



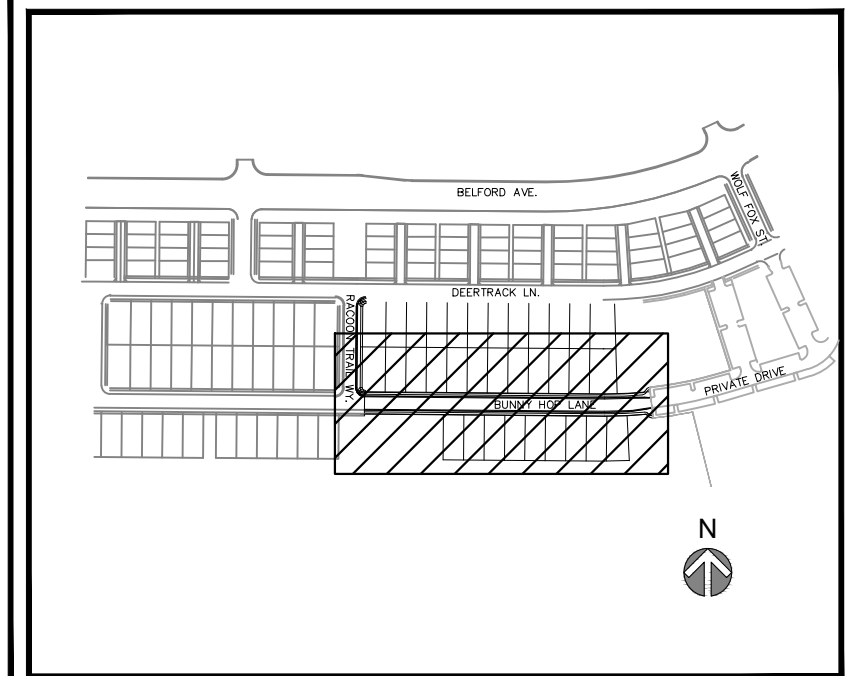
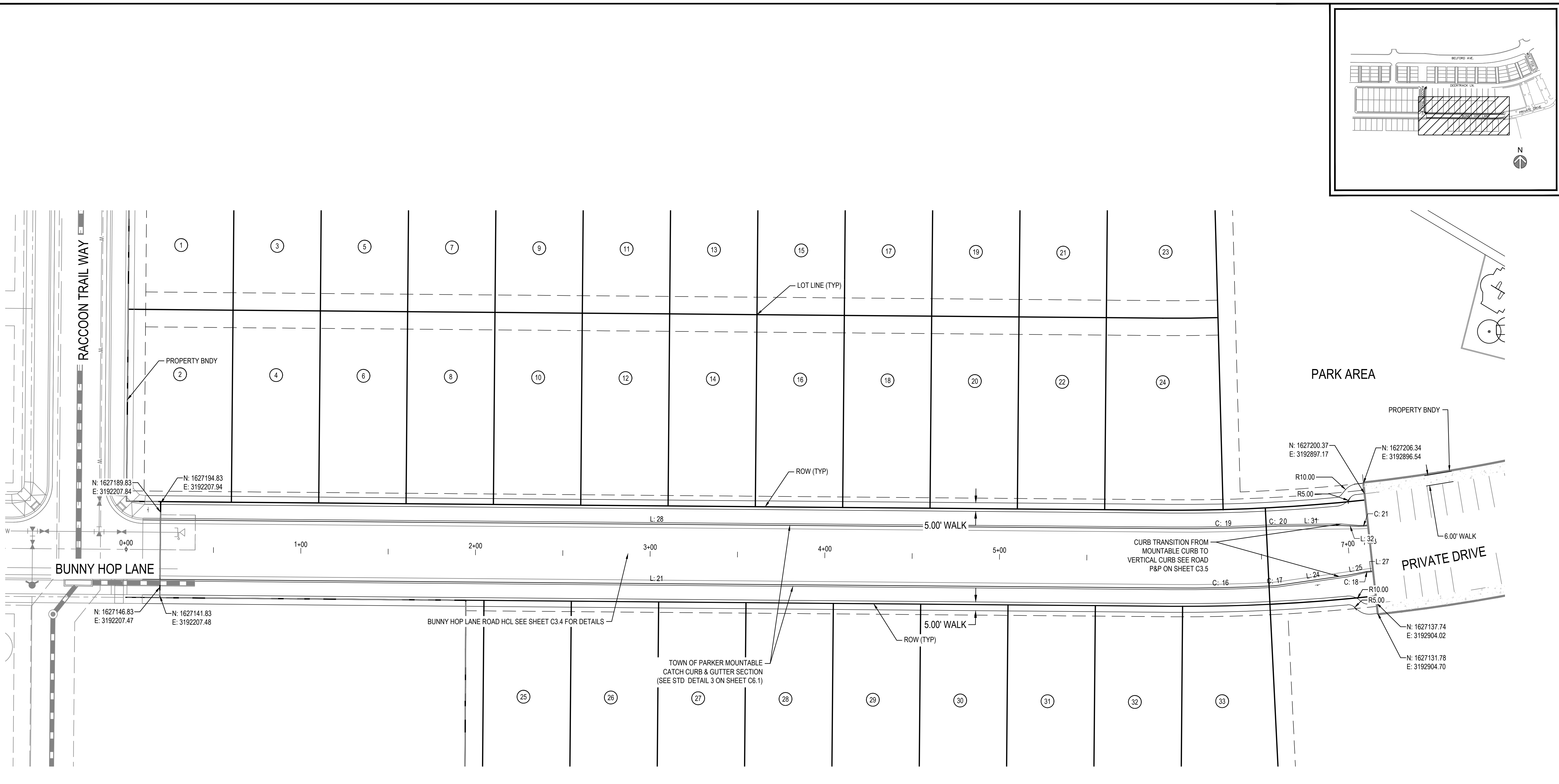




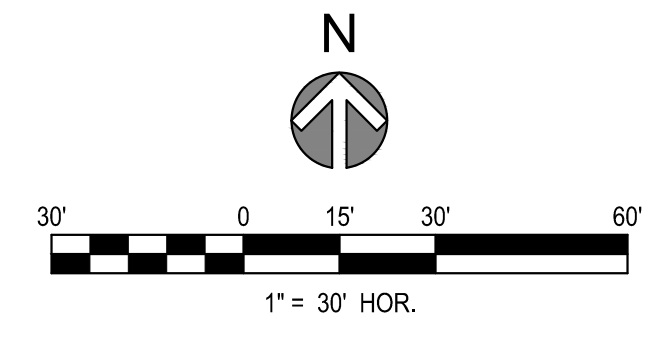


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File Location: D:\DEN\Projects\0950-C00 Compark\_South\CAD\CDS\SF-P\CP\0950-HORIZONTAL CONTROL-SF.dwg Plot Date: 12/22/2022 7:31 AM Last Saved By: TVANGORDON



NOTES:  
1. ALL LINE AND CURVE LABELS ARE FLOW LINE UNLESS OTHERWISE NOTED.



LINE TABLE		
LINE #	BEARING	LENGTH
L: 21	S89° 30' 35"E	588.43'
L: 24	N81° 44' 35"E	39.69'
L: 25	N78° 52' 50"E	10.01'
L: 27	N83° 50' 31"E	2.59'
L: 28	S89° 30' 35"E	588.43'
L: 31	N89° 28' 29"E	34.97'
L: 32	S87° 39' 57"E	10.02'

CURVE TABLE						
CURVE #	LENGTH	DELTA	RADIUS	CRD LENGTH	CRD RADIUS	
C: 16	57.73'	3° 19' 04"	997.00'	57.73	N88° 49' 53"E	
C: 17	4.93'	5° 25' 46"	52.00'	4.93	N84° 27' 28"E	
C: 18	1.83'	2° 05' 56"	50.00'	1.83	N82° 47' 33"E	
C: 19	60.40'	3° 35' 37"	963.00'	60.39	N88° 41' 36"E	
C: 20	2.34'	2° 34' 41"	52.00'	2.34	N88° 11' 08"E	
C: 21	5.32'	4° 01' 27"	75.77'	5.32	N86° 59' 06"E	

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Town of Parker, Director of Engineering/Public Works Date



**MERRICK**  
Engineering / Architecture / Design-Build / Surveying / Planning / Geospatial Solutions  
5970 GREENWOOD PLAZA BLVD, GREENWOOD VILLAGE, CO. 80111  
303-751-0741  
www.merrick.com



REV	REVISION DESCRIPTION	DATE	CHKD	CHKD	APPR

**COMPARK VILLAGE SOUTH**  
PRIVATE IMPROVEMENT  
CONSTRUCTION PLANS  
HORIZONTAL CONTROL

ISSUED FOR REVIEW

FOR AND ON BEHALF OF MERRICK & COMPANY

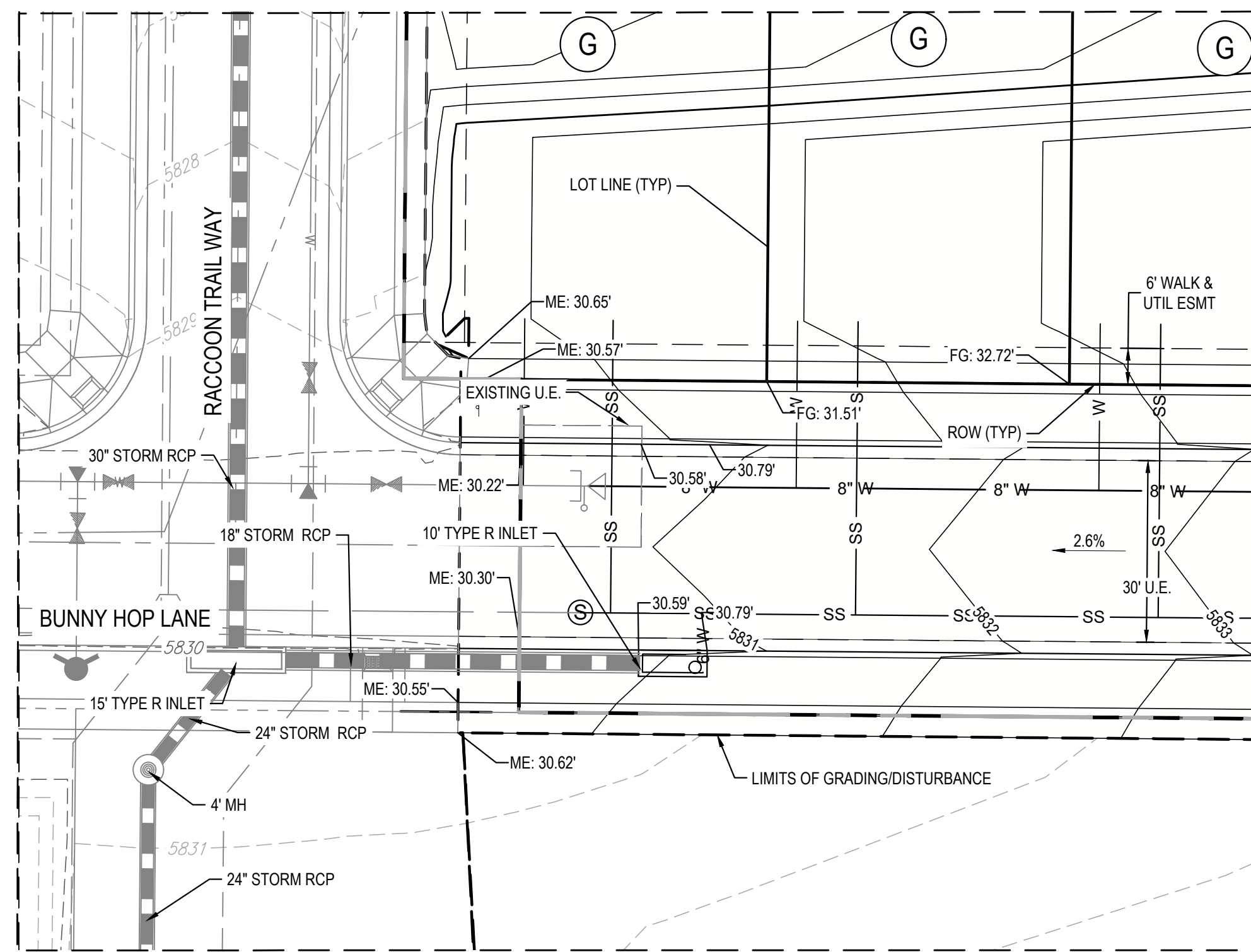
JOB NUMBER: 65120350  
DATE: 11/09/2022  
SHEET: C2-1  
04



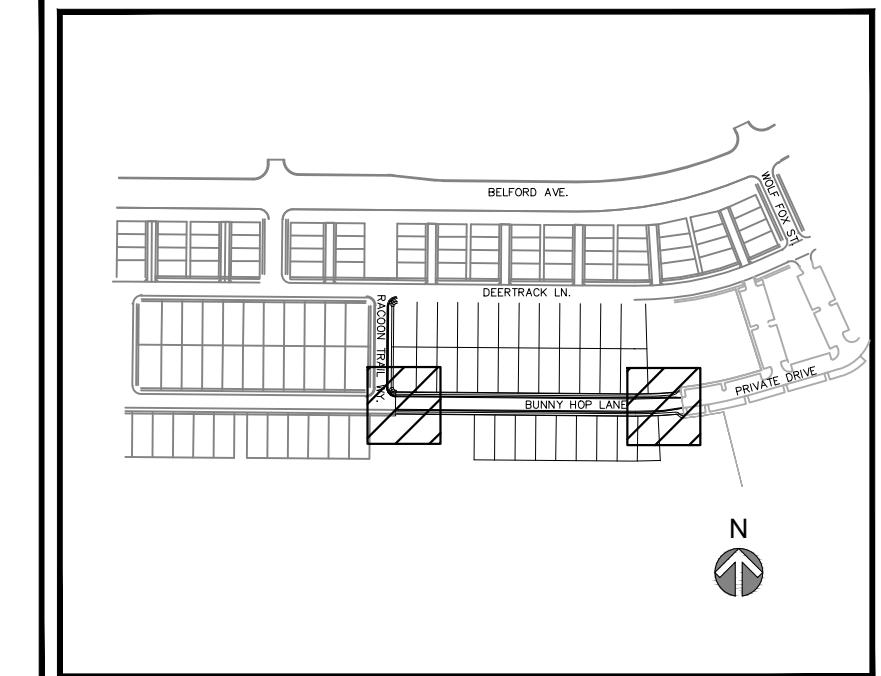
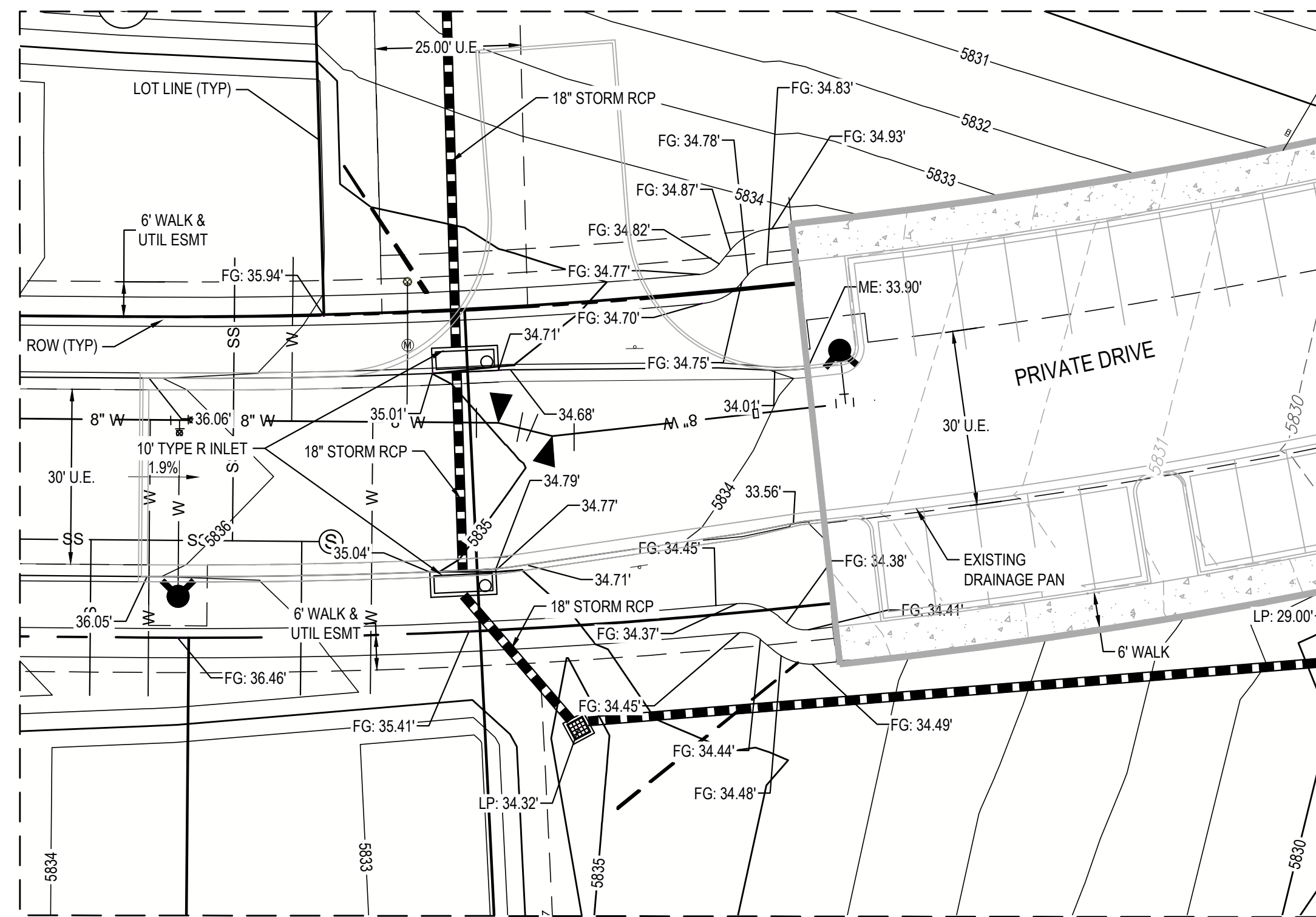
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VIEW A (SEE SHEET C3.0 FOR OVERALL GRADING)

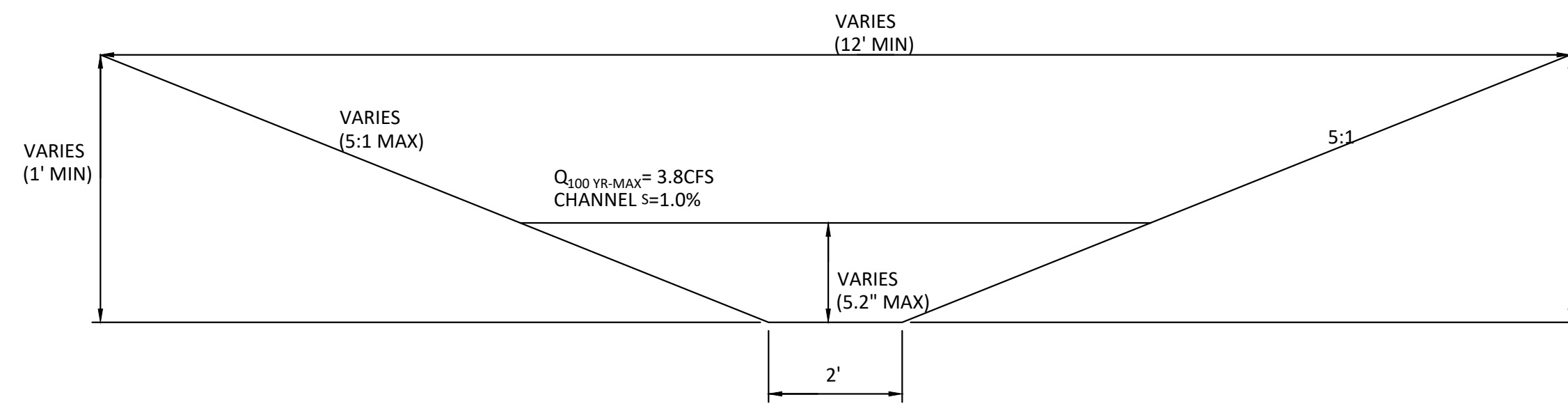
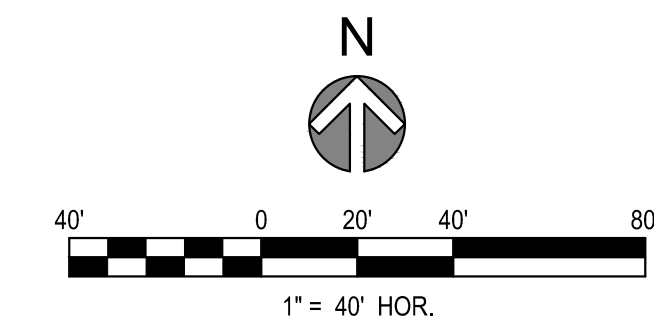


VIEW B (SEE SHEET C3.0 FOR OVERALL GRADING)

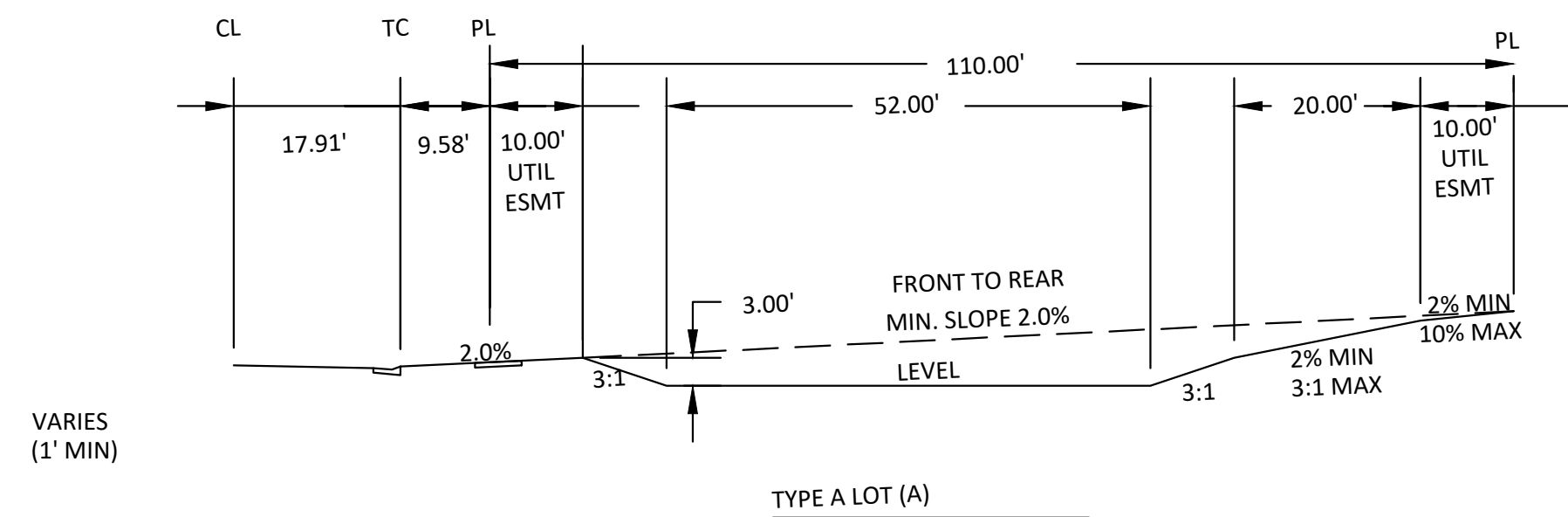


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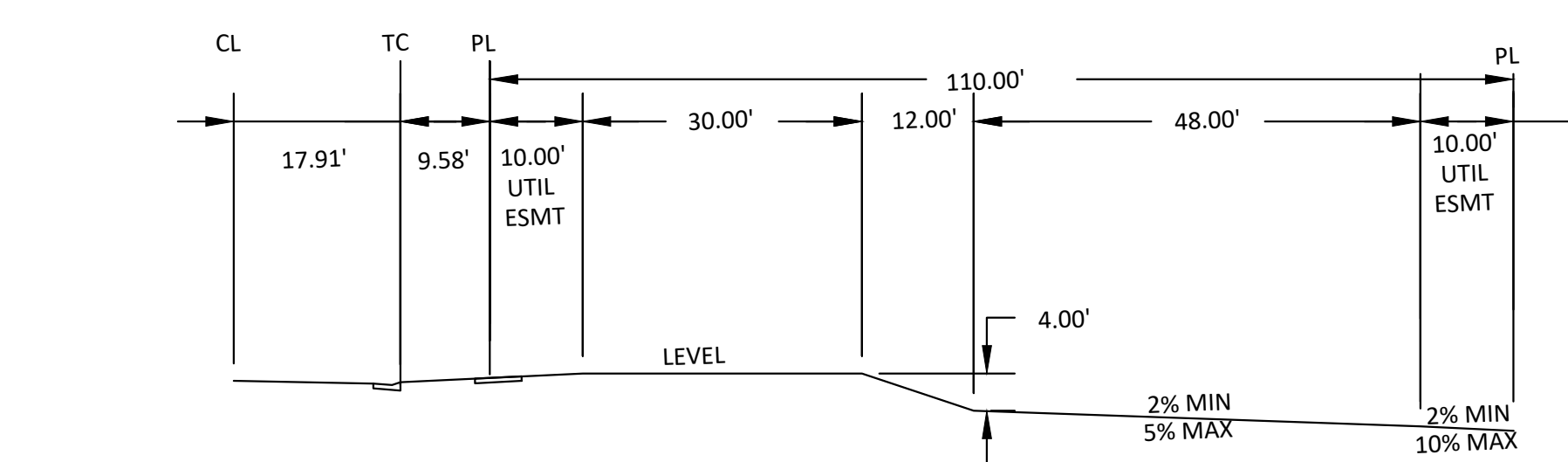
- SEE SHEET C0.0 FOR LEGEND AND ABBREVIATIONS.
- SEE SHEET C0.1 FOR GENERAL NOTES.
- ALL ELEVATIONS ARE TO FLOW LINE UNLESS OTHERWISE NOTED
- BACK LOT SWALE DETAIL TO BE REVISED WHEN DRAINAGE & GRADING DESIGN IS COMPLETED.



BACK LOT SWALE



TYPE A LOT (A)



GARDEN LOT (G)

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Town of Parker, Director of Engineering/Public Works Date



REV	REVISION DESCRIPTION	DATE	CHKD	APPR

COMPARK VILLAGE SOUTH  
PRIVATE IMPROVEMENT  
CONSTRUCTION PLANS  
OVERLOT GRADING PLAN

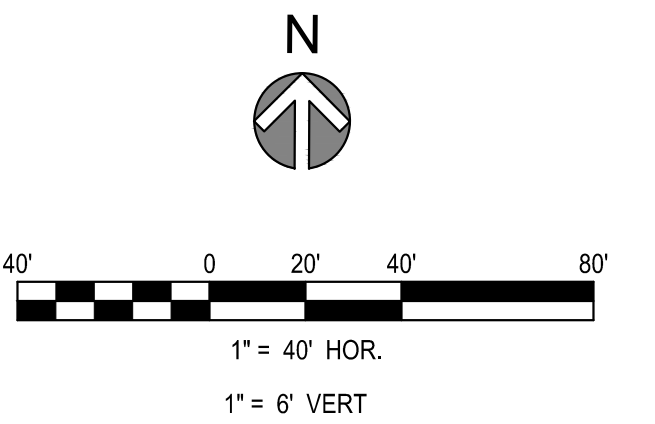
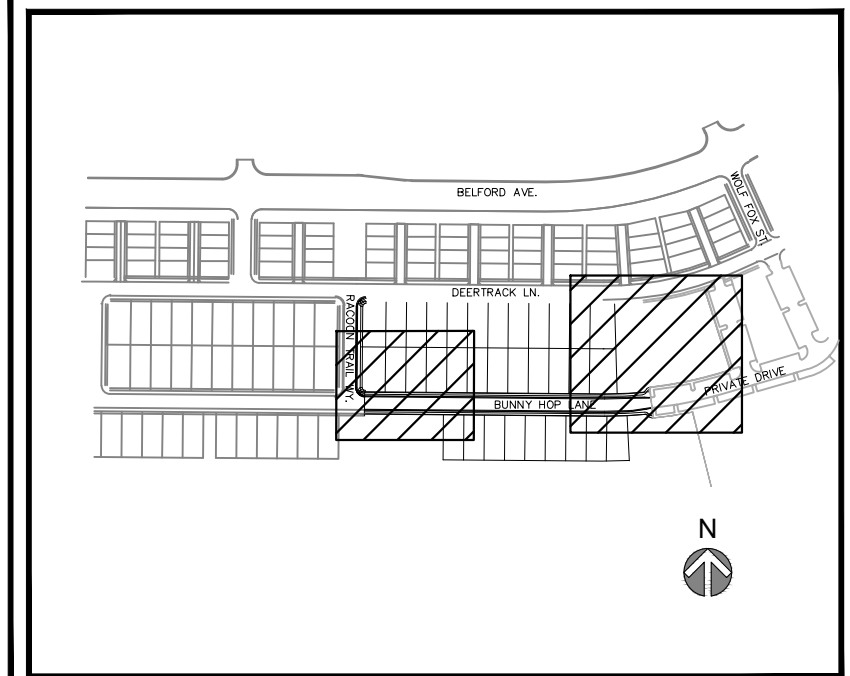
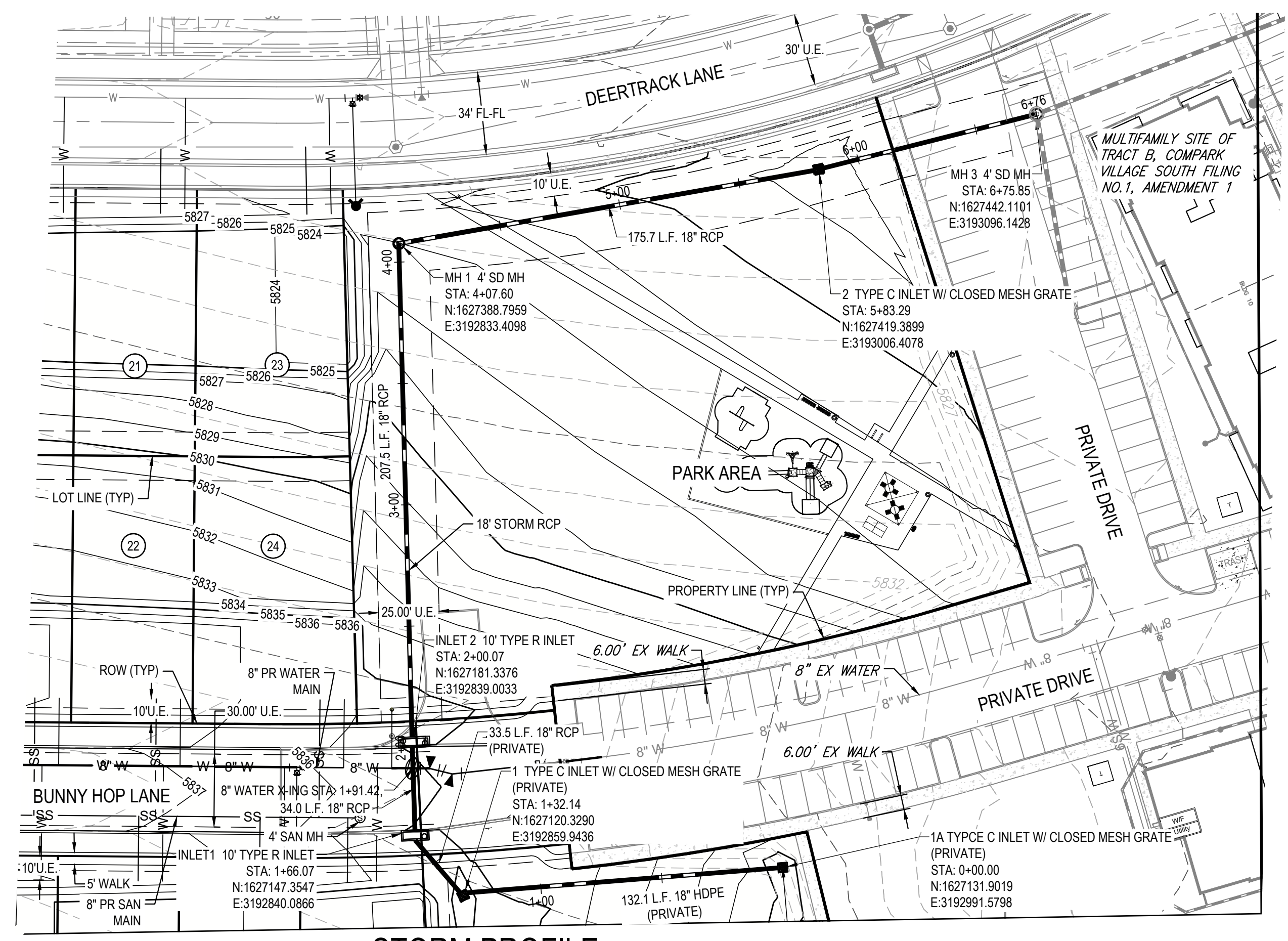
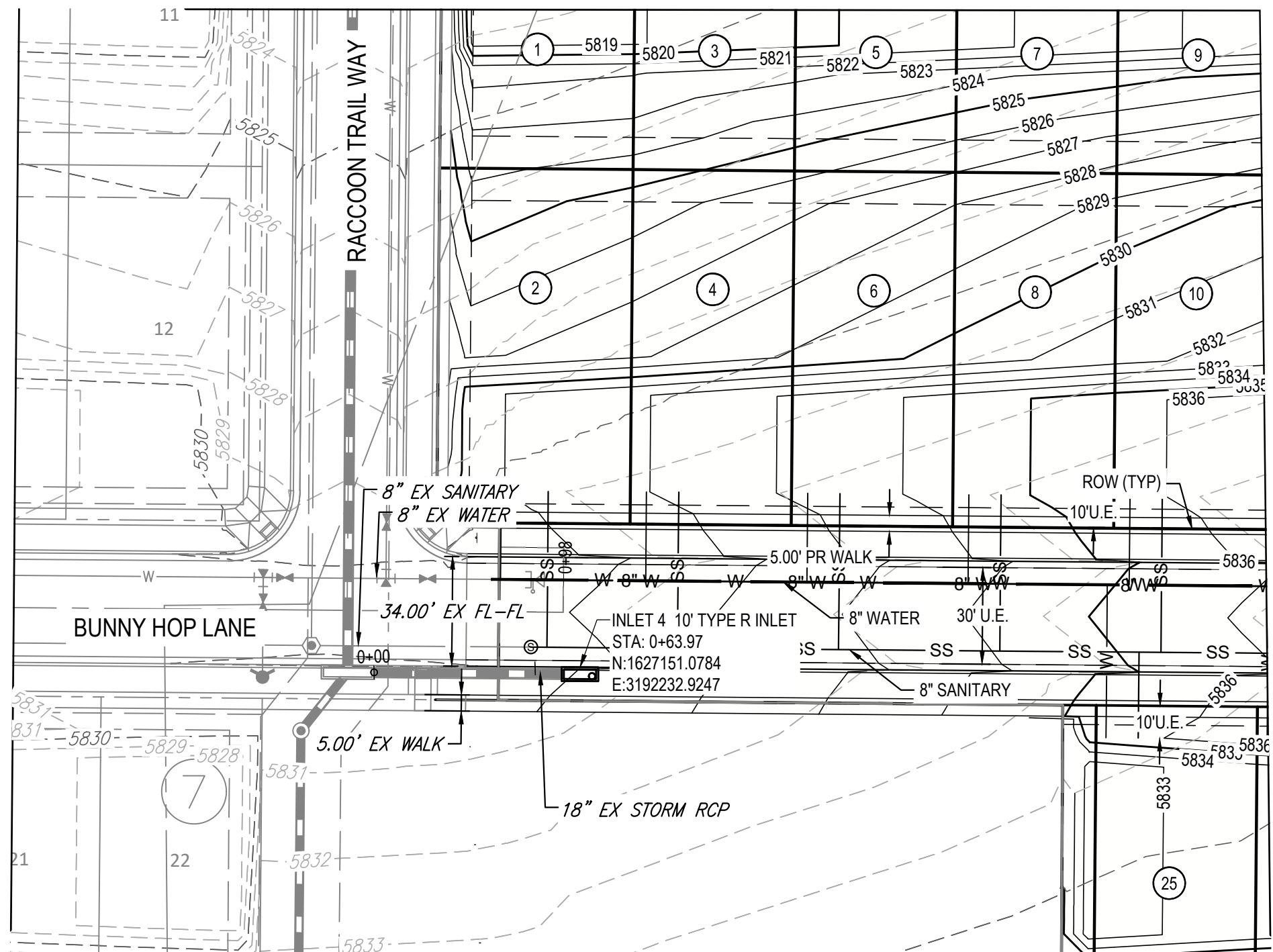
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JOB NUMBER: 65120350  
DATE: 11/09/2022  
SHEET: C3-1  
06



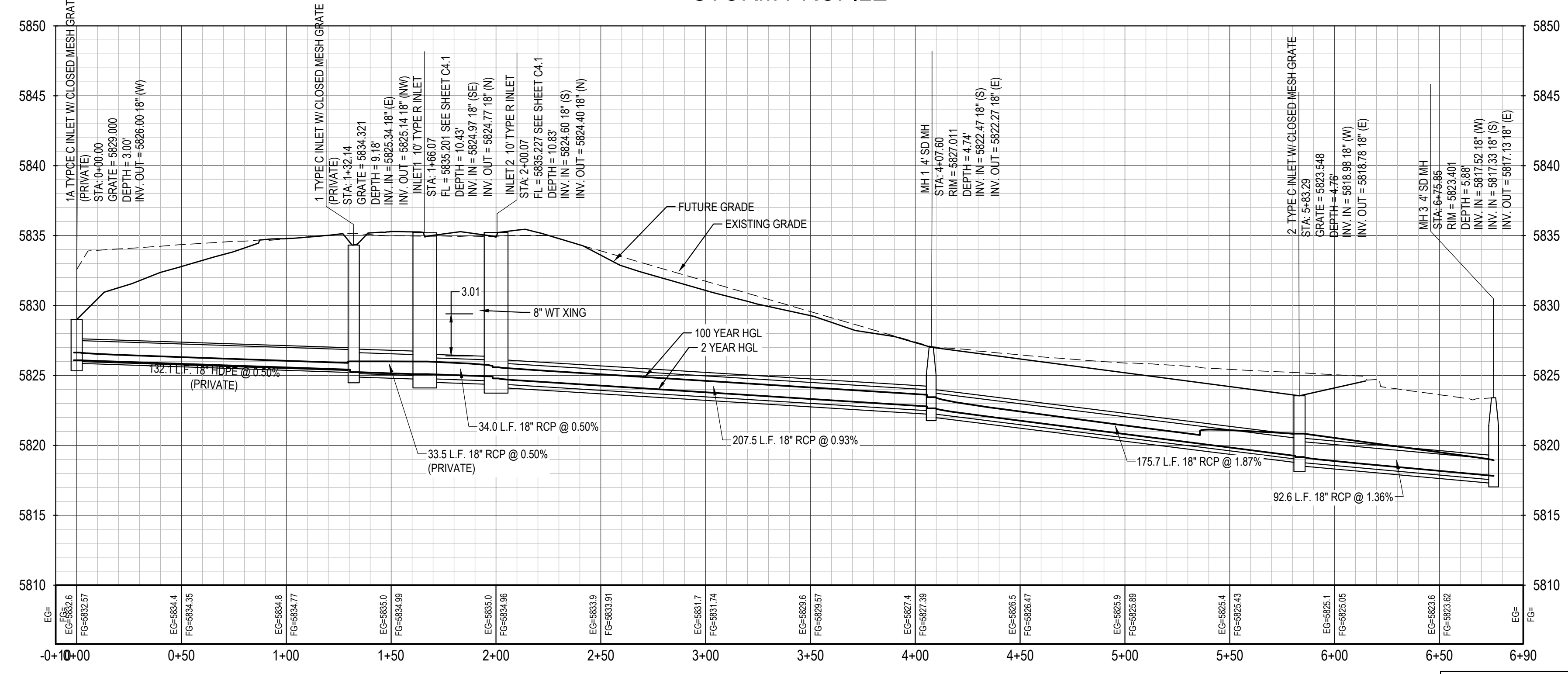
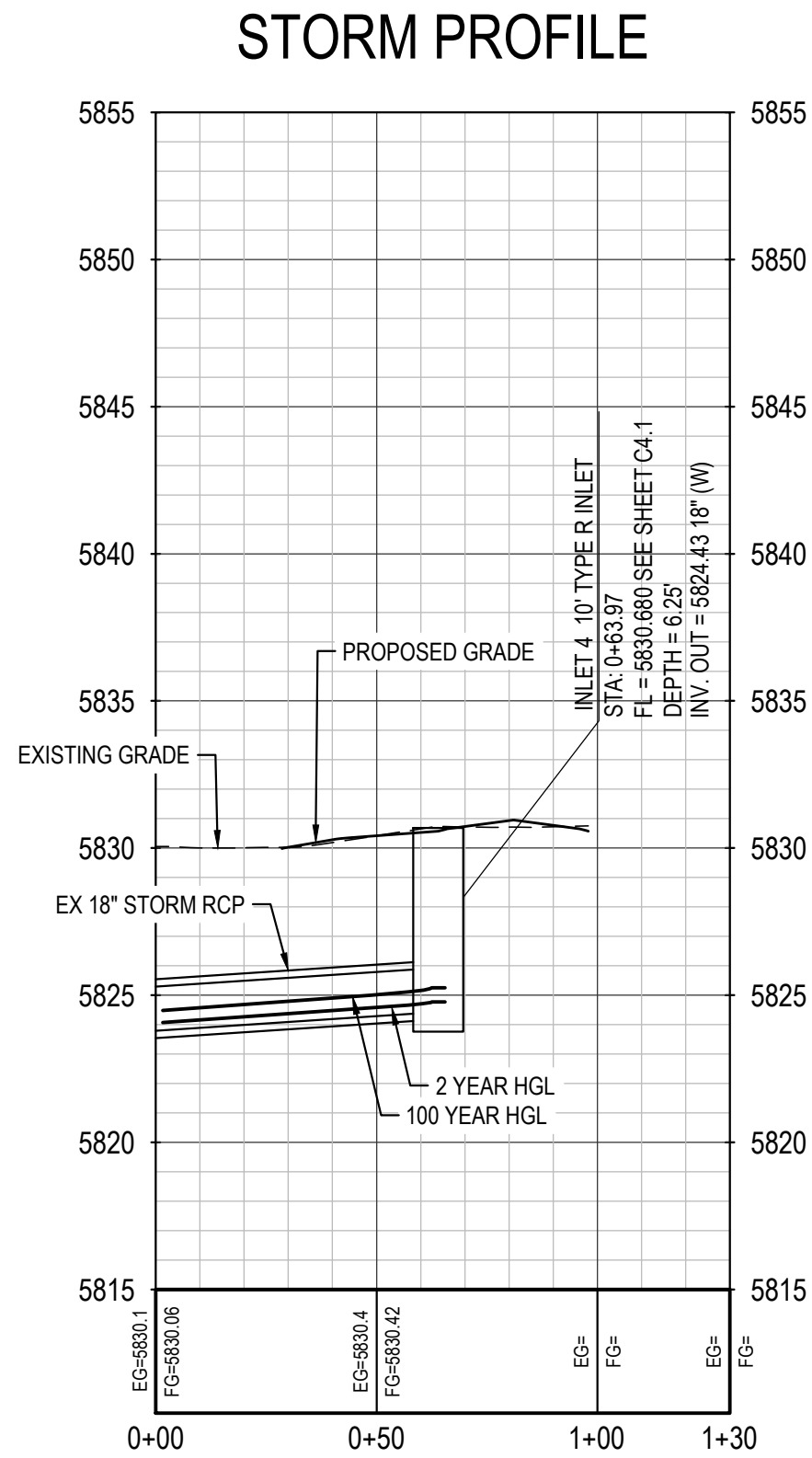


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- NOTES:**
1. ALL STATIONING & PIPE LENGTHS ARE TO CENTER OF STRUCTURE. ALL STATIONING AT INLET AT TC.
  2. ALL RCP TO BE CLASS III UNLESS SPECIFIED OTHERWISE.
  3. CONTRACTOR TO VERIFY LOCATION/ELEVATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
  4. ALL MANHOLES TO HAVE 48" INNER DIAMETER.
  5. DETENTION POND AND OUTFALL TO BE CONSTRUCTED BY OTHERS.
  6. ALL STORM SEWER IS PRIVATE UNLESS OTHERWISE NOTED.

**STORM PROFILE**



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Town of Parker, Director of Engineering/Public Works Date

File Location: D:\DEN\Projects\0950-C0 Compark South\CAD\CDS\SF-P\PCP\0950-STRM PLAN & PROFILE-SF.dwg Plot Date: 12/22/2022 10:07 AM Last Saved By: KBLACK



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**COMPARK VILLAGE SOUTH**  
PRIVATE IMPROVEMENT  
CONSTRUCTION PLANS  
STRM PLAN & PROFILE

ISSUED FOR REVIEW

JOB NUMBER	65120350
DATE	11/09/2022
SHEET	C3.3
	08





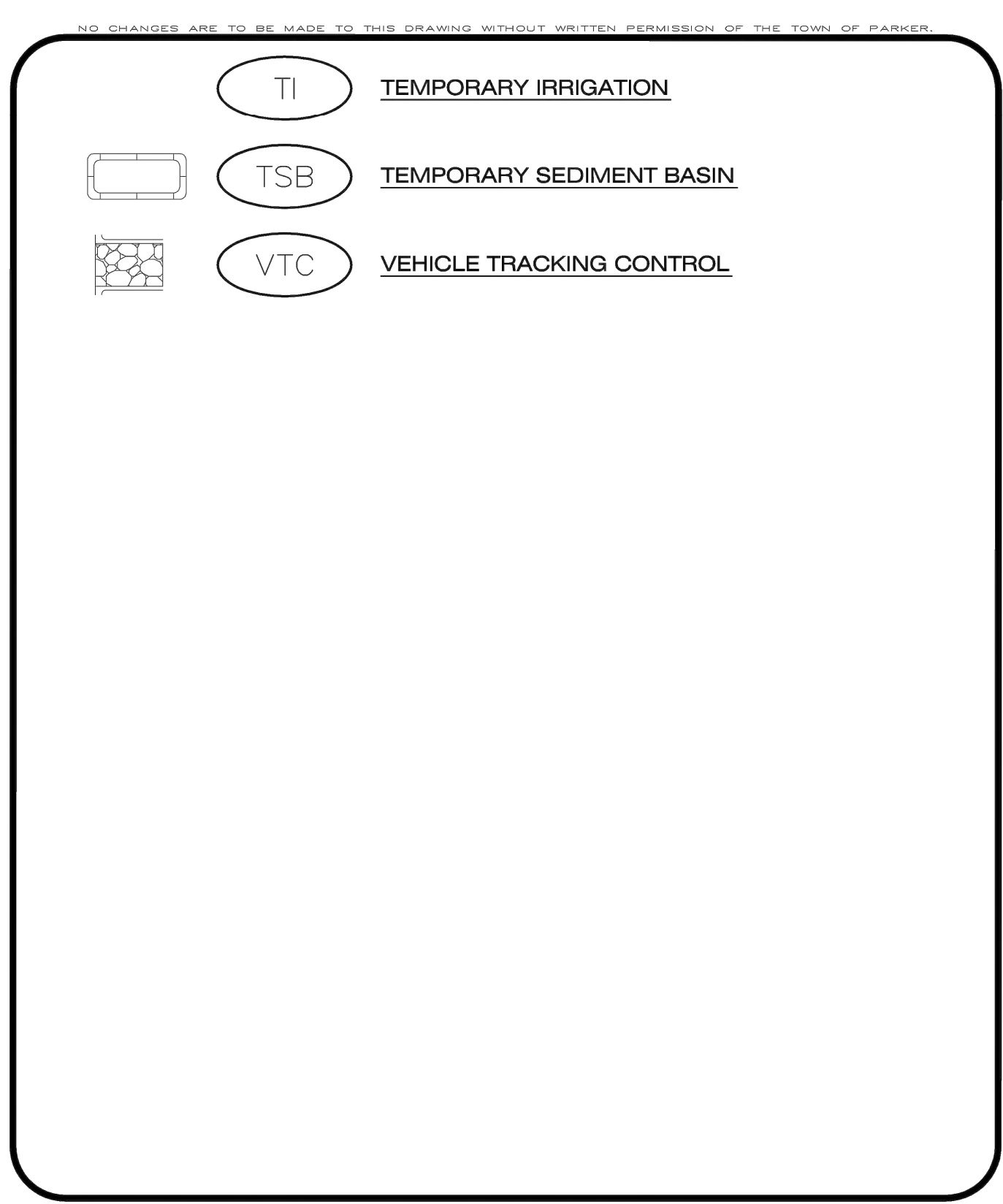






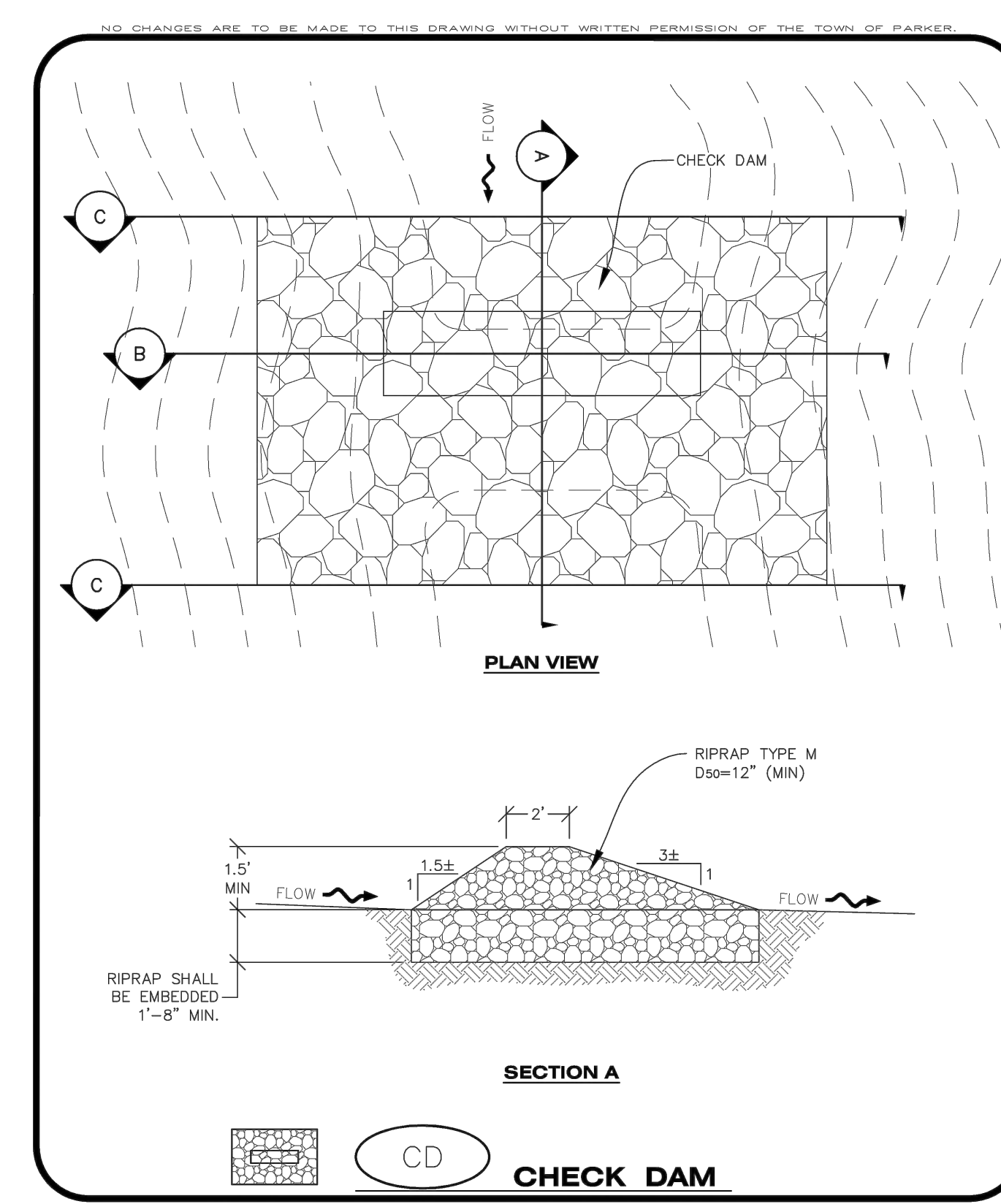


THE USE OF ANY CHECK DAM, SEDIMENT BASKET, OR OTHER EROSION CONTROL DEVICE IS AN INSTRUMENT OF SERVICE PROVIDED BY MERRICK AND COMPANY, FOR A FEE. MERRICK AND COMPANY SHALL NOT BE RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF ANY SUCH DEVICE. THE USER OF ANY SUCH DEVICE SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. MERRICK AND COMPANY SHALL NOT BE RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF ANY SUCH DEVICE. THE USER OF ANY SUCH DEVICE SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.



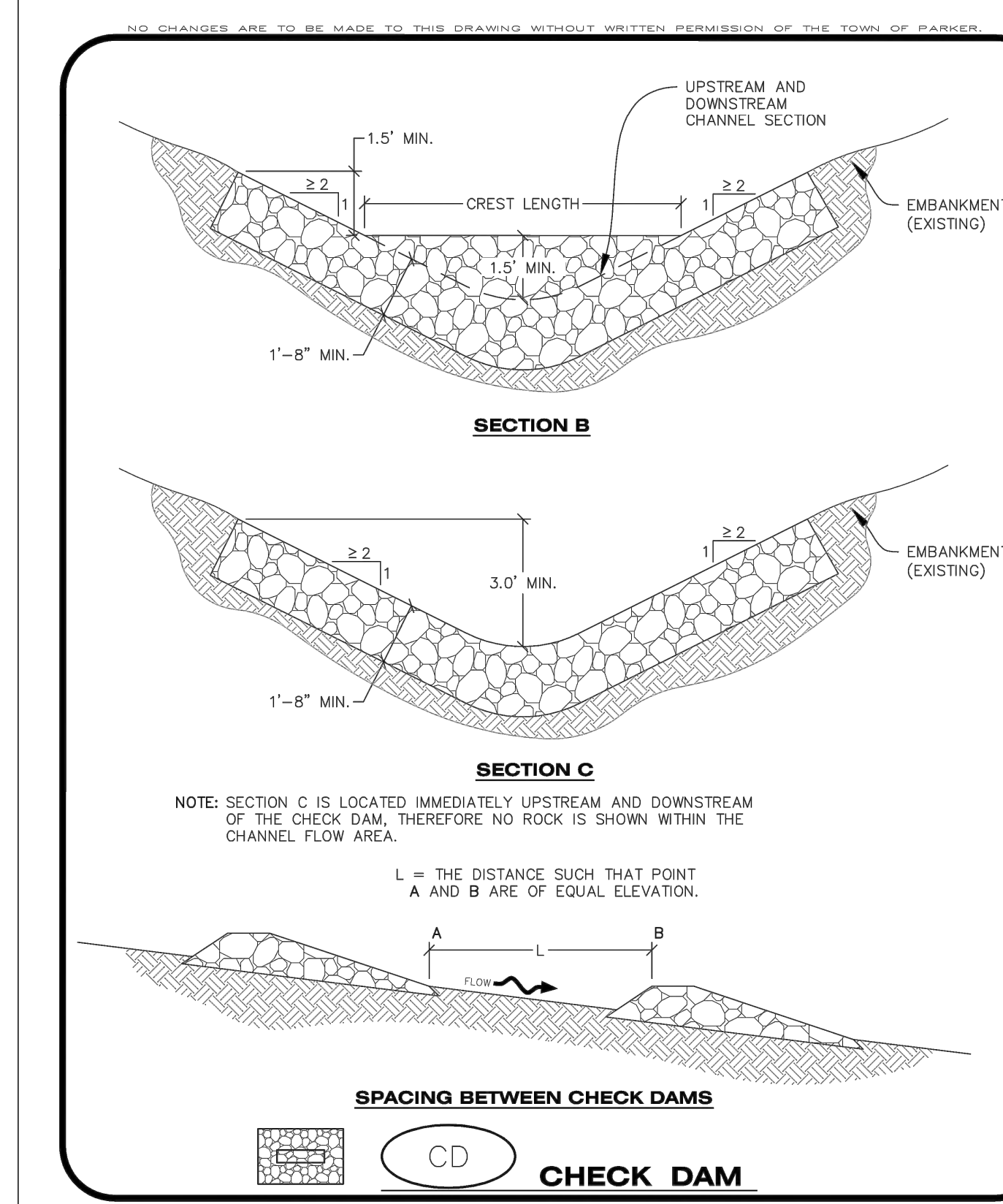
**CBMP**  
 CONSTRUCTION BEST MANAGEMENT PRACTICES

**LEGEND**  
 3 OF 3  
 Oct. 2013



**CBMP**  
 CONSTRUCTION BEST MANAGEMENT PRACTICES

**CD**  
 1 OF 3  
 Oct. 2013



**CBMP**  
 CONSTRUCTION BEST MANAGEMENT PRACTICES

**CD**  
 2 OF 3  
 Oct. 2013

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**CHECK DAM INSTALLATION NOTES**

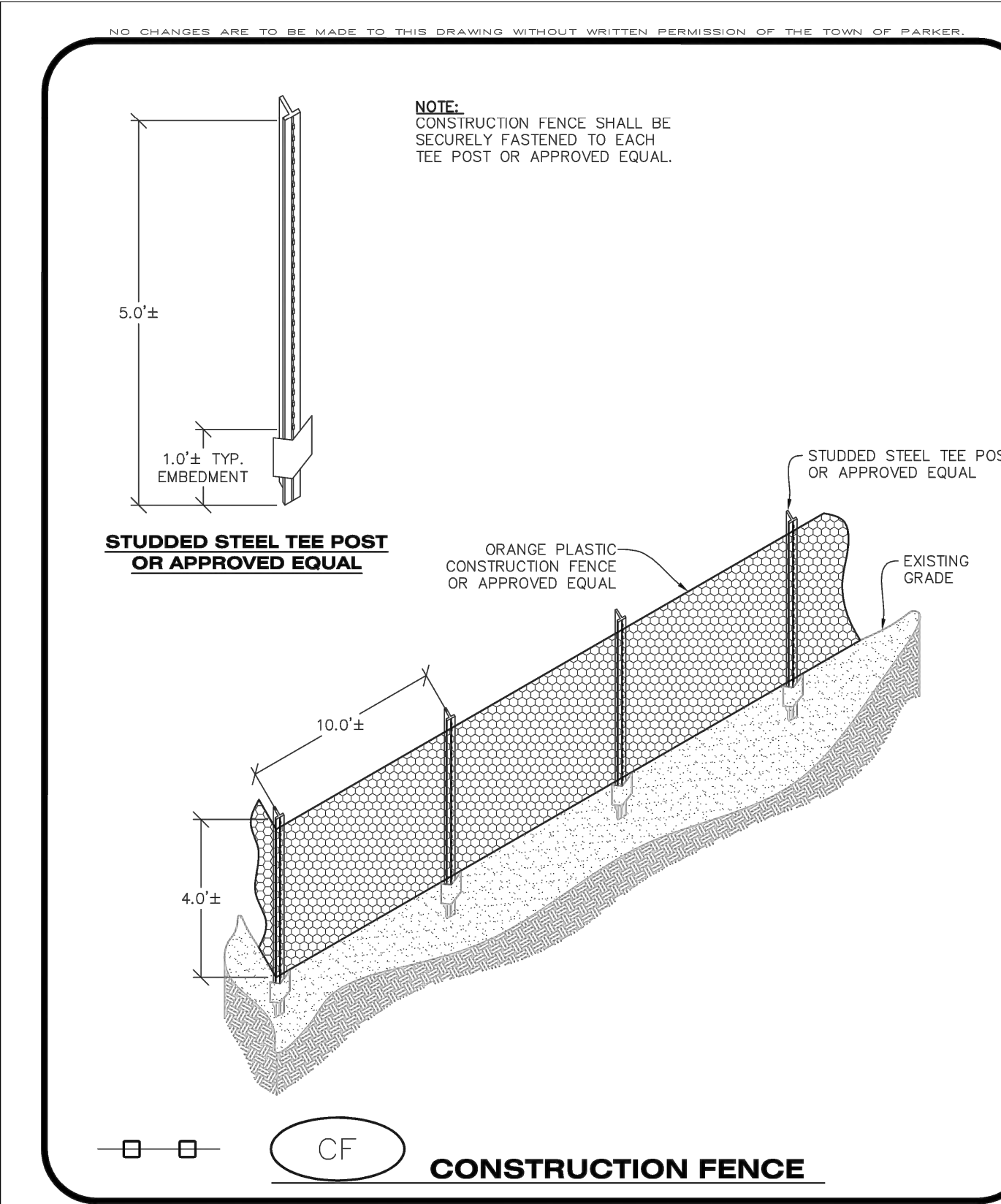
- SEE PLAN VIEW FOR LOCATION(S) OF CHECK DAMS.
- CHECK DAMS SHOWN ON CBMP PLAN SHALL BE INSTALLED WHEN DIRECTED BY THE TOWN'S INSPECTOR.
- RIPRAP UTILIZED FOR CHECK DAMS SHALL HAVE A D50 MEDIAN STONE SIZE OF 12".
- RIPRAP PAD SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 1'-8".
- THE MAXIMUM SPACING 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**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE CHECK DAMS.
- 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.
- 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.
- 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).
- IN SOME INSTANCES, CHECK DAMS MAY REMAIN IN PLACE PERMANENTLY.

**CBMP**  
 CONSTRUCTION BEST MANAGEMENT PRACTICES

**CD**  
 3 OF 3  
 Oct. 2013



**CBMP**  
 CONSTRUCTION BEST MANAGEMENT PRACTICES

**CF**  
 1 OF 2  
 Oct. 2013

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**CONSTRUCTION FENCE INSTALLATION NOTES**

- THE CONSTRUCTION FENCE SHALL BE SECURELY FASTENED TO EACH POST OR APPROVED EQUAL.

**CONSTRUCTION FENCE INSPECTION AND MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE CONSTRUCTION FENCE AND MAKE ANY NECESSARY REPAIRS.
- CONSTRUCTION FENCE SHALL BE REPAIRED WHEN THE FENCING MATERIAL FALLS OUT OF COMPLIANCE WITH THE NOTES AND DETAILS.

**CBMP**  
 CONSTRUCTION BEST MANAGEMENT PRACTICES

**CF**  
 2 OF 2  
 Oct. 2013



REV	REVISION DESCRIPTION	DATE	CHKD	CHKD	APPR

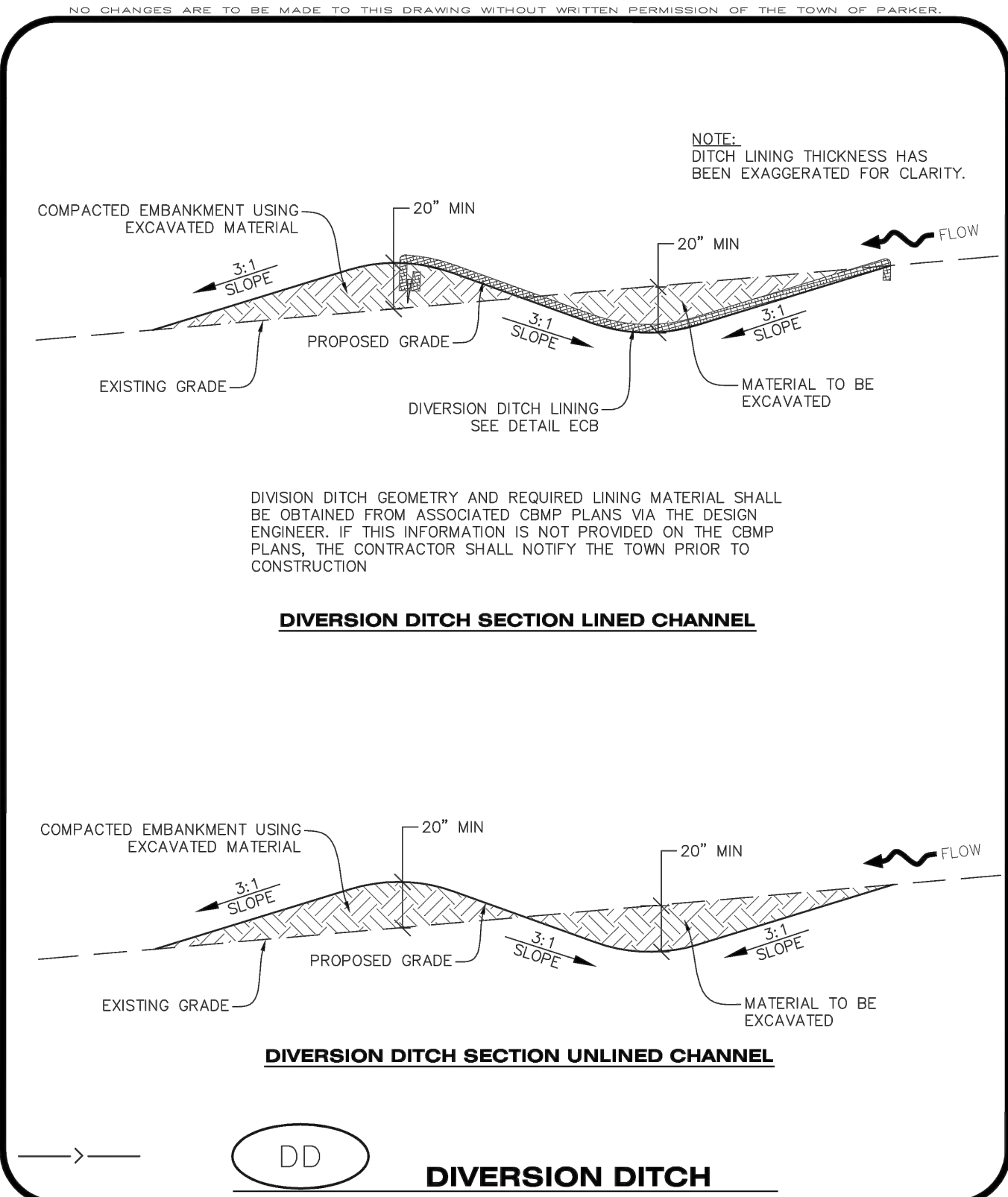
**COMPARK VILLAGE SOUTH**  
 PRIVATE IMPROVEMENT  
 CONSTRUCTION PLANS  
 CBMP DETAILS

ISSUED FOR REVIEW

FOR AND ON BEHALF OF MERRICK & COMPANY

JOB NUMBER: 65120550  
 DATE: 11/09/2022  
 SHEET: C5.2  
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**CBMP**
DD  
1 OF 2  
Oct. 2013

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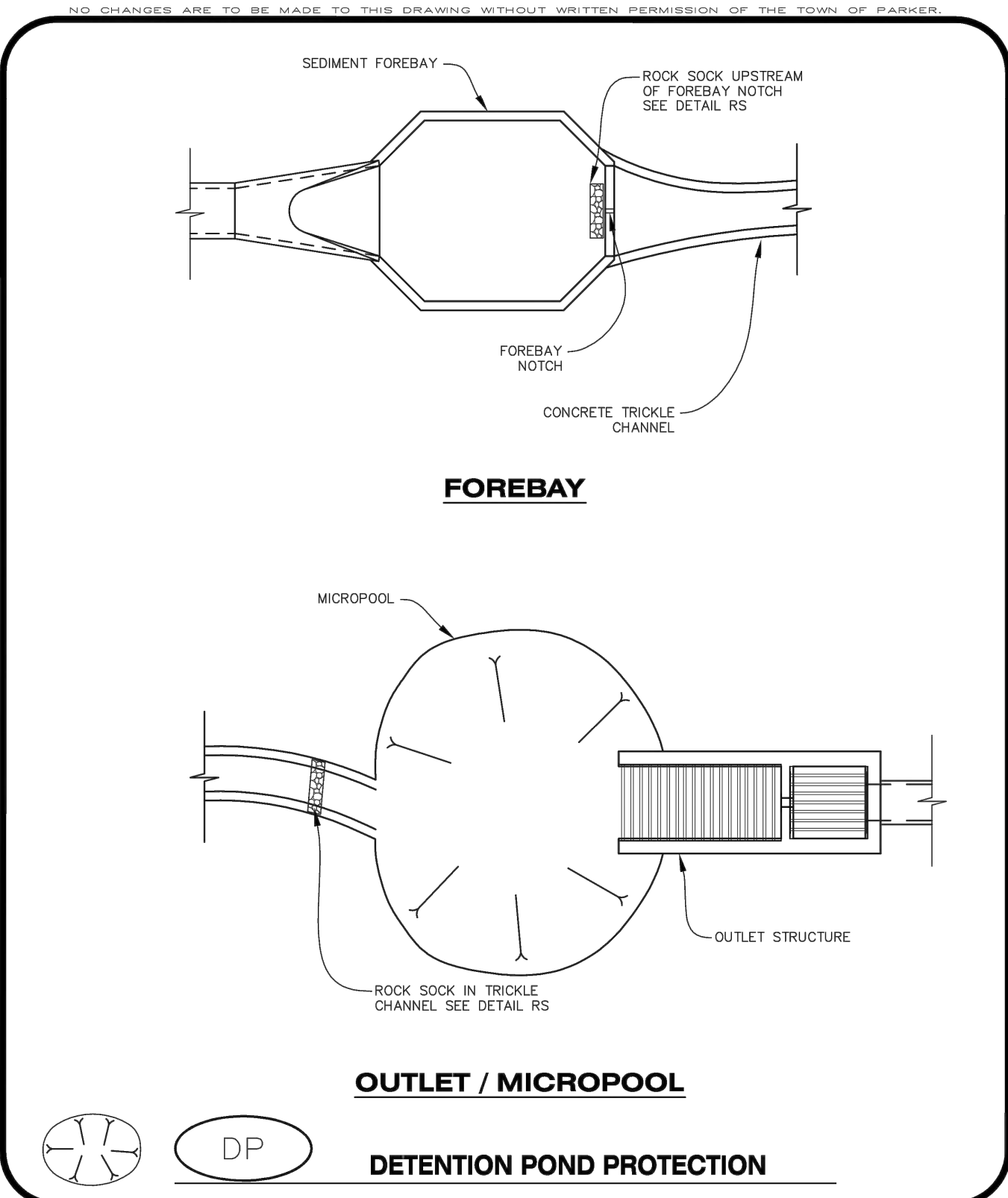
**DIVERSION DITCH INSTALLATION NOTES**

- 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**
DD  
2 OF 2  
Oct. 2013




**CBMP**
DP  
1 OF 2  
Oct. 2013

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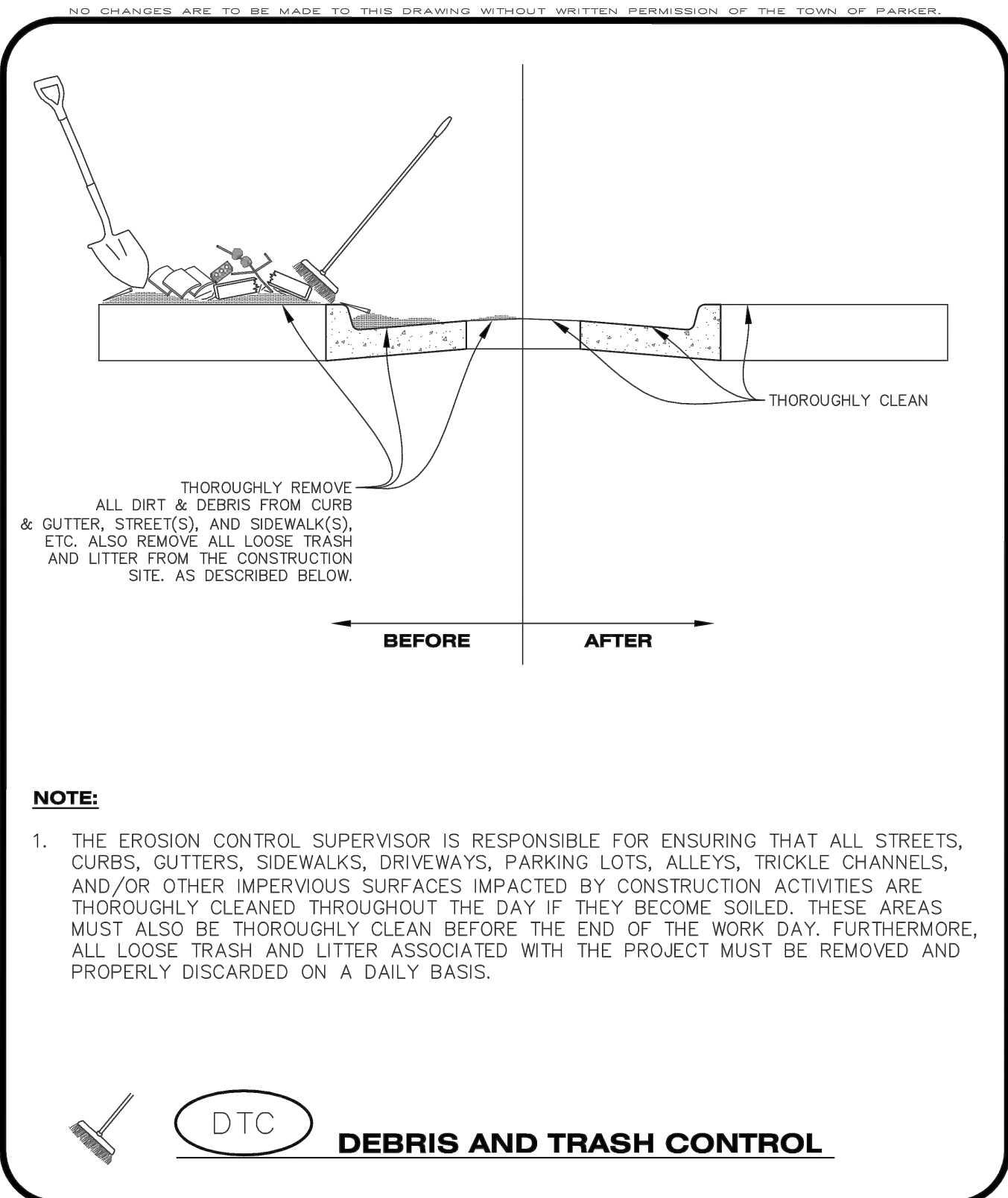
**DETENTION POND PROTECTION INSTALLATION NOTES**

- 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**
DP  
2 OF 2  
Oct. 2013




**CBMP**
DTC  
1 OF 2  
Oct. 2013

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**DEBRIS CONTROL NOTES:**

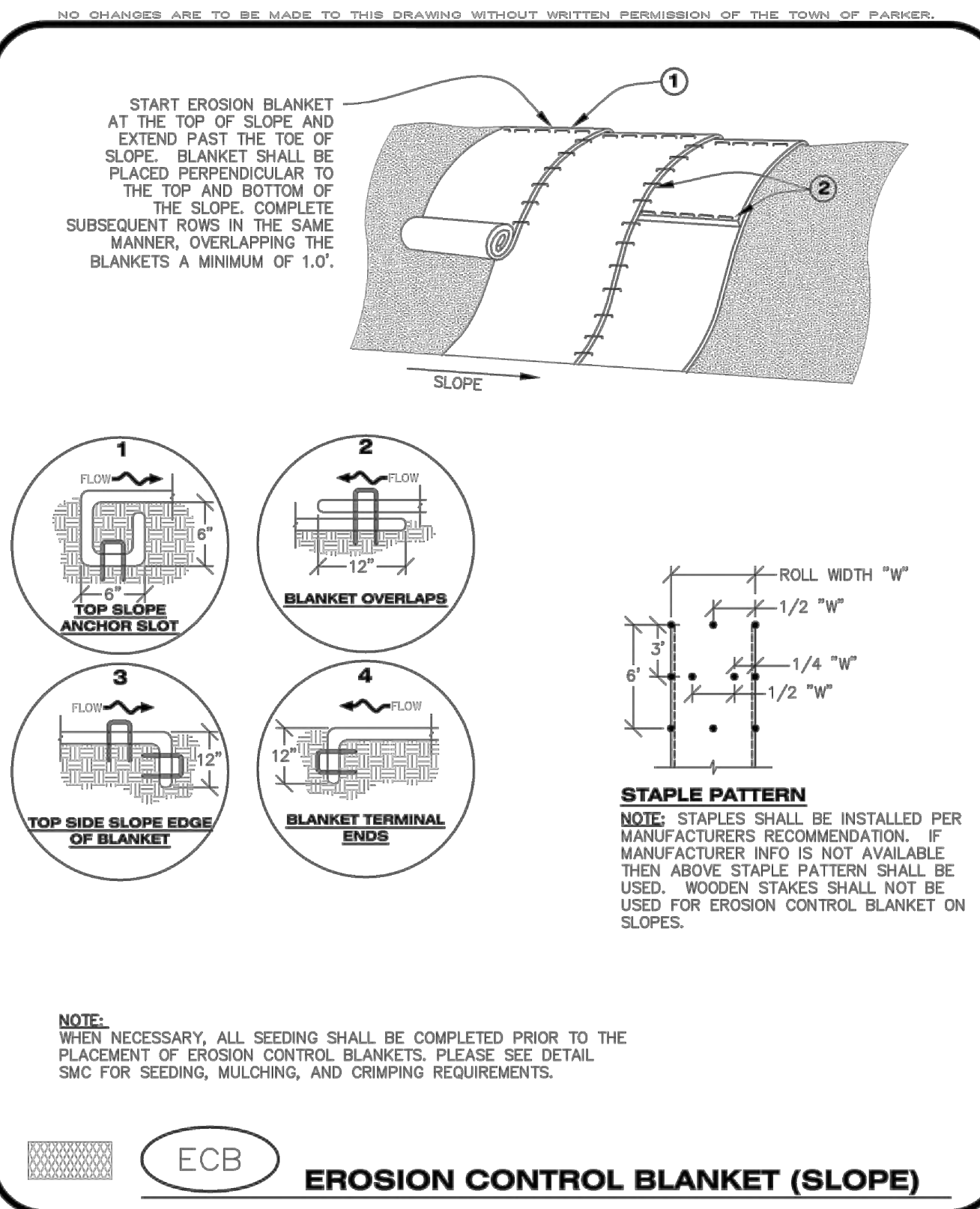
- A COMBINATION OF SURFACE SCRAPING AND SWEEPING MAY BE NECESSARY TO PROPERLY CLEAN THESE AREAS.
- ALL CHEMICAL SPILLS AND/OR STAINS ON THE SITE SHALL BE CLEANED TO THE MAXIMUM EXTENT PRACTICABLE. IN SOME CASES IT MAY BE NECESSARY TO USE PRESSURIZED WATER AND A VAC-TRUCK.
- ON-SITE PERSONNEL, DELIVERY DRIVERS, ETC., SHOULD BE EDUCATED ON THE NEED FOR CONTINUAL DEBRIS AND TRASH CONTROL.


**CBMP**
DTC  
2 OF 2  
Oct. 2013

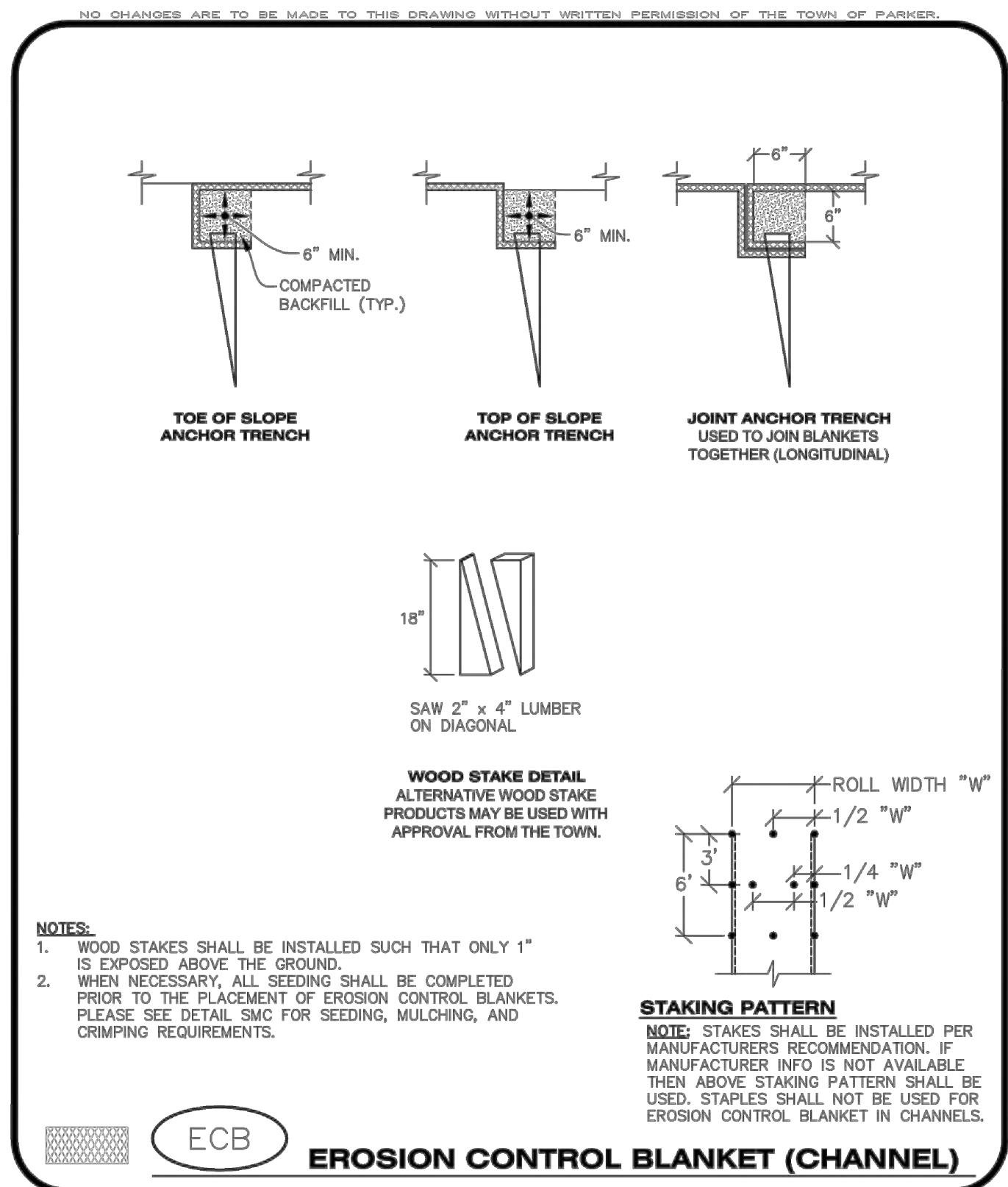
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TITLE  
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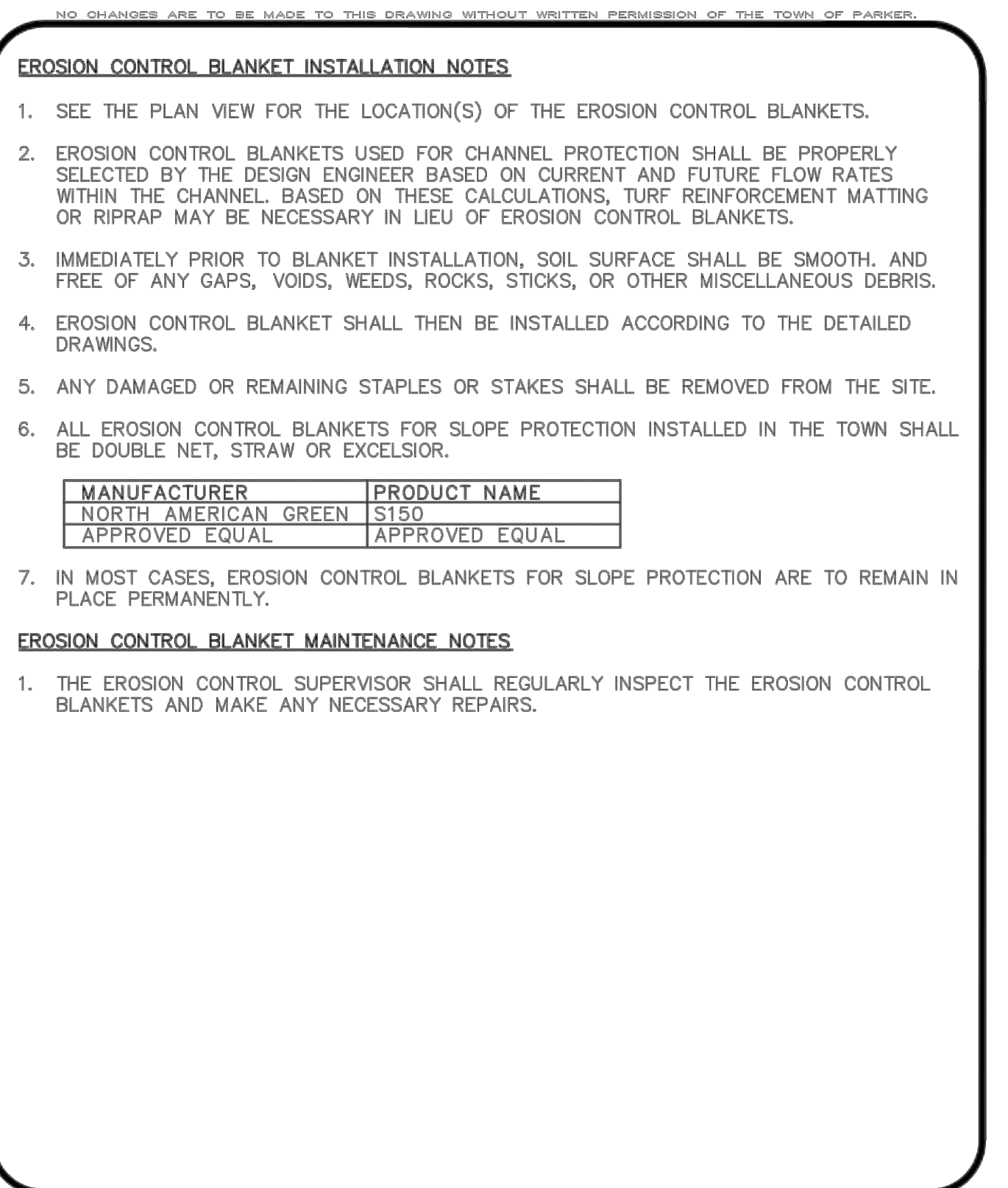
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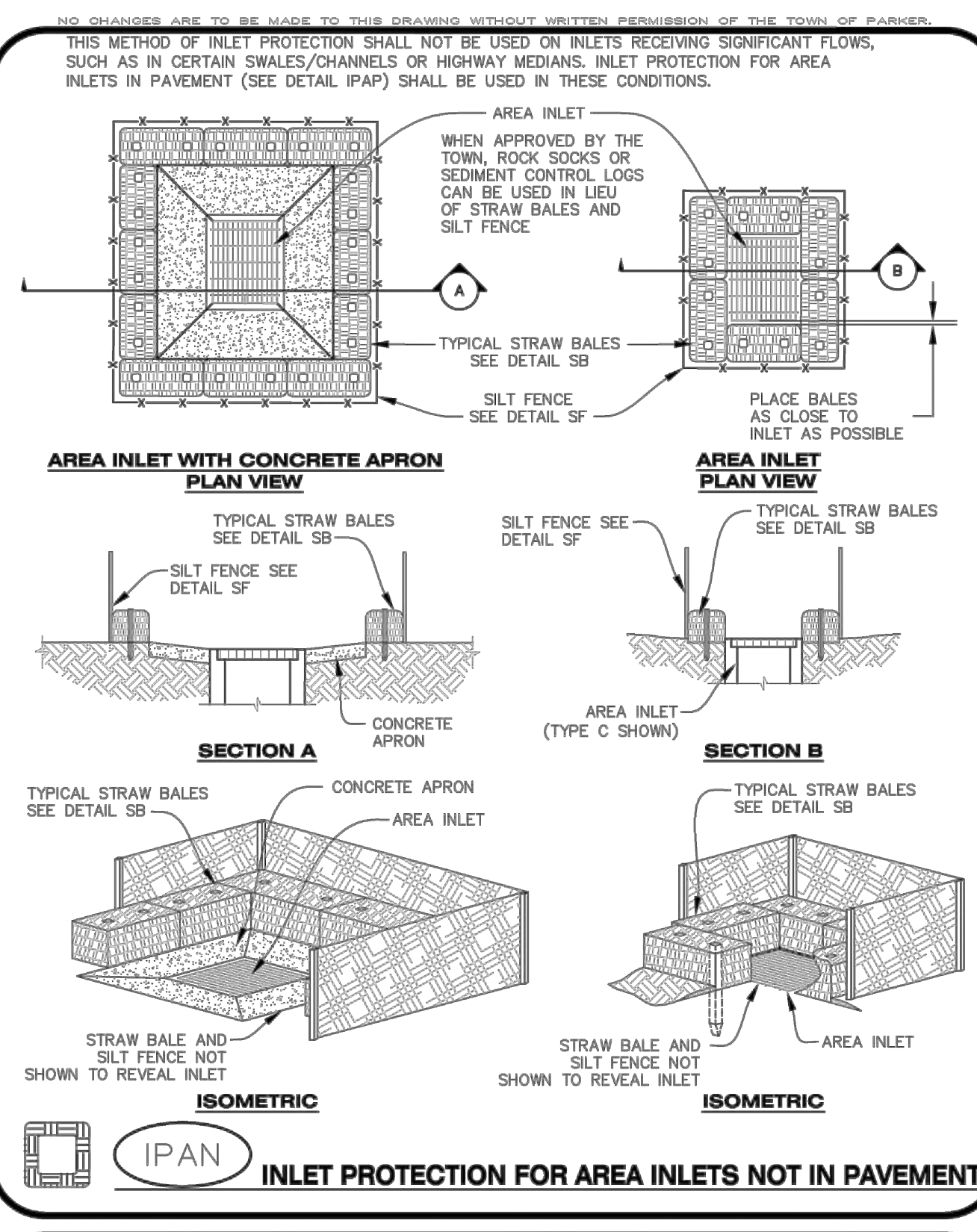
**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | ECB | 1 OF 3 | Oct. 2013



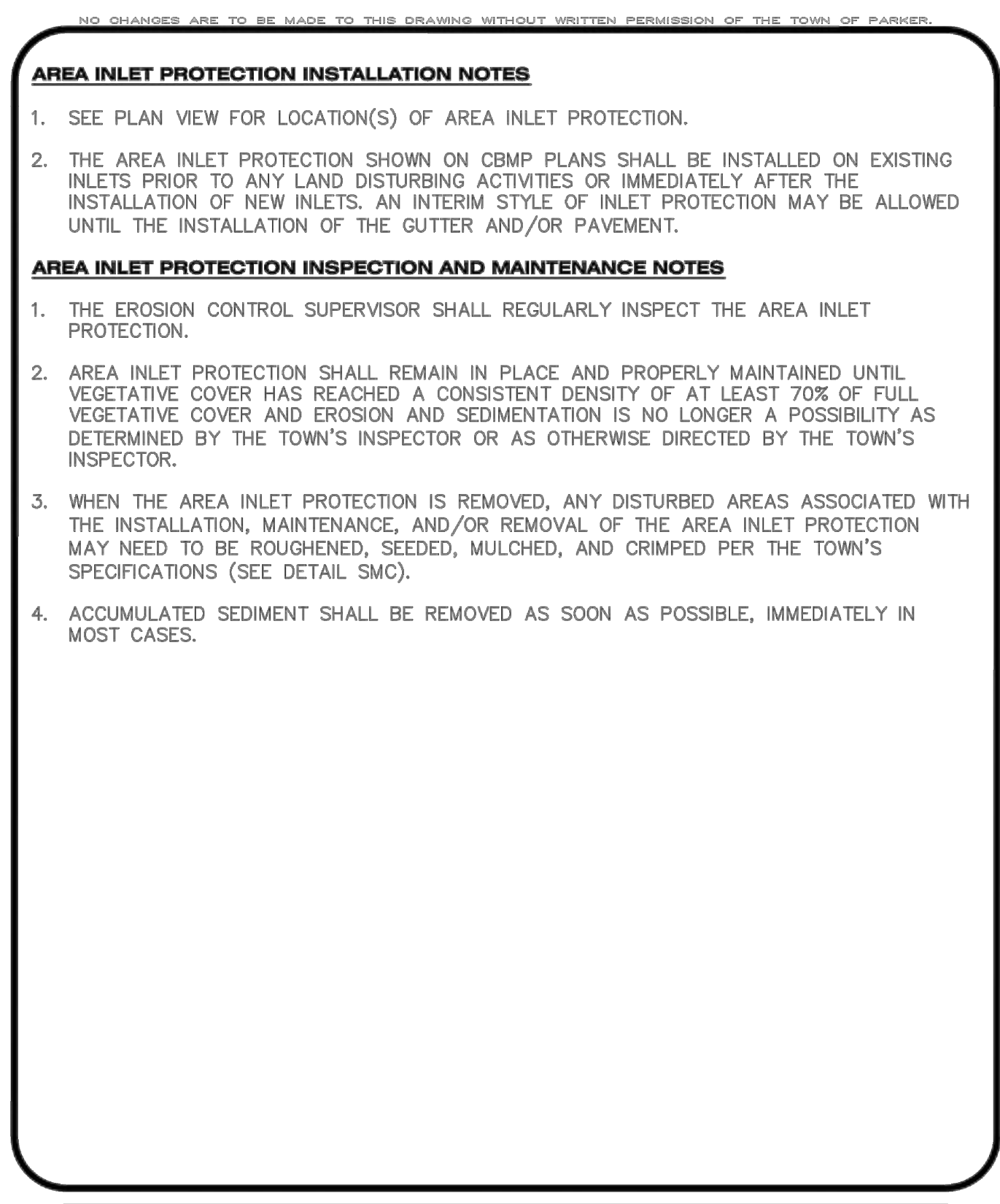
**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | ECB | 2 OF 3 | Oct. 2013



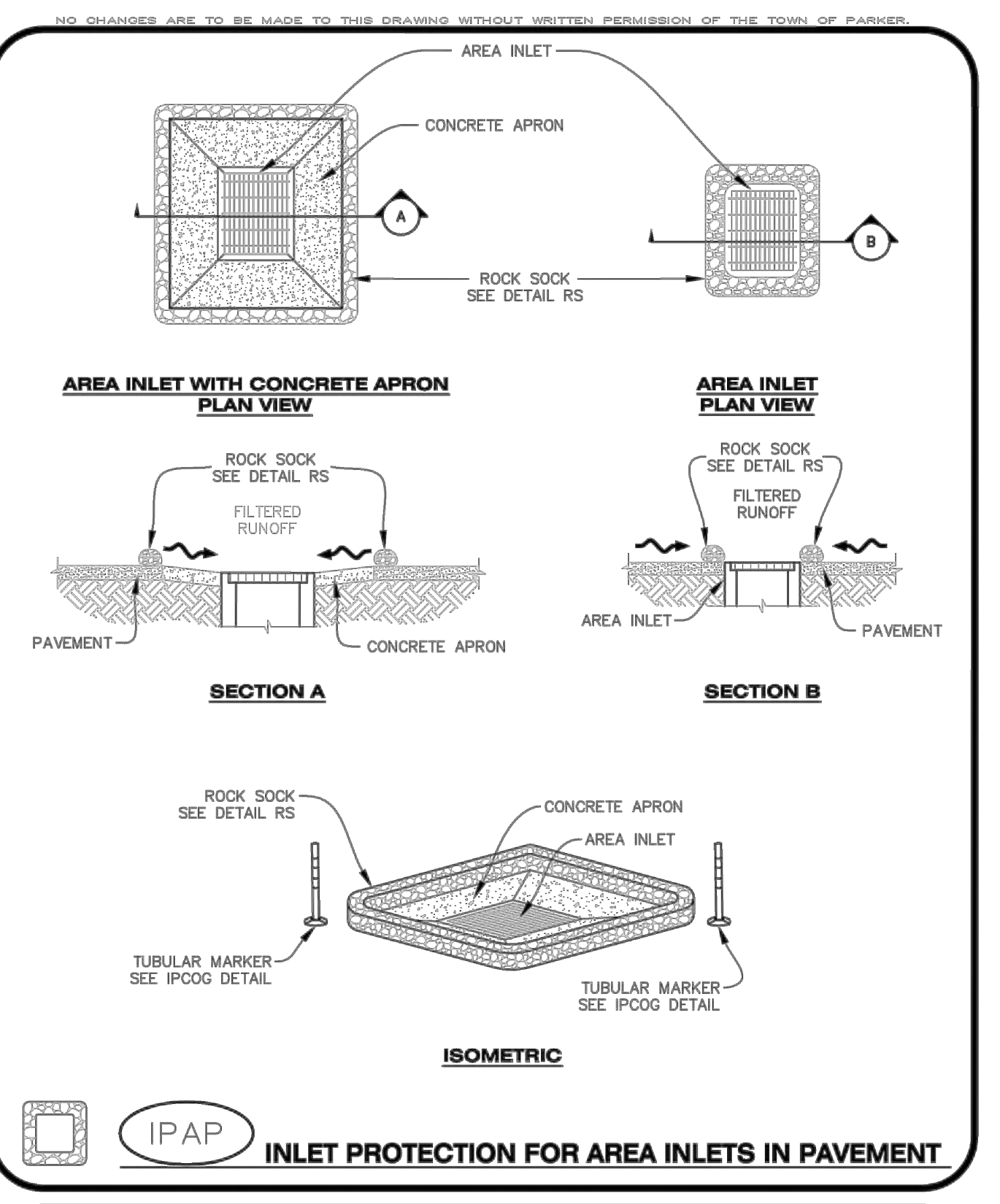
**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | ECB | 3 OF 3 | Oct. 2013



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



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



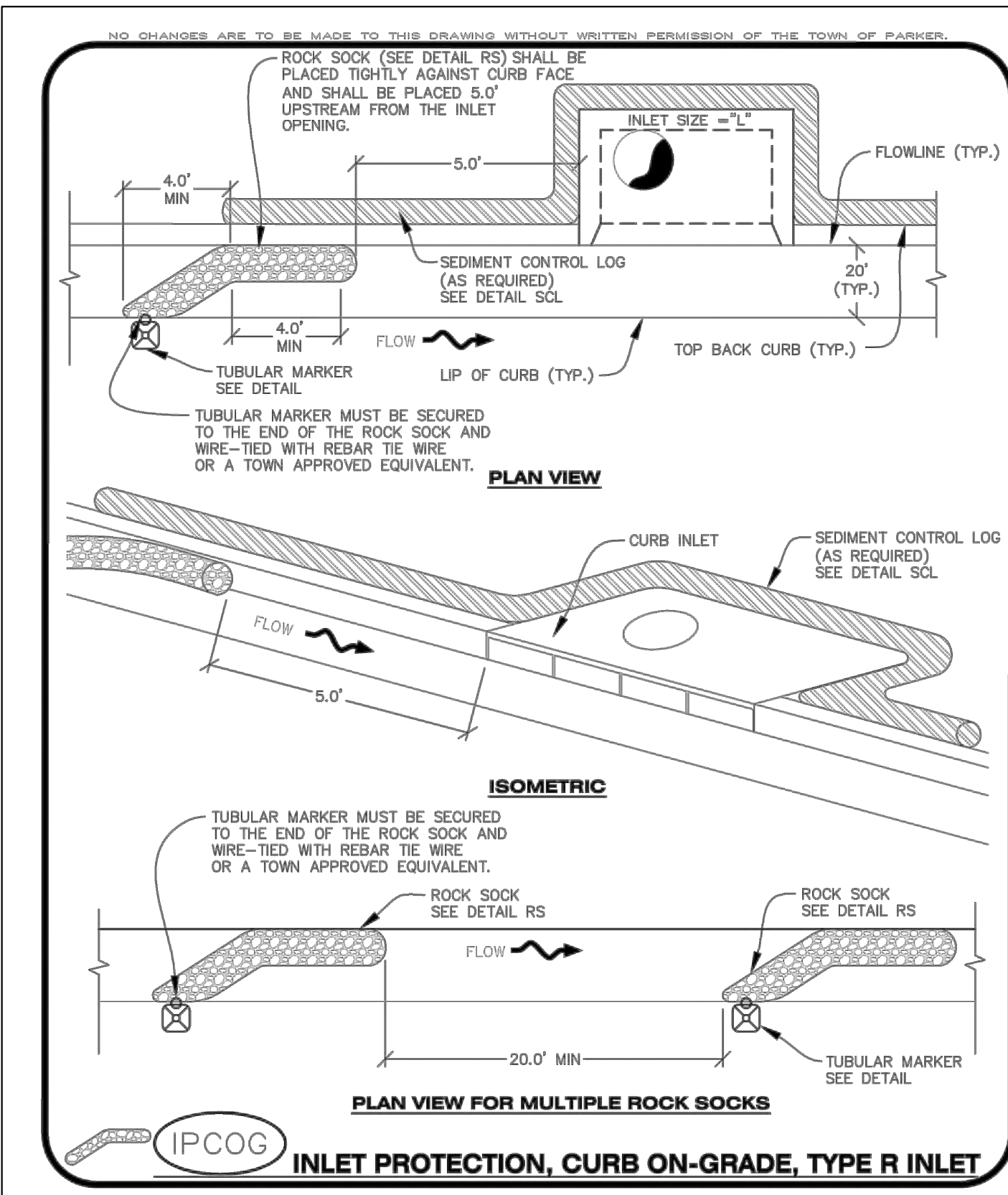
**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES | IPAP | 1 OF 1 | Oct. 2013

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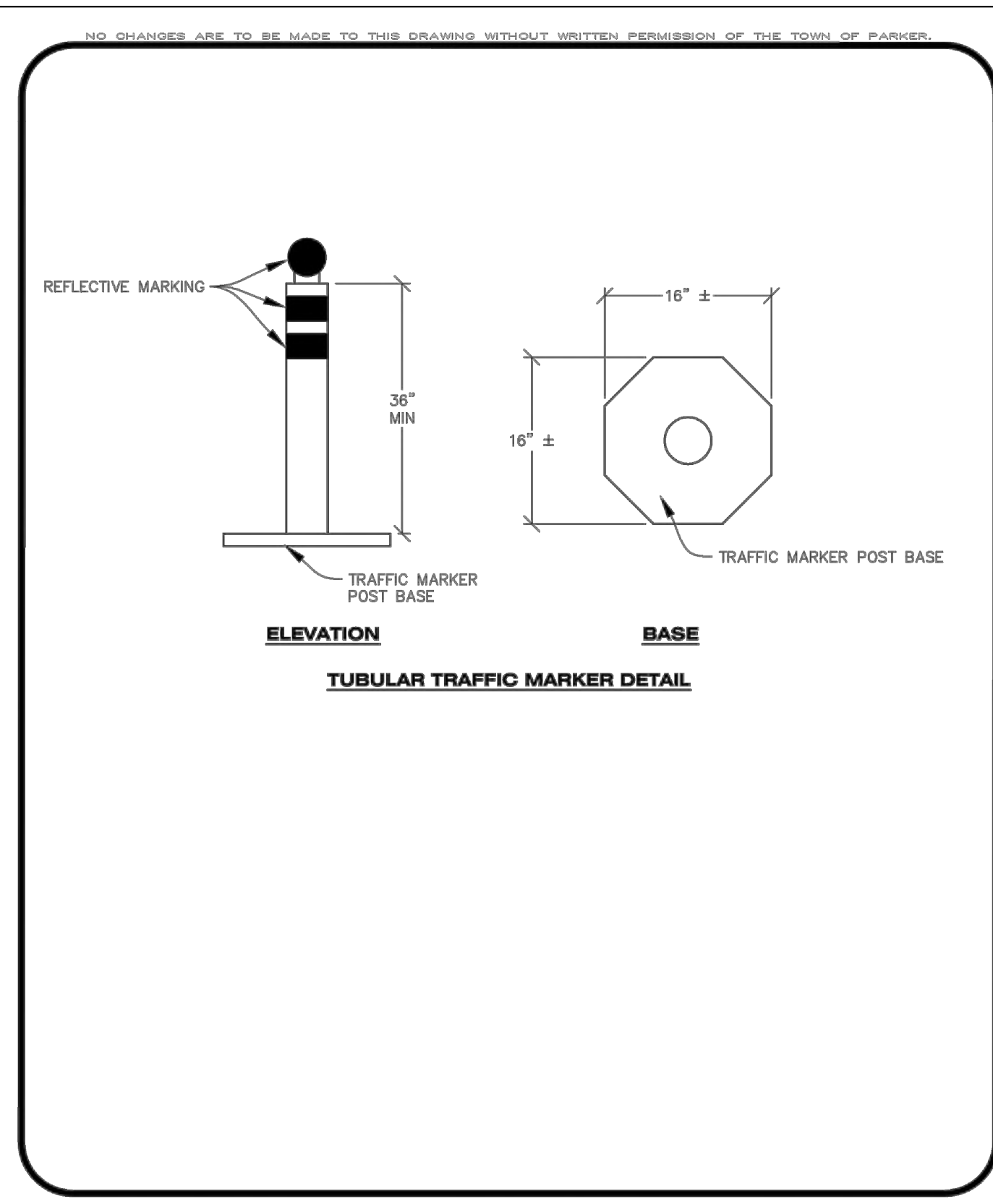
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FOR AND ON BEHALF OF MERRICK & COMPANY



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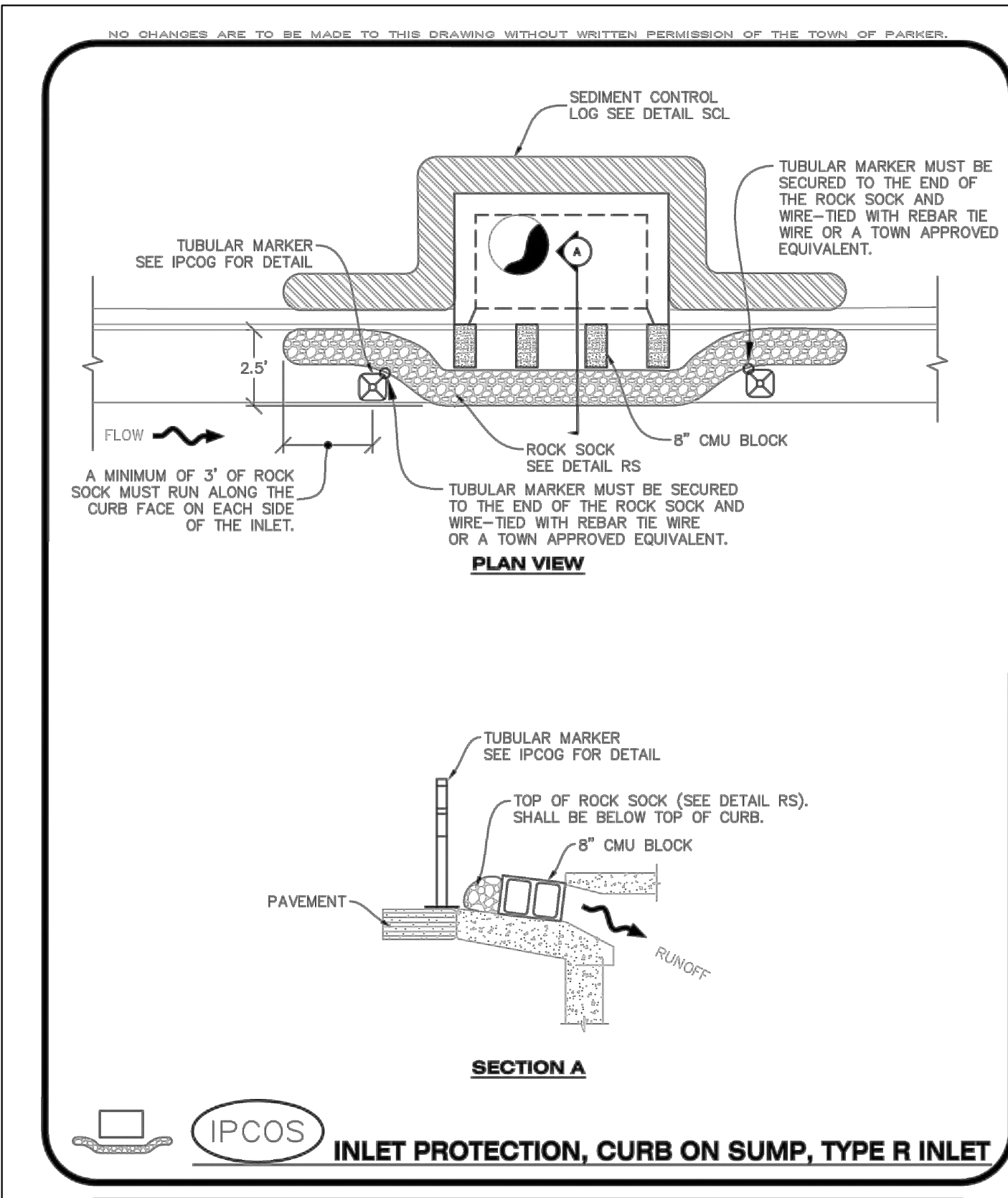
**Parker COLORADO** | **CBMP** | **IPCOC**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 3  
Oct. 2013



**Parker COLORADO** | **CBMP** | **IPCOC**  
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.
- INLET PROTECTION, CURB ON-GRADE INSTALLATION NOTES**
- SEE CBMP PLAN FOR LOCATION(S) OF ON-GRADE INLET PROTECTION.
  - CRUSHED ROCK SHALL BE 2.0"-3.0" IN SIZE WITH A FRACTURED FACE (ALL SIDES).
  - ROCK SOCK FOR ON-GRADE INLET PROTECTION SHALL BE ONE CONTINUOUS PIECE.
  - ROCK SOCK SHALL BE CONSTRUCTED USING CHICKEN WIRE OR OTHER APPROVED MATERIAL, SIZED TO KEEP ROCK FROM SPILLING OUT.
  - ROCK SOCK SHALL BE PLACED 5.0' UPHILL OF THE INLET OPENING.
  - TUBULAR MARKER SHALL BE A MINIMUM OF 3.0' HIGH WITH REFLECTIVE BANDS AND OCTAGON SHAPED BASES.
  - THE CURB INLET PROTECTION SHOWN ON CBMP PLAN SHALL BE INSTALLED ON EXISTING INLETS PRIOR TO ANY LAND DISTURBING ACTIVITIES OR IMMEDIATELY AFTER THE APPLICABLE INSTALLATION OF THE FIRST LIFT OF ASPHALT ON ROADWAYS DRAINING TO THE INLET.
- ON-GRADE INLET PROTECTION INSPECTION AND MAINTENANCE NOTES**
- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE ON-GRADE INLET PROTECTION.
  - ACCUMULATED SEDIMENT SHALL BE REMOVED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES.
  - ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED.
  - ON-GRADE INLET 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.

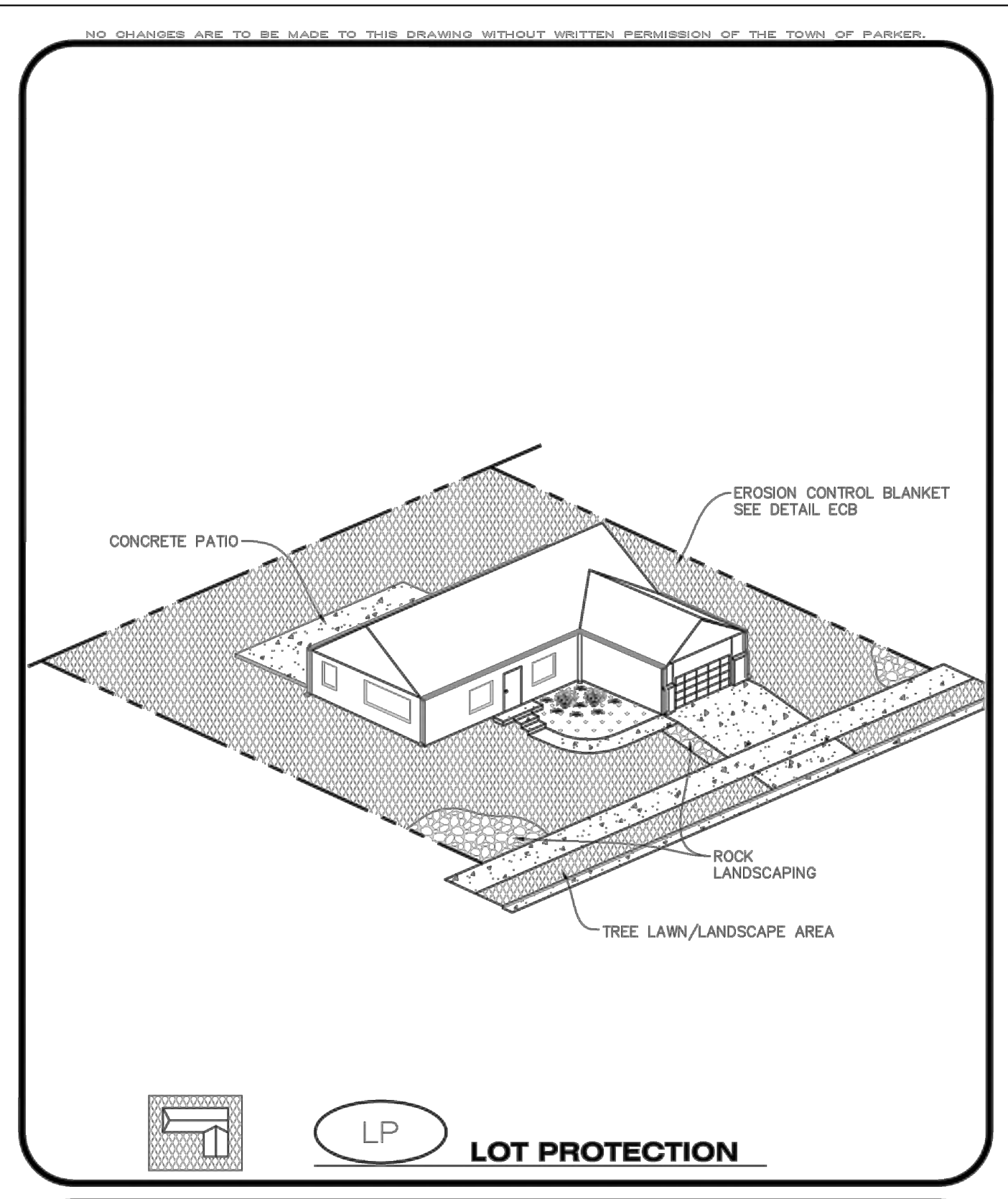
**Parker COLORADO** | **CBMP** | **IPCOC**  
CONSTRUCTION BEST MANAGEMENT PRACTICES | 3 OF 3  
Oct. 2013



**Parker COLORADO** | **CBMP** | **IPCOS**  
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.
- CURB INLET PROTECTION INSTALLATION NOTES**
- SEE CBMP PLAN FOR LOCATION(S) OF CURB INLET PROTECTION.
  - 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.
  - ROCK SOCK SHALL EXTEND 3.0' ALONG THE CURB BEYOND LOCATIONS WHERE IT RETURNS TO CONTACT CURB FACE.
  - TUBULAR TRAFFIC MARKERS SHALL BE A MINIMUM OF 36" IN HEIGHT WITH REFLECTIVE BANDS AND OCTAGON SHAPED BASES.
  - THE CURB INLET PROTECTION SHOWN ON CBMP PLAN SHALL BE INSTALLED ON EXISTING INLETS PRIOR TO ANY LAND DISTURBING ACTIVITIES OR IMMEDIATELY AFTER THE INSTALLATION OF THE FIRST LIFT OF ASPHALT ON ROADWAYS DRAINING TO THE CURB INLET. CMU BLOCKS OR THE ROCK SOCK SHALL BE USED AS INTERIM PROTECTION UNTIL THE FIRST LIFT OF ASPHALT IS INSTALLED.
- CURB INLET PROTECTION INSPECTION AND MAINTENANCE NOTES**
- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE CURB INLET PROTECTION.
  - ACCUMULATED SEDIMENT SHALL BE REMOVED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES.
  - ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED.
  - CURB INLET 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.

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



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

REV	REVISION DESCRIPTION	DATE	CHKD	CHKD	APPR

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

**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:
 

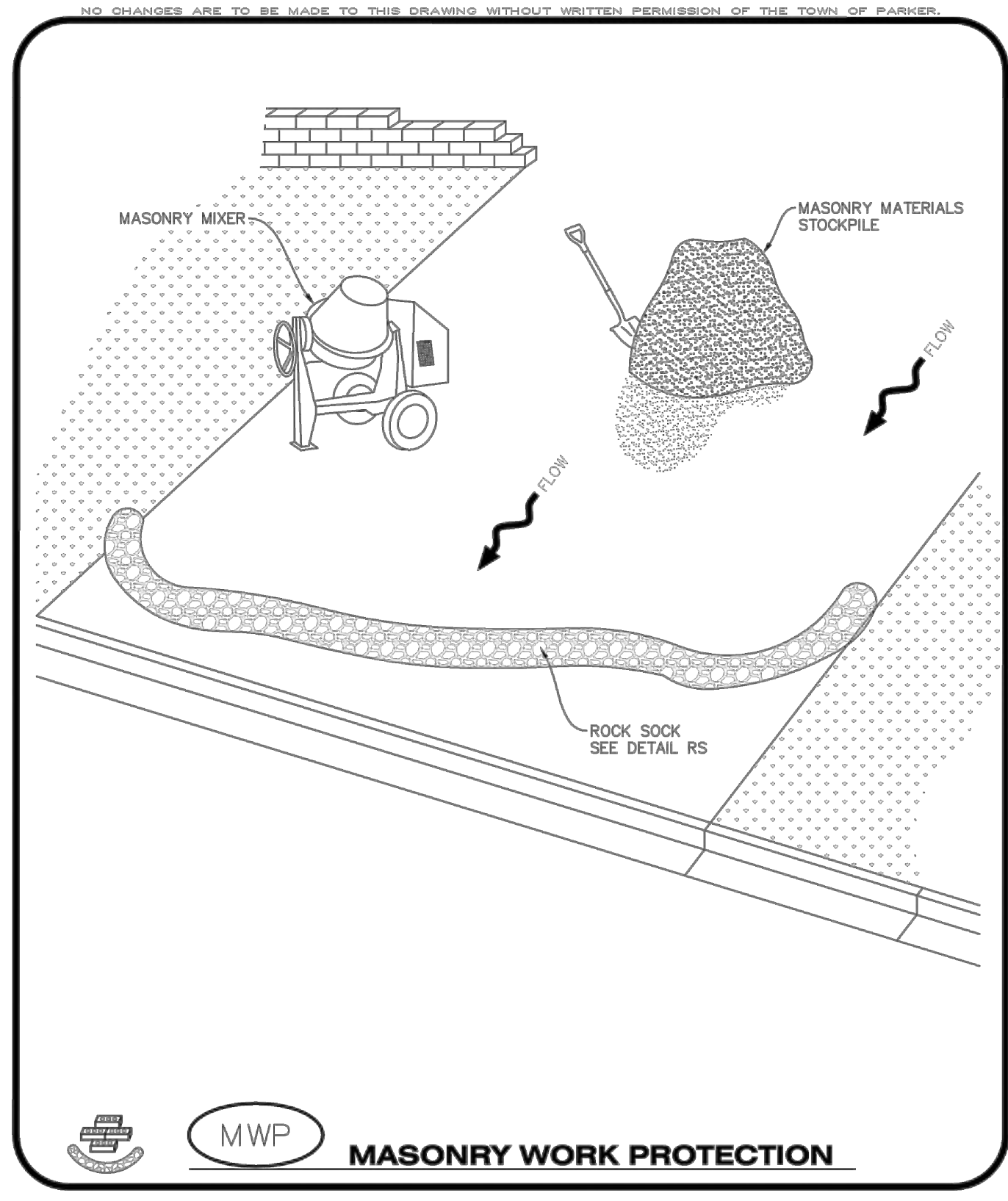
MANUFACTURER	PRODUCT NAME
NORTH AMERICAN GREEN	S150 BN
APPROVED EQUAL	APPROVED EQUAL
- ALL EROSION CONTROL BLANKETS FOR LOT PROTECTION SHALL BE INSTALLED ACCORDING TO THE DETAIL DRAWINGS, WITH THE FOLLOWING ALLOWANCES AND ADDITIONS:
  - THE TOWN WILL ALLOW THE USE OF BIODEGRADABLE, EROSION CONTROL BLANKET-SPECIFIC 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-GRADE EDGES BEING PLACED ON TOP OF THE DOWN-GRADE 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.

**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES

LP  
2 OF 2  
Oct. 2013



**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES

MWP  
1 OF 2  
Oct. 2013

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

**MASONRY WORK PROTECTION INSTALLATION NOTES**

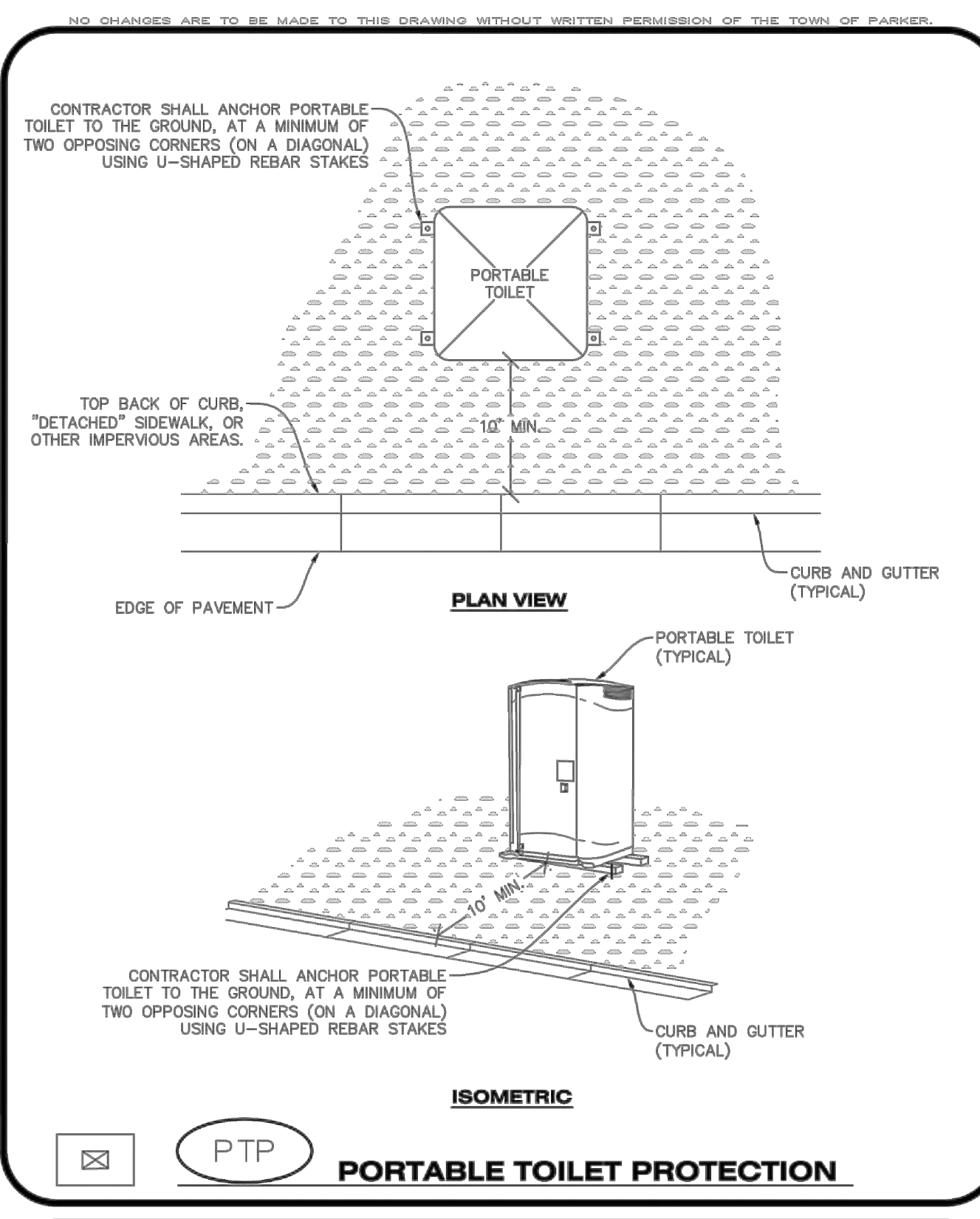
- MASONRY WORK PROTECTION MAY NEED TO BE INSTALLED WHEN MASONRY WORK AND MIXING IS OCCURRING.
- A ROCK SOCK SHALL BE INSTALLED IN A CRESCENT SHAPE ON THE DOWNHILL SIDE OF THE MASONRY WORK AND MIXER.
- CRUSHED ROCK SHALL BE 2.0"-3.0" IN SIZE WITH A FRACTURED FACE (ALL SIDES).
- ROCK SOCK SHALL BE ONE 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.

**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES

MWP  
2 OF 2  
Oct. 2013



**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES

PTP  
1 OF 2  
Oct. 2013

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

**PORTABLE TOILET PROTECTION INSTALLATION NOTES**

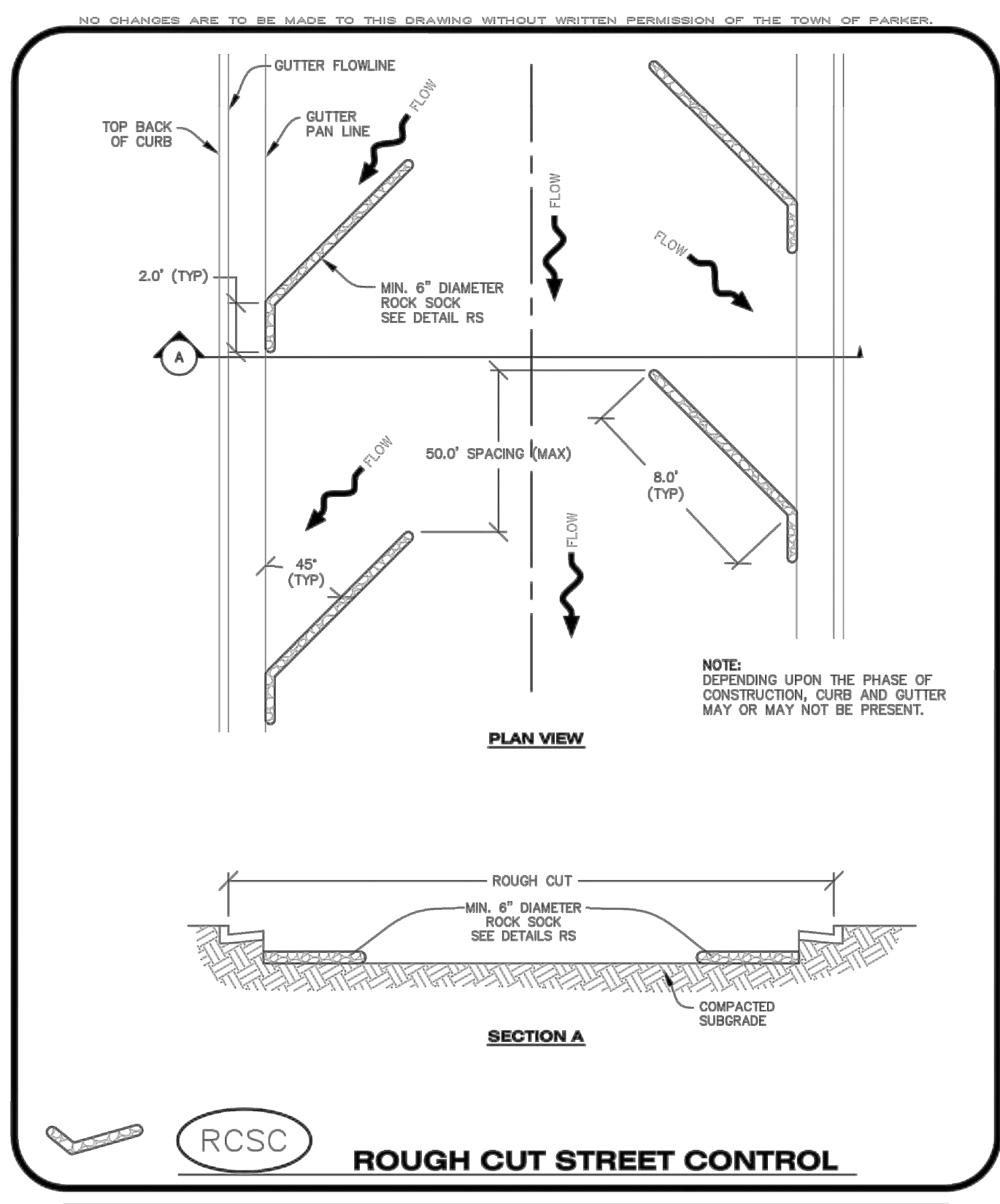
- PORTABLE TOILETS SHALL BE PLACED A MINIMUM OF 10.0' BEHIND ALL CURBS, SIDEWALKS, AND OTHER IMPERVIOUS AREAS.
- ALL PORTABLE TOILETS MUST BE GROUPED TOGETHER.
- PORTABLE TOILETS SHALL BE SECURELY ANCHORED TO THE GROUND USING U-SHAPED REBAR STAKES.
- U-SHAPED REBAR STAKES SHALL BE POSITIONED ON AT LEAST 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.

**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES

PTP  
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Oct. 2013



**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES

RCSC  
1 OF 2  
Oct. 2013

REV	REVISION DESCRIPTION	DATE	BY	CHKD	APPD

THE USE OF ANY OTHER BEST MANAGEMENT PRACTICES (BMP) OR STRUCTURES IS AN INDICATION OF A CHANGE FROM THE STANDARD PRACTICES SHOWN ON THIS DRAWING. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

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

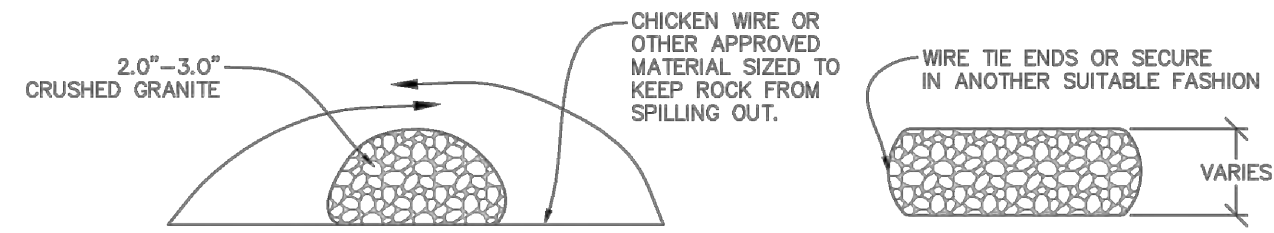
**ROUGH CUT STREET CONTROL INSTALLATION NOTES**

- 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.

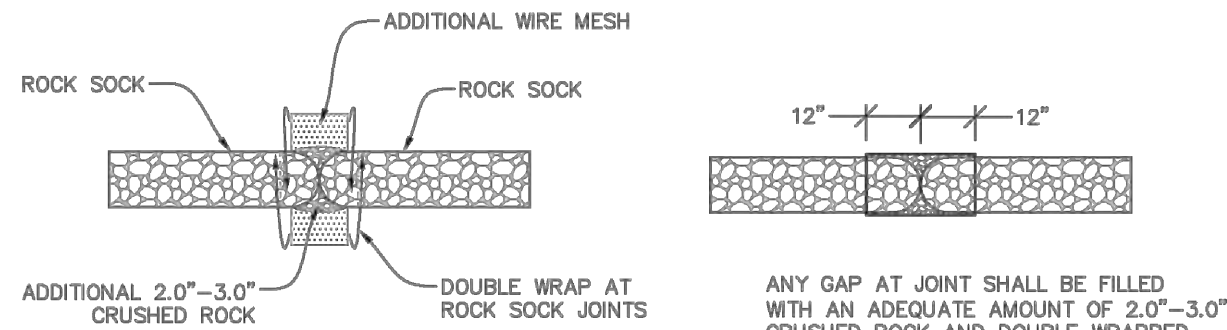
**ROUGH CUT STREET CONTROL INSPECTION AND MAINTENANCE NOTES**

- 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.

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



**CROSS SECTION** **COMPLETED ROCK SOCK**



**JOINT PLAN VIEW** **JOINT ELEVATION**

RS **ROCK SOCK**

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

**CBMP** | **RS**  
 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**

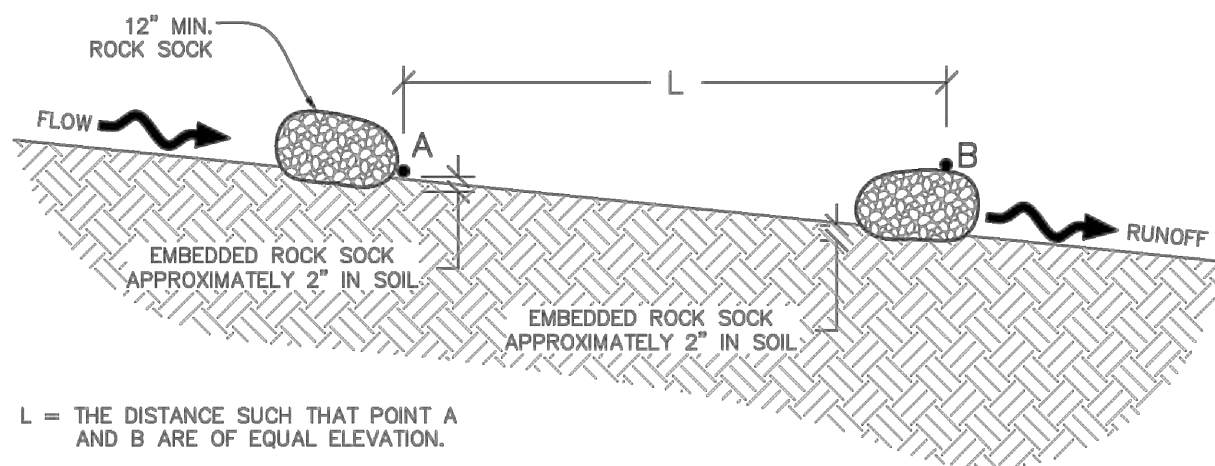
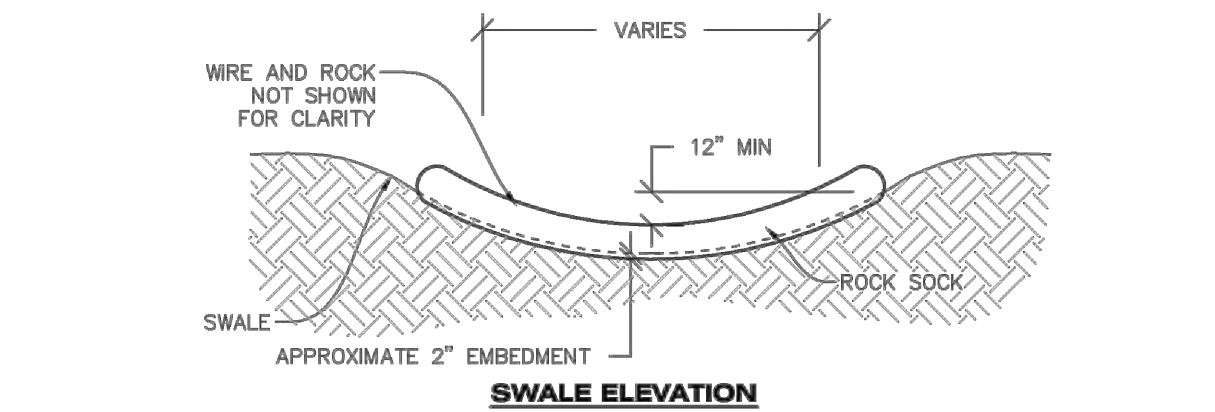
- SEE CBMP PLAN FOR LOCATION(S) OF ROCK SOCK.
- CRUSHED ROCK SHALL BE APPROXIMATELY 2.0"-3.0" GRANITE IN SIZE WITH A FRACTURED FACE (ALL SIDES).
- ROCK SOCK SHALL BE APPROXIMATELY ONE CONTINUOUS PIECE OR SHALL BE CONSTRUCTED USING WIRE WRAPPED JOINTS (SEE DETAIL RS).
- ROCK SOCK SHALL BE CONSTRUCTED 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 ROCK 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

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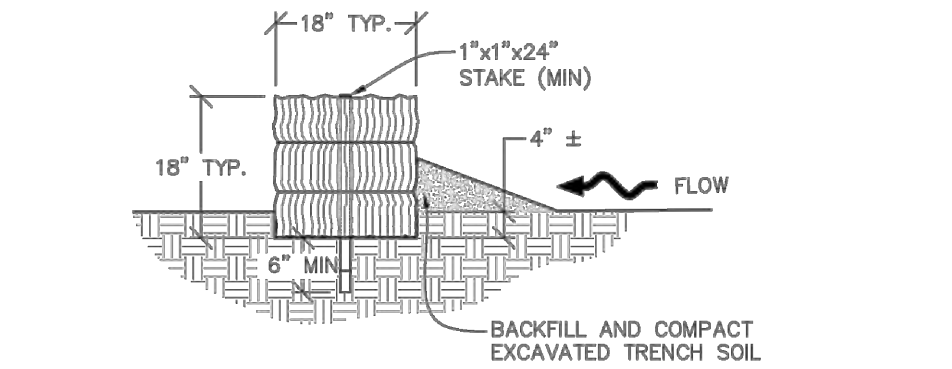
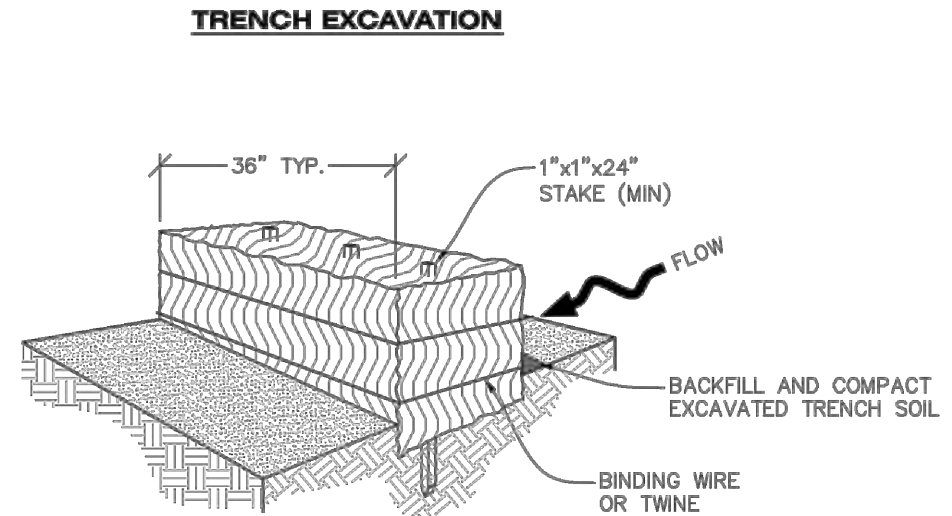
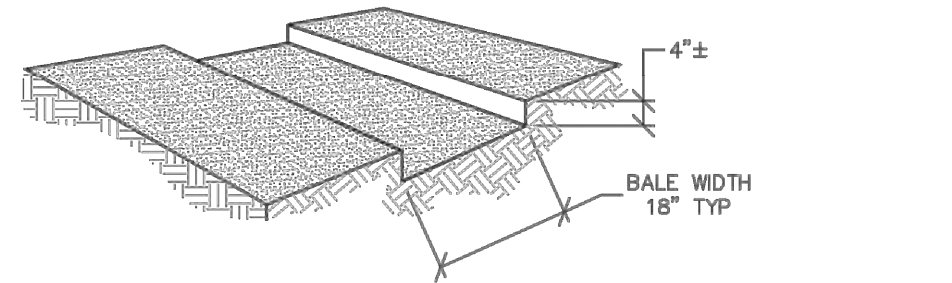


L = THE DISTANCE SUCH THAT POINT A AND B ARE OF EQUAL ELEVATION.

RSS **ROCK SOCK IN SWALE**

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

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



SB **STRAW BALE**

**CBMP** | **SB**  
 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.

**STRAW BALE INSTALLATION NOTES**

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

**STRAW BALE INSPECTION AND MAINTENANCE NOTES**

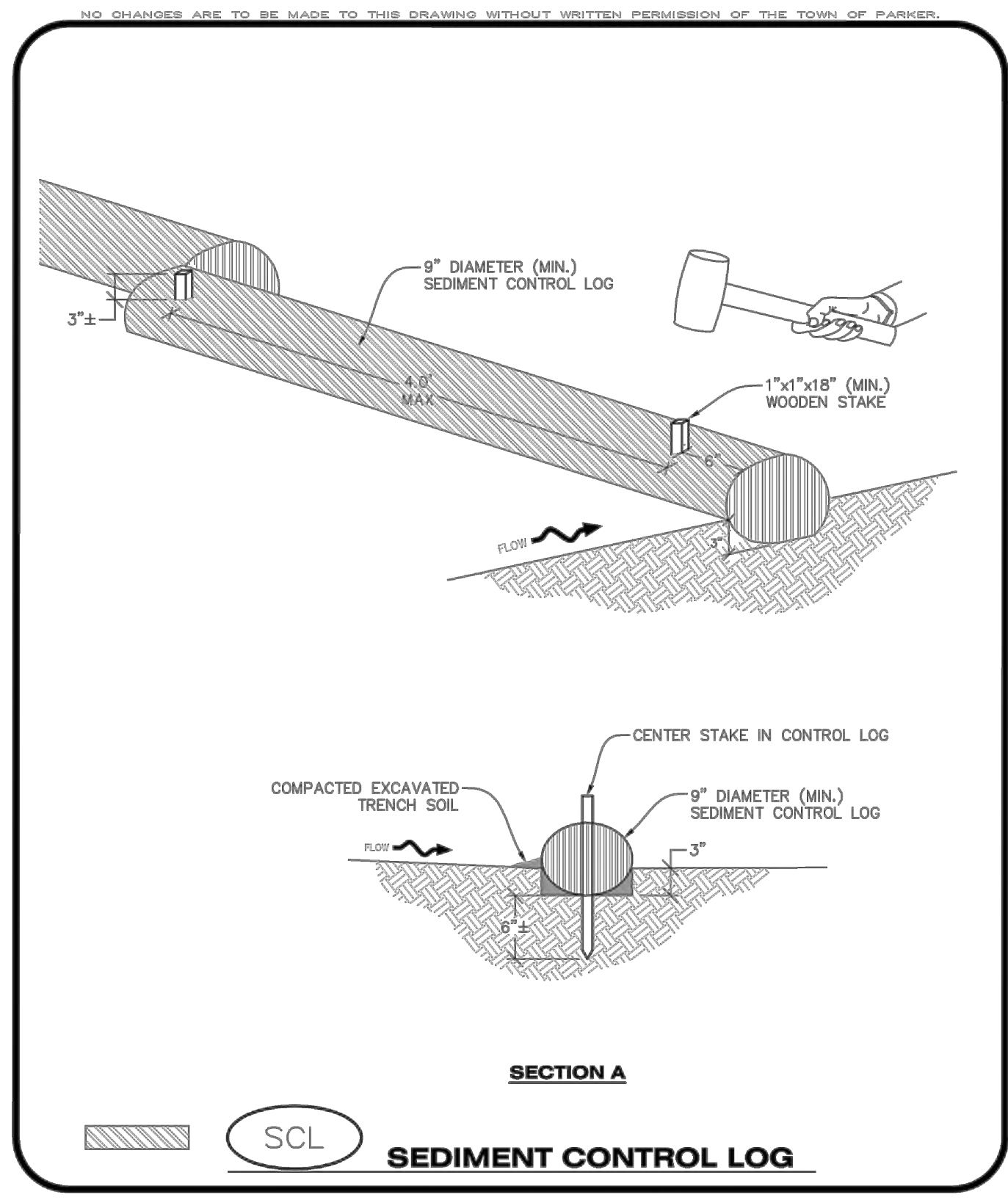
- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE STRAW BALES.
- ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE THE SEDIMENT HAS REACHED A DEPTH EQUAL TO 1/2 THE HEIGHT OF THE STRAW BALE.
- STRAW BALES MAY NEED TO BE REPLACED IF THEY BECOME HEAVILY SOILED, ROTTEN, OR OTHERWISE DAMAGED.
- STRAW 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.
- 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).

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

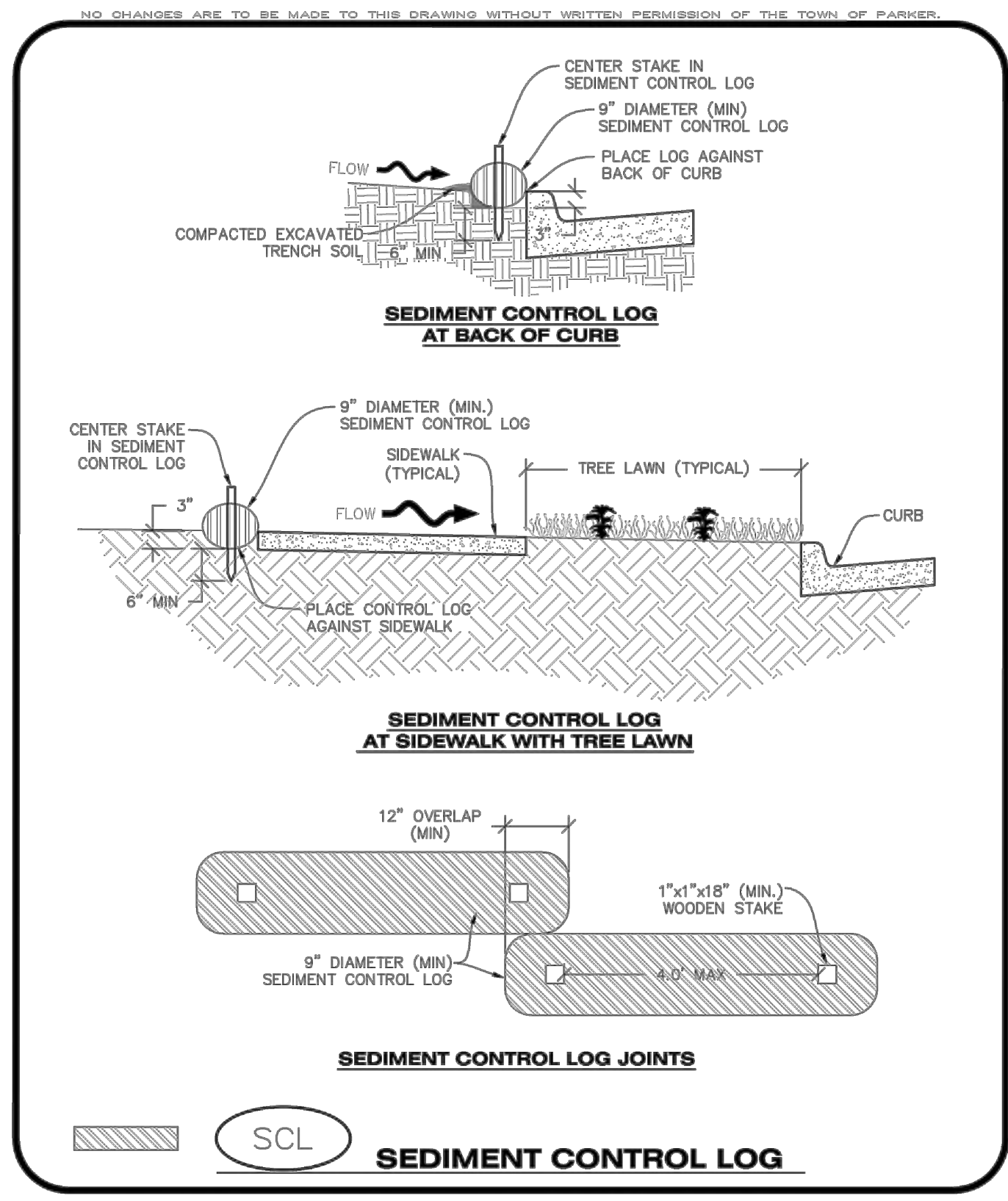
REV	REVISION DESCRIPTION	DATE	CHKD	APPD

ISSUED FOR REVIEW  
 FOR AND ON BEHALF OF MERRICK & COMPANY

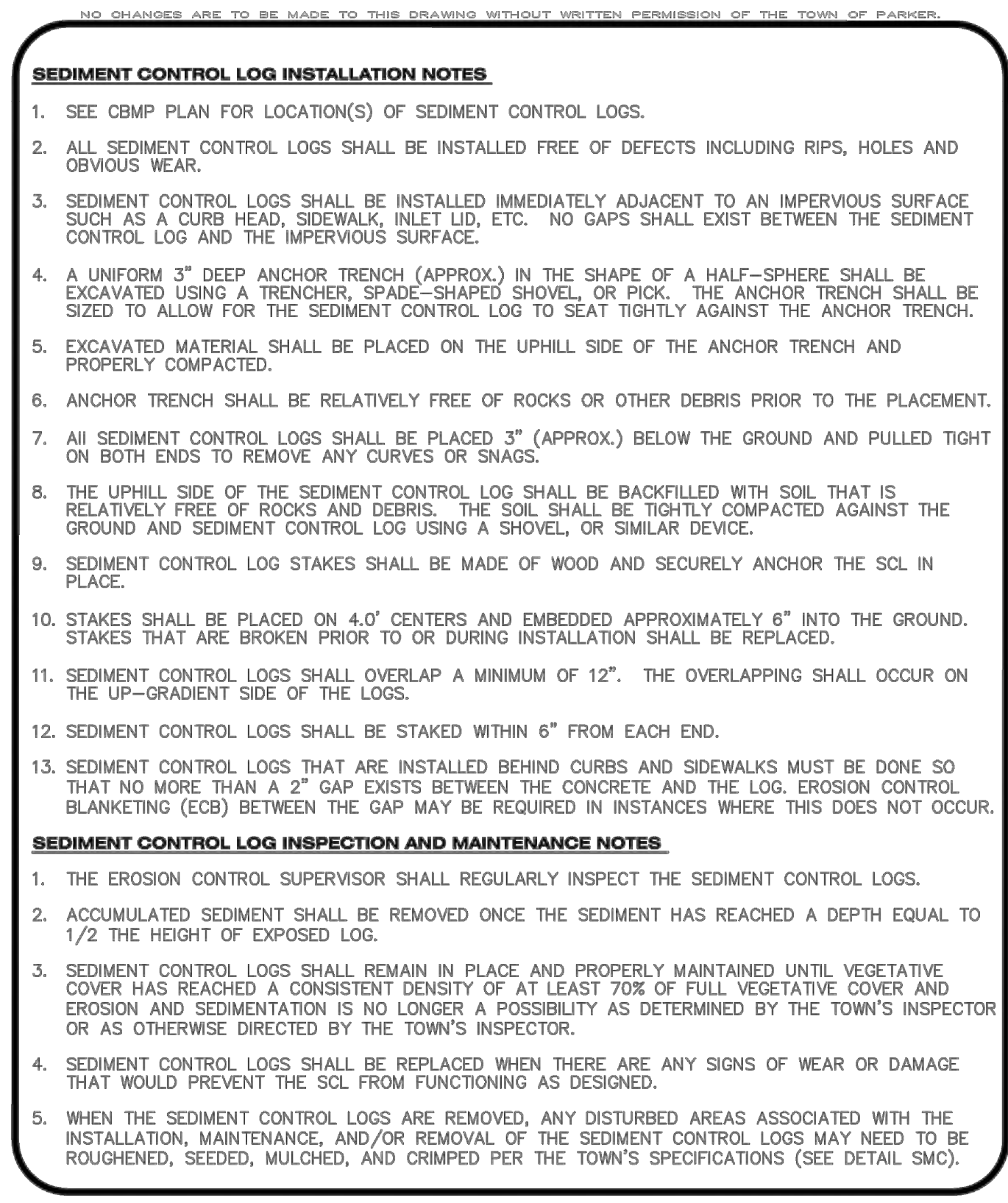
THE USE OF THESE BEST MANAGEMENT PRACTICES IS AN INSTRUMENT OF SERVICE PROVIDED BY MERRICK AND COMPANY, INC. A FEE FOR PROJECT, REUSE OR MODIFICATION OF ANY INFORMATION NOT A FINISHED INSTRUMENT WITHOUT THE WRITTEN CONSENT OF MERRICK AND COMPANY SHALL BE IN THE SAME MANNER AS THE ORIGINAL INSTRUMENT. TO BE USED FOR ANY OTHER PROJECT OR PURPOSE WITHOUT THE WRITTEN CONSENT OF MERRICK AND COMPANY SHALL BE AT THE USER'S RISK.



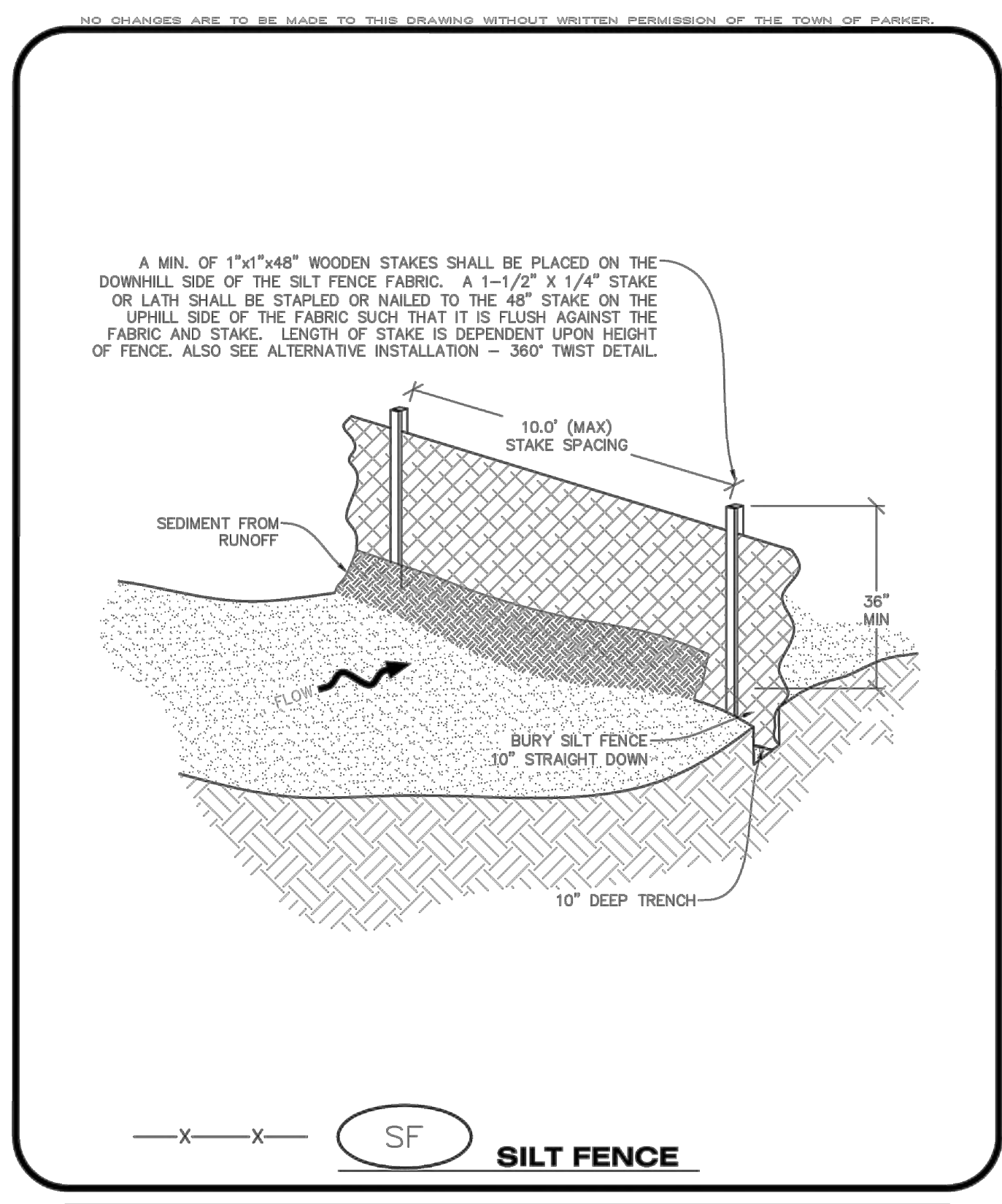
**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
**SCL** 1 OF 3  
 Oct. 2013



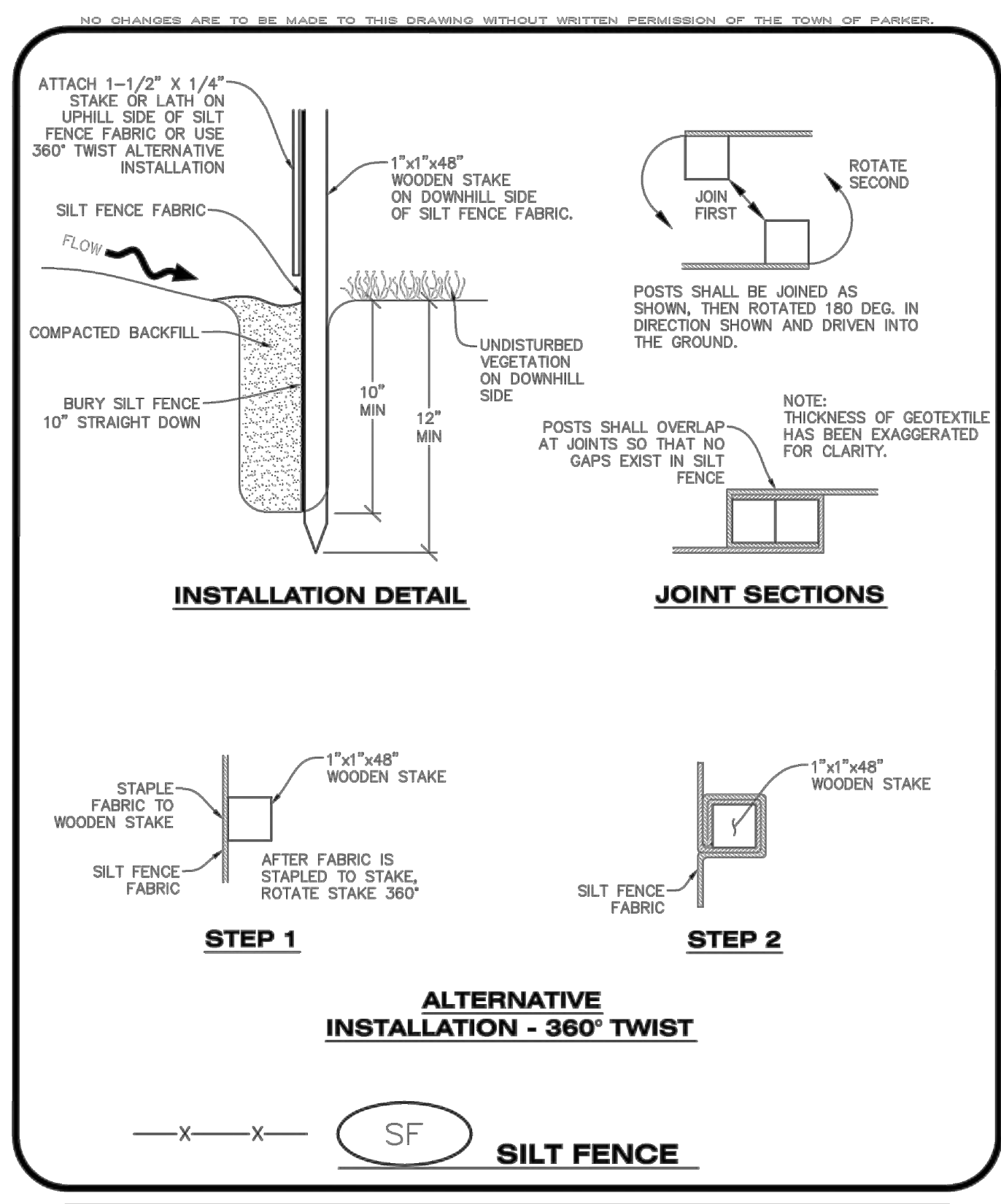
**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
**SCL** 2 OF 3  
 Oct. 2013



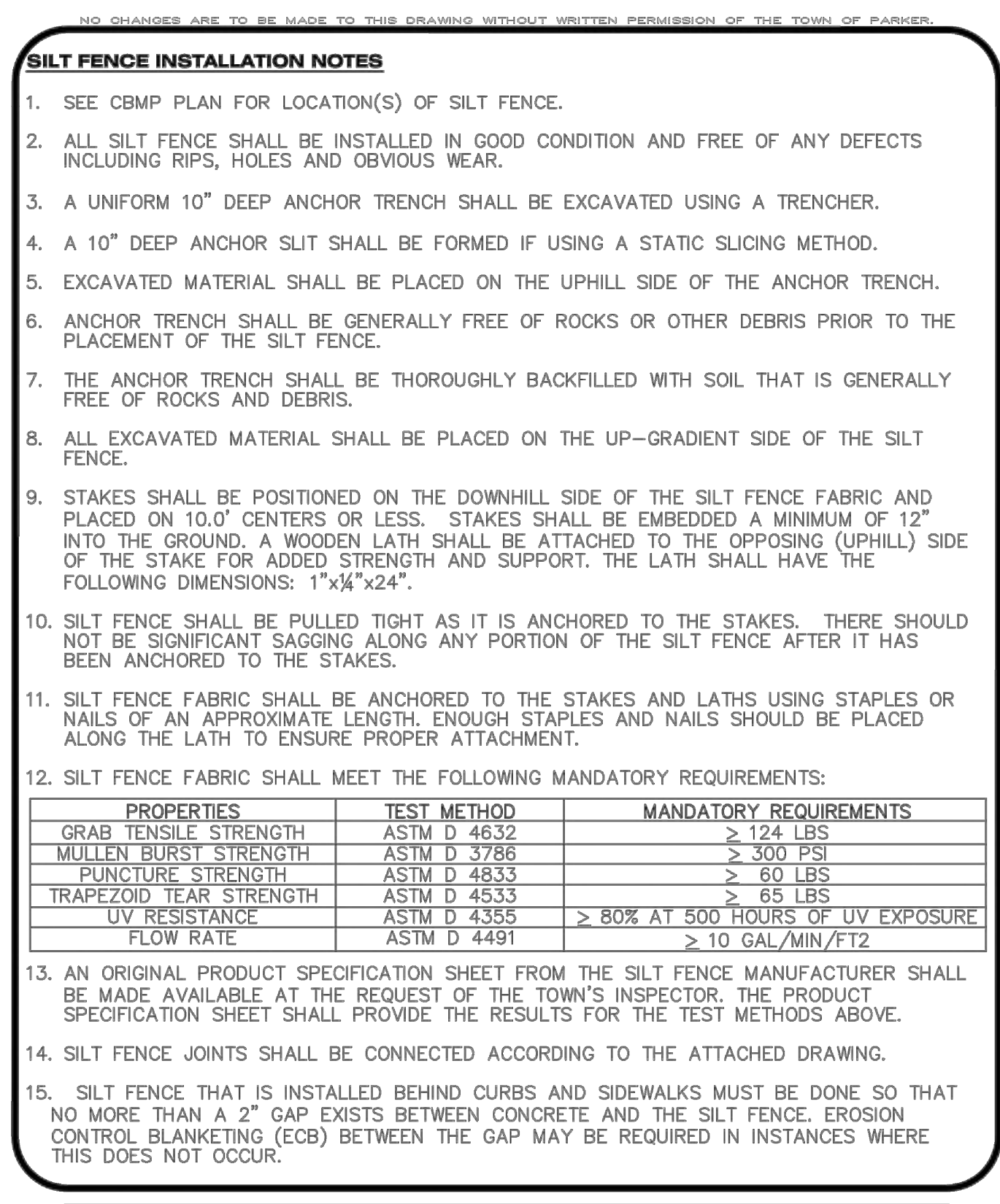
**CBMP** CONSTRUCTION BEST MANAGEMENT PRACTICES  
**SCL** 3 OF 3  
 Oct. 2013



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



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



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



REV	REVISION DESCRIPTION	DATE	CHKD	APPD

COMPARK VILLAGE SOUTH  
 PRIVATE IMPROVEMENT  
 CONSTRUCTION PLANS  
 CBMP DETAILS

ISSUED FOR REVIEW

JOB NUMBER	65120350
DATE	11/09/2022
SHEET	C5.8
TOTAL SHEETS	21

FOR AND ON BEHALF OF MERRICK & COMPANY

THE USE OF ANY CHANGES, REVISIONS, OR AMENDMENTS TO THIS DRAWING SHALL BE THE RESPONSIBILITY OF THE USER. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION AND DATA PROVIDED TO THE USER. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE APPROPRIATE AGENCIES.

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

**SILT FENCE INSPECTION AND MAINTENANCE NOTES**

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE SILT FENCE.
2. ACCUMULATED SEDIMENT SHALL BE REMOVED REGULARLY.
3. 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.
4. SILT FENCE SHALL BE REPLACED WHEN THERE ARE ANY SIGNS OF WEAR AND/OR DAMAGE.
5. 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).

**CBMP**

CONSTRUCTION BEST MANAGEMENT PRACTICES

SF

4 OF 4  
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**

1. SEE PLAN VIEW FOR:
  - LOCATION(S) OF SEEDING AND MULCHING
  - TYPE OF SEED MIX
2. 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.
3. SEEDING MAY BE PERFORMED YEAR ROUND ASSUMING THE SOIL IS NOT FROZEN. SEEDING DURING TIMES OF EXTREME TEMPERATURES SHOULD BE AVOIDED IF POSSIBLE.
4. 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.
5. 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.
6. 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.
7. WHEN INSTALLED WITH A DRILL SEEDER, SEED SHALL BE PLACED AT A DEPTH OF ¼ - ½ INCH. ROW SPACING SHALL BE NO MORE THAN 6-INCHES.
8. 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 ¼ - ½ INCH.
9. 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.
10. 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.

**CBMP**

CONSTRUCTION BEST MANAGEMENT PRACTICES

SMC

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**

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE SEEDING AND MULCHING.
2. ANY SEEDED AND MULCHED AREAS THAT BECOME DAMAGED SHALL BE REPAIRED WITHIN THE TIME FRAME SPECIFIED BY THE TOWN'S INSPECTOR.

**WEED MANAGEMENT**

1. 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.
2. 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.
3. HERBICIDES SHALL BE APPLIED DURING THE APPROPRIATE SEASONS, WHEN TARGET PLANTS ARE ACTIVELY GROWING.
4. 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.
5. 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.

**CBMP**

CONSTRUCTION BEST MANAGEMENT PRACTICES

SMC

2 OF 3  
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% SIDEOATS 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

**CBMP**

CONSTRUCTION BEST MANAGEMENT PRACTICES

SMC

3 OF 3  
Oct. 2013

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

**LESSER SLOPES (4:1 OR LESS)**

SR

**SURFACE ROUGHENING**

**CBMP**

CONSTRUCTION BEST MANAGEMENT PRACTICES

SR

1 OF 2  
Oct. 2013

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

**SURFACE ROUGHENING INSTALLATION NOTES**

1. SEE CBMP PLAN FOR LOCATION(S) OF SURFACE ROUGHENING.
2. DISTURBED AREAS THAT REMAIN INACTIVE FOR 15 DAYS OR MORE MUST RECEIVE SURFACE ROUGHENING OR ANOTHER APPROVED BMP FROM THE SDCOM. DETERMINATION OF JOB SITE INACTIVITY IS AT THE DISCRETION OF THE TOWN'S INSPECTOR.
3. FOR STEEP SLOPES (3:1 OR STEEPER), IT IS ACCEPTABLE TO "TRACK" THE SLOPES, ACCORDING TO THE CBMP DETAILS.
4. SCHEDULES FOR REQUIRING STABILIZATION MAY BE MODIFIED BY THE PERMITEE TO ALLOW FOR SPECIAL CONSIDERATIONS SUCH AS STABILIZING ACCESS AREAS AND AREAS IN CLOSE PROXIMITY TO CONTINUING CONSTRUCTION.

**SURFACE ROUGHENING INSPECTION AND MAINTENANCE NOTES**

1. THE EROSION CONTROL SUPERVISOR SHALL PROACTIVELY INSPECT THE SURFACE ROUGHENING.

**CBMP**

CONSTRUCTION BEST MANAGEMENT PRACTICES

SR

2 OF 2  
Oct. 2013



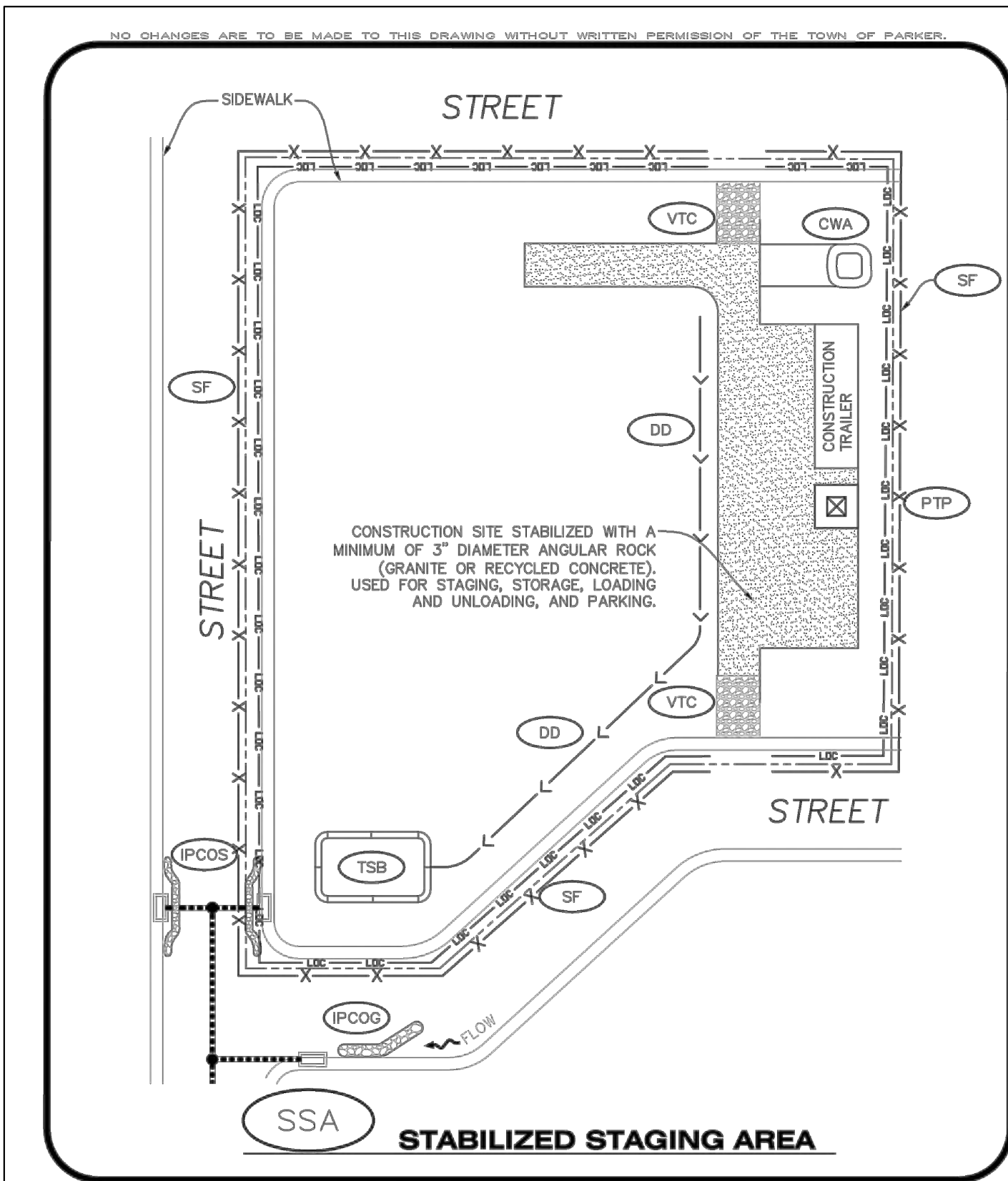
REV	REVISION DESCRIPTION	DATE	(CHND/CHKD/APPR)

**COMPARK VILLAGE SOUTH**  
 PRIVATE IMPROVEMENT  
 CONSTRUCTION PLANS  
 CBMP DETAILS

ISSUED FOR REVIEW  
 FOR AND ON BEHALF OF MERRICK & COMPANY

JOB NUMBER: 65120350  
 DATE: 11/09/2022  
 SHEET: C5.9  
 22

THIS AND ANY OTHER BEST MANAGEMENT PRACTICES (BMP) PRESENTED IN THIS DRAWING ARE FOR INFORMATION PURPOSES ONLY. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE TOWN OF PARKER AND ANY OTHER AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE TOWN OF PARKER AND ANY OTHER AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE TOWN OF PARKER AND ANY OTHER AGENCIES.



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**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES

**SSA**  
1 OF 2  
Oct. 2013

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

**STABILIZED STAGING AREA INSTALLATION NOTES**

- SEE CBMP PLAN FOR LOCATION OF STAGING AREA. CONTRACTOR MAY MODIFY LOCATION AND SIZE OF STABILIZED STAGING AREA WITH TOWN APPROVAL.
- STABILIZED STAGING AREA SHALL BE LARGE ENOUGH TO FULLY CONTAIN PARKING, STORAGE, AND LOADING OPERATIONS.
- THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM OF 3" DIAMETER OF ANGULAR ROCK (GRANITE OR RECYCLED CONCRETE).
- SSA FOR SMALLER SITES MAY NOT BE PRACTICAL. IN THESE AND SIMILAR SITUATIONS, VARIANCES MAY BE PERMITTED BY THE TOWN.

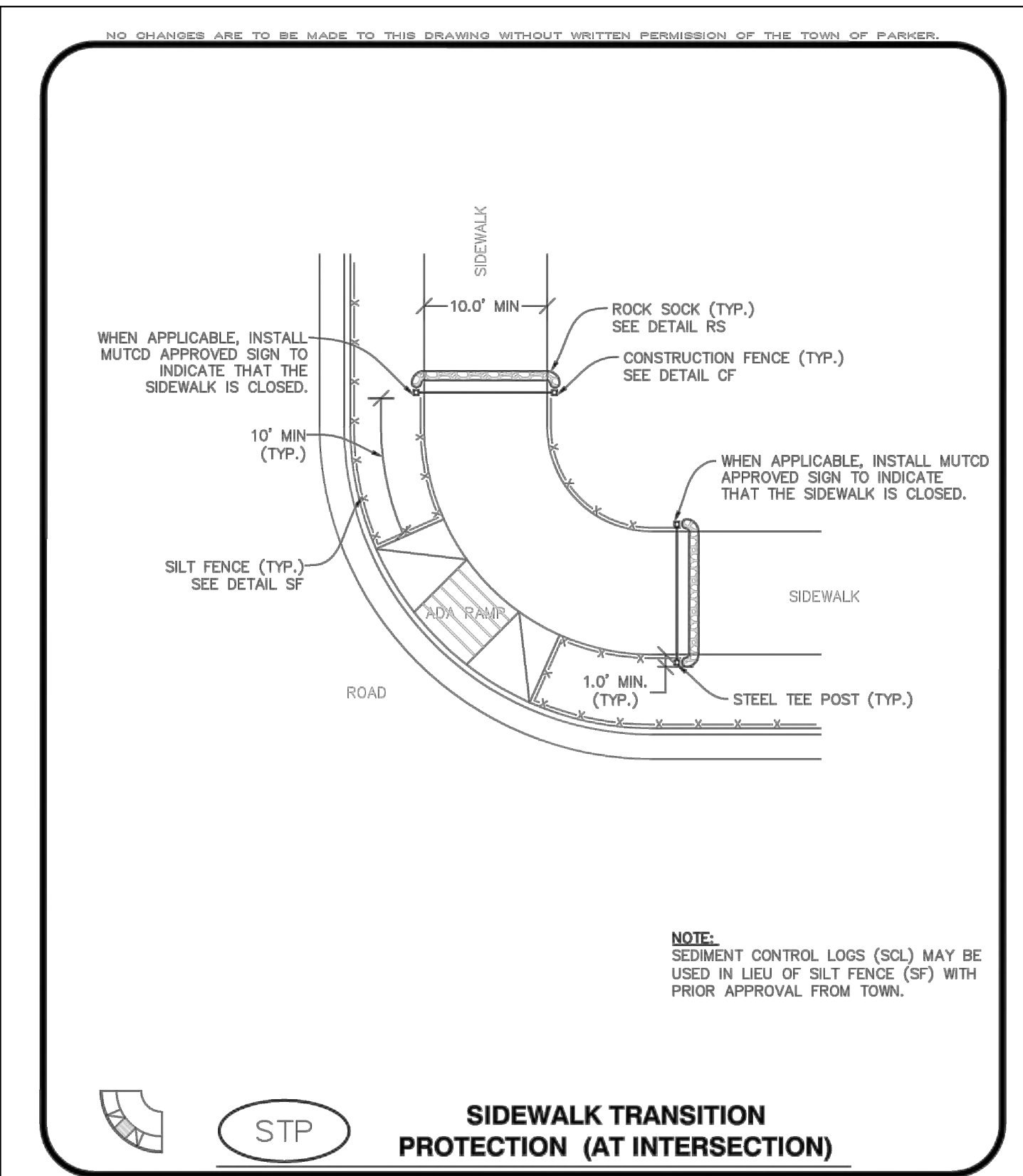
**STABILIZED STAGING AREA INSPECTION AND MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE STAGING AREA.
- STABILIZED STAGING AREA SHALL BE ENLARGED AS NECESSARY TO CONTAIN PARKING, STORAGE, LOADING, AND UNLOADING.

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

**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES

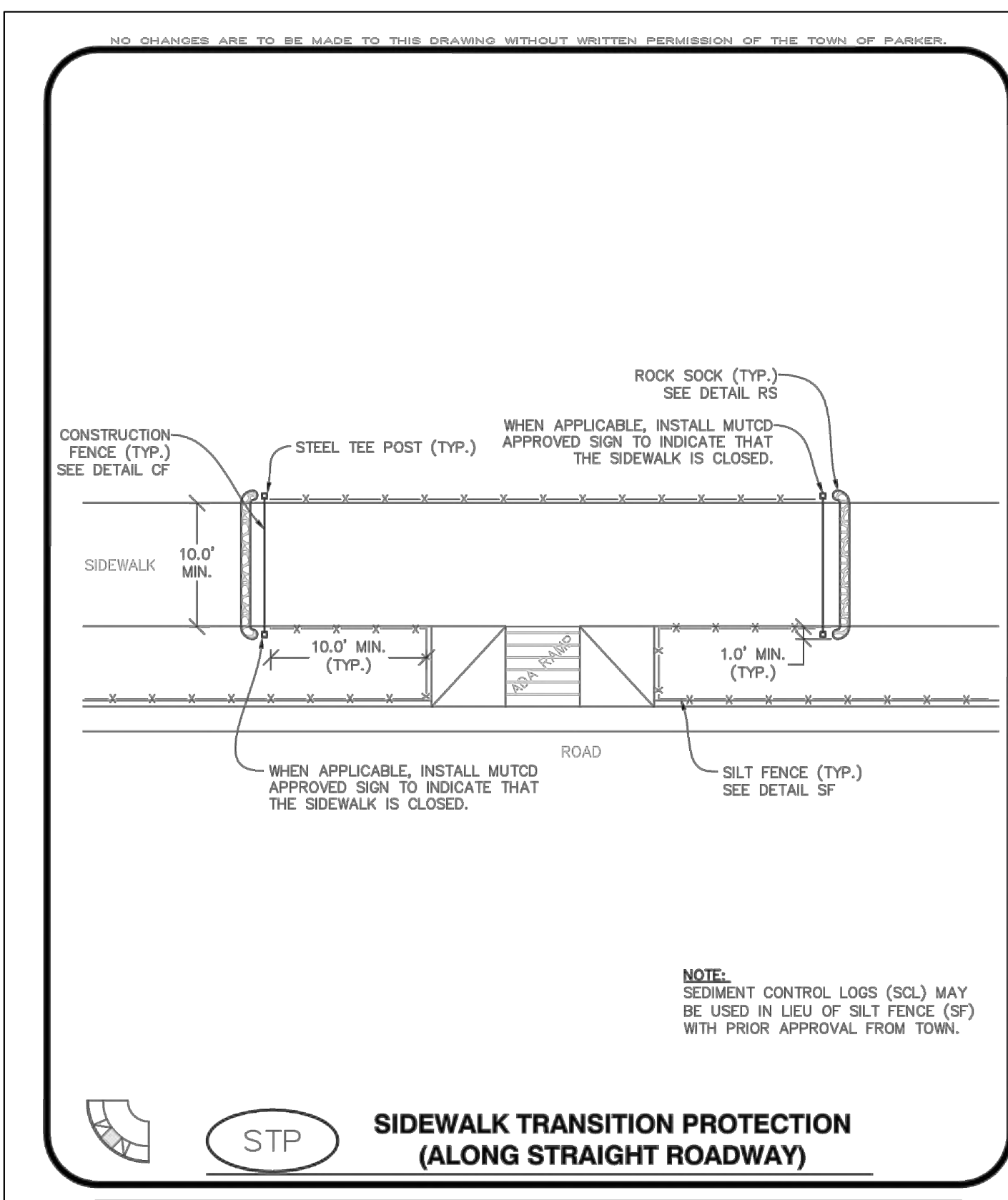
**SSA**  
2 OF 2  
Oct. 2013



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

**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES

**STP**  
1 OF 3  
Oct. 2013



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

**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES

**STP**  
2 OF 3  
Oct. 2013

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

**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.

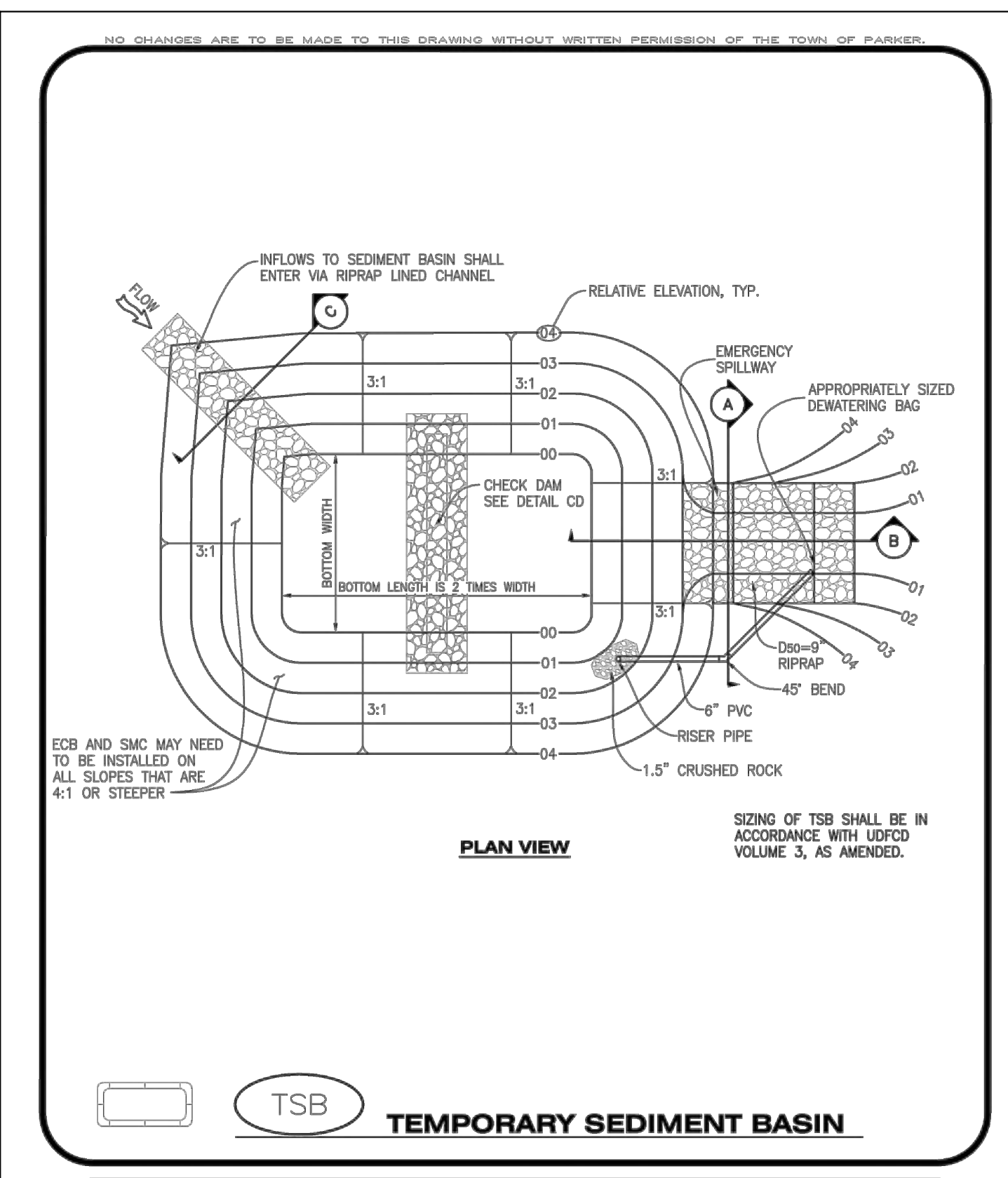
**SIDEWALK TRANSITION PROTECTION INSPECTION & MAINTENANCE NOTES**

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE SIDEWALK TRANSITION INSPECTION.

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

**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES

**STP**  
3 OF 3  
Oct. 2013



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

**CBMP**  
CONSTRUCTION BEST MANAGEMENT PRACTICES

**TSB**  
1 OF 3  
Oct. 2013



REV	REVISION DESCRIPTION	DATE	CHKD	CHKD	APPR

**COMPARK VILLAGE SOUTH**  
PRIVATE IMPROVEMENT  
CONSTRUCTION PLANS  
CBMP DETAILS

JOB NUMBER	65120350
DATE	11/09/2022
SHEET	C5.10
TITLE	ISSUED FOR REVIEW
FOR AND ON BEHALF OF MERRICK & COMPANY	23





THE USE OF THESE STANDARD DETAILS IS AN ACKNOWLEDGMENT OF THE USER'S RESPONSIBILITY TO VERIFY THE APPLICABILITY OF THESE DETAILS TO THE PROJECT. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

**PLAN VIEW**  
SCALE: 3/8" = 1'-0"

**SECTION**  
SCALE: 3/8" = 1'-0"

REFERENCE: CITY AND COUNTY OF DENVER DRAWING NUMBER S-616.1

**COMBINATION INLET TYPE 13/ DENVER TYPE 16 - SINGLE NO. 16 OPEN THROAT INLET ADJUSTABLE CURB BOX**

Issued: 05/2013

Revised: \_\_\_\_\_

Drawing No. **SP.38a**

**SECTION**  
SCALE: 3/8" = 1'-0"

**DETAIL FISH LOGO**  
SCALE: NO SCALE

**DETAIL CONNECTOR OUTLET**  
SCALE: 3/8" = 1'-0" (OPTIONAL)

REFERENCE: CITY AND COUNTY OF DENVER DRAWING NUMBER S-616.1

**COMBINATION INLET TYPE 13/ DENVER TYPE 16 - SINGLE NO. 16 OPEN THROAT INLET ADJUSTABLE CURB BOX**

Issued: 05/2013

Revised: \_\_\_\_\_

Drawing No. **SP.38b**

**RIGID PIPE**

**FLEXIBLE PIPE**

**MAXIMUM HEIGHT OF FILL OVER TOP OF PIPE IN FEET**

Reinforced Concrete	STEEL - 2 2/3" x 1/2" CORRUGATIONS			
	H	B	W	V
18-35	4-7	.064	.064	.064
36-42	.079	.079	.079	.079
42-48	.079	.079	.109	.138
48-54	.079	.109	.138	.168
54-60	.109	.138	.168	.198
60-66	.138	.168	.198	.228
66-72	.168	.198	.228	.258
72-78	.198	.228	.258	.288
78-84	.228	.258	.288	.318
84-90	.258	.288	.318	.348

REFERENCE: CITY AND COUNTY OF DENVER DRAWING NUMBER S-616.1

**PIPE INSTALLATION IN TRENCH**

Issued: 05/2013

Revised: \_\_\_\_\_

Drawing No. **SP.46a**

**NOTES:**

- This trench backfill detail specifies requirements in addition to those specified in the latest edition of the Colorado Department of Transportation's Standard Specifications for Road and Bridge Construction.
- A construction traffic control plan shall be submitted to and approved by Douglas County prior to issuance of construction permits in the County right-of-way.
- Trench shall be braced or shored as necessary for the safety of the workers and protection of other utilities or structures in accordance with applicable local, state and federal safety regulations.
- The trench width shall be confined to those minimum dimensions, which will permit proper installation and acceptable pipe loading, as established by current local, state and federal Safety regulations.
- Backfill compaction requirements: Minimum density will be determined in accordance with AASHTO T 99 or T 180 as defined by CDOT Standard Specifications Section 203.07 and CDOT 703.03. Except for CLSM.
- Full depth asphalt can be used as an alternative to base course.
- Pavement edges shall be saw-cut. Edges shall be tack coated prior to patching.
- All storm sewers shall be constructed so that a minimum cover is maintained to withstand AASHTO HS-20 loading on the pipe. The minimum cover to withstand live loading depends upon the pipe size, type and class, and soil bedding condition, but shall be not less than 1-foot at any point along the pipe. Other factors that affect the depth of the pipe are hydraulic grade line elevations, inlet depths, adjacent utilities or utility crossings, including water and sewer services lines along residential streets, and connections to existing storm sewer systems. The roadway subgrade, which supports the pavement section is typically plowed to a certain depth, moisture treated and compacted prior to the placement of the sub-base, base course, and surfacing. There are also instances where the subgrade material must be excavated and replaced or treated to a certain depth to mitigate swelling soils. These efforts can impact the storm sewer system if it has not been designed with adequate depth. The design engineer shall use the best information available, including pavement design or soils reports (if available) to ensure that storm sewer pipes have adequate depth.
- Changes in design criteria will require compensating change in pipe design.
- When pipe sewer is to be extended or replaced with pipe of different material, the connections shall conform to the detail shown on plans or be approved through Douglas County Engineering.
- When two or more conduits are laid side-by-side, they shall be placed so that they are 1/2 outside diameter, or 3' apart, whichever is less. However, if end sections are used, the minimum spacing shall be 1' between the outside edge of end sections.
- TRENCH INSTALLATION** (per OSHA Standards):
  - Trenches over 5 feet in depth shall be either shored or the trench walls shall be sloped no steeper than 3:1 to the angle of repose. If sloped, the bottom of the slope shall be a minimum of 1 foot above the top of the pipe.
  - Shoring will be required when the bottom of the slope is more than 3 feet above the bottom of the trench.
  - All sheeting or shoring to be removed.
- CLSM may be used in place of Structural Backfill.
- CLSM shall not exceed a strength over 1000 p.s.i.

REFERENCE: Douglas County Drainage Manual and Colorado Department of Transportation "M" Standards.

**TO BE USED IN OPEN FIELDS OR PRIOR TO PAVING ROADS**

**PIPE INSTALLATION IN TRENCH NOTES**

Issued: 05/2013

Revised: \_\_\_\_\_

Drawing No. **SP.46b**

**LOCAL STREETS**

4" TOWN LOGO

36"

**ARTERIALS/COLLECTORS**

6" TOWN LOGO

48"

6" TOWN LOGO

60" (MAXIMUM)

**GENERAL NOTES**

- STREET NAME SIGNS SHALL BE ON EXTRUDED ALUMINUM BLANKS. ARTERIALS/COLLECTORS SHALL HAVE 9" HIGH PANELS. LOCALS MAY HAVE 6" HIGH PANELS. ARTERIAL/COLLECTOR SIZE BLANKS SHALL NOT EXCEED 60". LOCAL SIZE BLANKS SHALL NOT EXCEED 48".
- SIGN POSTS FOR INSTALLING STREET NAME SIGNS SHALL BE 12 GAUGE Nex/S-SquareTube STEEL. FINISH TO BE HOT DIPPED GALVANIZED (ASTM A-653 G90). SIZE OF POST TO BE NOMINAL 2" x 2".
- SIGN MOUNTING HARDWARE TO BE ZINC OR CADMIUM PLATED.
- SIGN SHEETING SHALL BE REFLECTORIZED AND AFFIXED TO BOTH SIDES OF STREET NAME SIGN BLANK. PRIMARY SHEETING MATERIAL TO BE HIGH INTENSITY PRISMATIC WHITE WITH GREEN TRANSPARENT ELECTRO-CUT FILM. TOWN LAMP LOGO TO BE BLACK FILM ON WHITE SHEETING.
- STREET NAME FONTS SHALL BE STANDARD HIGHWAY GOTHIC SERIES. TOTAL CHARACTERS INCLUDING SUFFIX SHALL NOT EXCEED 14.
- MOUNTING HEIGHTS AND LOCATIONS TO BE PER MUTCD GUIDELINES OR AS DIRECTED BY THE TOWN.
- PRIVATE ROADS SHALL USE PRIVATE ROAD GRAPHIC IN PLACE OF TOWN LOGO.

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

**PARKER COLORADO**

**GROUND MOUNTED STREET NAME PANELS**

DATE: NOVEMBER 2020

DETAIL: 32

1 OF 1

**TOP BACK OF CURB**

18"

4.5"

12"

1.5" R

**MEDIAN CURB AND GUTTER SECTION**  
(CDOT CURB AND GUTTER TYPE 2 (SECTION I-B))

30"

4.5"

24"

1.5" R

**VERTICAL CURB AND GUTTER SECTION**  
(CDOT CURB AND GUTTER TYPE 2 (SECTION II-B))

11"

24"

1.5" R

2"

61.5"

6.5"

27"

**MOUNTABLE CURB AND GUTTER SECTION**

60"

1.5% SLOPE TYP.

2% SLOPE MAX.

11"

24"

1.5" R

2"

**MONOLITHIC COMBINATION CURB, GUTTER AND SIDEWALK SECTION**

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

**PARKER COLORADO**

**CURB, GUTTER, AND SIDEWALK SECTIONS STANDARD DETAIL**

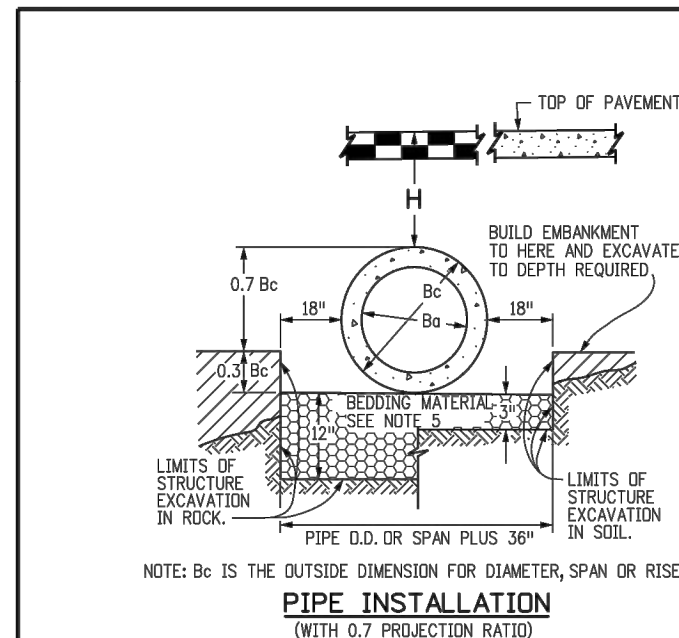
DATE: NOVEMBER 2020

DETAIL: 3

1 OF 1

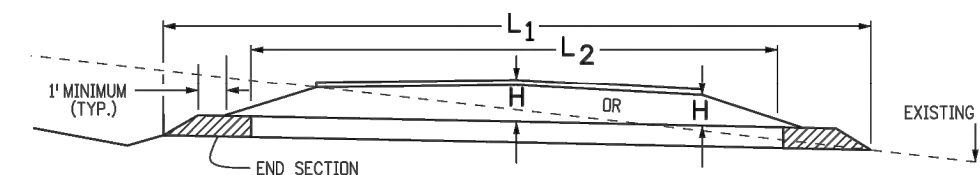
REV	REVISION DESCRIPTION	DATE	CHKD	APPRI

THE USE OF ANY OTHER MATERIALS OR METHODS OF CONSTRUCTION IS AN ATTEMPT AT VARIATION OF THE DESIGN. VARIATIONS OF THE DESIGN SHALL BE MADE AT THE RISK OF THE USER. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

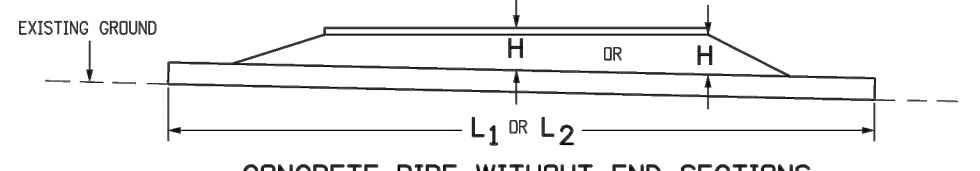
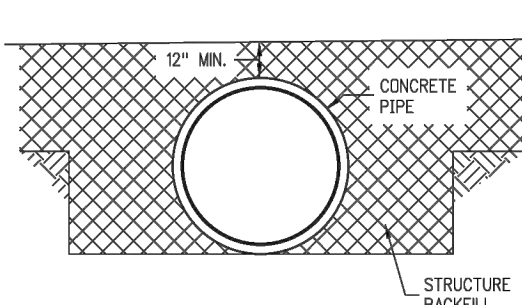


CIRCULAR (CR)			VERTICAL ELLIPTICAL (VE)			HORIZONTAL ELLIPTICAL (HE)		
PIPE SIZE - B <sub>o</sub> (INSIDE DIA)	WALL THICKNESS (IN)	0.3 B <sub>c</sub> (OUTSIDE DIA) FT.	SPAN (IN)	RISE (IN)	WALL THICKNESS (IN)	0.3 OUTSIDE RISE FT.	SPAN (IN)	RISE (IN)
12	2	0.40					23	14
15	2-1/4	0.49						
18	2-1/2	0.58						
21	2-3/4	0.66					30	19
24	3	0.75					34	22
27	3-1/4	0.84						
30	3-1/2	0.92					38	24
33	3-3/4	1.01					45	29
36	4	1.10	29	45	4-1/2	1.35	45	29
42	4-1/2	1.28	34	53	5	1.58	53	34
48	5	1.45	38	60	5-1/2	1.78	60	38
54	5-1/2	1.62	43	68	6	2.00	68	43
60	6	1.80	48	76	6-1/2	2.23	76	48
66	6-1/2	1.97	53	83	7	2.43	83	53
72	7	2.15	58	91	7-1/2	2.65	91	58
78	7-1/2	2.32	63	98	8	2.85	98	63
84	8	2.50	68	106	8-1/2	3.08	106	68
90	8-1/2	2.68	72	113	9	3.28	113	72
96	9	2.85	77	121	9-1/2	3.50	121	77
102	9-1/2	3.02	82	128	9-3/4	3.69	128	82
108	10	3.20	87	136	10	3.90	136	87

△ ALSO EQUIVALENT ROUND DIMENSION FOR ELLIPTICAL PIPE.  
DIMENSIONS FOR REINFORCED CONCRETE PIPE (FOR INFORMATION ONLY)



NOTE: USE THE H THAT IS GREATER FOR MAXIMUM ALLOWABLE FILL HEIGHT.  
H = HEIGHT OF FILL OVER TOP OF PIPE, INCLUDING PAVEMENT THICKNESS.  
L<sub>1</sub> = LENGTH OF PIPE TO BE MEASURED WHEN PLACED IN ACCORDANCE WITH SECTION 624.  
L<sub>2</sub> = LENGTH OF PIPE TO BE MEASURED WHEN PLACED IN ACCORDANCE WITH SECTION 603.



NOTE: USE THE H THAT IS GREATER FOR MAXIMUM ALLOWABLE FILL HEIGHT.

GENERAL NOTES  
REINFORCED CONCRETE PIPE

- FILL HEIGHTS GREATER THAN MAXIMUM ALLOWED IN THE HEIGHTS OF FILL TABLE ON THIS SHEET REQUIRE SPECIAL DESIGN OF STRUCTURE.
- PIPE DESIGN IS BASED ON SAFETY FACTOR OF 1.33 ON ULTIMATE STRENGTH.
- THE HEIGHTS OF FILL OVER TOP OF PIPE ARE BASED ON UNIT WEIGHT OF SOIL AT 135 LBS. PER CUBIC FT.
- PIPE CLASS IS DETERMINED FROM 0.01 IN. CRACK D-LOAD.
- BEDDING IS CLASS B (MODIFIED FROM CONCRETE PIPE DESIGN MANUAL-AMERICAN CONCRETE PIPE ASSOCIATION WITH SETTLEMENT RATIO R = 0.24 CYCLING RED). BEDDING MATERIAL FOR RIGID PIPE IN SOIL SHALL BE 3 IN. LOOSE THICKNESS STRUCTURE BACKFILL CLASS 2 BEDDING MATERIAL FOR RIGID PIPE IN ROCK SHALL BE 12 IN. LOOSE THICKNESS STRUCTURE BACKFILL CLASS 1.
- CHANGES IN DESIGN FACTORS REQUIRE COMPENSATING CHANGES IN PIPE DESIGN.
- MINIMUM WALL THICKNESS DIMENSIONS ARE BASED ON ASHTO M 170 (WALL B) FOR CIRCULAR PIPE AND ASHTO M 207 FOR ELLIPTICAL PIPE.
- SPACING FOR MULTIPLE PIPE INSTALLATIONS SHALL CONFORM TO THE DETAILS SHOWN ON STANDARD PLAN M-206-1.
- WHEN A PIPE IS TO BE EXTENDED, THE SAME PIPE MATERIAL AND SIZE AS IN THE ORIGINAL PIPE INSTALLATION SHALL BE USED.

NONREINFORCED CONCRETE PIPE

- AT THE OPTION OF THE CONTRACTOR, NONREINFORCED CONCRETE PIPE CONFORMING TO ASHTO M 88 MAY BE USED IN LIEU OF REINFORCED CONCRETE PIPE FOR ALL SIZES 36 INCHES IN DIAMETER AND SMALLER. THE NONREINFORCED CONCRETE PIPE SHALL MEET THE SAME D-LOAD TO PRODUCE THE ULTIMATE LOAD UNDER THE THREE-EDGE BEARING METHOD AS SPECIFIED FOR REINFORCED CONCRETE PIPE. IN CONFORMANCE WITH ASHTO M 170, THE CONTRACTOR SHALL PROVIDE WRITTEN CERTIFICATION OF CONFORMANCE. THE WALL THICKNESS OF THE NONREINFORCED PIPE MAY BE INCREASED AS REQUIRED TO MEET D-LOAD REQUIREMENT.
- ALL REQUIREMENTS FOR REINFORCED CONCRETE PIPE, EXCEPT THOSE REFERRING TO REINFORCEMENT, SHALL APPLY TO NONREINFORCED CONCRETE PIPE.

TYPE OF PIPE	HEIGHT OF FILL OVER TOP OF PIPE, H (FEET) (0.01 IN. CRACK D-LOAD)					
	CLASS CIR II CLASS VE II	CLASS CIR III CLASS HE III	CLASS CIR IV CLASS HE IV	CLASS CIR V CLASS HE V	CLASS VE VI	
CIRCULAR (CR)	1000 D	1350 D	2000 D	3000 D	4000 D	
VERTICAL ELLIPTICAL (VE)	1 TO 18	1 TO 25	± 25 TO 37	± 37 TO 45	± 45 TO 62	
HORIZONTAL ELLIPTICAL (HE)	1 TO 18	1 TO 25	± 25 TO 37	± 37 TO 45		

ALLOWABLE RANGE OF HEIGHTS FOR FILL OVER REINFORCED CONCRETE PIPE (ALL SIZES)

Computer File Information

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Designer Initials: JKB  
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Detailer Initials: LTA  
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English

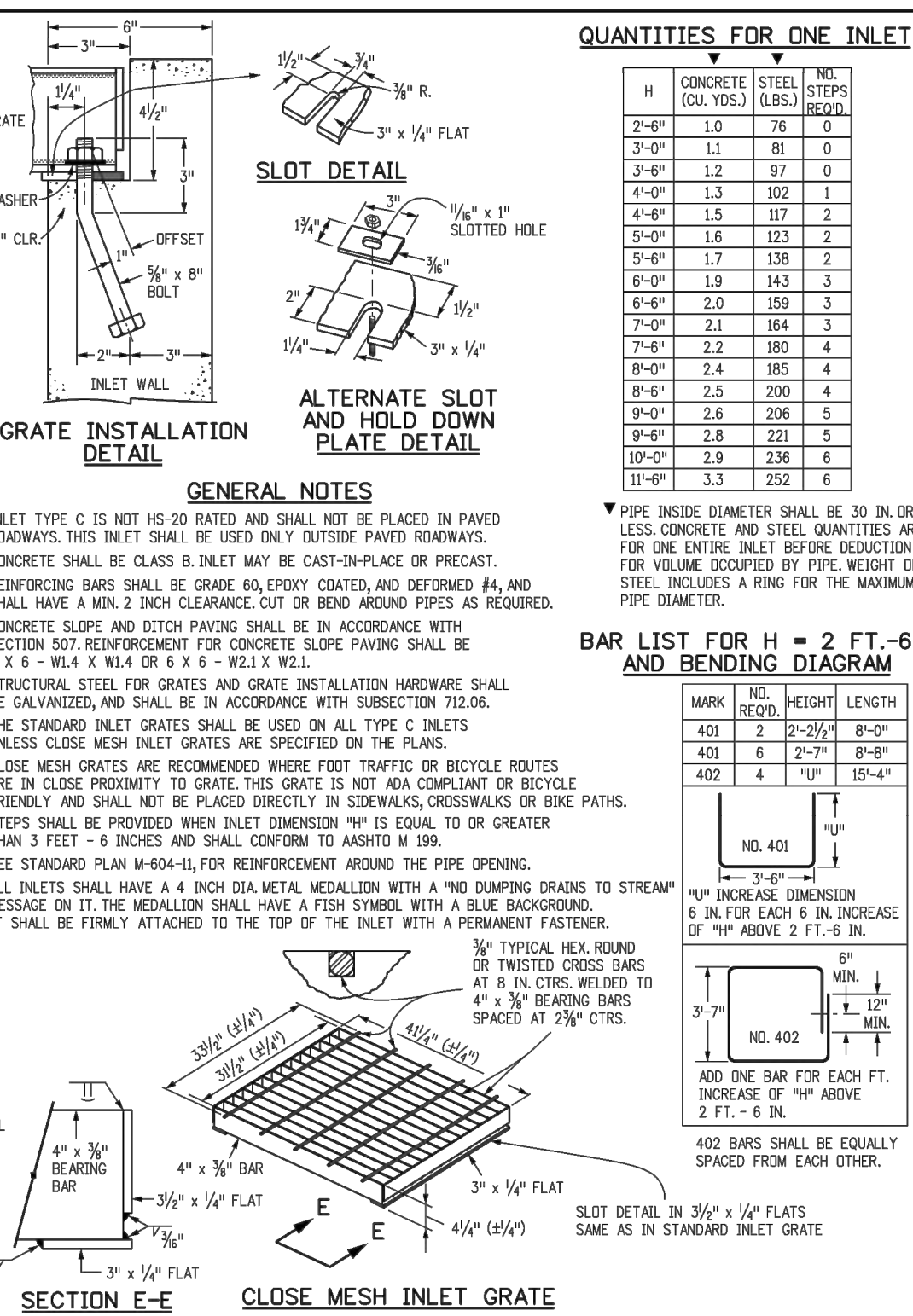
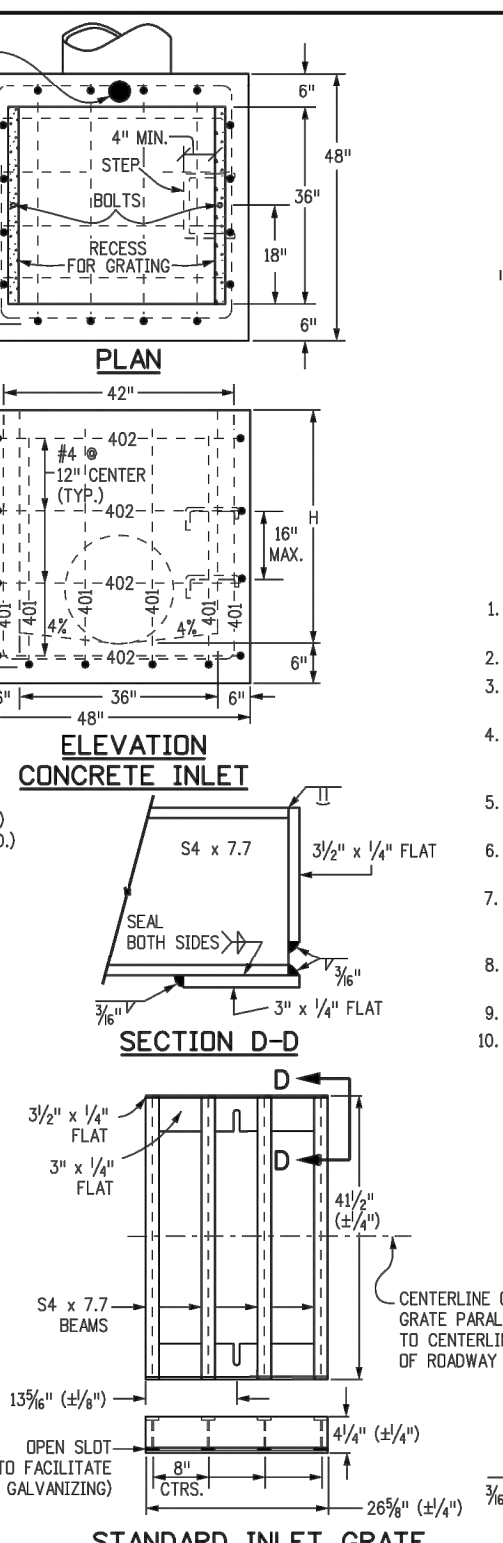
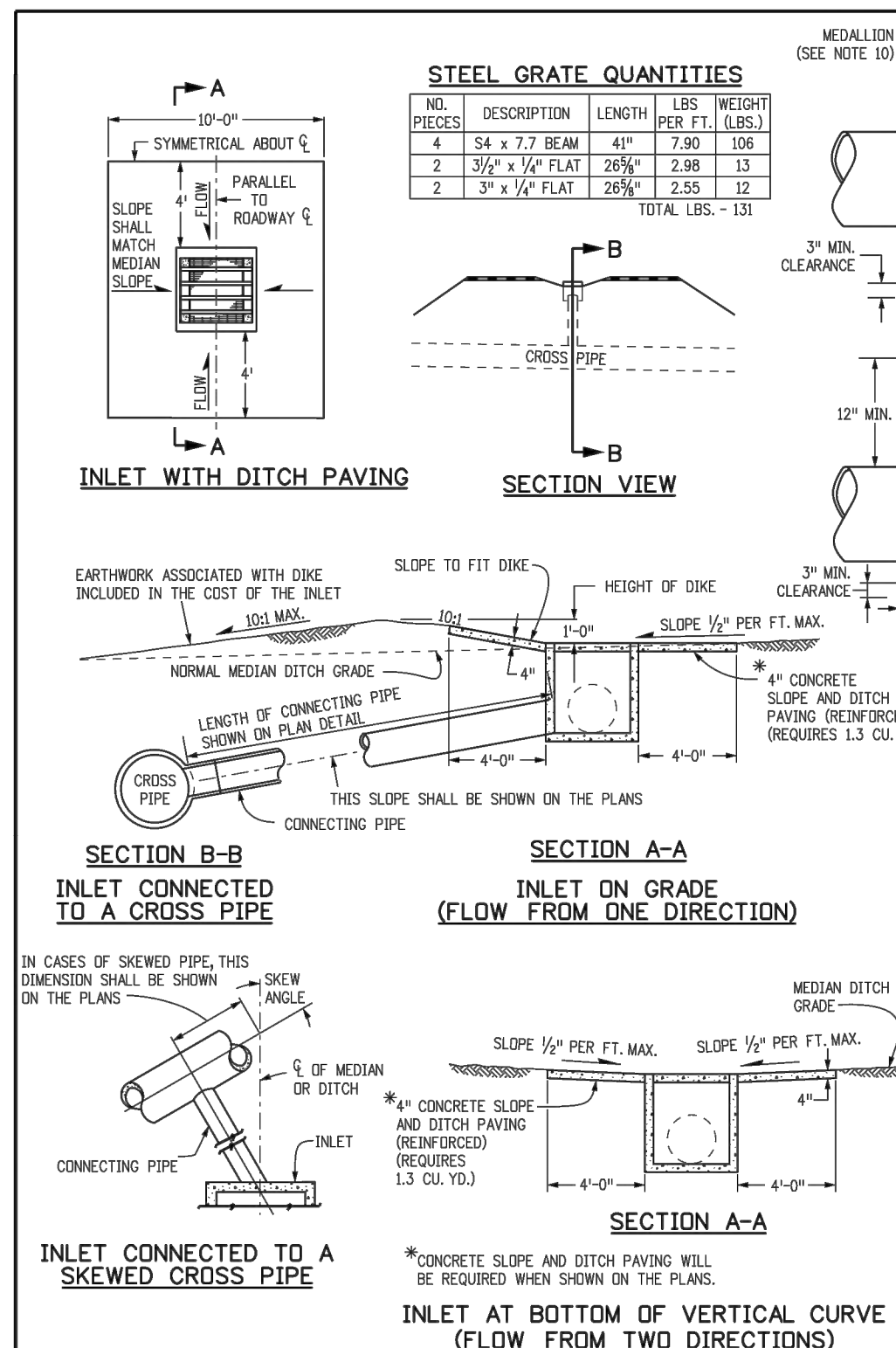
Sheet Revisions

Date:	Comments:

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Project Development Branch JKB

REINFORCED CONCRETE PIPE

STANDARD PLAN NO. M-603-2  
Standard Sheet No. 1 of 1  
Project Sheet Number:



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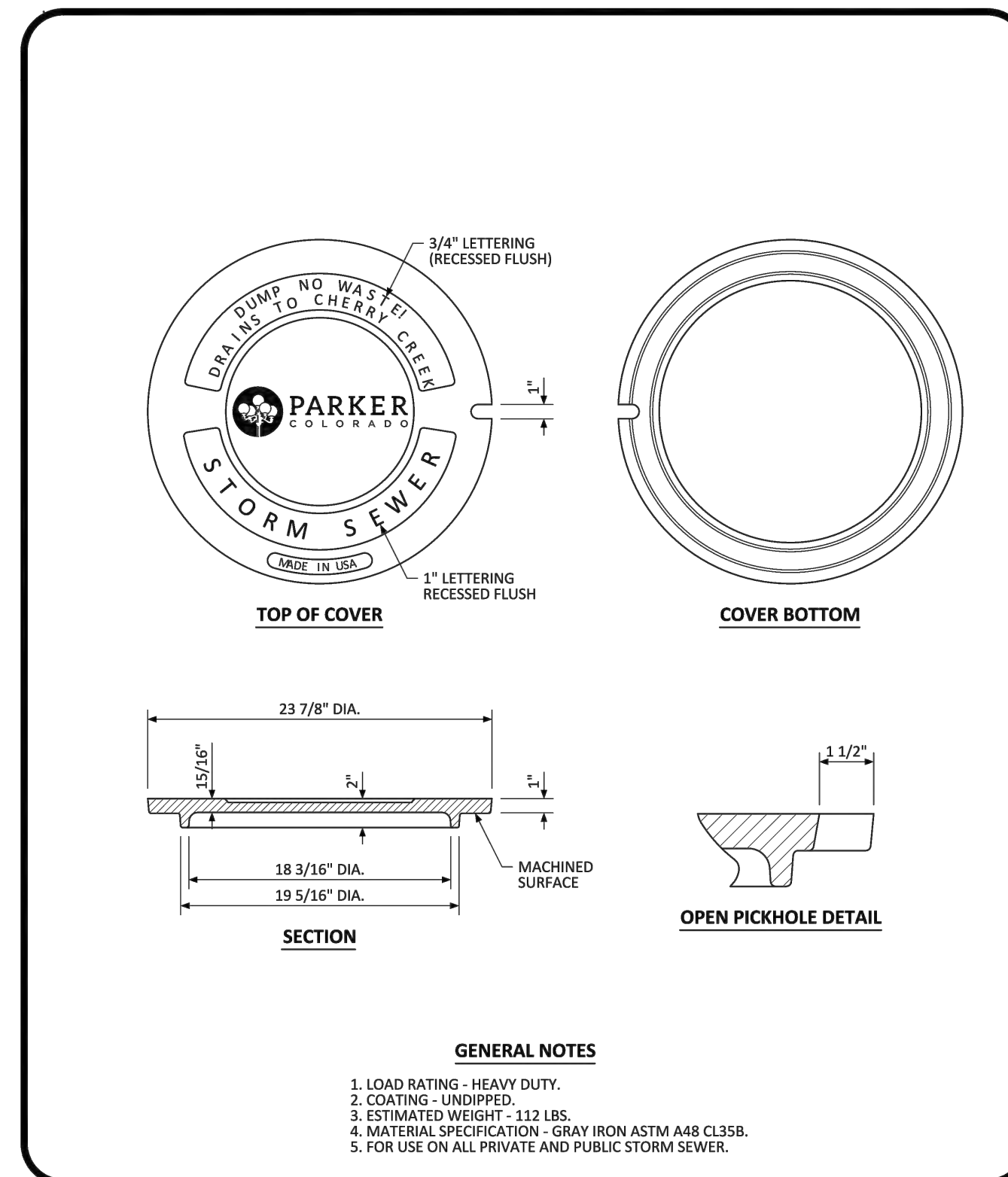
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INLET, TYPE C

STANDARD PLAN NO. M-604-10  
Standard Sheet No. 1 of 1  
Project Sheet Number:



PARKER COLORADO

MANHOLE COVER STANDARD DETAIL

DATE NOVEMBER 2020  
DETAIL 33  
1 OF 1

REV	REVISION DESCRIPTION	DATE	CHNO/CHKD/APPR



