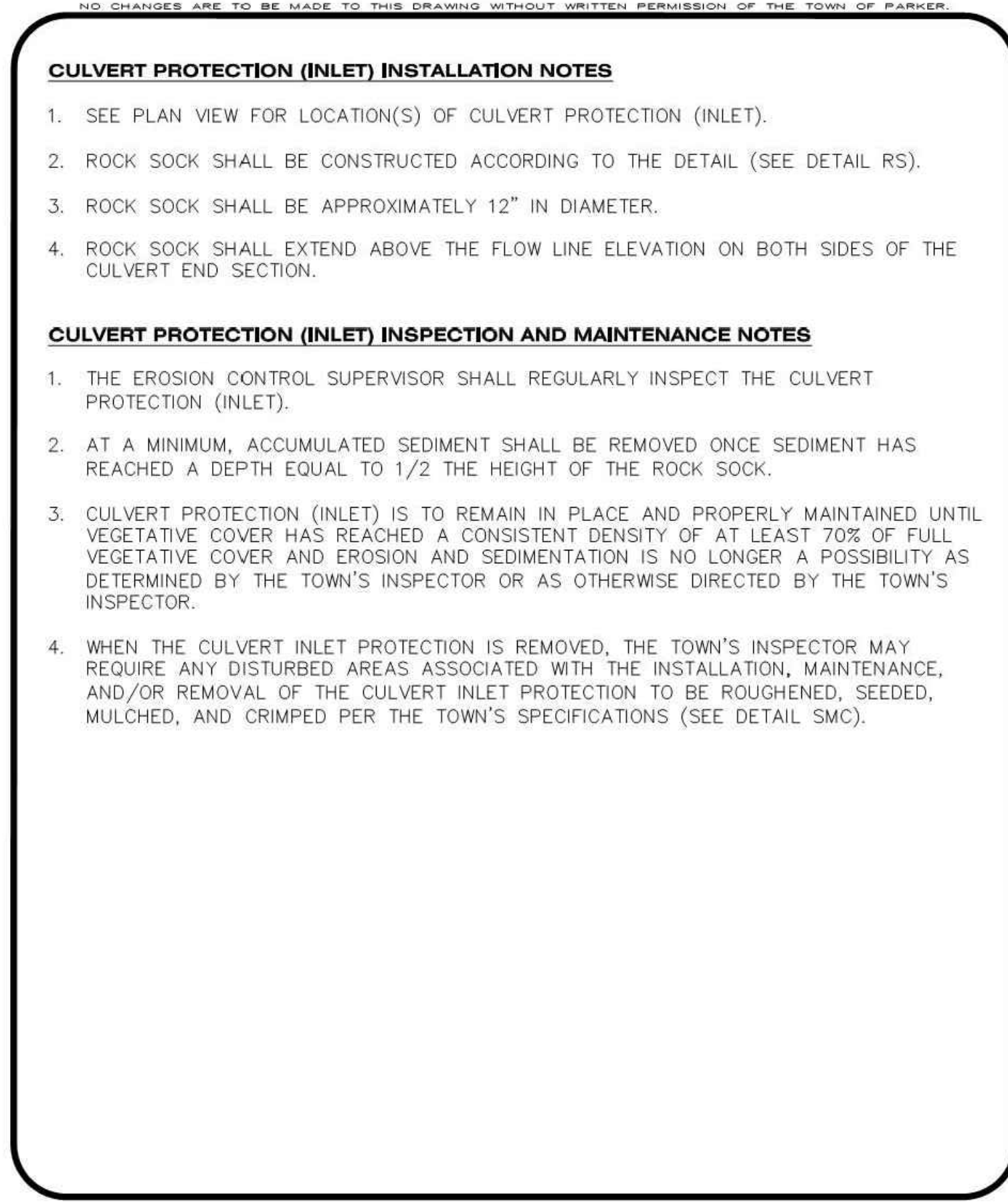
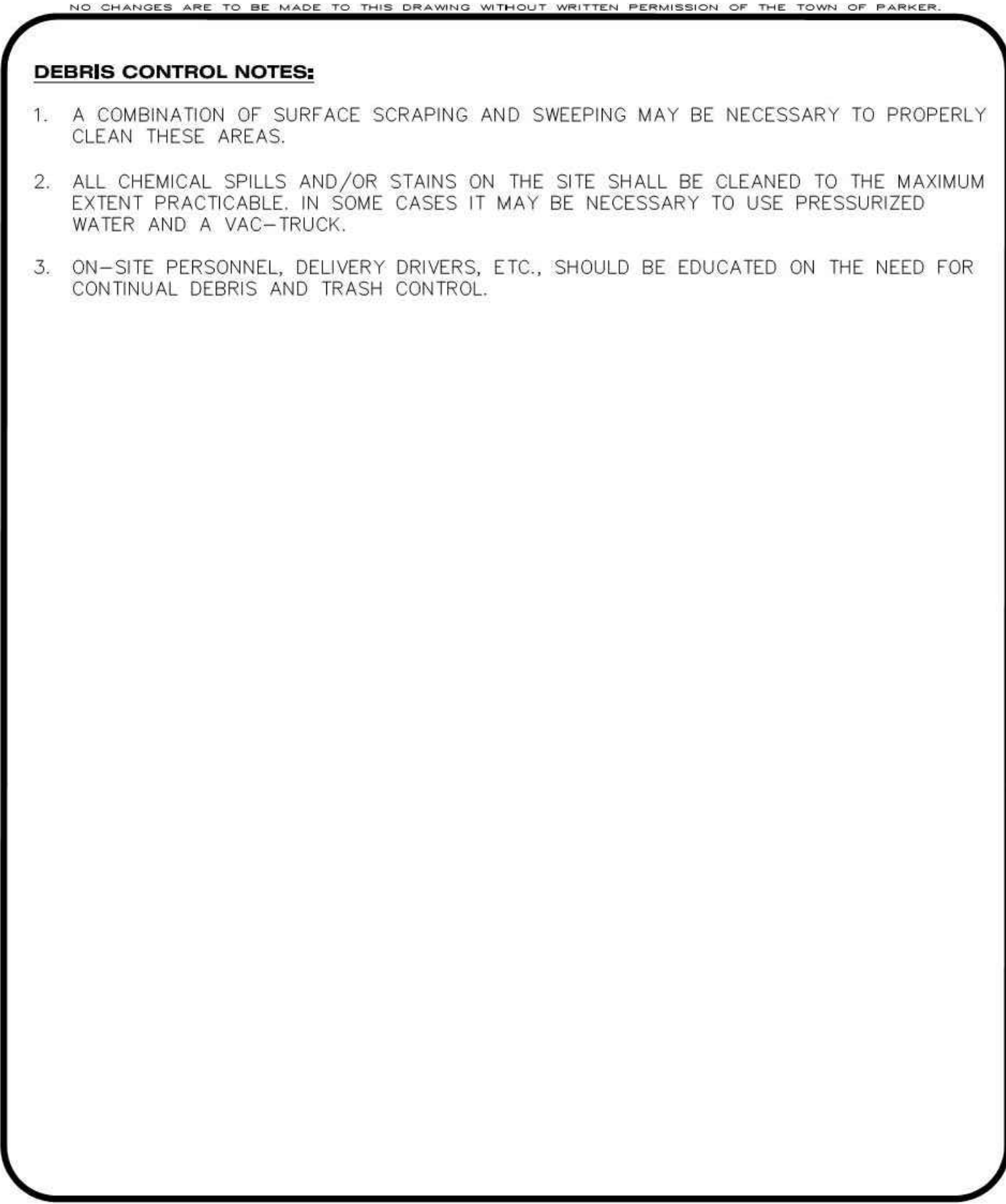
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 CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 2  
 Oct. 2013



**CBMP** | **CP**  
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 Oct. 2013



**CBMP** | **CF**  
 CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 2  
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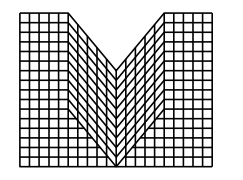


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 MIRO JOB NUMBER: 19131  
 CLIENT JOB NUMBER: 19131  
 DRAWING NUMBER: **C-353**



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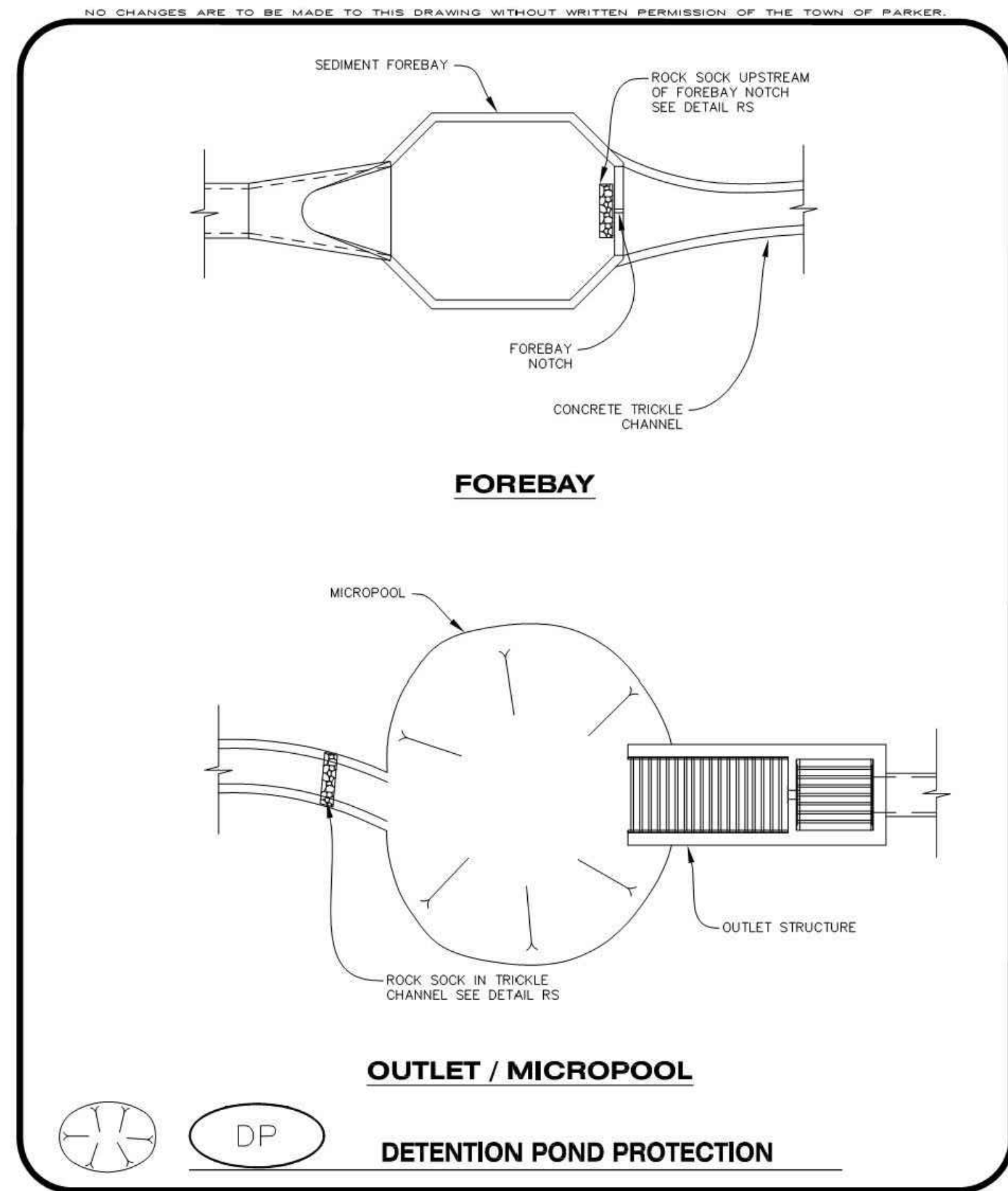
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CHECKED BY:	MHV
DATE:	12/4/2019
MIRO JOB NUMBER	19131
CLIENT JOB NUMBER	
DRAWING NUMBER:	<b>C-354</b>



**FOREBAY**

**OUTLET / MICROPOOL**

**DETENTION POND PROTECTION**

CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES DP 1 OF 2 Oct. 2013

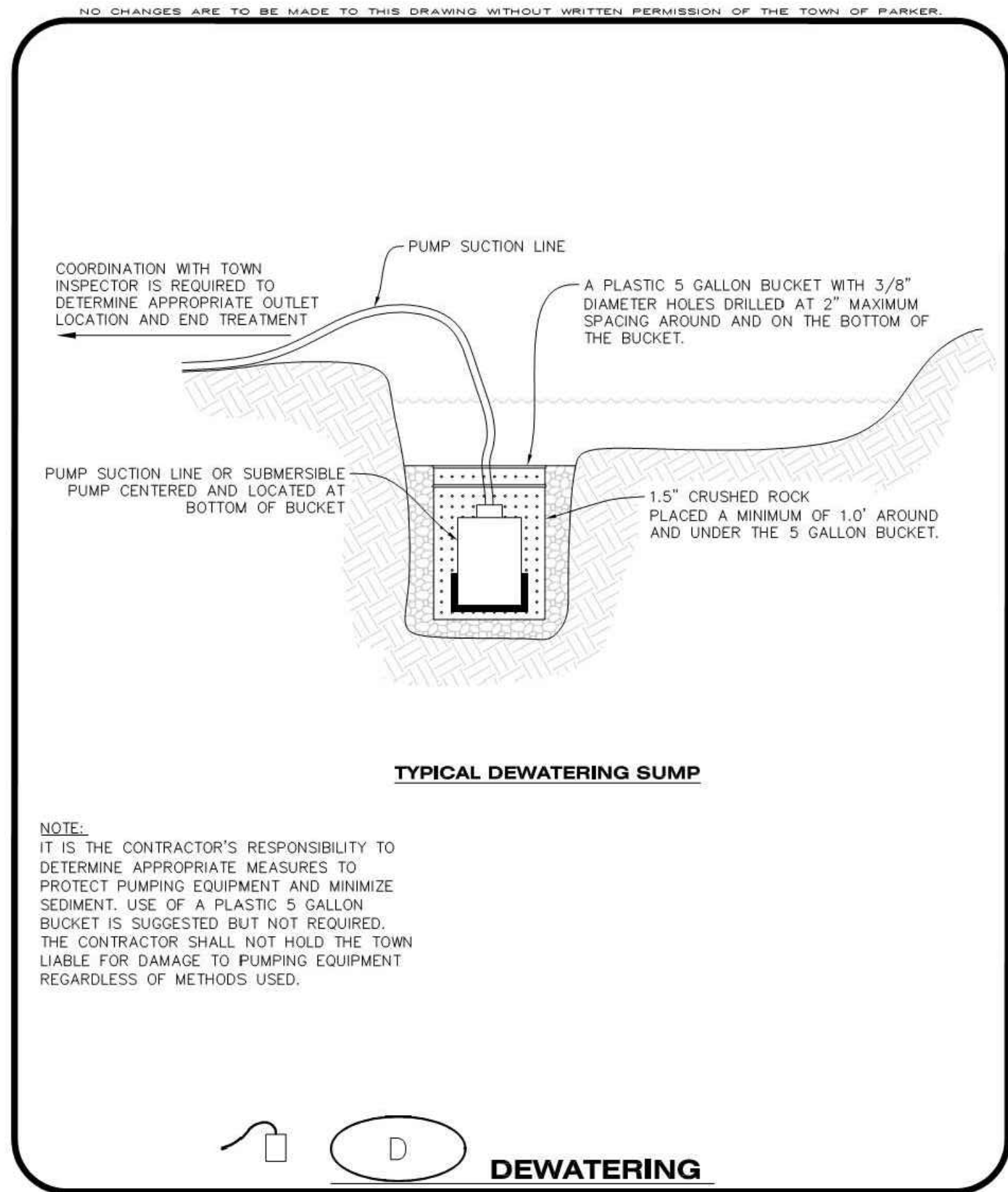
**DETENTION POND PROTECTION INSTALLATION NOTES**

- DETENTION POND PROTECTION SHALL BE INSTALLED IMMEDIATELY FOLLOWING THE CONSTRUCTION OF THE TRICKLE CHANNEL AND FOREBAY.
- CRUSHED ROCK SHALL BE 2.0"-3.0" IN SIZE WITH A FRACTURED FACE (ALL SIDES).
- ROCK SOCK FOR OUTLET STRUCTURE AND FOREBAY PROTECTION SHALL BE ONE CONTINUOUS PIECE (SEE DETAIL RS).

**DETENTION POND PROTECTION INSPECTION AND MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE OUTLET STRUCTURE PROTECTION.
- ACCUMULATED SEDIMENT SHALL BE REMOVED IMMEDIATELY.
- OUTLET STRUCTURE PROTECTION SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.

CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES DP 2 OF 2 Oct. 2013



**TYPICAL DEWATERING SUMP**

NOTE: IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE APPROPRIATE MEASURES TO PROTECT PUMPING EQUIPMENT AND MINIMIZE SEDIMENT. USE OF A PLASTIC 5 GALLON BUCKET IS SUGGESTED BUT NOT REQUIRED. THE CONTRACTOR SHALL NOT HOLD THE TOWN LIABLE FOR DAMAGE TO PUMPING EQUIPMENT REGARDLESS OF METHODS USED.

COORDINATION WITH TOWN INSPECTOR IS REQUIRED TO DETERMINE APPROPRIATE OUTLET LOCATION AND END TREATMENT

CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES D 1 OF 2 Oct. 2013

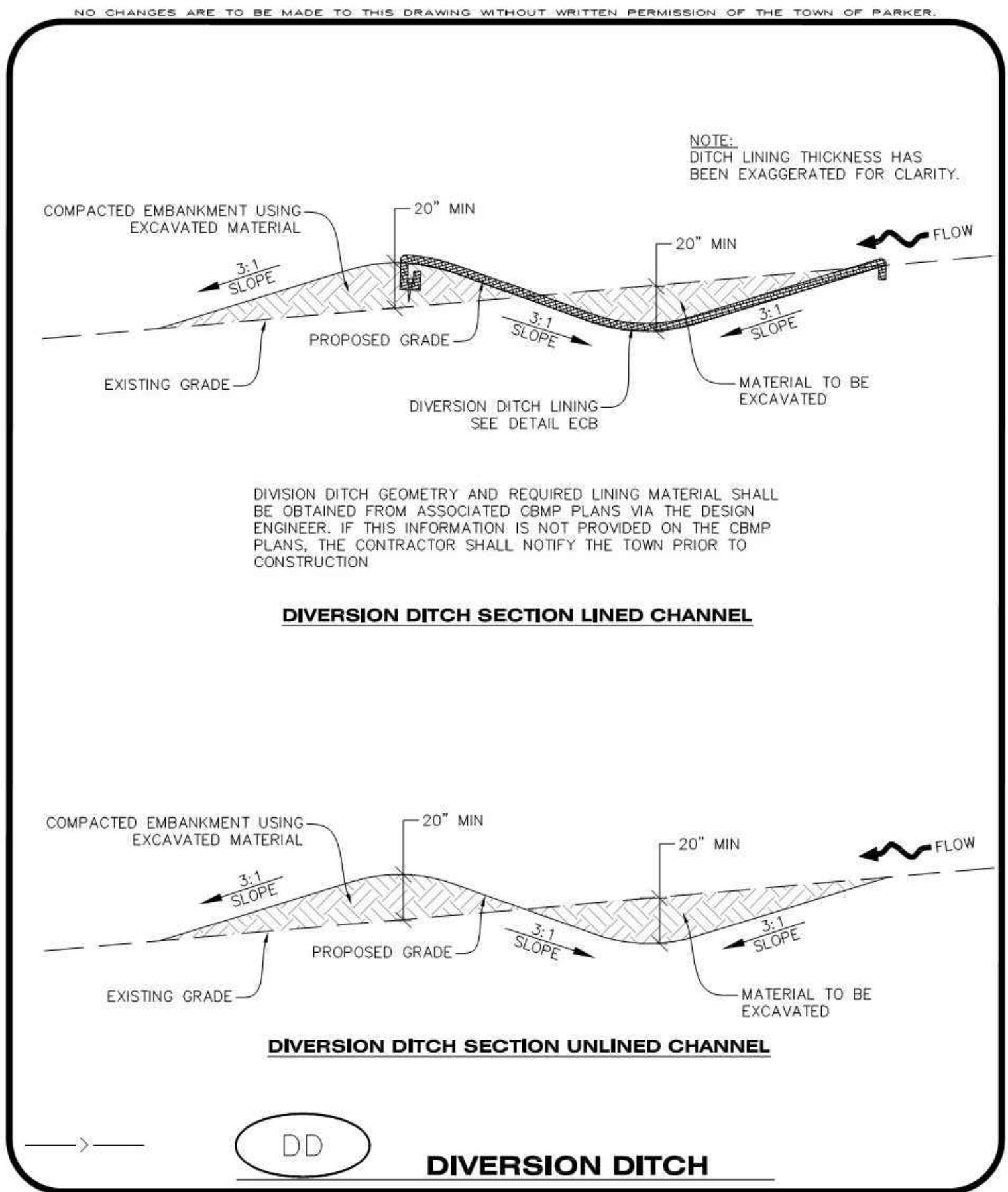
**DEWATERING INSTALLATION NOTES**

- IT IS THE EROSION CONTROL SUPERVISOR'S RESPONSIBILITY TO ENSURE THAT ALL DEWATERING IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE).

**DEWATERING MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL INSPECT THE DEWATERING OPERATION TO ENSURE THAT THE DISCHARGE WATER IS DRAINING TO THE PROPER LOCATION(S) AND PERFORM ANY NECESSARY REPAIRS OR MAINTENANCE ON A FREQUENT BASIS.

CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES D 2 OF 2 Oct. 2013



**DIVERSION DITCH SECTION LINED CHANNEL**

**DIVERSION DITCH SECTION UNLINED CHANNEL**

NOTE: DITCH LINING THICKNESS HAS BEEN EXAGGERATED FOR CLARITY.

DIVISION DITCH GEOMETRY AND REQUIRED LINING MATERIAL SHALL BE OBTAINED FROM ASSOCIATED CBMP PLANS VIA THE DESIGN ENGINEER. IF THIS INFORMATION IS NOT PROVIDED ON THE CBMP PLANS, THE CONTRACTOR SHALL NOTIFY THE TOWN PRIOR TO CONSTRUCTION.

CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES DD 1 OF 2 Oct. 2013

**DIVERSION DITCH INSTALLATION NOTES**

- SEE THE PLAN VIEW FOR THE LOCATION(S) OF THE DIVERSION DITCHES.
- A PLASTIC LINER, RIPRAP, OR EROSION CONTROL BLANKET MAY BE NECESSARY TO PROTECT THE DIVERSION DITCH. THE REQUIRED LINING MATERIAL SHALL BE OBTAINED FROM THE CBMP PLANS VIA THE DESIGN ENGINEER.
- ALL MATERIAL EXCAVATED FROM THE DITCH MAY BE USED TO CONSTRUCT THE BERM ON THE DOWNHILL SIDE OF THE DITCH.
- THE DIVERSION DITCH SHALL BE A MINIMUM OF 20" DEEP WITH APPROX. 3:1 SIDE SLOPES. THE ADJACENT BERM SHALL BE A MINIMUM OF 20" IN HEIGHT WITH APPROX. 3:1 SIDE SLOPES. ALL EMBANKMENTS SHALL BE FIRMLY COMPACTED.
- THE DISCHARGE FROM THE DIVERSION DITCH SHALL BE DIRECTED TOWARDS AN APPROPRIATELY SIZED TEMPORARY SEDIMENT BASIN OR OTHER APPROVED AREA.

**DIVERSION DITCH INSPECTION AND MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE DIVERSION DITCH.
- ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE THE SEDIMENT HAS REACHED A DEPTH EQUAL TO 1/2 (10") THE CREST HEIGHT.
- DIVERSION DITCHES SHALL BE RE-GRADED FOLLOWING THE SIGNS OF MODERATE OR MORE SOIL EROSION OR ANY DAMAGE.
- DIVERSION DITCHES ARE TO REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR. ALTERNATIVELY, THE DIVERSION DITCHES MAY BE REMOVED WHEN THE SITE'S TOPOGRAPHY CHANGES SUCH THAT SIGNIFICANT RUNOFF IS NO LONGER POSSIBLE. IN SOME INSTANCES, THE DIVERSION DITCHES MAY REMAIN IN PLACE PERMANENTLY.

CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES DD 2 OF 2 Oct. 2013

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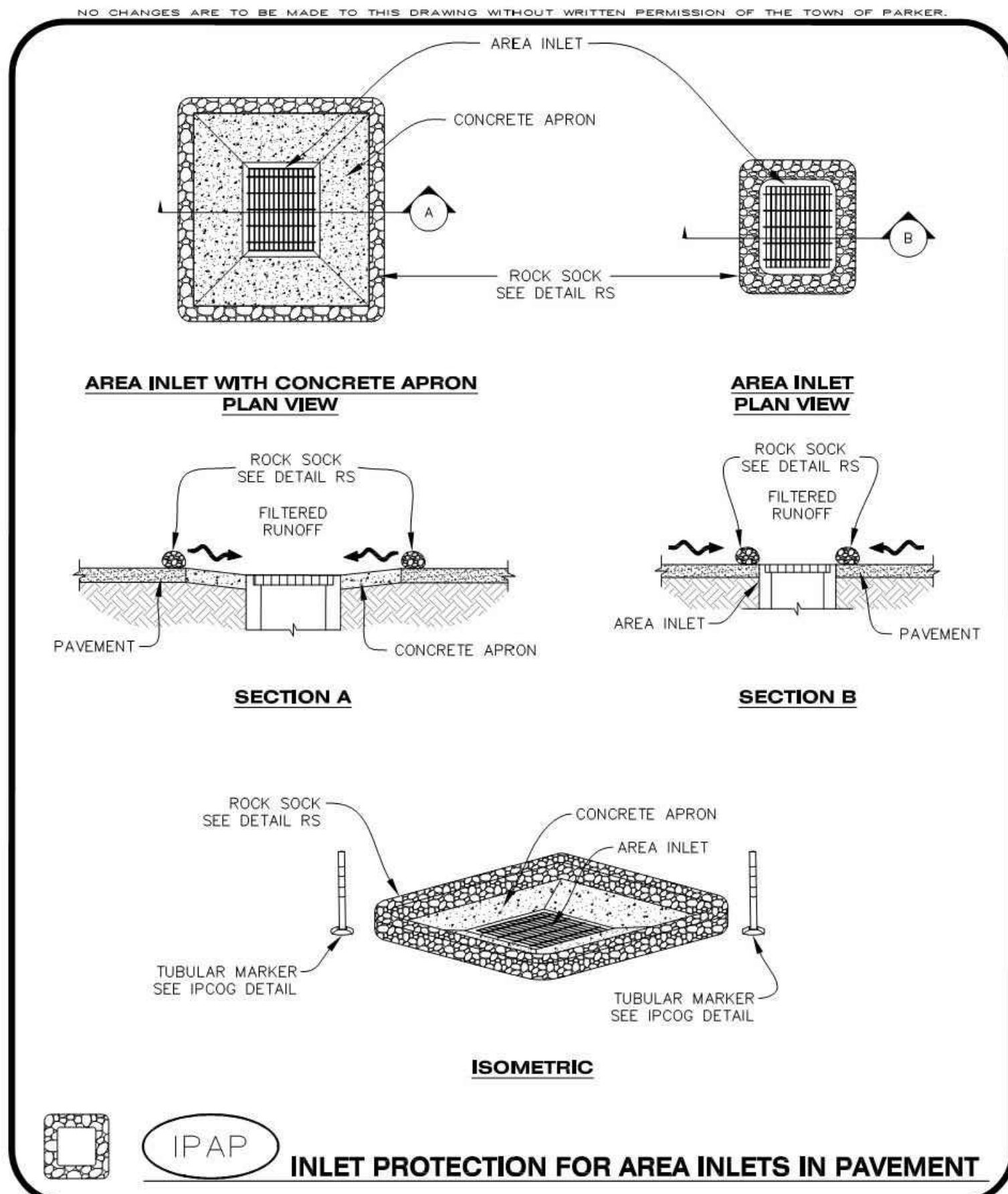
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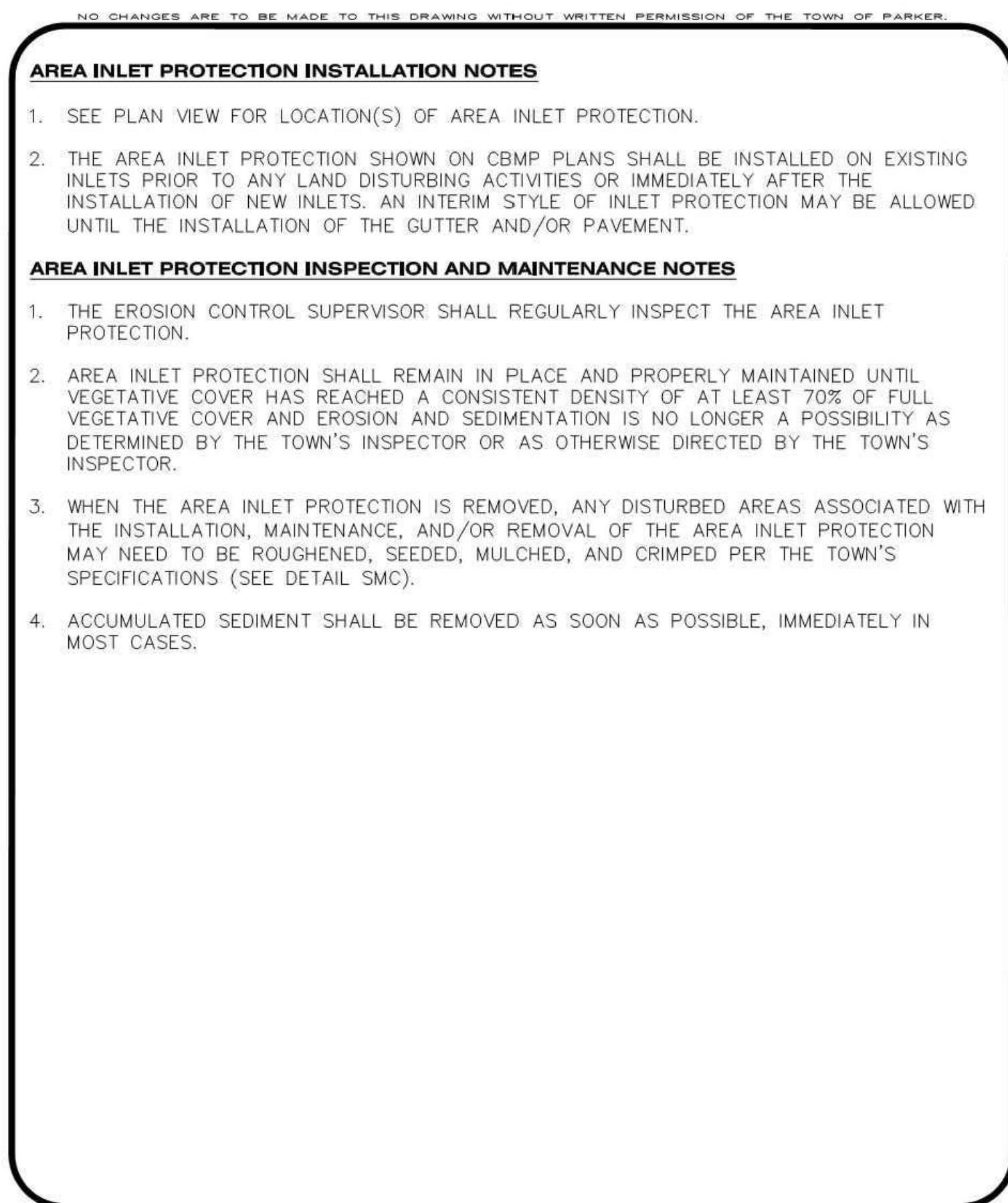
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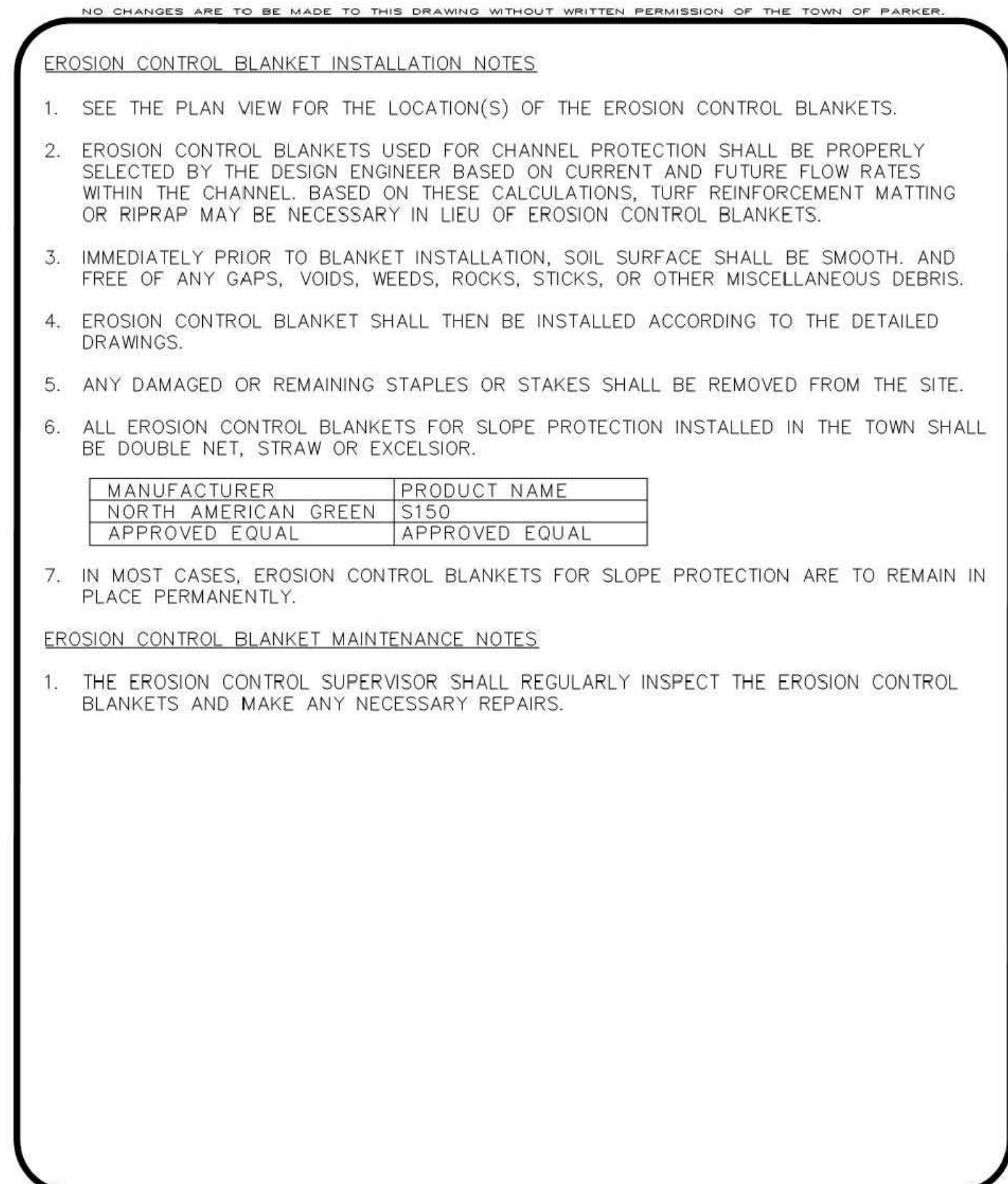
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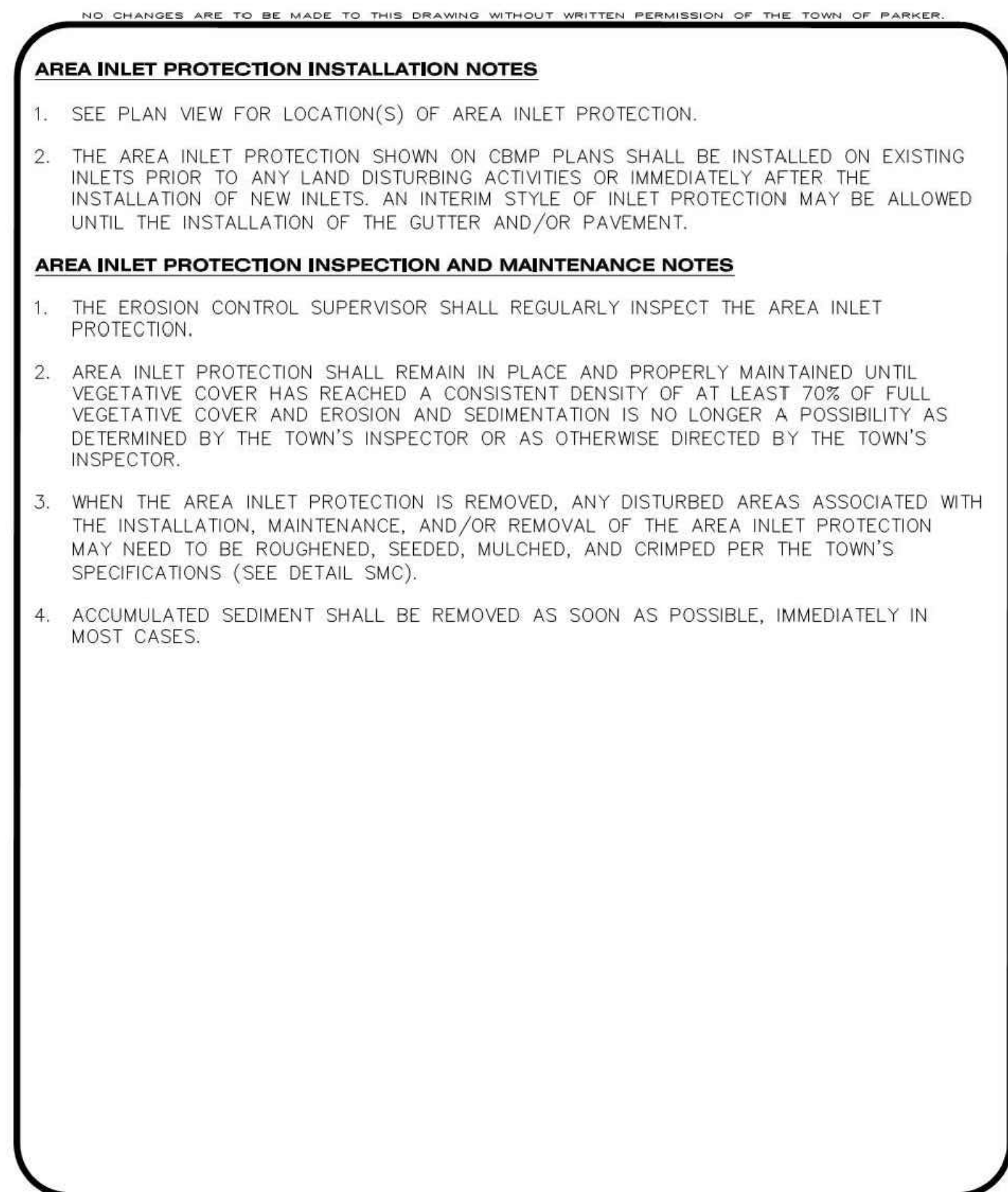
**Town of Parker COLORADO** | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | **IPAP** 1 OF 1 Oct. 2013



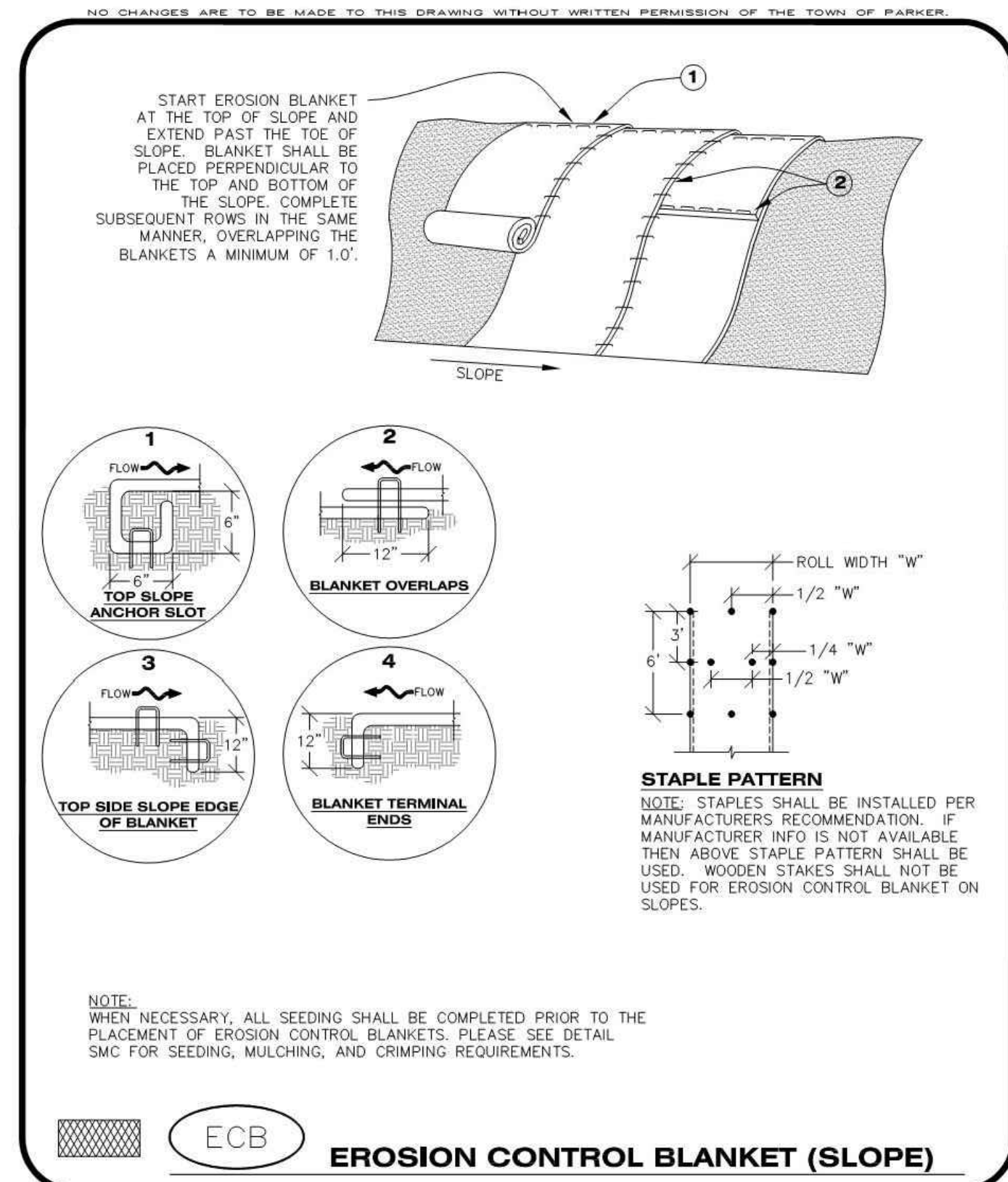
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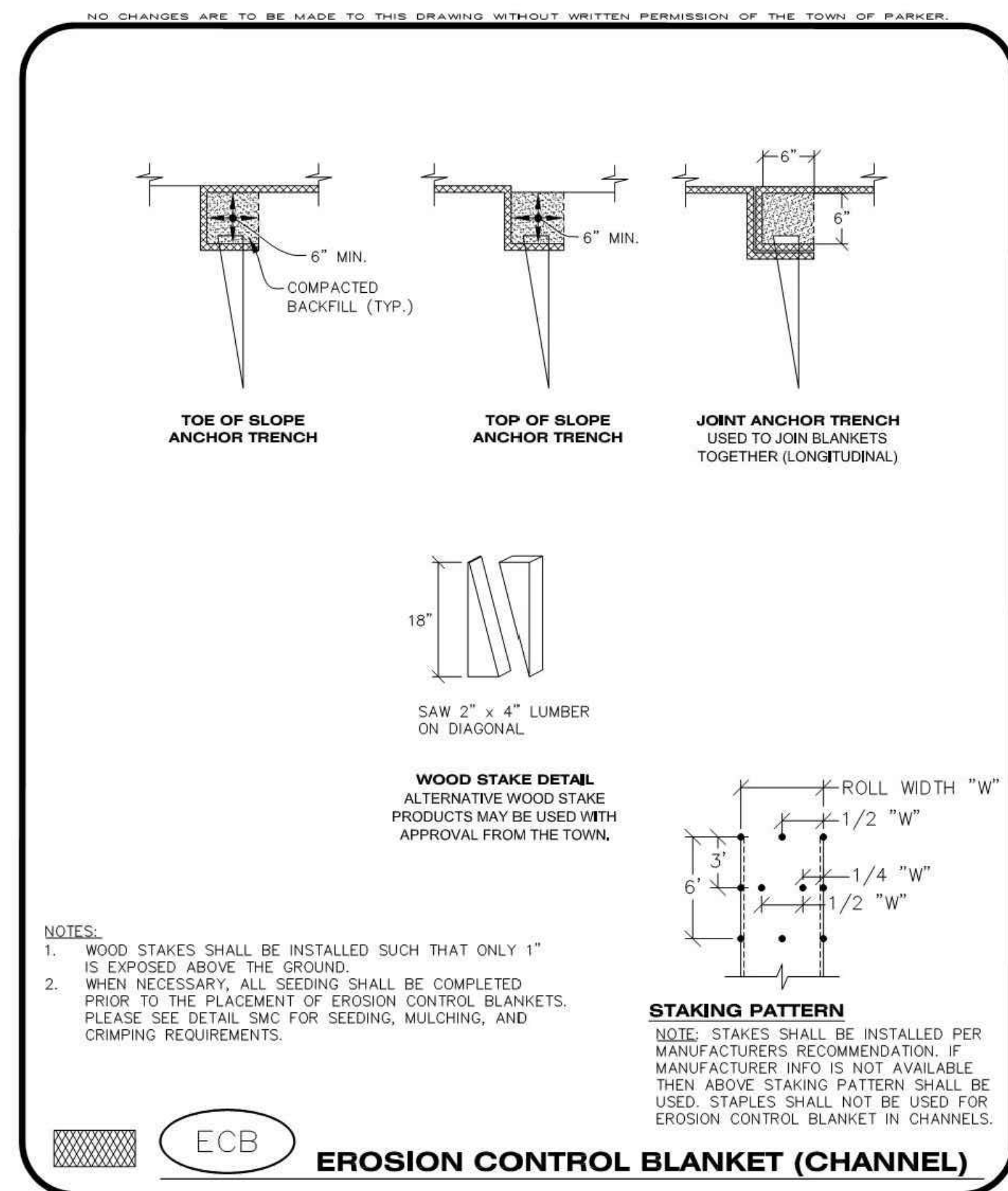
**Town of Parker COLORADO** | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | **ECB** 3 OF 3 Oct. 2013



**Town of Parker COLORADO** | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | **IPA** 1 OF 1 Oct. 2013



**Town of Parker COLORADO** | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | **ECB** 1 OF 3 Oct. 2013



**Town of Parker COLORADO** | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | **ECB** 2 OF 3 Oct. 2013

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**PARKER ADVENTIST HOSPITAL**

**PARKER SALT SHED**

**9395 CROWN CREST BLVD.**

**EROSION CONTROL DETAILS**

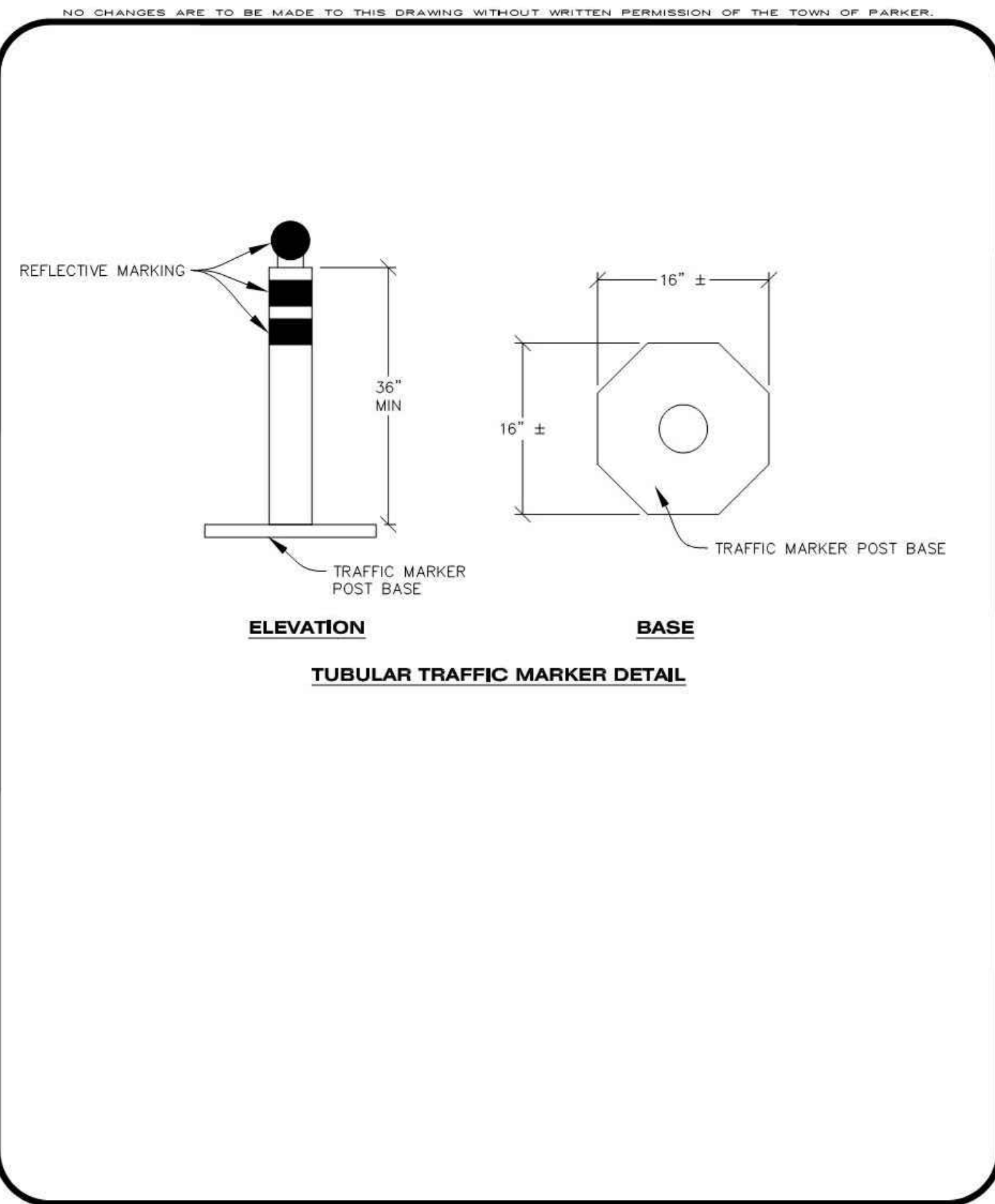
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PROJECT NAME: PARKER SALT SHED  
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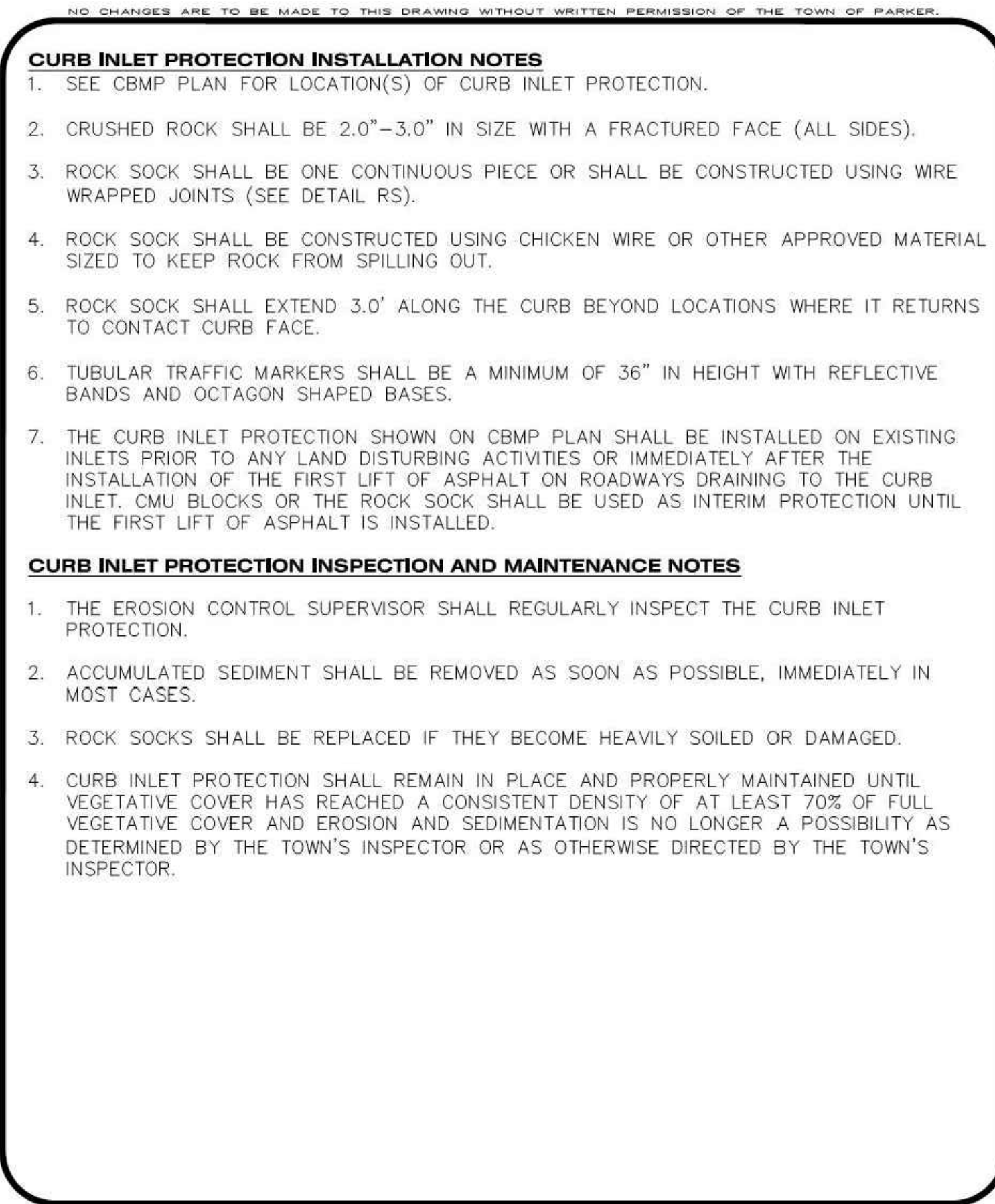
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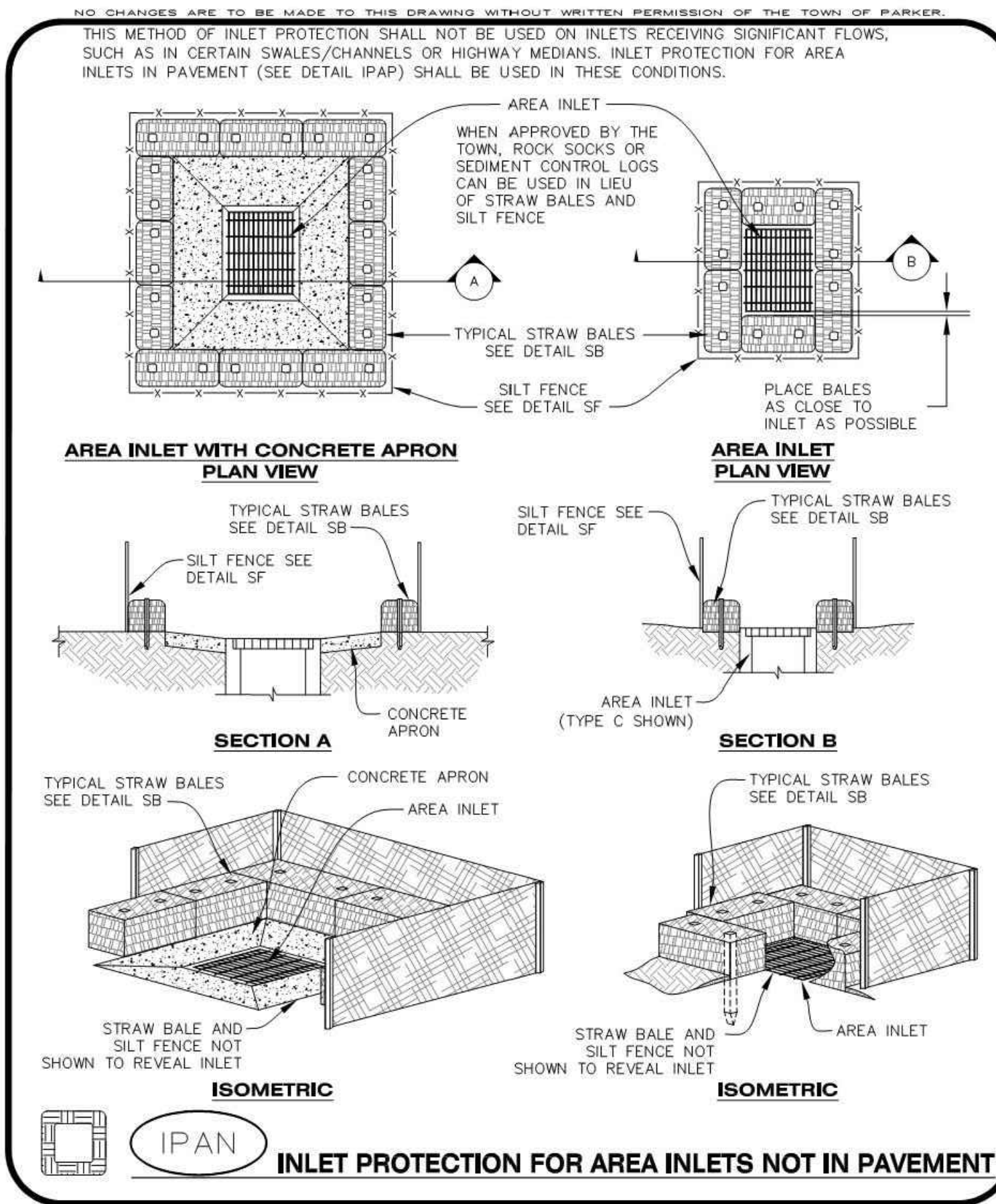
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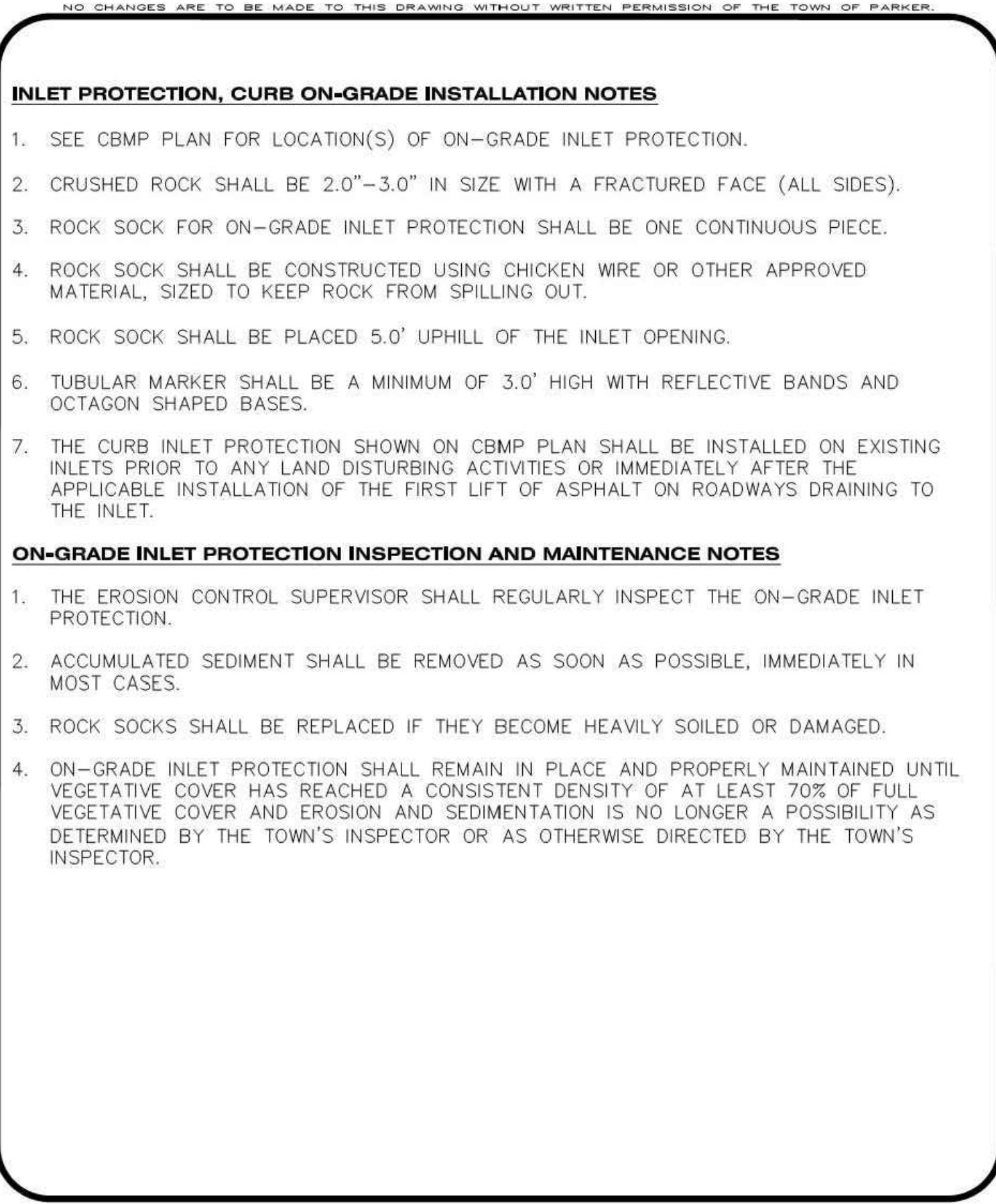
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CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 3  
Oct. 2013



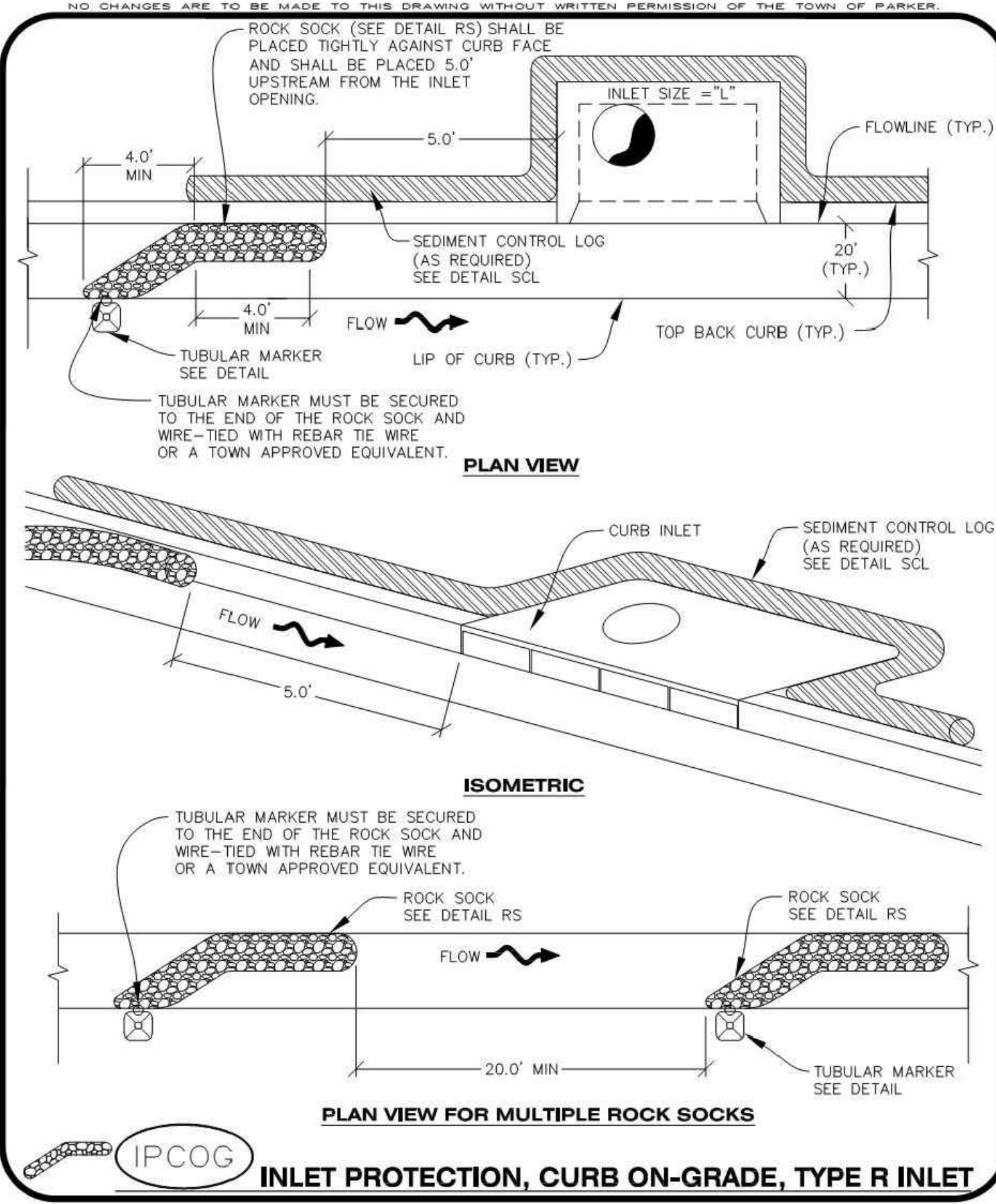
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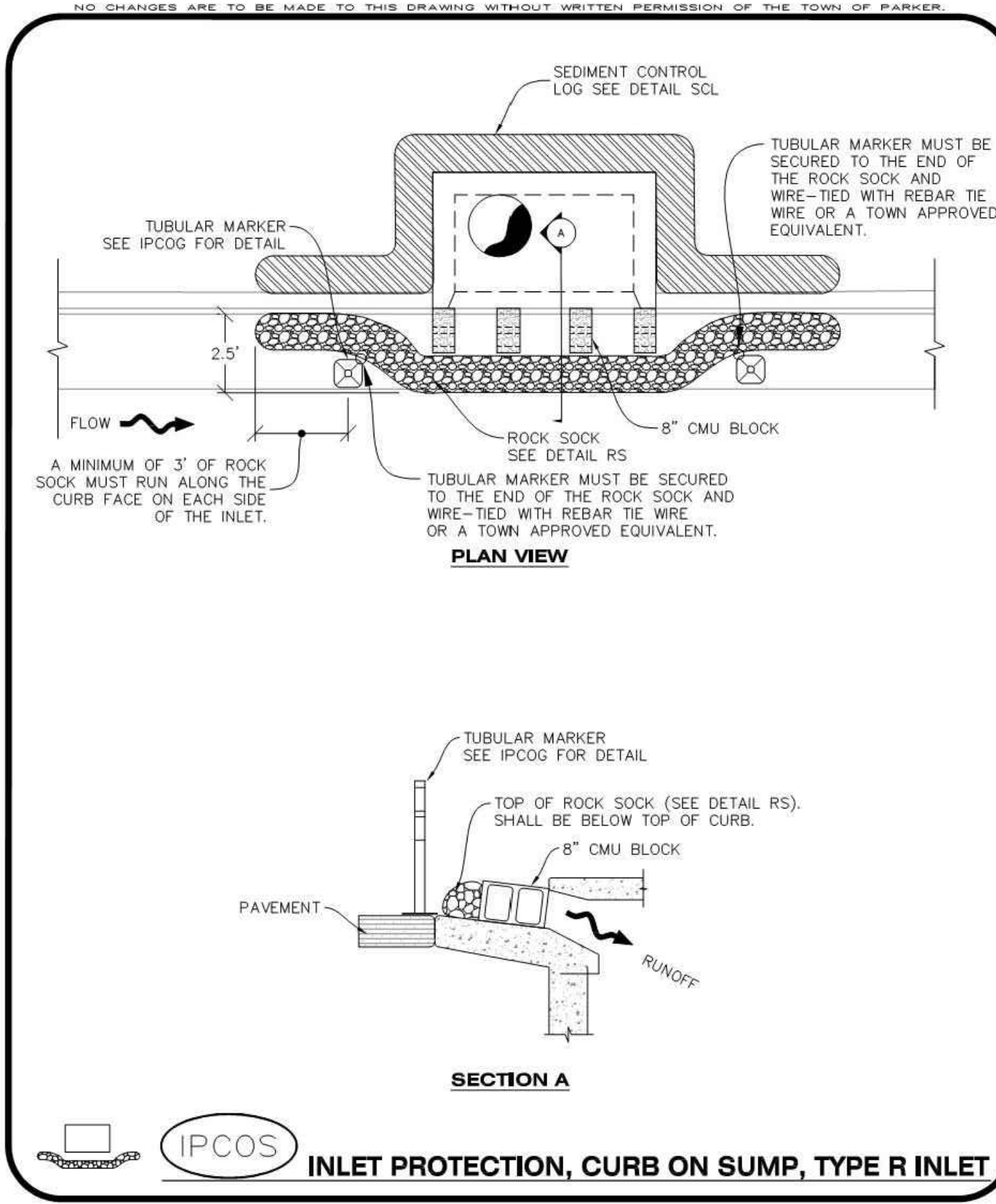
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CLIENT NAME: **PARKER ADVENTIST HOSPITAL**  
PROJECT NAME: **PARKER SALT SHED**  
PROJECT ADDRESS: **9395 CROWN CREST BLVD.**  
DRAWING TITLE: **EROSION CONTROL DETAILS**  
FILE PATH: J:\Jobs\19131 PKR Salt Shed\05 CAD\Plans and Details\C351-EROS-DTL.S.dwg C-356 - 4/10/2020

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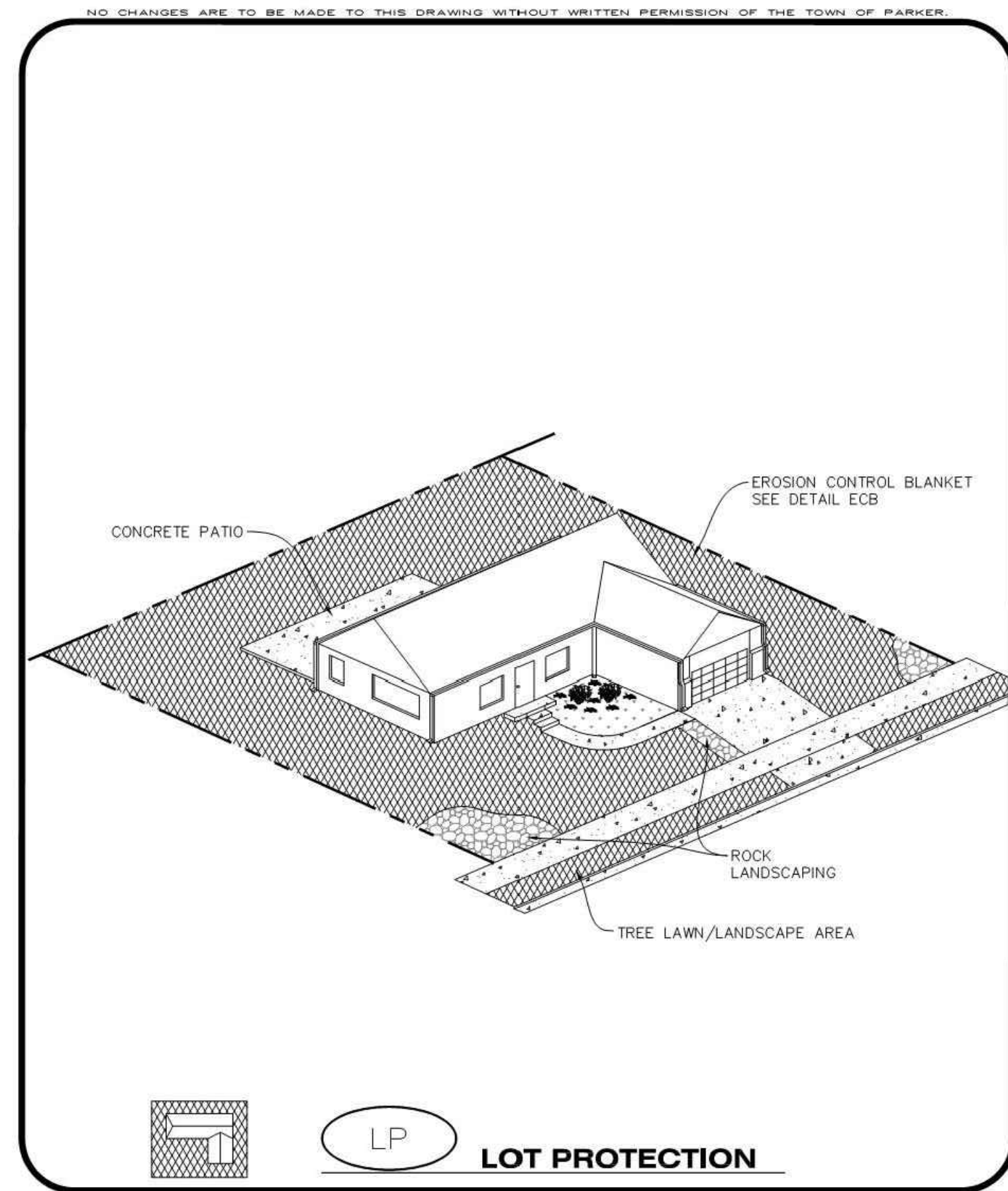
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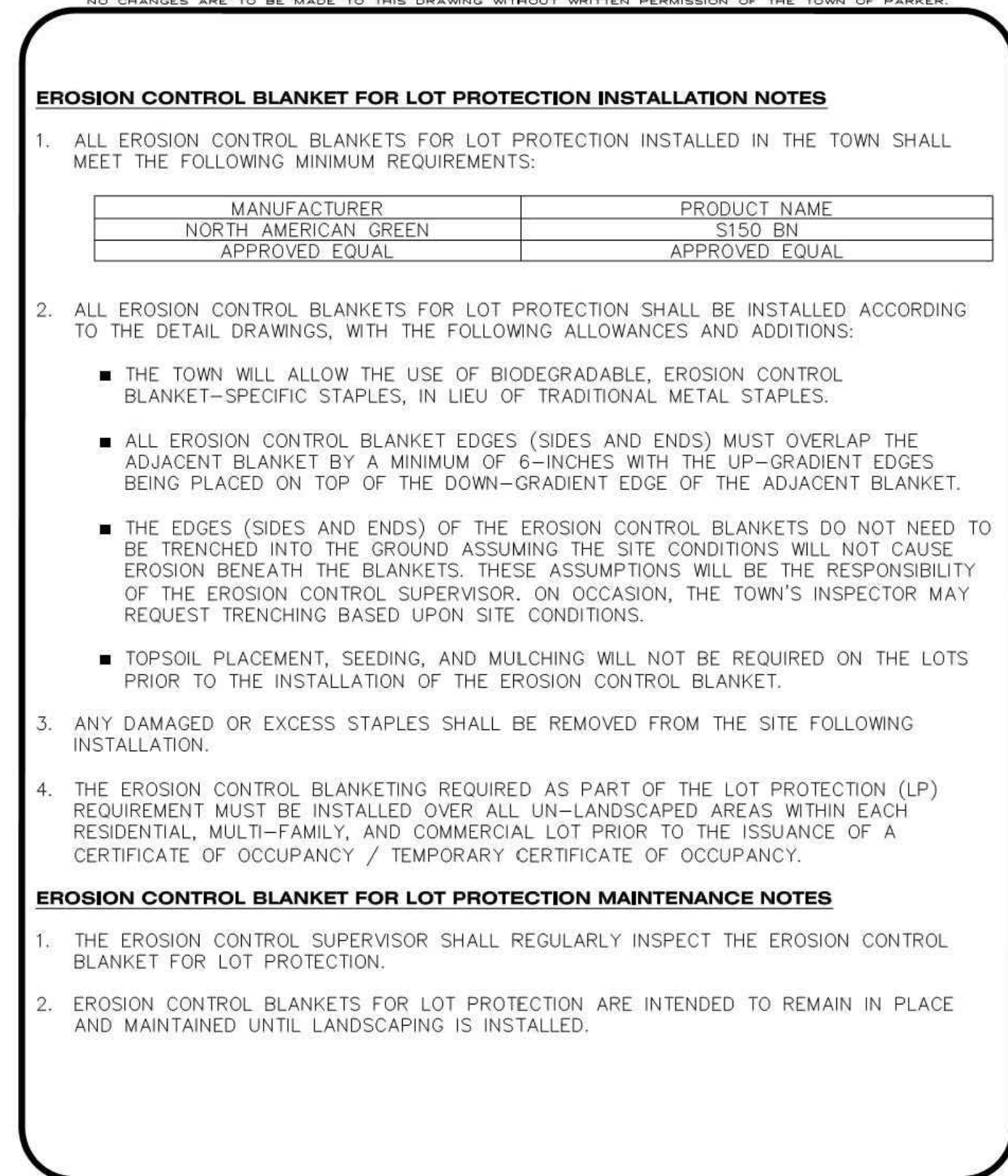
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**LP LOT PROTECTION**

**CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES**

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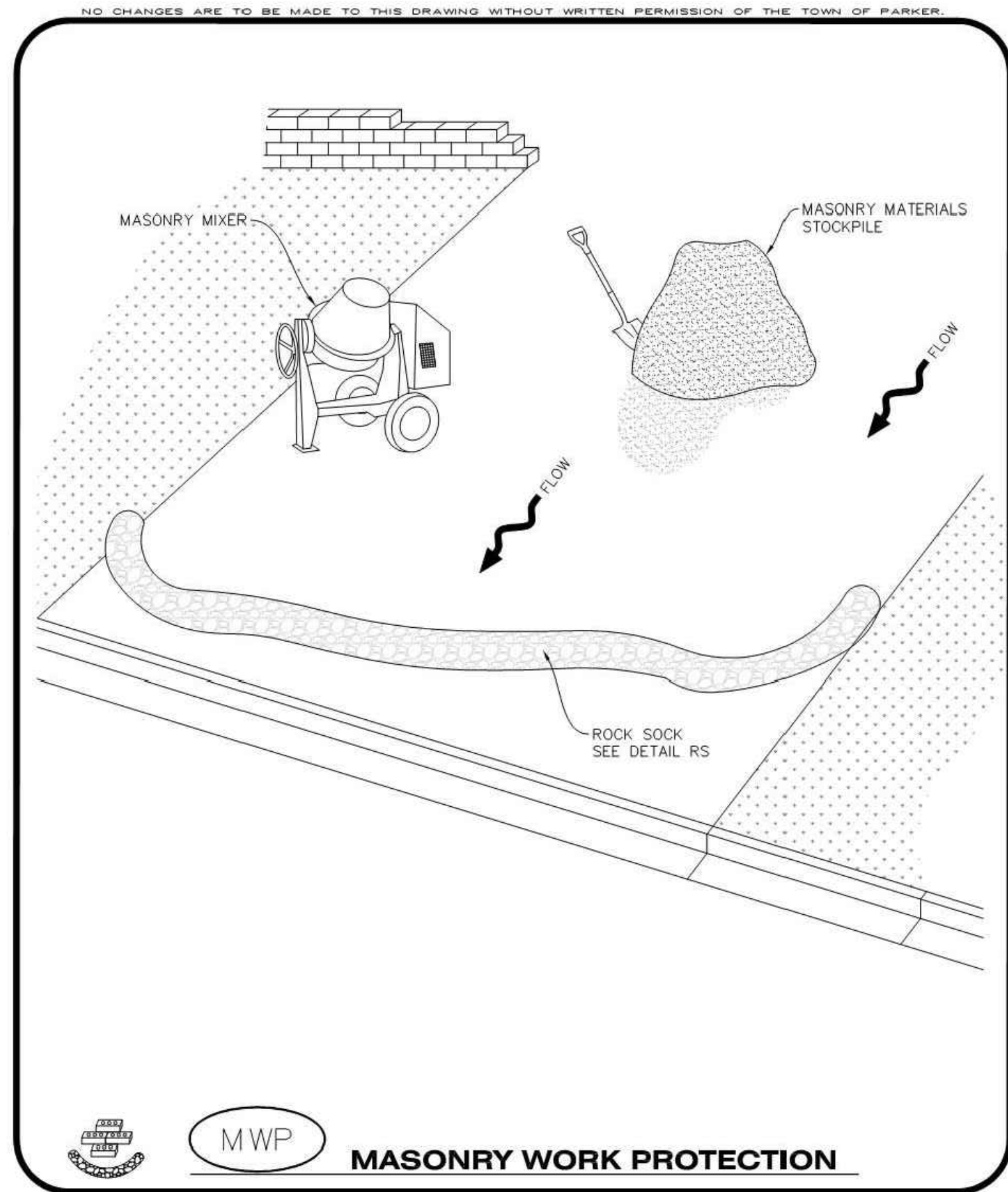
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Oct. 2013

**LP LOT PROTECTION**

**CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES**

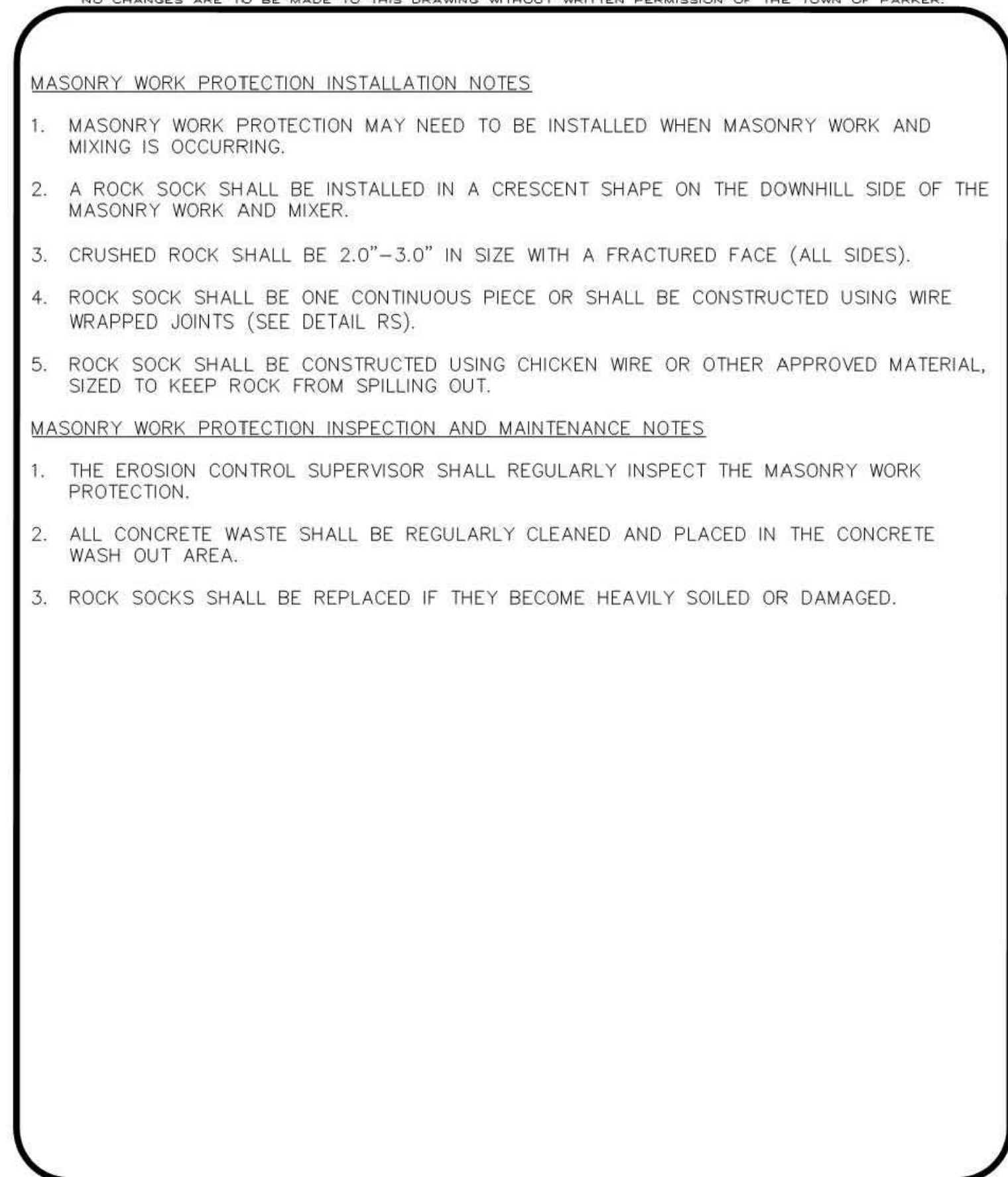
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**MWP MASONRY WORK PROTECTION**

**CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES**

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Oct. 2013



**LP LOT PROTECTION**

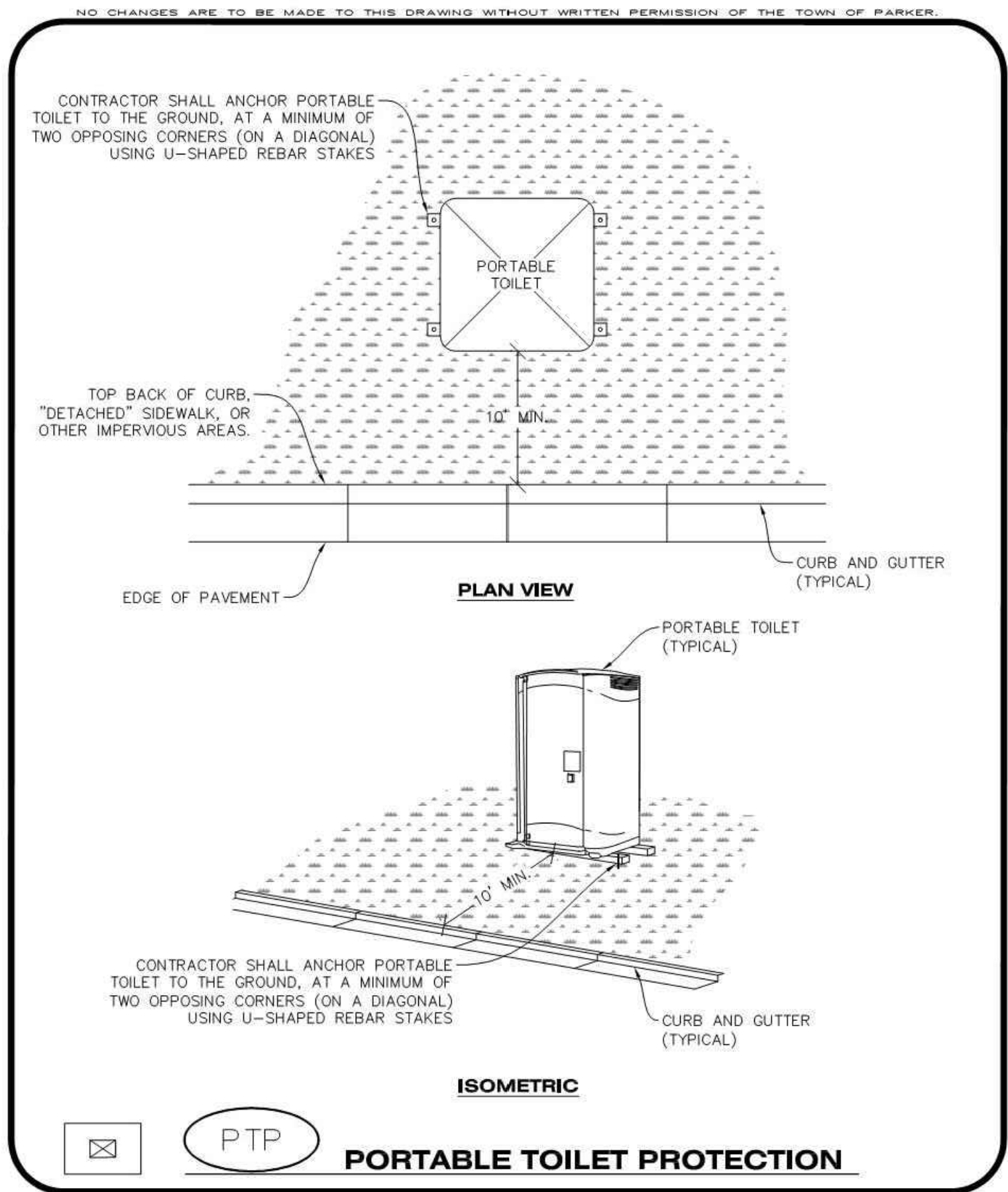
**CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES**

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Oct. 2013

**LP LOT PROTECTION**

**CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES**

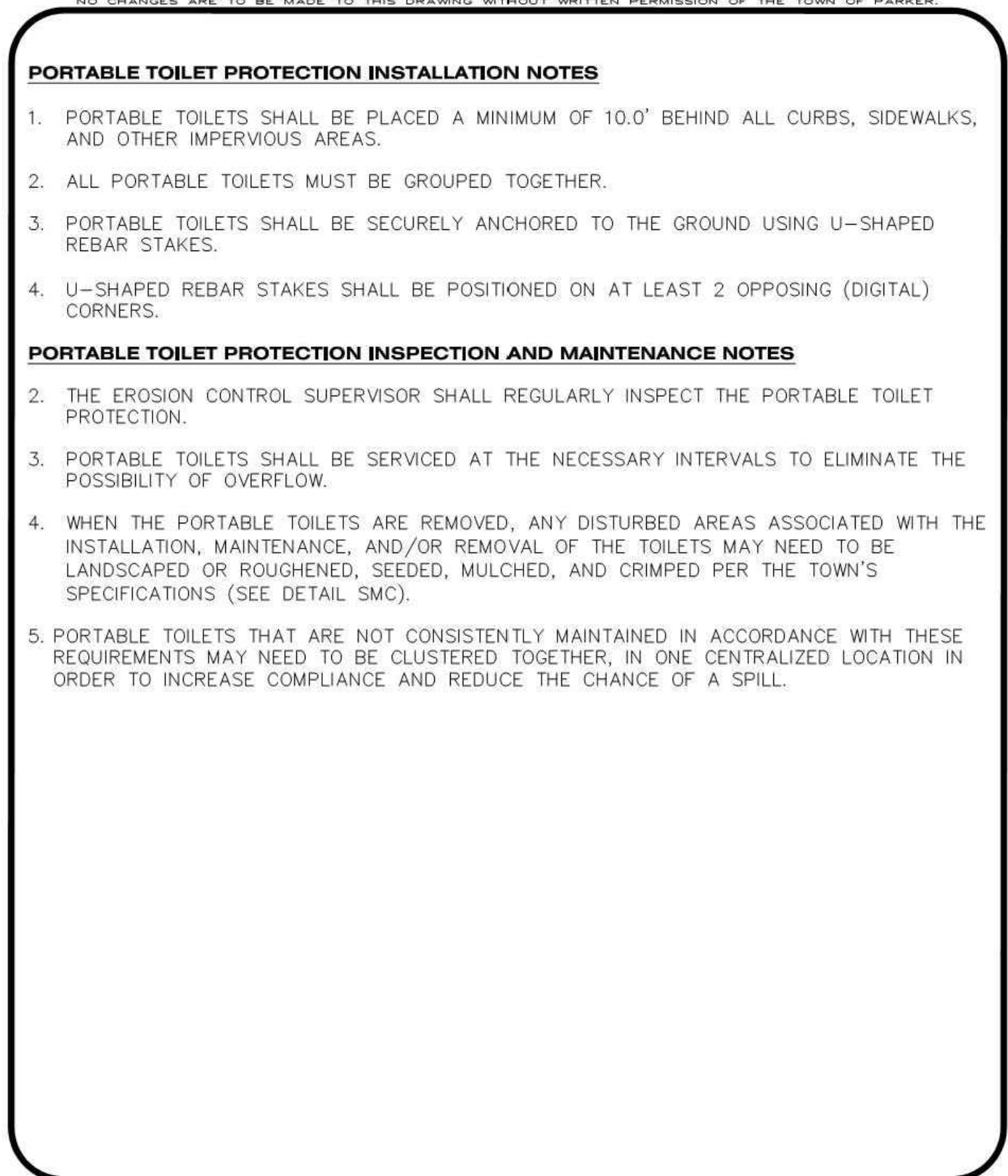
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Oct. 2013



**PTP PORTABLE TOILET PROTECTION**

**CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES**

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Oct. 2013



**PTP PORTABLE TOILET PROTECTION**

**CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES**

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**PTP PORTABLE TOILET PROTECTION**

**CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES**

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- PORTABLE TOILET PROTECTION INSTALLATION NOTES**
- PORTABLE TOILETS SHALL BE PLACED A MINIMUM OF 10.0' BEHIND ALL CURBS, SIDEWALKS, AND OTHER IMPERVIOUS AREAS.
  - ALL PORTABLE TOILETS MUST BE GROUPED TOGETHER.
  - PORTABLE TOILETS SHALL BE SECURELY ANCHORED TO THE GROUND USING U-SHAPED REBAR STAKES.
  - U-SHAPED REBAR STAKES SHALL BE POSITIONED ON AT LEAST 2 OPPOSING (DIGITAL) CORNERS.
- PORTABLE TOILET PROTECTION INSPECTION AND MAINTENANCE NOTES**
- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE PORTABLE TOILET PROTECTION.
  - PORTABLE TOILETS SHALL BE SERVICED AT THE NECESSARY INTERVALS TO ELIMINATE THE POSSIBILITY OF OVERFLOW.
  - WHEN THE PORTABLE TOILETS ARE REMOVED, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE TOILETS MAY NEED TO BE LANDSCAPED OR ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).
  - PORTABLE TOILETS THAT ARE NOT CONSISTENTLY MAINTAINED IN ACCORDANCE WITH THESE REQUIREMENTS MAY NEED TO BE CLUSTERED TOGETHER, IN ONE CENTRALIZED LOCATION IN ORDER TO INCREASE COMPLIANCE AND REDUCE THE CHANCE OF A SPILL.

- MASONRY WORK PROTECTION INSTALLATION NOTES**
- MASONRY WORK PROTECTION MAY NEED TO BE INSTALLED WHEN MASONRY WORK AND MIXING IS OCCURRING.
  - A ROCK SOCK SHALL BE INSTALLED IN A CRESCENT SHAPE ON THE DOWNHILL SIDE OF THE MASONRY WORK AND MIXER.
  - CRUSHED ROCK SHALL BE 2.0"-3.0" IN SIZE WITH A FRACTURED FACE (ALL SIDES).
  - ROCK SOCK SHALL BE ONE CONTINUOUS PIECE OR SHALL BE CONSTRUCTED USING WIRE WRAPPED JOINTS (SEE DETAIL RS).
  - ROCK SOCK SHALL BE CONSTRUCTED USING CHICKEN WIRE OR OTHER APPROVED MATERIAL, SIZED TO KEEP ROCK FROM SPILLING OUT.
- MASONRY WORK PROTECTION INSPECTION AND MAINTENANCE NOTES**
- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE MASONRY WORK PROTECTION.
  - ALL CONCRETE WASTE SHALL BE REGULARLY CLEANED AND PLACED IN THE CONCRETE WASH OUT AREA.
  - ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED.

- EROSION CONTROL BLANKET FOR LOT PROTECTION INSTALLATION NOTES**
- ALL EROSION CONTROL BLANKETS FOR LOT PROTECTION INSTALLED IN THE TOWN SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:
 

MANUFACTURER	PRODUCT NAME
NORTH AMERICAN GREEN	S150 BN
APPROVED EQUAL	APPROVED EQUAL
  - ALL EROSION CONTROL BLANKETS FOR LOT PROTECTION SHALL BE INSTALLED ACCORDING TO THE DETAIL DRAWINGS, WITH THE FOLLOWING ALLOWANCES AND ADDITIONS:
    - THE TOWN WILL ALLOW THE USE OF BIODEGRADABLE, EROSION CONTROL BLANKET-SPECIFIC STAPLES, IN LIEU OF TRADITIONAL METAL STAPLES.
    - ALL EROSION CONTROL BLANKET EDGES (SIDES AND ENDS) MUST OVERLAP THE ADJACENT BLANKET BY A MINIMUM OF 6-INCHES WITH THE UP-GRADIENT EDGES BEING PLACED ON TOP OF THE DOWN-GRADIENT EDGE OF THE ADJACENT BLANKET.
    - THE EDGES (SIDES AND ENDS) OF THE EROSION CONTROL BLANKETS DO NOT NEED TO BE TRENCHED INTO THE GROUND ASSUMING THE SITE CONDITIONS WILL NOT CAUSE EROSION BENEATH THE BLANKETS. THESE ASSUMPTIONS WILL BE THE RESPONSIBILITY OF THE EROSION CONTROL SUPERVISOR. ON OCCASION, THE TOWN'S INSPECTOR MAY REQUEST TRENCHING BASED UPON SITE CONDITIONS.
    - TOPSOIL PLACEMENT, SEEDING, AND MULCHING WILL NOT BE REQUIRED ON THE LOTS PRIOR TO THE INSTALLATION OF THE EROSION CONTROL BLANKET.
  - ANY DAMAGED OR EXCESS STAPLES SHALL BE REMOVED FROM THE SITE FOLLOWING INSTALLATION.
  - THE EROSION CONTROL BLANKETING REQUIRED AS PART OF THE LOT PROTECTION (LP) REQUIREMENT MUST BE INSTALLED OVER ALL UN-LANDSCAPED AREAS WITHIN EACH RESIDENTIAL, MULTI-FAMILY, AND COMMERCIAL LOT PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY / TEMPORARY CERTIFICATE OF OCCUPANCY.

- EROSION CONTROL BLANKET FOR LOT PROTECTION MAINTENANCE NOTES**
- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE EROSION CONTROL BLANKET FOR LOT PROTECTION.
  - EROSION CONTROL BLANKETS FOR LOT PROTECTION ARE INTENDED TO REMAIN IN PLACE AND MAINTAINED UNTIL LANDSCAPING IS INSTALLED.

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER

**PTP PORTABLE TOILET PROTECTION**

**CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES**

1 OF 2  
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER

**MWP MASONRY WORK PROTECTION**

**CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES**

1 OF 2  
Oct. 2013

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**LP LOT PROTECTION**

**CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES**

1 OF 2  
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER

**PTP PORTABLE TOILET PROTECTION**

**CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES**

2 OF 2  
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER

**MWP MASONRY WORK PROTECTION**

**CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES**

2 OF 2  
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER

**LP LOT PROTECTION**

**CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES**

2 OF 2  
Oct. 2013



**S.A. MIRO INC.**  
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CLIENT NAME: **PARKER ADVENTIST HOSPITAL**  
PROJECT NAME: **PARKER SALT SHED**  
PROJECT ADDRESS: **9395 CROWN CREST BLVD.**  
DRAWING TITLE: **EROSION CONTROL DETAILS**  
FILE PATH: J:\Jobs\19131 PKR Salt Shed\05 CAD\Plans and Details\C351-EROS-DTL.S.dwg C-358 - 4/10/2020

**NOT FOR CONSTRUCTION**

DESIGNED BY: MHV  
DRAWN BY: SSM  
CHECKED BY: MHV  
DATE: 12/4/2019  
MIRO JOB NUMBER: 19131  
CLIENT JOB NUMBER: 19131

DRAWING NUMBER:  
**C-358**

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

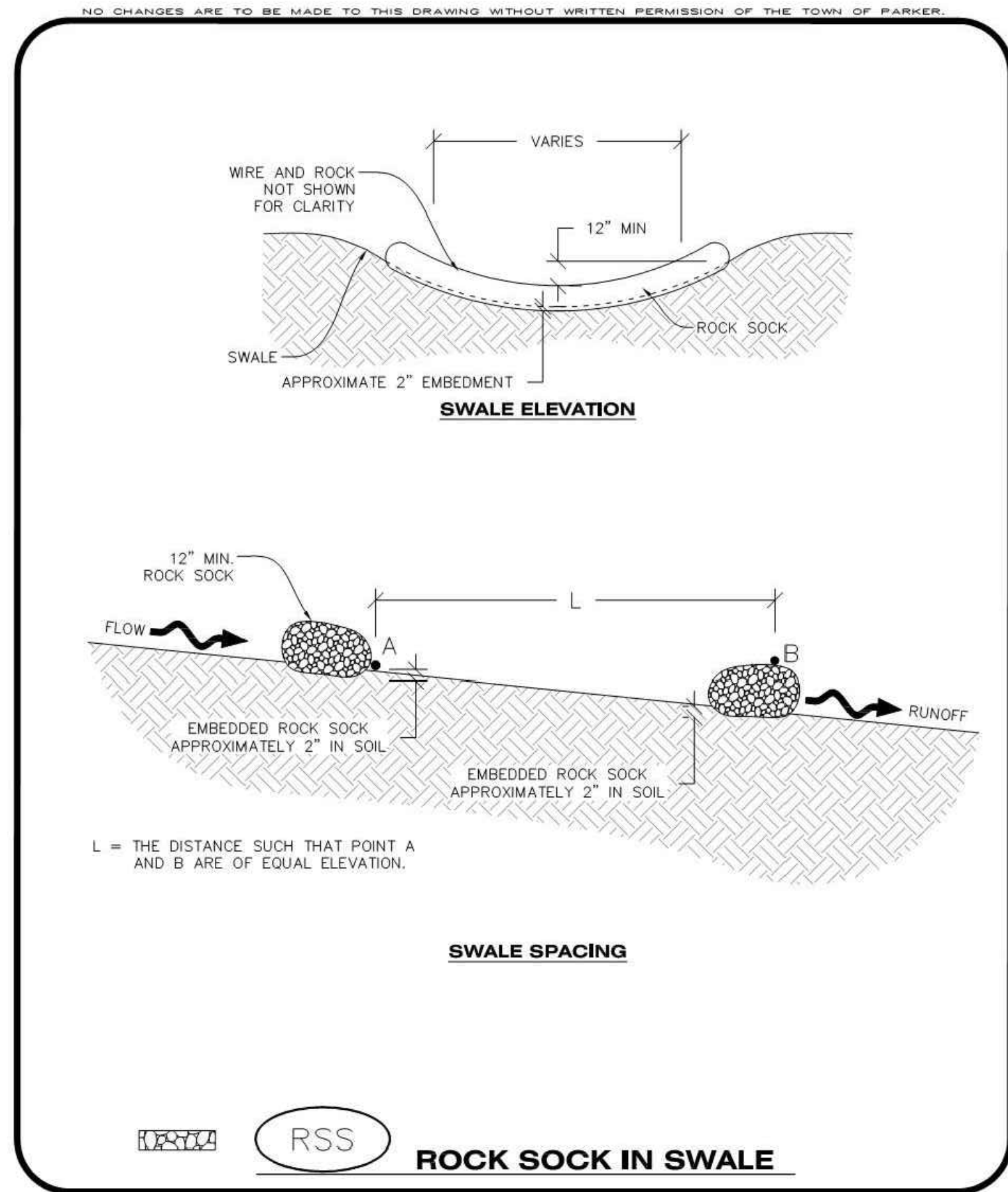
**ROUGH CUT STREET CONTROL INSTALLATION NOTES**

- SEE CBMP PLAN FOR LOCATION(S) OF ROUGH CUT STREET CONTROL.
- THE SPACING OF THE ROUGH CUT STREET CONTROL MAY BE DETERMINED BY THE DESIGN ENGINEER AND SHOWN ON THE CBMP PLAN.

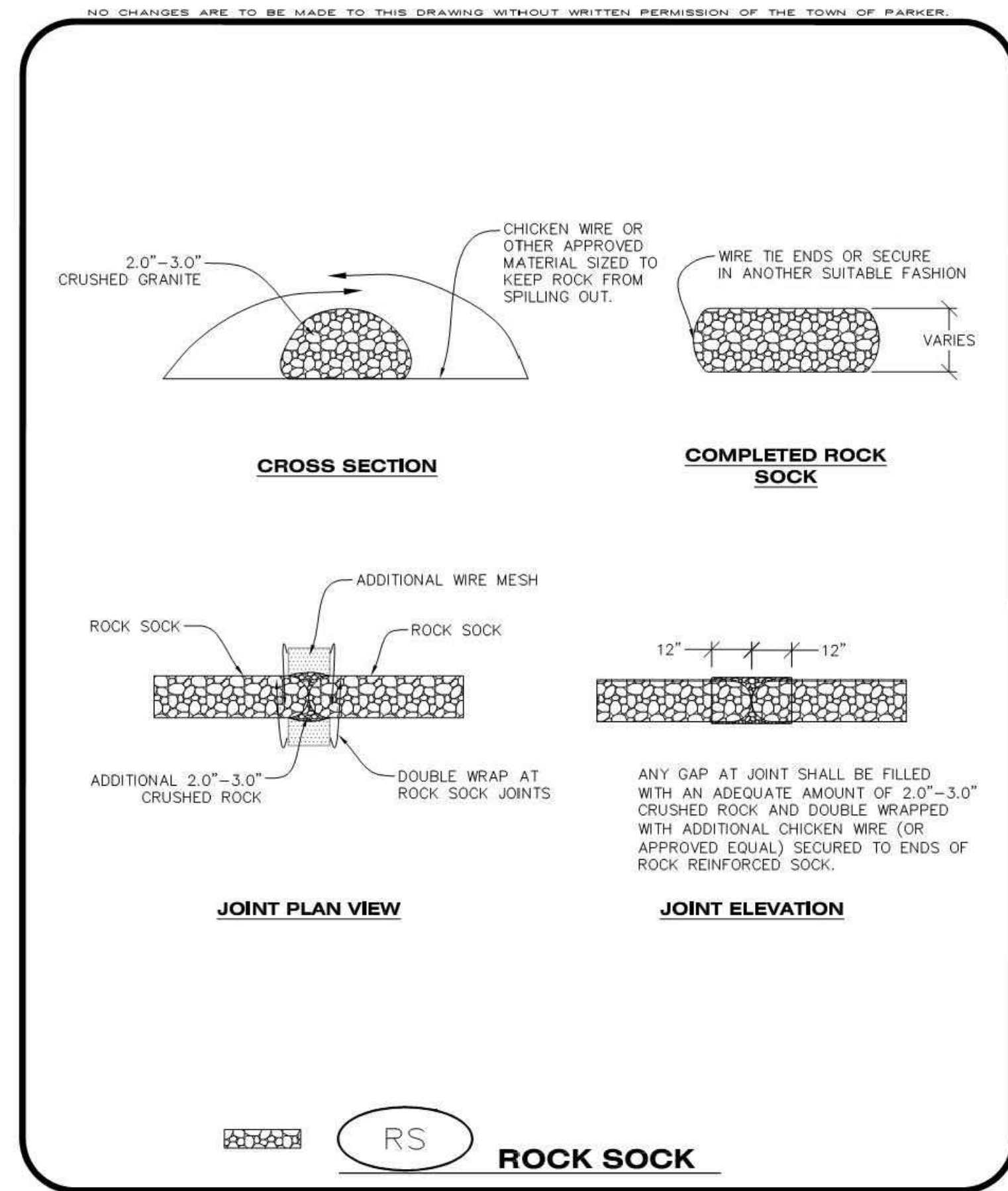
**ROUGH CUT STREET CONTROL INSPECTION AND MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE ROUGH CUT STREET CONTROL.
- ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS 1/2 THE HEIGHT OF THE ROCK SOCK.
- ROUGH CUT STREET CONTROL SHALL BE REPAIRED IMMEDIATELY FOLLOWING ANY SIGN OF WEAR OR ALTERATION OF THE ORIGINAL SHAPE AND DIMENSIONS.
- ROUGH CUT STREET CONTROL SHALL BE KEPT IN PLACE AND MAINTAINED UNTIL SUB-GRADE PREPARATION BEGINS FOR PAVING; AT THAT POINT, THE RCSC SHOULD BE REMOVED IN INCREMENTS BASED ON SUBGRADE PREPARATION.

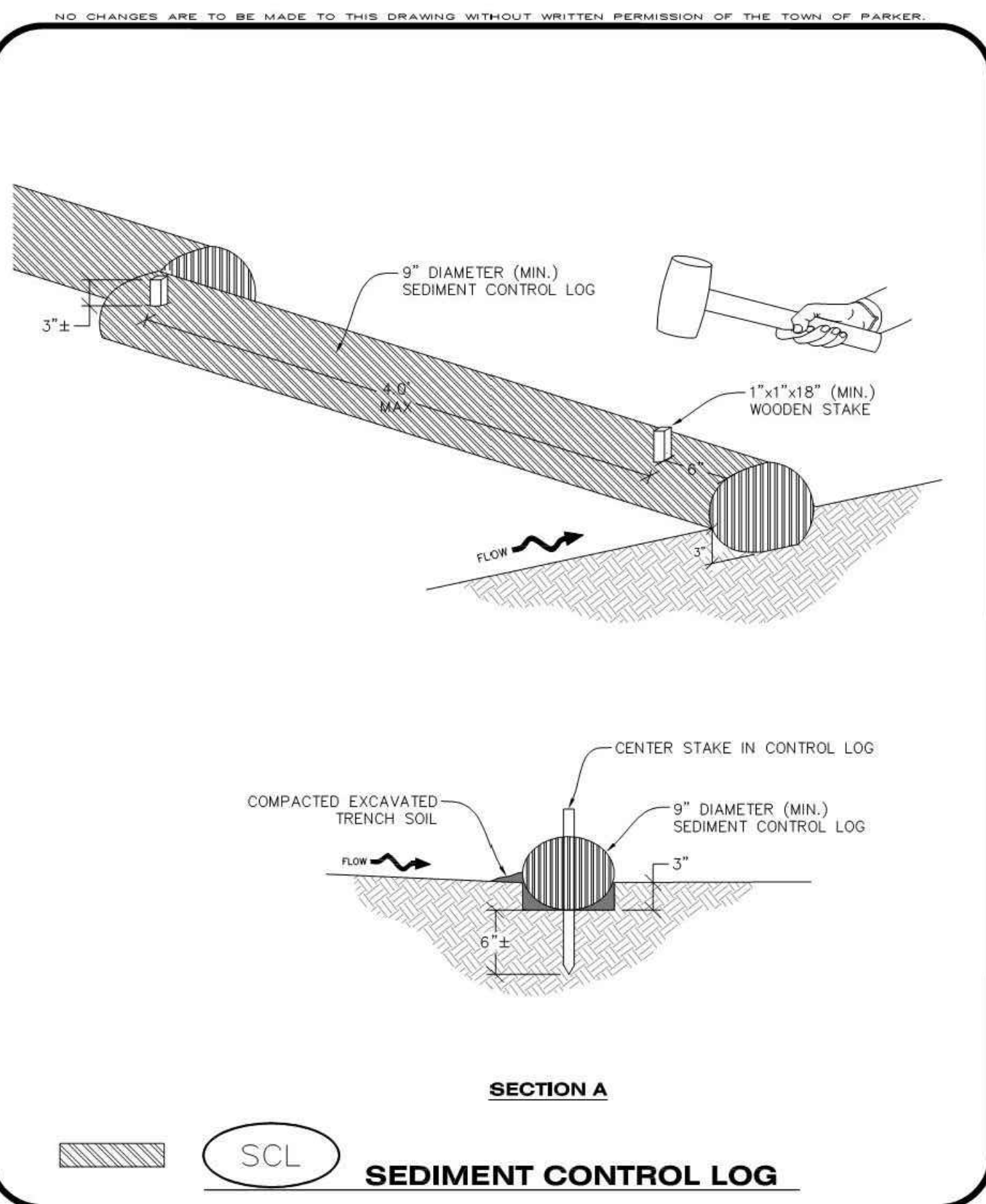
**CBMP** | **RCSC**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 2  
Oct. 2013



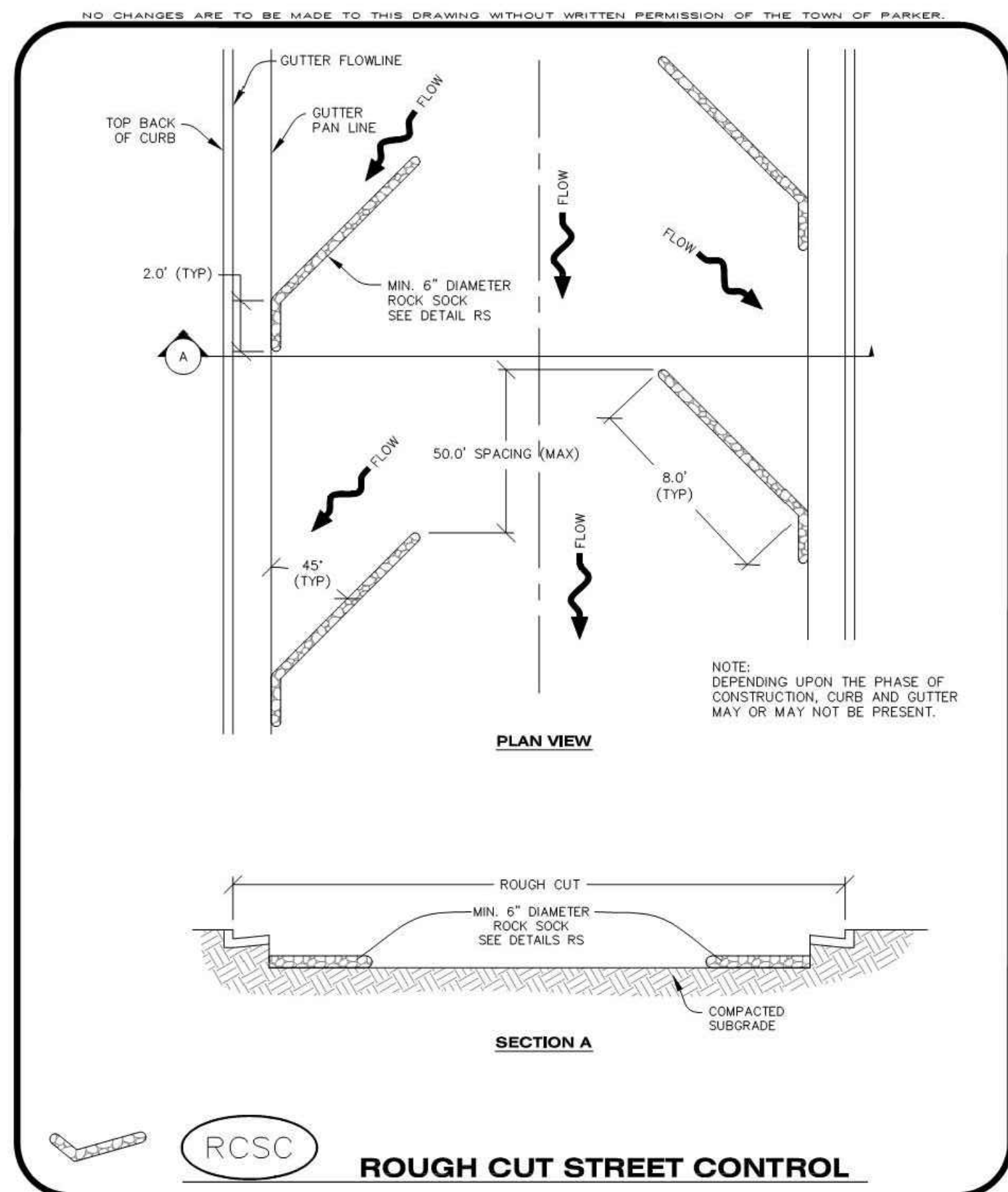
**CBMP** | **RSS**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 1  
Oct. 2013



**CBMP** | **RS**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 2  
Oct. 2013



**CBMP** | **SCL**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 3  
Oct. 2013



**CBMP** | **RCSC**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 2  
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

**ROCK SOCK INSTALLATION NOTES**

- SEE CBMP PLAN FOR LOCATION(S) OF ROCK SOCK.
- CRUSHED ROCK SHALL BE APPROXIMATELY 2.0"-3.0" GRANITE IN SIZE WITH A FRACTURED FACE (ALL SIDES).
- ROCK SOCK SHALL BE APPROXIMATELY ONE CONTINUOUS PIECE OR SHALL BE CONSTRUCTED USING WIRE WRAPPED JOINTS (SEE DETAIL RS).
- ROCK SOCK SHALL BE CONSTRUCTED USING CHICKEN WIRE OR OTHER APPROVED MATERIAL SIZED TO KEEP ROCK FROM SPILLING OUT.
- MINIMUM ROCK SOCK DIAMETER SHALL VARY BASED ON APPLICATION (7" MIN).
- TUBULAR MARKERS MAY NEED TO BE USED IN CONJUNCTION WITH ROCKS SOCKS ANYTIME THE ROCK SOCK IS PLACED ON A ROADWAY, SIDEWALK, PARKING LOT OR OTHER LOCATION SUSCEPTIBLE TO VEHICLE OR PEDESTRIAN TRAFFIC. TUBULAR MARKERS SHALL CONFORM TO THE TUBULAR MARKER DETAIL.

**ROCK SOCK INSPECTION AND MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE ROCK SOCKS.
- ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED.
- ROCK SOCKS SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.

**CBMP** | **RS**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 2  
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

**TOWN OF PARKER, SEED MIX 1**

- 20% CANADA WILDRYE
- 15% CRESTED WHEATGRASS
- 15% SLENDER WHEATGRASS
- 10% ANNUAL RYEGRASS
- 10% SHEEP FESCUE
- 10% BIG BLUESTEM
- 10% SIDCOATS GRAMA
- 5% CANADA BLUEGRASS
- 5% BLUE GRAMA

**SEEDING RATE:**

DRILLED: 25 LBS/ACRE  
BROADCAST: 50 LBS/ACRE

**TOWN OF PARKER, SEED MIX 2**

- 22% SLENDER WHEATGRASS
- 18% SODAR STREAMBANK WHEATGRASS
- 13% ARIZONA FESCUE
- 13% BLUE GRAMA
- 12% BUFFALOGRASS
- 12% BARLEY OR OATS
- 5% SPIKE MUHLY
- 5% INDIAN RICEGRASS

**SEEDING RATE:**

DRILLED: 25 LBS/ACRE  
BROADCAST: 50 LBS/ACRE

**TOWN OF PARKER, SEED MIX 3 (LOW-GROWTH MIX)**

- 25% EPHRAIM CRESTED WHEATGRASS
- 23% SHEEP FESCUE
- 18% PERENNIAL RYEGRASS
- 13% CANADA BLUEGRASS
- 12% BARLEY OR OATS
- 9% BLUE FESCUE

**SEEDING RATE:**

DRILLED: 25 LBS/ACRE  
BROADCAST: 50 LBS/ACRE

**SEED MIX 4:**  
OTHER SEED MIXES APPROVED BY THE TOWN OF PARKER

**Parker COLORADO** | **CBMP** | **SMC**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 3 OF 3  
Oct. 2013

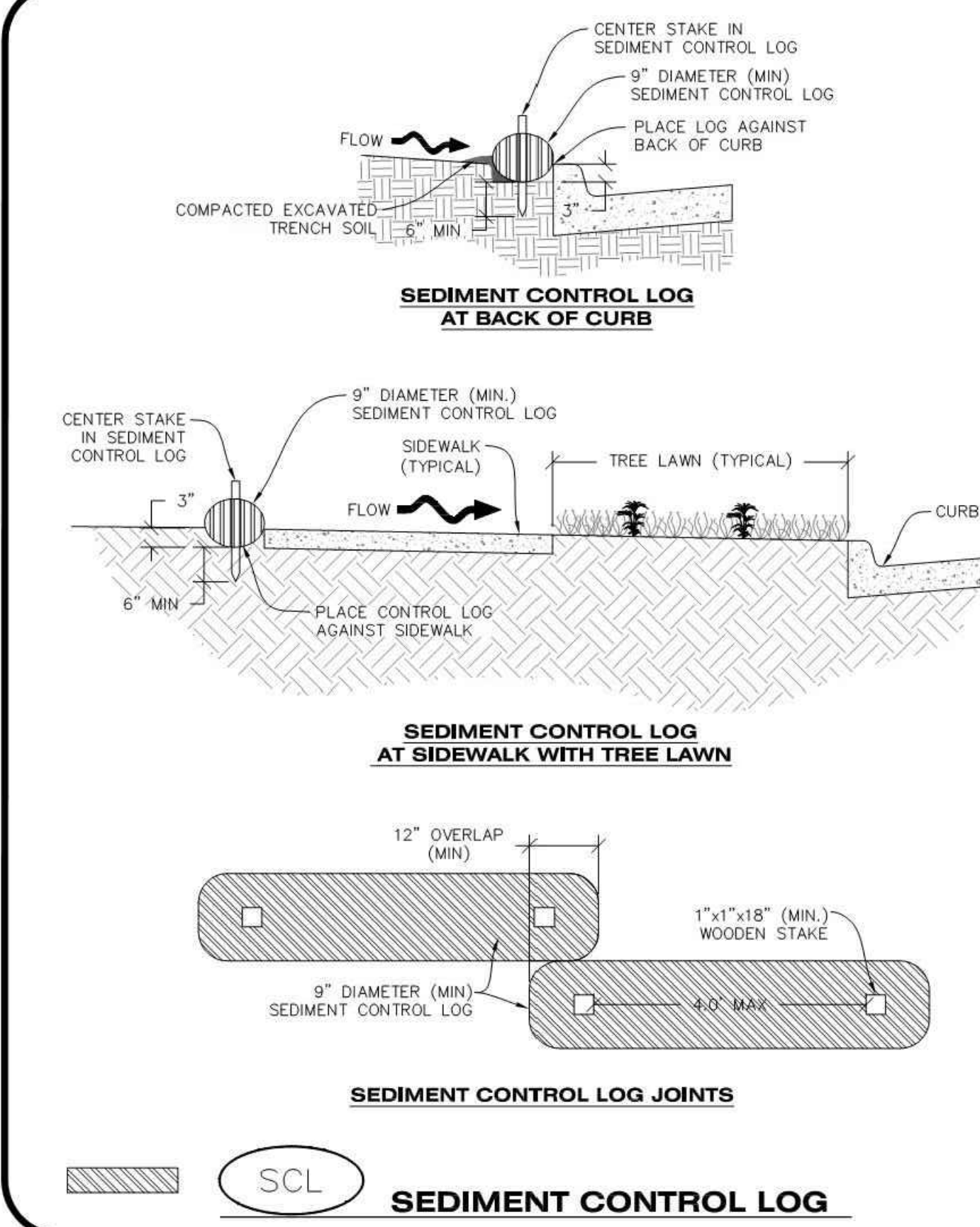
NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

**SEEDING AND MULCHING SHALL BE PERFORMED ACCORDING TO THE ACCOMPANYING DETAIL(S) AND TEXT. NO EXCEPTIONS SHALL BE MADE**

- SEE PLAN VIEW FOR:
  - LOCATION(S) OF SEEDING AND MULCHING
  - TYPE OF SEED MIX
- SEED MIXES MAY CONFORM TO THE TABLE PROVIDED WITH THE SMC NOTES OR ALTERNATIVES MAY BE ALLOWED WITH PRIOR PERMISSION BY THE TOWN'S INSPECTOR.
- SEEDING MAY BE PERFORMED YEAR ROUND ASSUMING THE SOIL IS NOT FROZEN. SEEDING DURING TIMES OF EXTREME TEMPERATURES SHOULD BE AVOIDED IF POSSIBLE.
- AT THE BEGINNING OF THE LAND DISTURBANCE ACTIVITIES, IT IS HIGHLY RECOMMENDED THAT AN APPROPRIATE AMOUNT OF NATIVE TOPSOIL BE STRIPPED FROM THE SITE AND STOCKPILED. ALL AREAS, PRIOR TO PERMANENT SEEDING AND MULCHING, WILL LIKELY NEED TO BE COVERED WITH AN APPROPRIATE LAYER OF TOPSOIL. THIS REQUIREMENT APPLIES TO ALL AREAS WHERE NATIVE SEEDING IS SPECIFIED ON THE CBMP PLAN AND/OR LANDSCAPING PLANS.
- IT IS STRONGLY RECOMMENDED THAT SAMPLES FROM THE STRIPPED TOPSOIL BE PROPERLY COLLECTED AND TESTED BY A QUALIFIED LABORATORY TO ENSURE ADEQUATE NUTRIENT CONTENT PRIOR TO SEEDING AND MULCHING. IF IT IS DISCOVERED THAT THE TOPSOIL IS VOID OF THE NUTRIENTS NECESSARY TO SUCCESSFULLY ESTABLISH THE REQUIRED VEGETATION, THEN THE APPROPRIATE AMENDMENTS SHALL BE ADDED.
- ALL AREAS TO BE SEEDED AND MULCHED SHALL BE SURFACE ROUGHENED ACCORDING TO THE SURFACE ROUGHENING DETAILS AND NOTES. SURFACE ROUGHENING SHALL OCCUR AFTER PLACEMENT OF THE TOPSOIL.
- WHEN INSTALLED WITH A DRILL SEEDER, SEED SHALL BE PLACED AT A DEPTH OF 1/4 - 1/2 INCH. ROW SPACING SHALL BE NO MORE THAN 6-INCHES.
- ALL AREAS INCAPABLE OF BEING DRILL SEEDED SHALL BE SURFACE ROUGHENED ACCORDING TO THE SURFACE ROUGHENING NOTES OR EFFECTIVELY ROUGHENED USING A HARROW OR OTHER SUCH IMPLEMENT. ALL AREAS SHALL BE UNIFORMLY HAND BROADCASTED WITH THE PROPER SEED MIX APPLIED AT TWO TIMES THE DRILL SEEDED RATE. BROADCASTED AREAS SHALL THEN BE RE-HARROWED OR RE-RAKED USING A HARD-TIPPED RAKE TO ENSURE THAT SEEDS ARE BURIED TO AN APPROXIMATE DEPTH OF 1/4 - 1/2 INCH.
- AFTER SEEDING HAS BEEN COMPLETED, MULCH SHALL BE UNIFORMLY APPLIED AT A RATE OF 2 TONS/ACRE (4,000 LBS/ACRE). MULCH SHALL BE MECHANICALLY CRIMPED TO A DEPTH OF 2 INCHES USING A CRIMPER. MULCH SHALL BE HAND CRIMPED AND COVERED WITH A TACKIFIER IN AREAS WHERE MECHANICAL CRIMPING IS NOT POSSIBLE. WHEN SOILS PERMIT, ALL MULCH SHALL BE CRIMPED SUCH THAT THE INDIVIDUAL PIECES OF STRAW OR HAY FORM EXAGGERATED V-SHAPES PROTRUDING OUT OF THE GROUND SEVERAL INCHES.
- IN CERTAIN INSTANCES, IT MAY BE NECESSARY TO APPLY A TACKIFIER IN ORDER TO HELP WITH STRAW DISPLACEMENT. TACKIFIER SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.

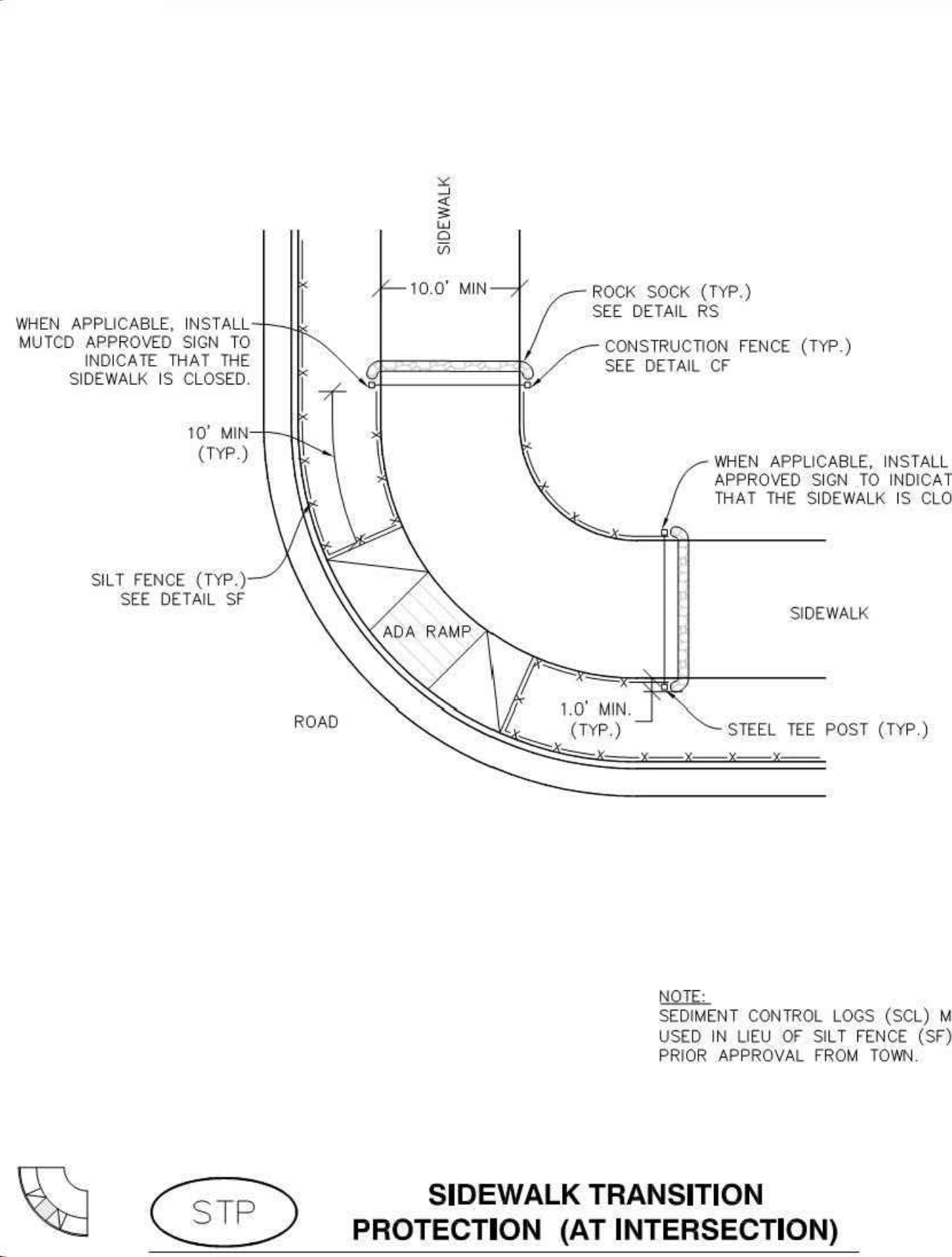
**Parker COLORADO** | **CBMP** | **SMC**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 3  
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**Parker COLORADO** | **CBMP** | **SCL**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 3  
Oct. 2013

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**Parker COLORADO** | **CBMP** | **STP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 3  
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

**SEEDING AND MULCHING MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE SEEDING AND MULCHING.
  - ANY SEEDED AND MULCHED AREAS THAT BECOME DAMAGED SHALL BE REPAIRED WITHIN THE TIME FRAME SPECIFIED BY THE TOWN'S INSPECTOR.
- WEED MANAGEMENT**
- ALL HERBICIDES SHALL BE APPLIED BY COMMERCIAL PESTICIDE APPLICATORS LICENSED BY THE COLORADO DEPARTMENT OF AGRICULTURE AS QUALIFIED APPLICATORS. THE CONTRACTOR SHALL FURNISH DOCUMENTATION OF SUCH LICENSING PRIOR TO HERBICIDE APPLICATION.
  - HERBICIDE APPLICATION METHOD SHALL BE SUCH THAT PLANT GROWTH OUTSIDE THE DESIGNATED TREATMENT AREAS WILL NOT BE DAMAGED. ALL DAMAGE CAUSED BY IMPROPER HERBICIDE APPLICATION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
  - HERBICIDES SHALL BE APPLIED DURING THE APPROPRIATE SEASONS, WHEN TARGET PLANTS ARE ACTIVELY GROWING.
  - AFTER THE GRASS SEED IS ESTABLISHED, APPROPRIATE HERBICIDES SHALL BE APPLIED TO CONTROL THE REMAINING WEEDS TO ENSURE A TIMELY RETURN OF THE FINANCIAL SECURITY. PROPER TIMING OF HERBICIDE APPLICATIONS ARE NECESSARY TO ACHIEVE THE SUPPRESSION OF WEED SEED PRODUCTION AND DEPLETION OF WEED ROOT MASS. ULTIMATELY, THE HERBICIDES USED SHALL BE BASED UPON THE TARGET WEEDS.
  - HERBICIDE TREATMENTS SHALL CONTINUE AT AN APPROPRIATE RATE UNTIL IT IS EVIDENT THAT WEED GROWTH PRESENCE AND GROWTH IS MINIMAL AND MAY BE CONTROLLED THROUGH MOWING AND/OR ANNUAL HERBICIDE TREATMENT.

**Parker COLORADO** | **CBMP** | **SMC**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 3  
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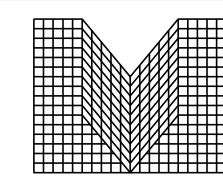
**SEDIMENT CONTROL LOG INSTALLATION NOTES**

- SEE CBMP PLAN FOR LOCATION(S) OF SEDIMENT CONTROL LOGS.
- ALL SEDIMENT CONTROL LOGS SHALL BE INSTALLED FREE OF DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.
- SEDIMENT CONTROL LOGS SHALL BE INSTALLED IMMEDIATELY ADJACENT TO AN IMPERVIOUS SURFACE SUCH AS A CURB HEAD, SIDEWALK, INLET LID, ETC. NO GAPS SHALL EXIST BETWEEN THE SEDIMENT CONTROL LOG AND THE IMPERVIOUS SURFACE.
- A UNIFORM 3" DEEP ANCHOR TRENCH (APPROX.) IN THE SHAPE OF A HALF-SPHERE SHALL BE EXCAVATED USING A TRENCHER, SPADE-SHAPED SHOVEL, OR PICK. THE ANCHOR TRENCH SHALL BE SIZED TO ALLOW FOR THE SEDIMENT CONTROL LOG TO SEAT TIGHTLY AGAINST THE ANCHOR TRENCH.
- EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF THE ANCHOR TRENCH AND PROPERLY COMPACTED.
- ANCHOR TRENCH SHALL BE RELATIVELY FREE OF ROCKS OR OTHER DEBRIS PRIOR TO THE PLACEMENT.
- ALL SEDIMENT CONTROL LOGS SHALL BE PLACED 3" (APPROX.) BELOW THE GROUND AND PULLED TIGHT ON BOTH ENDS TO REMOVE ANY SNAKES OR BAGS.
- THE UPHILL SIDE OF THE SEDIMENT CONTROL LOG SHALL BE BACKFILLED WITH SOIL THAT IS RELATIVELY FREE OF ROCKS AND DEBRIS. THE SOIL SHALL BE TIGHTLY COMPACTED AGAINST THE GROUND AND SEDIMENT CONTROL LOG USING A SHOVEL, OR SIMILAR DEVICE.
- SEDIMENT CONTROL LOG STAKES SHALL BE MADE OF WOOD AND SECURELY ANCHOR THE SCL IN PLACE.
- STAKES SHALL BE PLACED ON 4.0' CENTERS AND EMBEDDED APPROXIMATELY 6" INTO THE GROUND. STAKES THAT ARE BROKEN PRIOR TO OR DURING INSTALLATION SHALL BE REPLACED.
- SEDIMENT CONTROL LOGS SHALL OVERLAP A MINIMUM OF 12". THE OVERLAPPING SHALL OCCUR ON THE UP-GRADE SIDE OF THE LOGS.
- SEDIMENT CONTROL LOGS SHALL BE STAKED WITHIN 6" FROM EACH END.
- SEDIMENT CONTROL LOGS THAT ARE INSTALLED BEHIND CURBS AND SIDEWALKS MUST BE DONE SO THAT NO MORE THAN A 2" GAP EXISTS BETWEEN THE CONCRETE AND THE LOG. EROSION CONTROL BLANKETING (ECB) BETWEEN THE GAP MAY BE REQUIRED IN INSTANCES WHERE THIS DOES NOT OCCUR.

**SEDIMENT CONTROL LOG INSPECTION AND MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE SEDIMENT CONTROL LOGS.
- ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE THE SEDIMENT HAS REACHED A DEPTH EQUAL TO 1/2 THE HEIGHT OF EXPOSED LOG.
- SEDIMENT CONTROL LOGS SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.
- SEDIMENT CONTROL LOGS SHALL BE REPLACED WHEN THERE ARE ANY SIGNS OF WEAR OR DAMAGE THAT WOULD PREVENT THE SCL FROM FUNCTIONING AS DESIGNED.
- WHEN THE SEDIMENT CONTROL LOGS ARE REMOVED, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE SEDIMENT CONTROL LOGS MAY NEED TO BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).

**Parker COLORADO** | **CBMP** | **SCL**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 3 OF 3  
Oct. 2013



**S.A. MIRO INC.**  
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CLIENT NAME:	<b>PARKER ADVENTIST HOSPITAL</b>
PROJECT NAME:	<b>PARKER SALT SHED</b>
DRAWING TITLE:	<b>9395 CROWN CREST BLVD. EROSION CONTROL DETAILS</b>
FILE PATH:	J:\Jobs\19131\PKR Salt Shed\05 CAD\Plans and Details\C351-EROS-DTL.S.dwg C-359 - 4/10/2020

**NOT FOR CONSTRUCTION**

DESIGNED BY:	MHV
DRAWN BY:	SSM
CHECKED BY:	MHV
DATE:	12/4/2019
MIRO JOB NUMBER:	19131
CLIENT JOB NUMBER:	
DRAWING NUMBER:	<b>C-359</b>

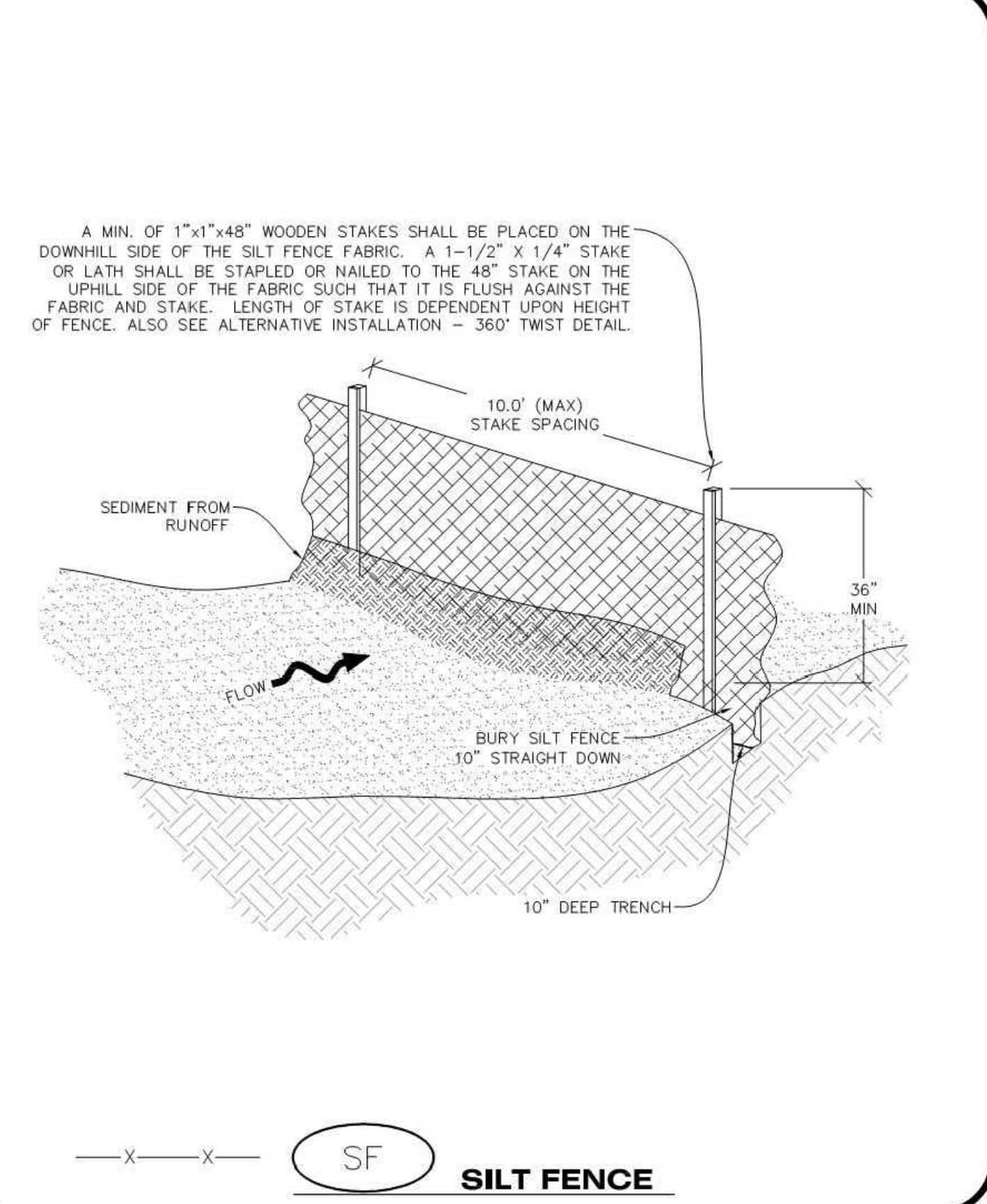
NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

**SILT FENCE INSTALLATION NOTES**

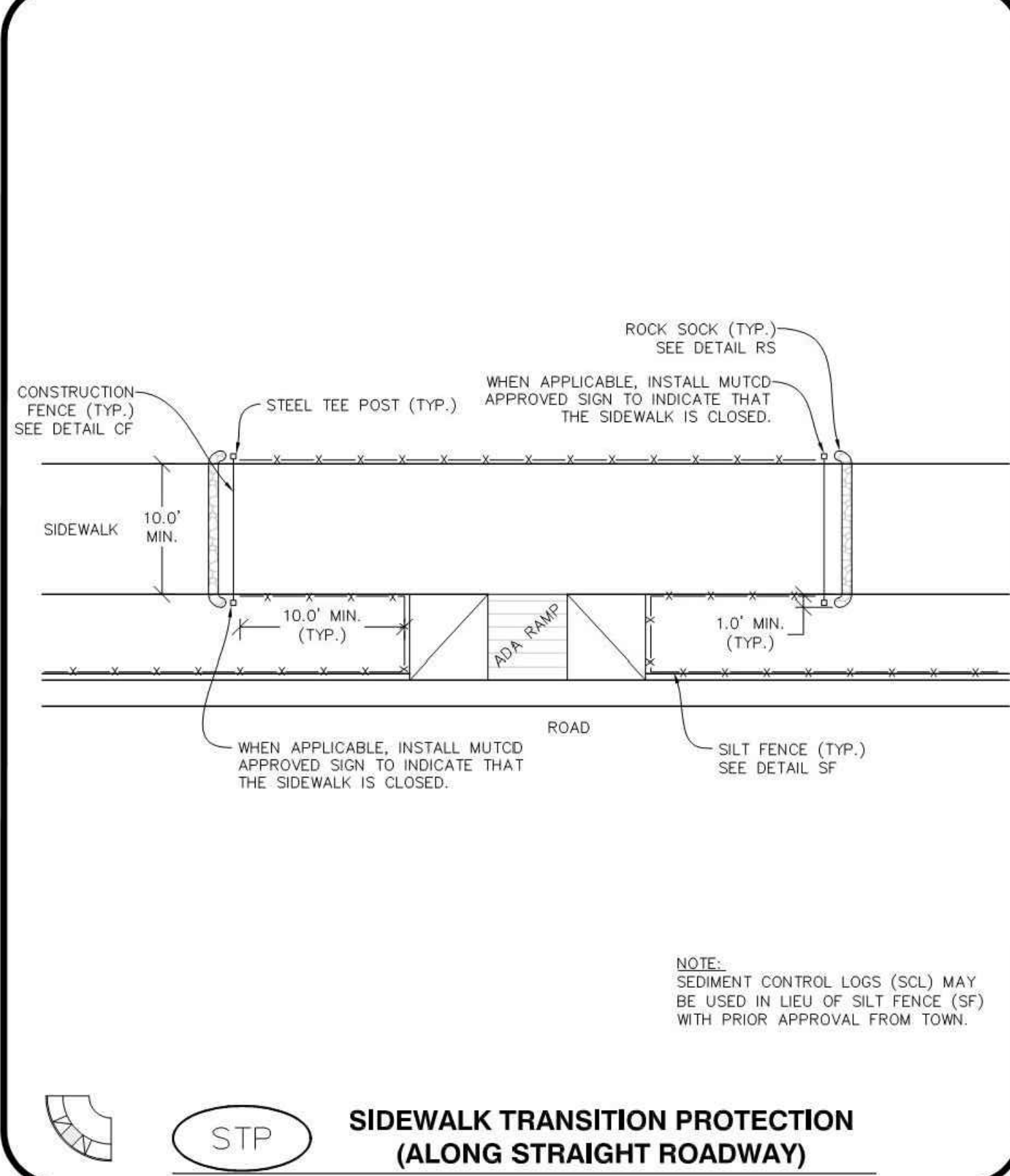
- SEE CBMP PLAN FOR LOCATION(S) OF SILT FENCE.
- ALL SILT FENCE SHALL BE INSTALLED IN GOOD CONDITION AND FREE OF ANY DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.
- A UNIFORM 10" DEEP ANCHOR TRENCH SHALL BE EXCAVATED USING A TRENCHER.
- A 10" DEEP ANCHOR SLIT SHALL BE FORMED IF USING A STATIC SLICING METHOD.
- EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF THE ANCHOR TRENCH.
- ANCHOR TRENCH SHALL BE GENERALLY FREE OF ROCKS OR OTHER DEBRIS PRIOR TO THE PLACEMENT OF THE SILT FENCE.
- THE ANCHOR TRENCH SHALL BE THOROUGHLY BACKFILLED WITH SOIL THAT IS GENERALLY FREE OF ROCKS AND DEBRIS.
- ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE UP-GRADIENT SIDE OF THE SILT FENCE.
- STAKES SHALL BE POSITIONED ON THE DOWNHILL SIDE OF THE SILT FENCE FABRIC AND PLACED ON 10.0' CENTERS OR LESS. STAKES SHALL BE EMBEDDED A MINIMUM OF 12" INTO THE GROUND. A WOODEN LATH SHALL BE ATTACHED TO THE OPPOSING (UPHILL) SIDE OF THE STAKE FOR ADDED STRENGTH AND SUPPORT. THE LATH SHALL HAVE THE FOLLOWING DIMENSIONS: 1"x1/4"x24".
- SILT FENCE SHALL BE PULLED TIGHT AS IT IS ANCHORED TO THE STAKES. THERE SHOULD NOT BE SIGNIFICANT SAGGING ALONG ANY PORTION OF THE SILT FENCE AFTER IT HAS BEEN ANCHORED TO THE STAKES.
- SILT FENCE FABRIC SHALL BE ANCHORED TO THE STAKES AND LATHS USING STAPLES OR NAILS OF AN APPROXIMATE LENGTH. ENOUGH STAPLES AND NAILS SHOULD BE PLACED ALONG THE LATH TO ENSURE PROPER ATTACHMENT.
- SILT FENCE FABRIC SHALL MEET THE FOLLOWING MANDATORY REQUIREMENTS:
 

PROPERTIES	TEST METHOD	MANDATORY REQUIREMENTS
GRAB TENSILE STRENGTH	ASTM D 4832	> 124 LBS
MULLEN BURST STRENGTH	ASTM D 3786	> 300 PSI
PUNCTURE STRENGTH	ASTM D 4833	> 60 LBS
TRAPEZOID TEAR STRENGTH	ASTM D 4533	> 65 LBS
UV RESISTANCE	ASTM D 4355	> 80% AT 500 HOURS OF UV EXPOSURE
FLOW RATE	ASTM D 4491	> 10 GAL/MIN/FT2
- AN ORIGINAL PRODUCT SPECIFICATION SHEET FROM THE SILT FENCE MANUFACTURER SHALL BE MADE AVAILABLE AT THE REQUEST OF THE TOWN'S INSPECTOR. THE PRODUCT SPECIFICATION SHEET SHALL PROVIDE THE RESULTS FOR THE TEST METHODS ABOVE.
- SILT FENCE JOINTS SHALL BE CONNECTED ACCORDING TO THE ATTACHED DRAWING.
- SILT FENCE THAT IS INSTALLED BEHIND CURBS AND SIDEWALKS MUST BE DONE SO THAT NO MORE THAN A 2" GAP EXISTS BETWEEN CONCRETE AND THE SILT FENCE. EROSION CONTROL BLANKETING (ECB) BETWEEN THE GAP MAY BE REQUIRED IN INSTANCES WHERE THIS DOES NOT OCCUR.

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.



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**Parker COLORADO** | **CBMP** | **SF**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 3 OF 4 Oct. 2013

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CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 4 Oct. 2013

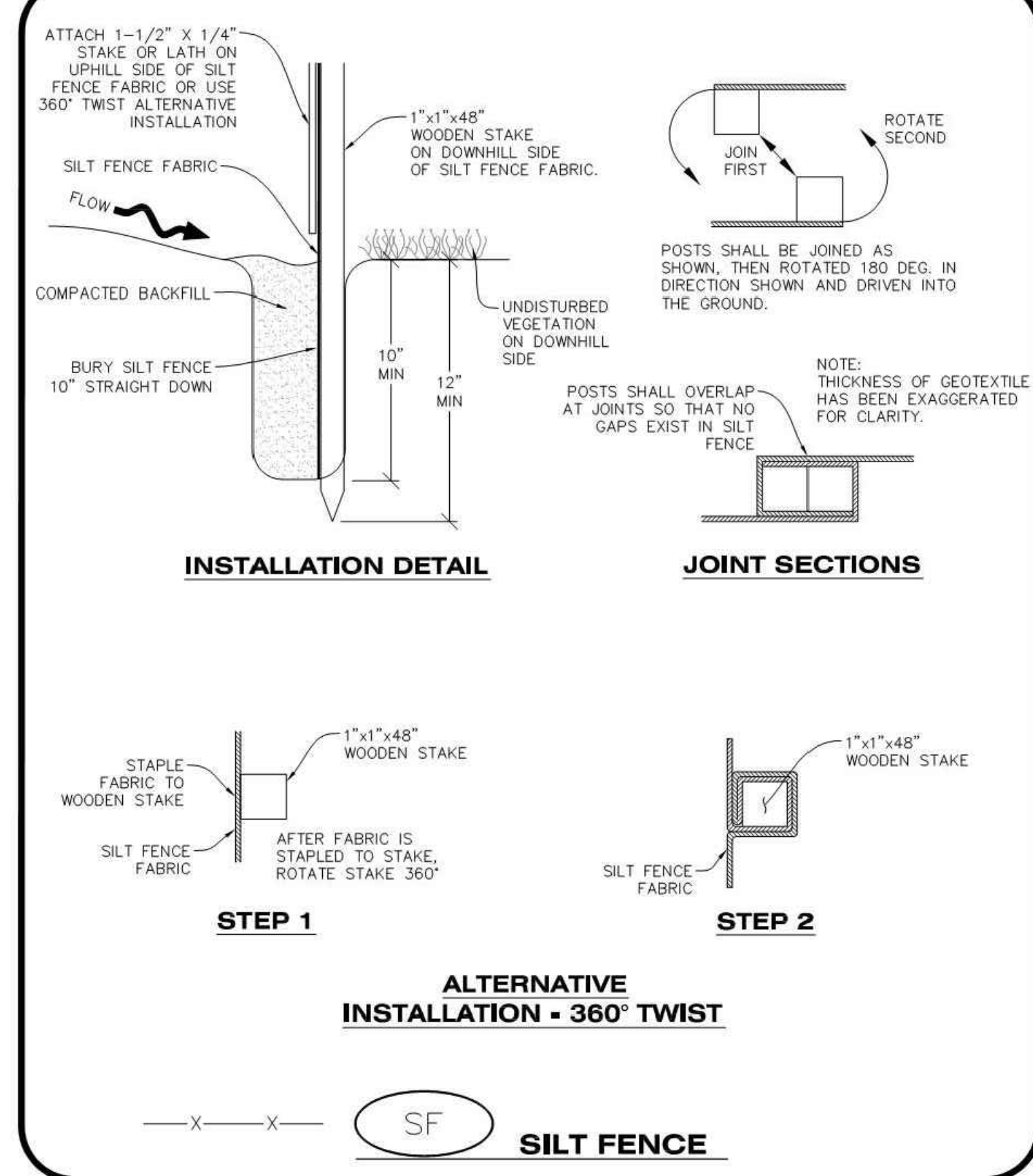
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**SILT FENCE INSPECTION AND MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE SILT FENCE.
- ACCUMULATED SEDIMENT SHALL BE REMOVED REGULARLY.
- SILT FENCE SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.
- SILT FENCE SHALL BE REPLACED WHEN THERE ARE ANY SIGNS OF WEAR AND/OR DAMAGE.
- WHEN THE SILT FENCE IS REMOVED, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE SILT FENCE MAY NEED TO BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).

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**SIDEWALK TRANSITION PROTECTION INSTALLATION NOTES**

- SEE PLAN VIEW FOR LOCATION(S) OF SIDEWALK TRANSITION PROTECTION.
  - ROCK SOCK SHALL BE CONSTRUCTED ACCORDING TO THE DETAIL (SEE DETAIL RS).
  - SILT FENCE SHALL BE CONSTRUCTED ACCORDING TO THE DETAIL (SEE DETAIL SF).
  - CONSTRUCTION FENCE SHALL BE CONSTRUCTED ACCORDING TO THE DETAIL (SEE DETAIL CF).
  - SEDIMENT CONTROL LOGS MAY BE USED IN LIEU OF SILT FENCE WITH PRIOR APPROVAL FROM THE TOWN.
- SIDEWALK TRANSITION PROTECTION INSPECTION & MAINTENANCE NOTES**
- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE SIDEWALK TRANSITION INSPECTION.

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CONSTRUCTION BEST MANAGEMENT PRACTICES | 4 OF 4 Oct. 2013

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CONSTRUCTION BEST MANAGEMENT PRACTICES | 3 OF 3 Oct. 2013

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CLIENT NAME: **PARKER ADVENTIST HOSPITAL**  
PROJECT NAME: **PARKER SALT SHED**  
PROJECT ADDRESS: **9395 CROWN CREST BLVD.**  
DRAWING TITLE: **EROSION CONTROL DETAILS**  
FILE PATH: J:\Jobs\19131 PKR Salt Shed\05 CAD\Plans and Details\C351-EROS-DTL.S.dwg C-360 - 4/10/2020

**NOT FOR CONSTRUCTION**

DESIGNED BY:	MHV
DRAWN BY:	SSM
CHECKED BY:	MHV
DATE:	12/4/2019
MIRO JOB NUMBER	CLIENT JOB NUMBER
19131	
DRAWING NUMBER:	
<b>C-360</b>	

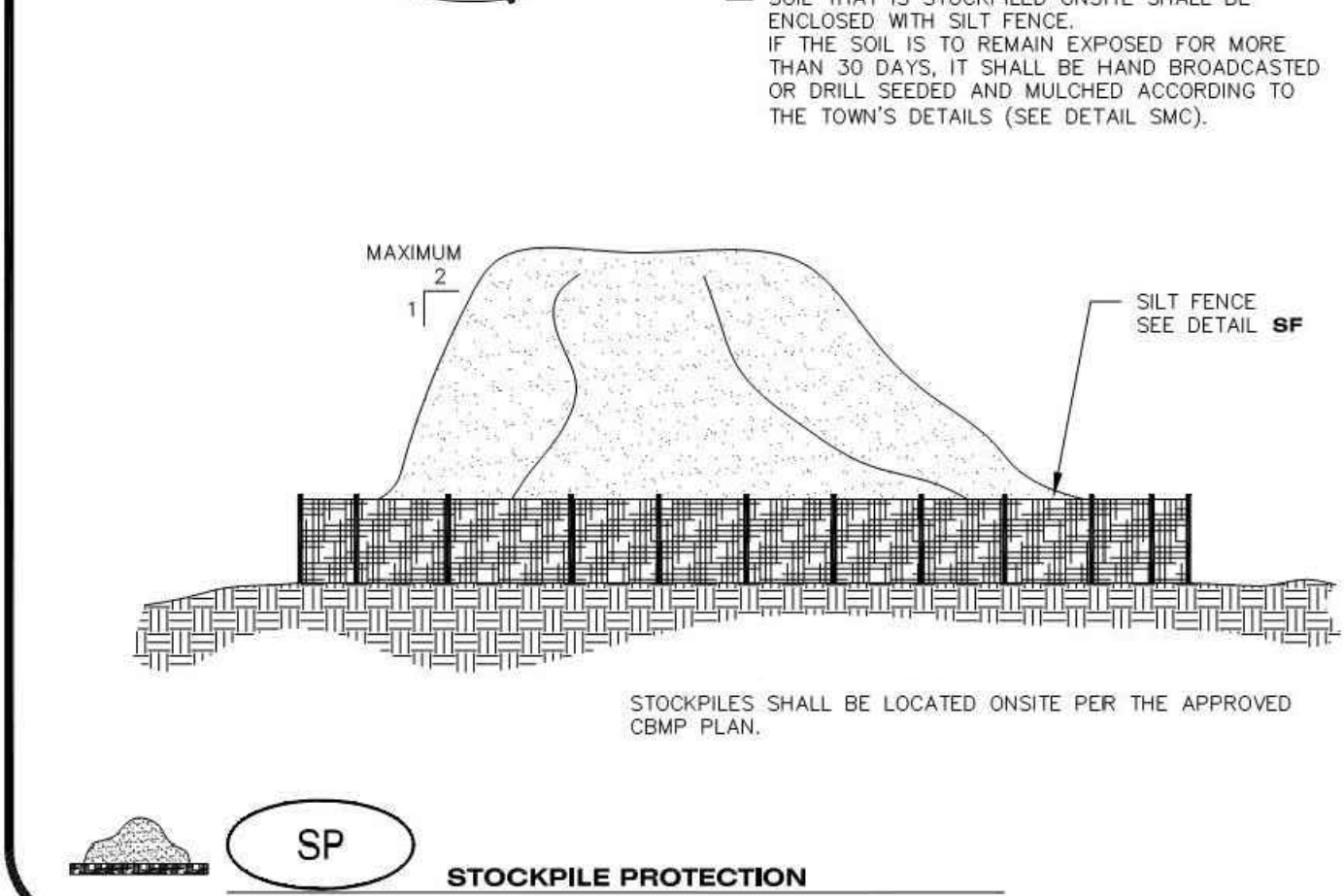
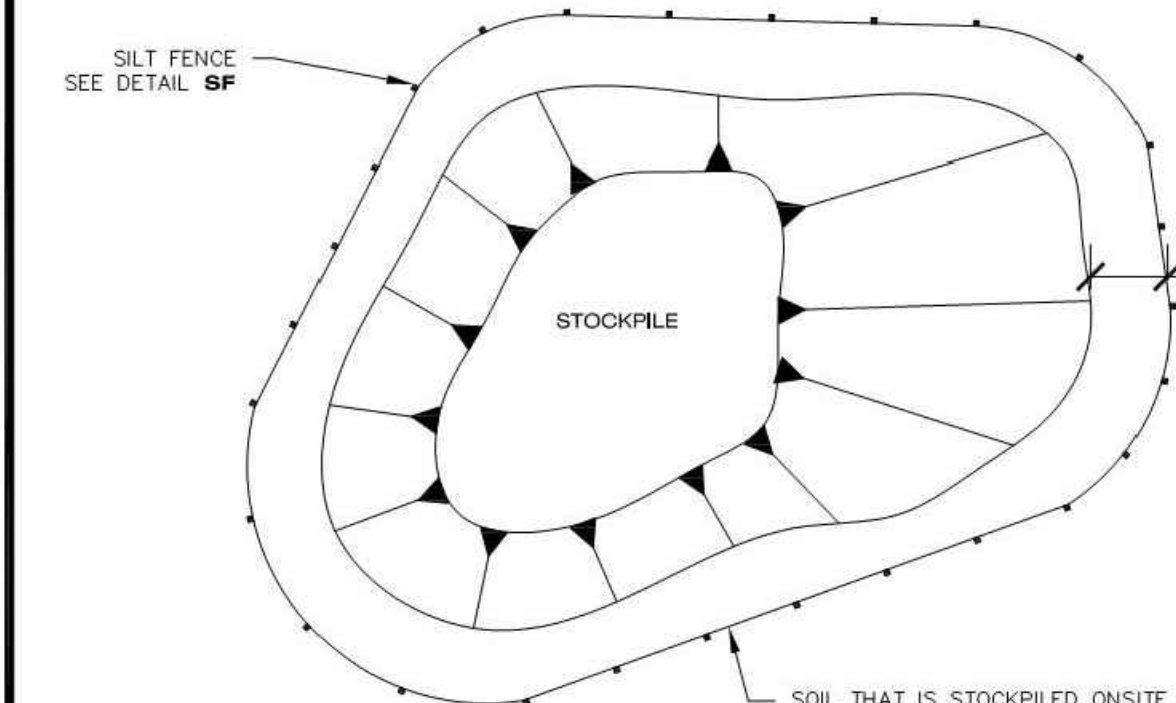
**STRAW BALE INSTALLATION NOTES**

1. SEE CBMP PLAN FOR LOCATION(S) OF STRAW BALES.
2. TYPICAL STRAW BALES SHALL BE APPROXIMATELY 36"x18"x18".
3. TWO (2) WOODEN STAKES SHALL BE USED TO HOLD EACH BALE IN PLACE. WOODEN STAKES SHALL BE A MINIMUM OF 1"x1"x24".
4. WOODEN STAKES SHALL BE PLACED APPROXIMATELY 6" INTO THE GROUND.
5. STRAW BALES SHALL BE SPACED AND POSITIONED ACCORDING TO DETAILS.

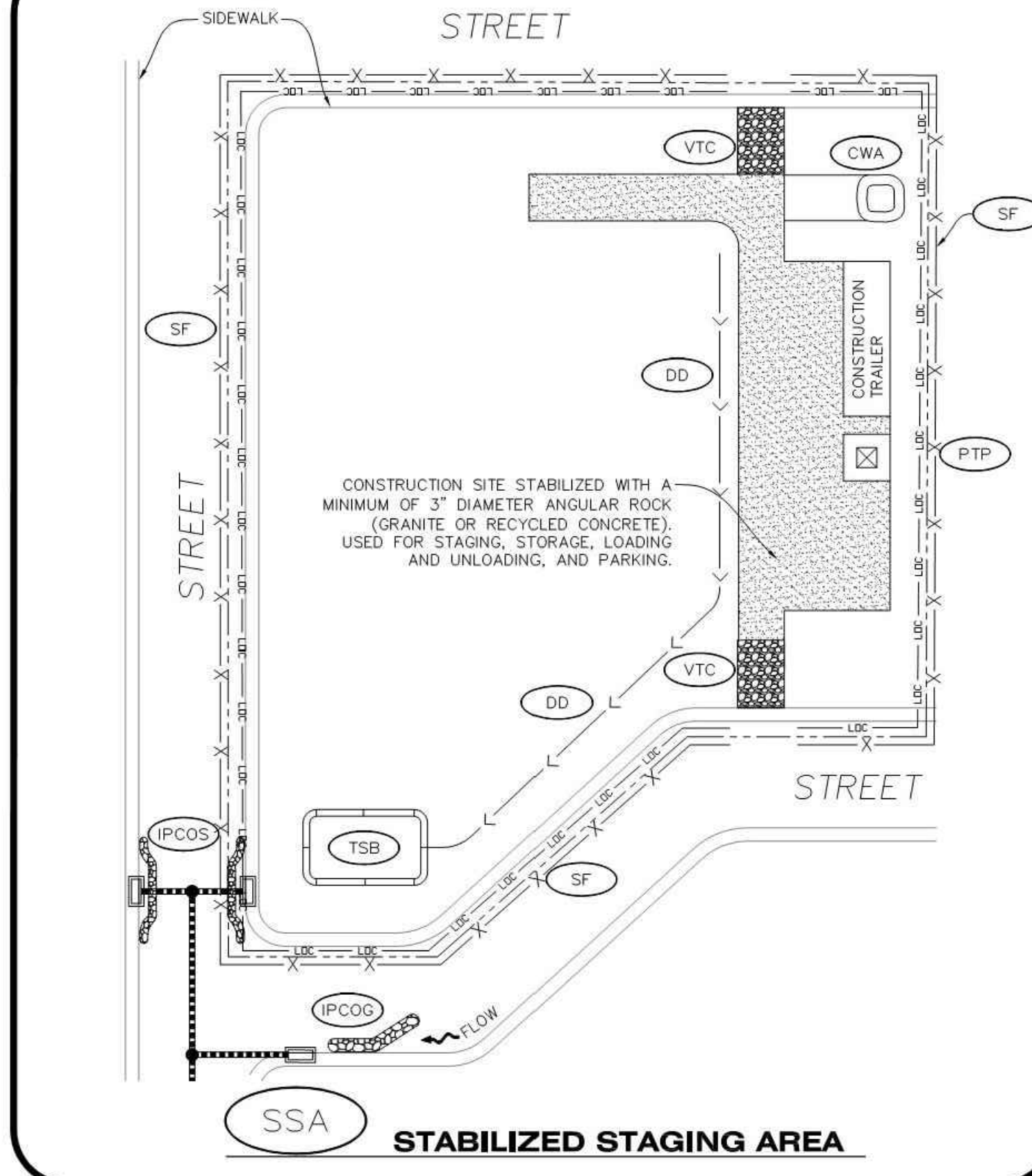
**STRAW BALE INSPECTION AND MAINTENANCE NOTES**

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE STRAW BALES.
2. ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE THE SEDIMENT HAS REACHED A DEPTH EQUAL TO 1/2 THE HEIGHT OF THE STRAW BALE.
3. STRAW BALES MAY NEED TO BE REPLACED IF THEY BECOME HEAVILY SOILED, ROTTEN, OR OTHERWISE DAMAGED.
4. STRAW BALES SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN INSPECTOR.
5. WHEN THE STRAW BALES ARE REMOVED, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE STRAW BALES MAY NEED TO BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).

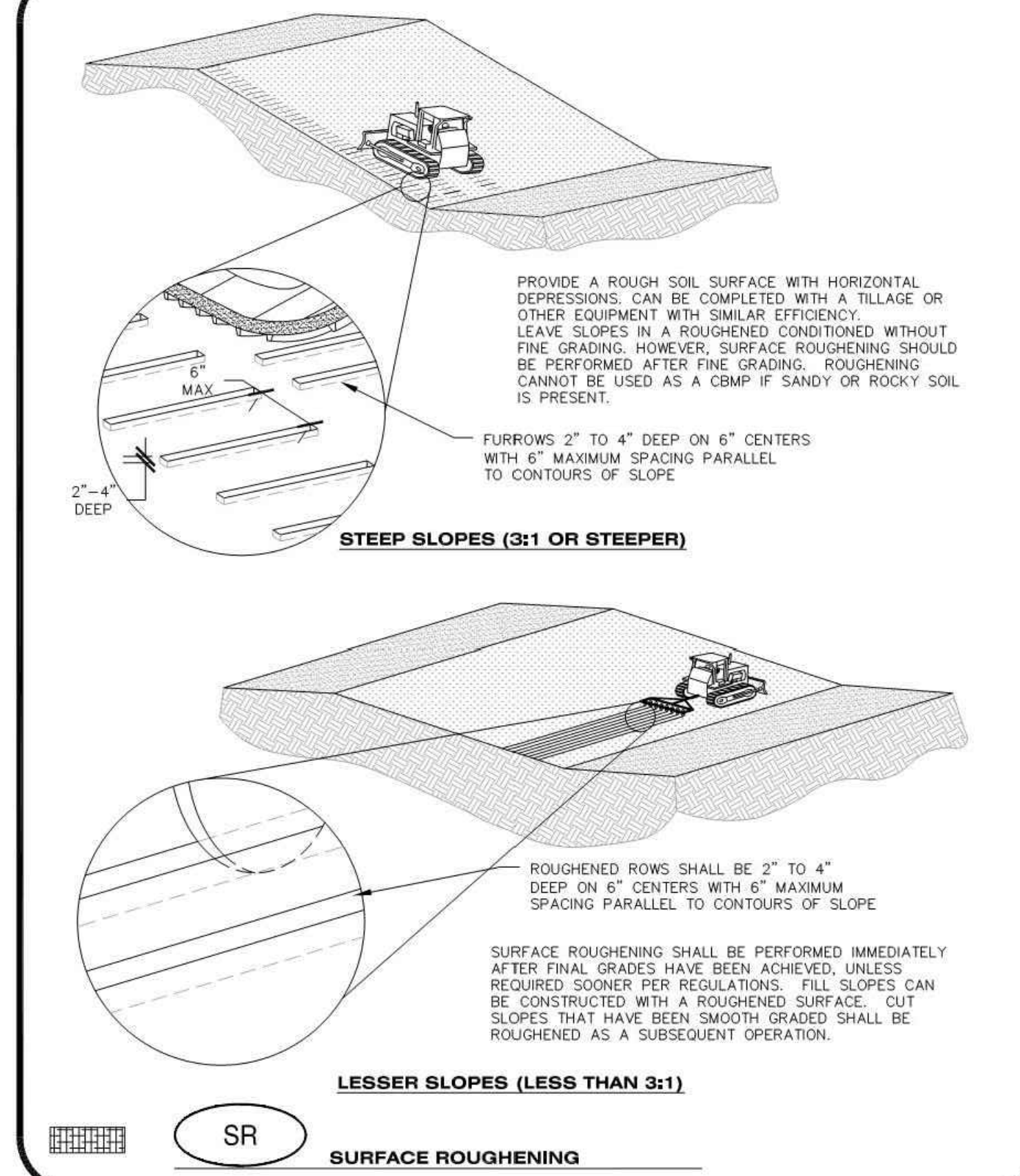
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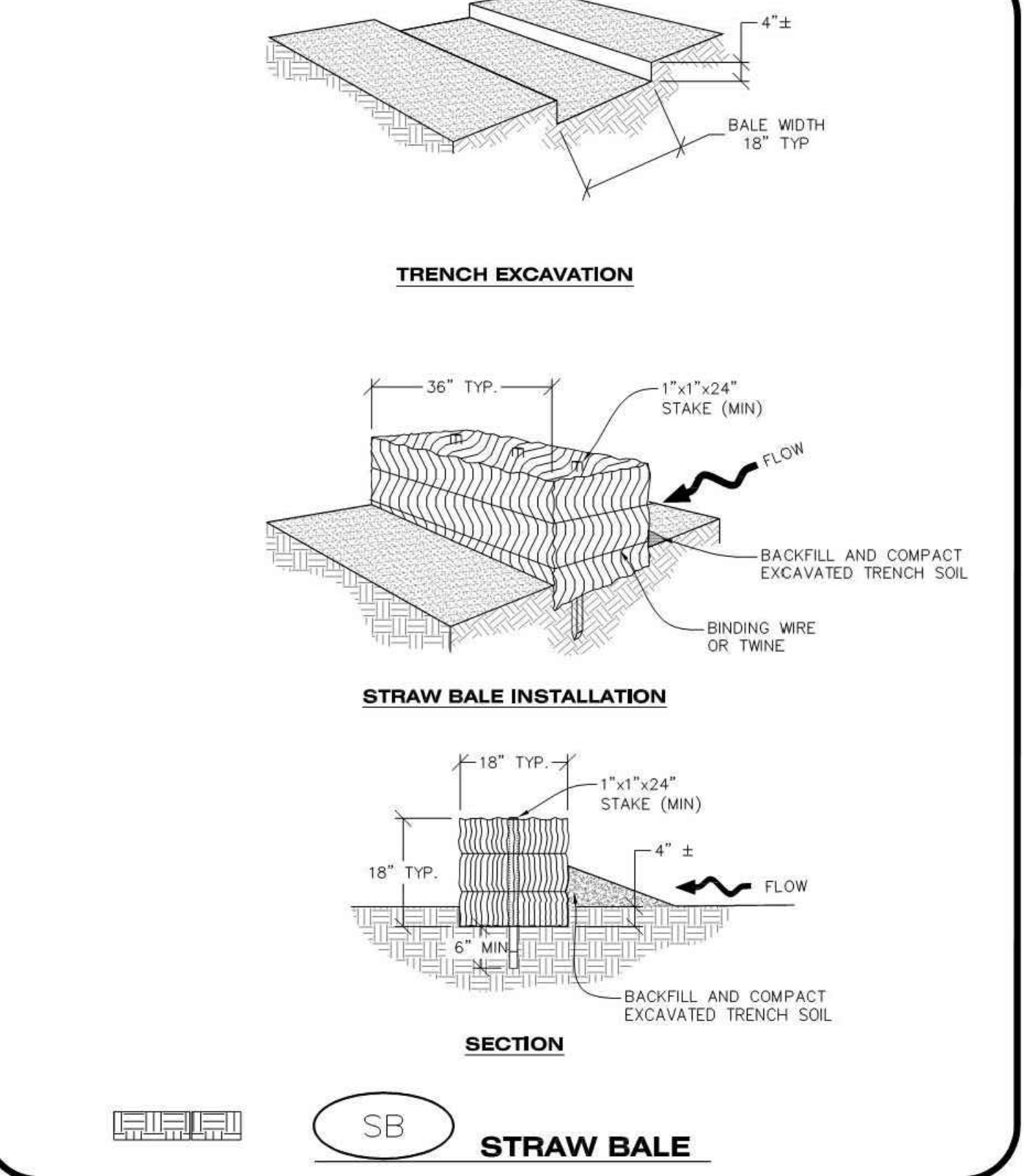
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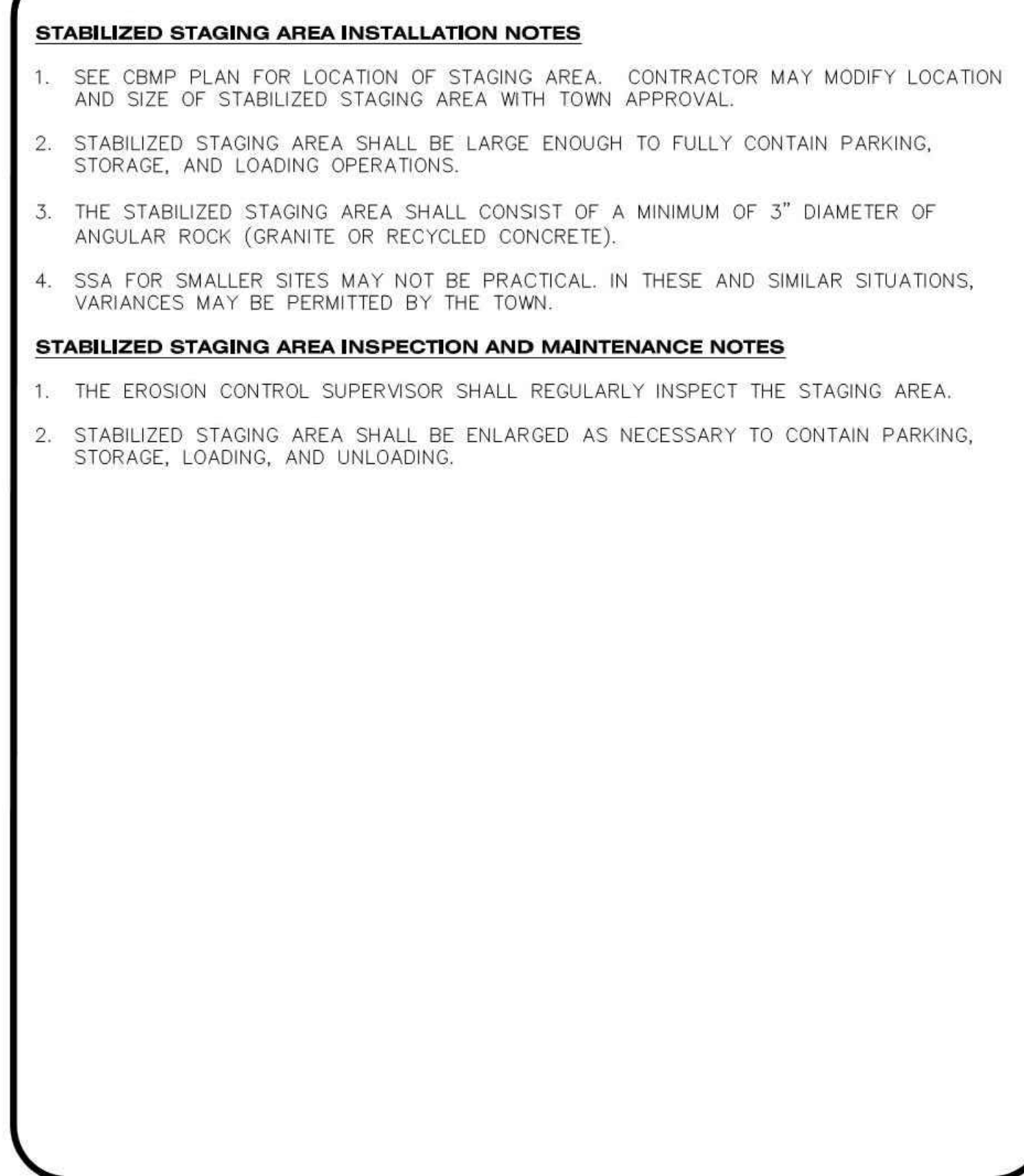
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**CBMP** SR  
CONSTRUCTION BEST MANAGEMENT PRACTICES JUNE 2006



**CBMP** SB  
CONSTRUCTION BEST MANAGEMENT PRACTICES 1 OF 2  
OCT. 2013



**CBMP** SSA  
CONSTRUCTION BEST MANAGEMENT PRACTICES 2 OF 2  
OCT. 2013



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CLIENT NAME: PARKER ADVENTIST HOSPITAL  
PROJECT NAME: PARKER SALT SHED  
9395 CROWN CREST BLVD.  
DRAWING TITLE: EROSION CONTROL DETAILS  
FILE PATH: J:\Jobs\19131 PKR Salt Shed\05 CAD\Plans and Details\C351-EROS-DTL.S.dwg C-361 - 4/10/2020

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DESIGNED BY: MHV  
DRAWN BY: SSM  
CHECKED BY: MHV  
DATE: 12/4/2019  
MIRO JOB NUMBER: 19131  
CLIENT JOB NUMBER: 19131  
DRAWING NUMBER: **C-361**





S.A. MIRO INC.  
CONSULTING ENGINEERS

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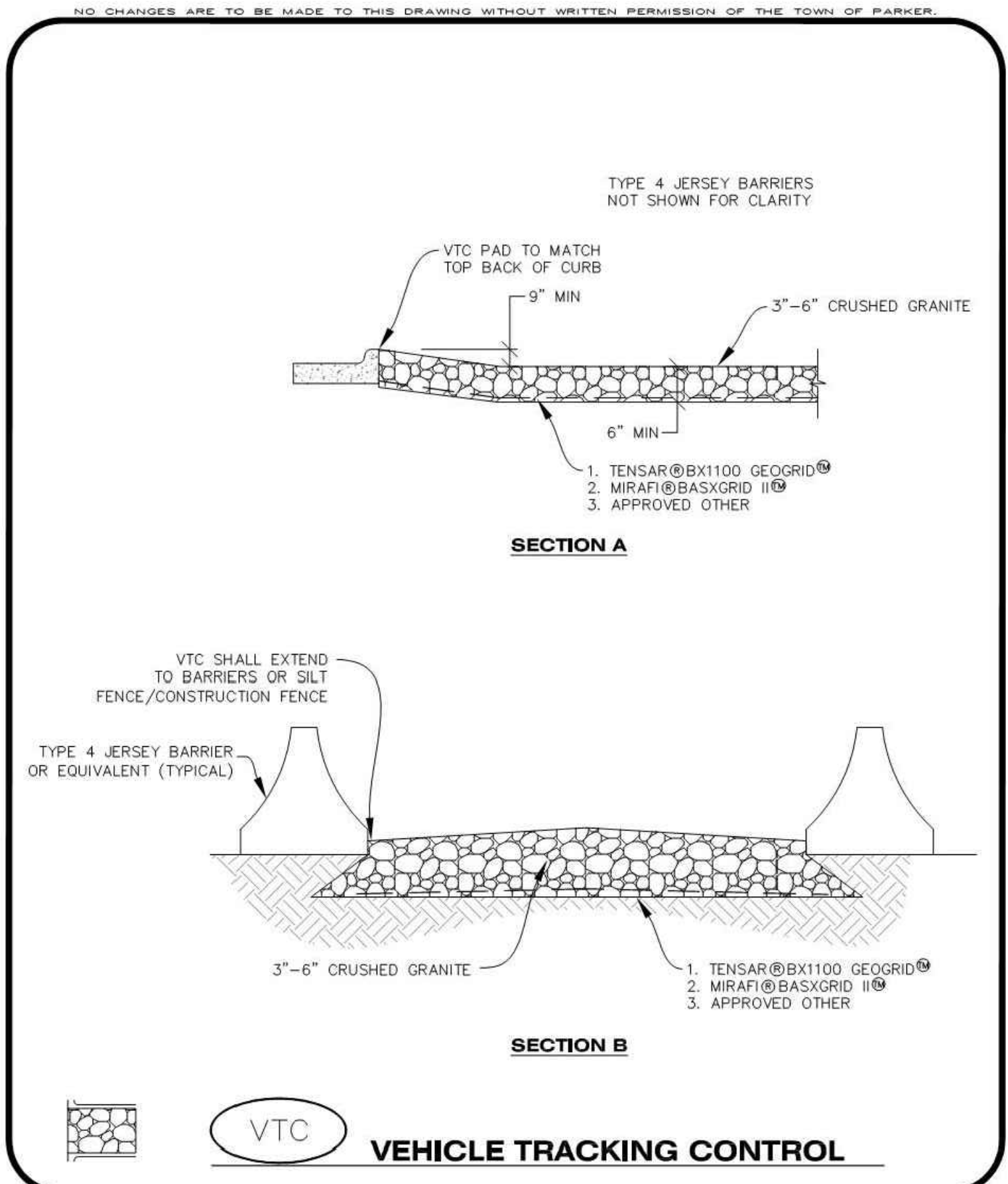
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CLIENT NAME: PARKER ADVENTIST HOSPITAL  
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 9395 CROWN CREST BLVD.  
 DRAWING TITLE: EROSION CONTROL DETAILS  
 FILE PATH: J:\jobs\19131\PKR Salt Shed\05 CAD\Plans and Details\C351-EROS-DTL.S.dwg C-363 - 4/10/2020

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DESIGNED BY: MHV  
 DRAWN BY: SSM  
 CHECKED BY: MHV  
 DATE: 12/4/2019  
 MIRO JOB NUMBER: 19131  
 CLIENT JOB NUMBER: 19131

DRAWING NUMBER:  
**C-363**



**Parker COLORADO** | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | **VTC** 2 OF 3 Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

**TEMPORARY SEDIMENT BASIN INSTALLATION NOTES**

- SEE CBMP PLAN FOR LOCATION(S) OF SEDIMENT BASIN(S).
- THE TEMPORARY SEDIMENT BASIN(S) SHALL BE INSTALLED AND FUNCTIONING PRIOR TO ANY OTHER GRADING ACTIVITIES.
- THE EXACT DIMENSIONS AND DETAILS OF THE TEMPORARY SEDIMENT BASIN SHALL BE DETERMINED BY THE DESIGN ENGINEER, IN ACCORDANCE WITH UDFCD VOLUME 3, AS AMENDED.
- EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3" AND SHALL HAVE A MINIMUM OF 15% BY WEIGHT PASSING THE NO. 200 SIEVE.
- EMBANKMENT MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% DENSITY, AND WITHIN +/- 2% OF OPTIMUM MOISTURE IN ACCORDANCE WITH ASTM D698.
- AN APPROPRIATELY SIZED DEWATERING BAG SHALL BE SECURED TO THE END OF THE DISCHARGE PIPE. THE DEWATERING BAG SHALL BE REPLACED ONCE SEDIMENT ACCUMULATION REACHES 50%.

**TEMPORARY SEDIMENT BASIN INSPECTION AND MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE TEMPORARY SEDIMENT BASIN.
- ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT REACHES A DEPTH OF 2.0', OR WITHIN 2.0' OF THE SPILLWAY CREST, OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.
- SEDIMENT BASINS SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL UPSTREAM VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR.

**Parker COLORADO** | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | **TSB** 3 OF 3 Oct. 2013

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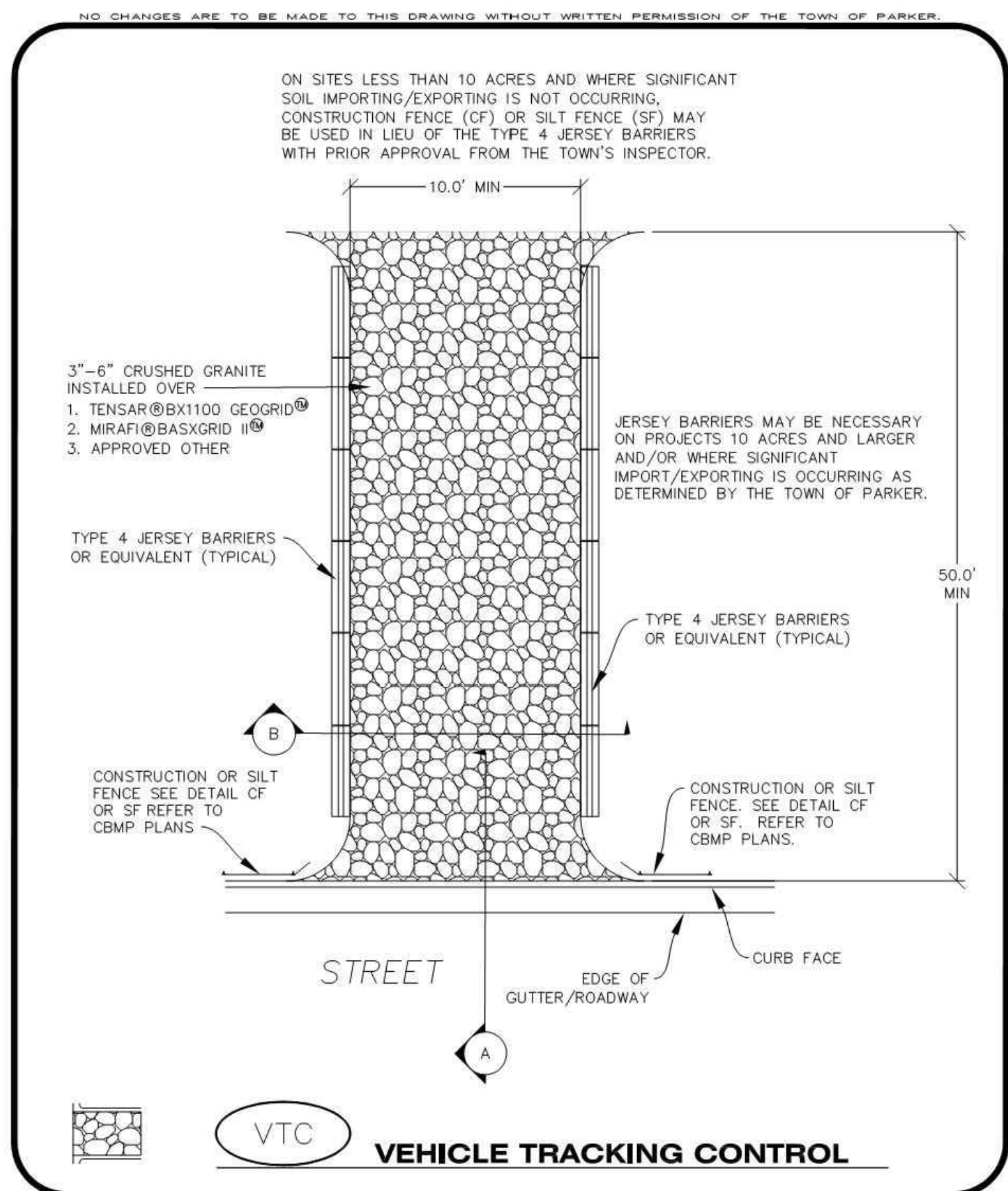
**VEHICLE TRACKING CONTROL PAD INSTALLATION NOTES**

- SEE CBMP PLAN FOR LOCATION(S) OF VEHICLE TRACKING CONTROL PAD(S).
- ALL CONSTRUCTION TRAFFIC MUST ENTER AND EXIT THE SITE THROUGH THE APPROVED ACCESS POINT(S). A VEHICLE TRACKING CONTROL PAD IS REQUIRED AT ALL APPROVED ACCESS POINTS TO THE SITE. EXCEPTIONS MAY BE CONSIDERED FOR CONSTRUCTION ACTIVITY OCCURRING IMMEDIATELY ADJACENT TO PAVED AREAS AND WHERE ALTERNATIVE BMP'S ARE IMPLEMENTED. SUCH ACTIVITY MAY INCLUDE, BUT NOT BE LIMITED TO RESIDENTIAL CONSTRUCTION, UTILITY CONSTRUCTION, ETC.
- THE VEHICLE TRACKING CONTROL PAD(S) INDICATED ON CBMP PLAN SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- VEHICLE TRACKING CONTROL PADS SHALL BE A MINIMUM OF 50-FOOT LONG AND 10-FOOT WIDE, UNLESS A VARIANCE HAS BEEN GRANTED BY THE TOWN'S INSPECTOR.
- A BIAXIAL GEO-GRID SHALL BE PLACED UNDER THE VEHICLE TRACKING CONTROL PAD PRIOR TO THE PLACEMENT OF ROCK. THE AREA SHALL BE FREE FROM ANY VOIDS, ROCKS AND DEBRIS. THE BIAXIAL GEO-GRID SHALL BE TENSAR BX1100, MIRAFI BASXGRID II, OR AN APPROVED EQUAL. GEO-GRID SHALL BE PLACED, AND APPROPRIATELY OVERLAPPED IF NECESSARY, TO COVER THE ENTIRE LENGTH AND WIDTH OF THE VEHICLE TRACKING CONTROL PAD.
- CRUSHED ROCK SHALL BE A MINIMUM OF 3-6" GRANITE WITH A FRACTURED FACE (ALL SIDES).

**VEHICLE TRACKING CONTROL PAD INSTALLATION AND MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE VEHICLE TRACKING CONTROL PAD.
- WHEN THE VEHICLE TRACKING CONTROL PAD IS REMOVED, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE VEHICLE TRACKING CONTROL PAD SHALL BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).
- THE VEHICLE TRACKING CONTROL PAD SHALL BE MAINTAINED SUCH THAT THE ROCK REMAINS RELATIVELY LOOSE AND ACCUMULATED MUD AND OTHER DEBRIS IS REGULARLY REMOVED.

**Parker COLORADO** | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | **VTC** 3 OF 3 Oct. 2013



**Parker COLORADO** | **CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | **VTC** 1 OF 3 Oct. 2013