

# GRADING & CONSTRUCTION BEST MANAGEMENT PRACTICES PLANS FOR COMPARK VILLAGE SOUTH, FILING NO. 1 PARKER, COLORADO

THE WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 6, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN BEING MONUMENTED AS SHOWN HEREON HAVING A BEARING OF NORTH 00°29'49" WEST, AS DETERMINED BY GPS OBSERVATION FROM NGS CONTROL POINTS IN THE COLORADO CENTRAL ZONE, STATE PLANE COORDINATE SYSTEM TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO

## AGENCY CONTACT LIST

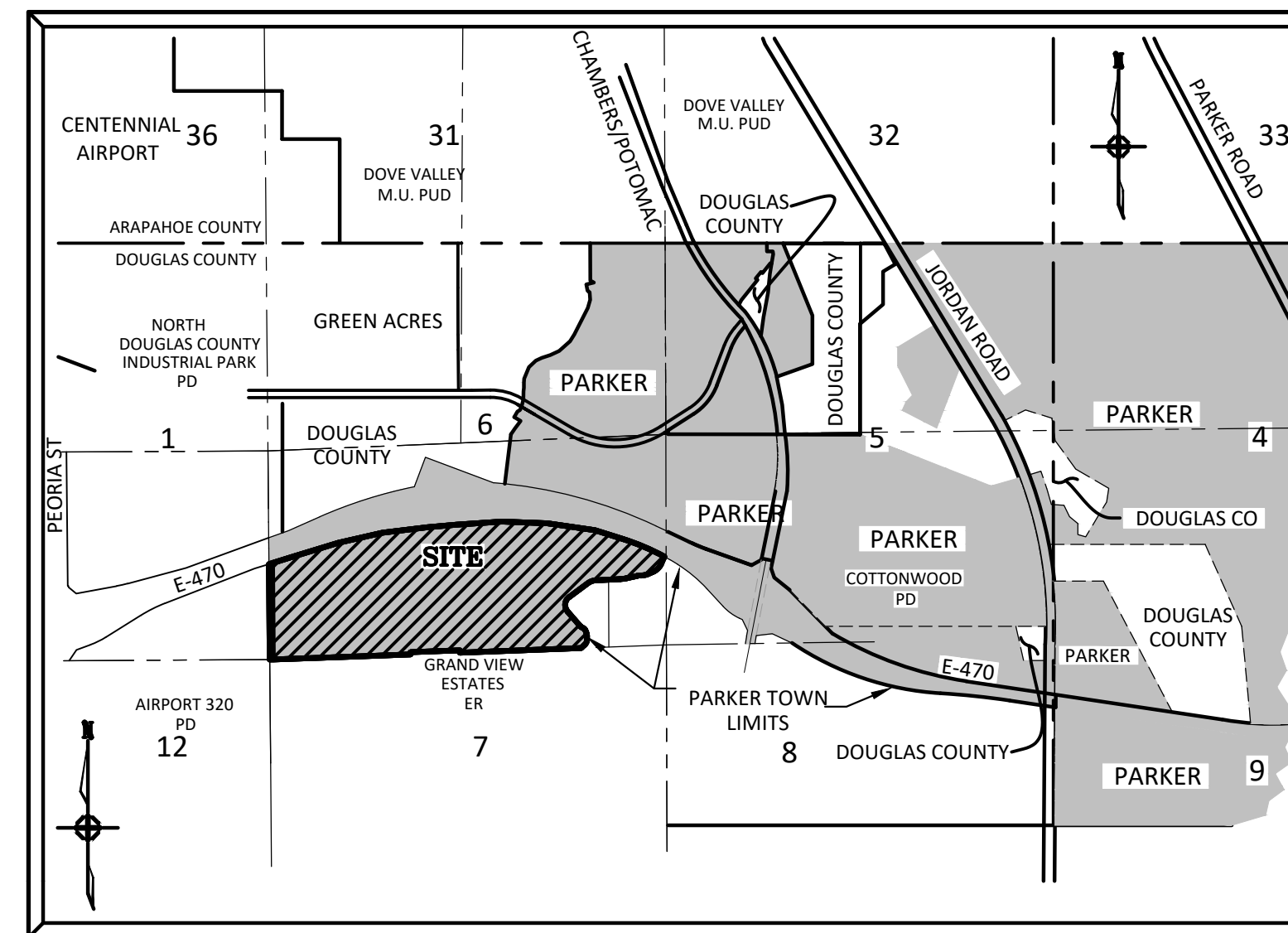
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## BENCHMARKS: (COMPARK SOUTH)

**SOURCE BENCHMARKS:**  
DOUGLAS COUNTY BM 1.115010  
A DOUGLAS COUNTY GIS MONUMENT SET IN CONCRETE LOCATED APPROXIMATELY 130 FEET SOUTHWESTERLY OF THE CENTERLINE OF CHAMBERS ROAD AND 95 FEET NORTHWESTERLY OF THE CENTERLINE OF COMPARK BOULEVARD.  
ELEVATION = 5752.84 (NAVD 88)

## SITE BENCHMARKS:

- A NO. 5 REBAR WITH 2" ALUMINUM CAP STAMPED "LS 28286, 2001" FOUND AT THE SOUTHWEST CORNER OF SECTION 6, T6S, R66W LOCATED ON THE WEST LINE OF FIRST STREET APPROXIMATELY 1000 FEET NORTH OF ELM AVENUE.  
ELEVATION = 5845.51
- A 2.5" IRON PIPE WITH 3.25" ALUMINUM CAP STAMPED "PLS 12405, 1997" FOUND AT THE SOUTHEAST CORNER OF SECTION 6, T6S, R66W LOCATED APPROXIMATELY 960 FEET NORTH OF THE CENTERLINE OF AVENTERRA PARKWAY AND APPROXIMATELY 1050 FEET WEST OF THE CENTERLINE OF CHAMBERS ROAD.  
ELEVATION = 5808.06



**VICINITY MAP**  
N.T.S.

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18-21	OVERLOT GRADING - RESIDENTIAL SITE
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DATE	REVISIONS
07/31/20	RESPONDED TO TOWN COMMENTS
05/01/20	RESPONDED TO TOWN COMMENTS
03/03/20	UPDATE GAT & ADD OFF-LINE DET BASIN
11/17/19	4TH SUBMITTAL
06/20/19	REVISED PLANS PER TOWN REFERRAL COMMENTS
02/20/19	REVISED PLANS PER TOWN REFERRAL COMMENTS

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Water Resource Management | Construction Management

**COMPARK VILLAGE SOUTH - GRADING & CBMB PLANS**  
**TOWN OF PARKER, COLORADO**  
**COVER SHEET**

PROJ. MGR.: RJM  
PROJ. ASSOC.: BRB  
DRAWN BY:  
DATE: 11/20/15  
SHEET  
**1 OF 30**

## TOWN OF PARKER APPROVALS

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 PLAN 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 DOCUMENT.

THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF ANY PRIVATE ON-SITE IMPROVEMENTS WHICH MAY BE SHOWN. CONSTRUCTION CANNOT COMMENCE UNTIL ALL REQUIRED DRAINAGE/TRAFFIC REPORT(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.

TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS \_\_\_\_\_ DATE \_\_\_\_\_



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PRELIMINARY - NOT FOR CONSTRUCTION

Plotted: 7/31/2020 12:34 PM. Dwg Name: P:\Cadd\3\CompSouth\12-Filing\_1.No.GAT\CompSouth03\_Ultimate\Belford Ave\04\1\CompSouth02.1.CBMP-ONLY\CV-GN.dwg. Updated By: jhawthorne

GENERAL NOTES:

- 1. ALL CONSTRUCTION SHALL COMPLY WITH THE STONEGATE WATER AND SANITATION DISTRICT SYSTEM SPECIFICATIONS. THE TOWN OF PARKER ROADWAY DESIGN AND CONSTRUCTION CRITERIA, THE TOWN OF PARKER STORM DRAINAGE AND ENVIRONMENTAL CRITERIA, THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT, THE COLORADO STATE BOARD OF HEALTH, THE ENVIRONMENTAL PROTECTION AGENCY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.
2. THE CONTRACTOR SHALL CONTACT ALL APPROPRIATE UTILITY COMPANIES AND THE TOWN OF PARKER PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ANY EXISTING UTILITY (INCLUDING DEPTHS) WHICH MAY CONFLICT WITH THE PROPOSED CONSTRUCTION. ALL EXISTING UTILITIES SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. DAMAGED UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE. ALL ITEMS SHOWN ON THE PLANS AS EXISTING ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. THE ACTUAL LOCATIONS MAY VARY FROM THE PLANS, ESPECIALLY IN THE CASE OF UNDERGROUND UTILITIES. WHENEVER THE CONTRACTOR DISCOVERS A DISCREPANCY IN LOCATIONS, HE SHALL CONTACT THE ENGINEER IMMEDIATELY.
3. THE DISTRICT ENGINEER AND OTHER APPROVED AGENCIES ARE TO BE NOTIFIED AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL OBTAIN, AT HIS EXPENSE, ALL PERMITS WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK, INCLUDING STREET CUTS, UTILITY INTERFERENCE AND TRAFFIC CONTROL.
5. ALL CONCRETE SHALL BE A MINIMUM OF CLASS B, 6-SACK, TYPE II, 3000 POUND COMPRESSION STRENGTH. ALL CONCRETE ASSOCIATED WITH ROADWAY CONSTRUCTION SHALL BE CLASS D.
6. THE DESIGN ENGINEER SHALL SUBMIT ONE (1) SET OF ROLLED "AS-BUILT" BLUELINE PRINTS TO THE DESIGNATED TOWN AUTHORITY FOR APPROVAL PRIOR TO PRINTING MYLAR SEPIAS AND ELECTRONIC FILES FOR THE TOWN. AFTER APPROVAL HAS BEEN GRANTED BY THE DESIGNATED TOWN AUTHORITY, FULL SIZE MYLAR SEPIA PRINTS SHALL BE TRANSMITTED TO THE TOWN.
7. ALL BACKFILL MATERIAL SHALL BE COMPACTED TO ALL APPLICABLE TOWN AND DISTRICT STANDARDS. COMPACTION TESTS MUST BE SUBMITTED TO THE TOWN AND DISTRICT PRIOR TO PROBATIONARY ACCEPTANCE.
8. ALL CURBS SHALL BE CAREFULLY AND FIRMLY BACKFILLED BY THE CONTRACTOR. ANY EXCESS MATERIAL FROM SUBGRADE TRIMMING SHALL NOT BE LEFT IN THE STREET CORE, BUT SHALL BE SPREAD UNIFORMLY IN A 20-FOOT WIDE ZONE BEHIND THE WALK.
9. REFER TO OVERLOT GRADING AND EROSION CONTROL PLAN FOR GRADING NOTES.
10. EXPANSION JOINTS WILL BE PLACED IN ALL SIDEWALKS AND CURB AND GUTTER AT PCs, Pts, AND AT ANY FIXED OBJECT, BUT IN NO CASE ANY FARTHER THAN 500 FEET APART.
11. THE APPLICANT IS 470 COMPARK LLC.
12. THE UTILITY CONTRACTOR THAT INSTALLS SANITARY SEWER, STORM SEWER, AND WATER SHALL, AFTER PROPERLY COMPLETING THE WORK, WALK THE SITE WITH THE OWNER'S REPRESENTATIVE(S) TO INSPECT MANHOLES, HYDRANTS, VALVE BOXES, AND INLETS PRIOR TO THE START OF WORK BY THE CURB, GUTTER, AND WALK CONTRACTOR. A SIMILAR FIELD INSPECTION SHALL OCCUR WITH THE UTILITY CONTRACTOR AND CURB CONTRACTOR TO INSPECT THESE ITEMS PLUS CURB STOP BOXES AND CONCRETE WORK PRIOR TO THE START OF WORK BY THE PAVING CONTRACTOR. THESE FIELD INSPECTIONS ARE INTENDED TO HELP ESTABLISH RESPONSIBILITY FOR ANY NECESSARY REPAIRS, CLEANING, ETC. THAT ARE NEEDED. THESE INSPECTIONS WITH A REPRESENTATIVE OF THE OWNER ARE IN ADDITION TO ANY INSPECTIONS BY REPRESENTATIVES OF THE TOWN OF PARKER OR COTTONWOOD WATER AND SANITATION DISTRICT.
13. ALL TESTING AND INSPECTION FOR COMPLIANCE WITH TOWN OF PARKER STANDARDS SHALL BE COMPLETED PRIOR TO PROBATIONARY ACCEPTANCE.
14. THE DESIGN ENGINEER SHALL SUBMIT ONE (1) SET OF ROLLED "AS-BUILT" BLUELINE PRINTS AND ELECTRONIC FILES TO THE DISTRICT ENGINEER FOR APPROVAL PRIOR TO PRINTING MYLAR SEPIAS FOR THE DISTRICT. AFTER APPROVAL HAS BEEN GRANTED BY THE DISTRICT ENGINEER, FULL SIZE MYLAR SEPIA PRINTS SHALL BE TRANSMITTED TO THE COTTONWOOD WATER AND SANITATION DISTRICT OFFICE AND AN ADDITIONAL SET OF ROLLED BLUELINE PRINTS SHALL BE TRANSMITTED TO THE DISTRICT ENGINEER'S OFFICE PRIOR TO PROBATIONARY ACCEPTANCE.
15. TRENCHES SHALL BE EXCAVATED AND THE PIPE EXPOSED FOR THE INSPECTION AT ANY LOCATION ON THE PROJECT IF SO ORDERED BY THE INSPECTOR.
16. CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE PROPER FUNCTIONING OF LINES (WATER AND SEWER) FOR UP TO TWO (2) YEARS FROM THE DATE OF PROBATIONARY ACCEPTANCE OF THE LINES BY THE DISTRICT. ANY MALFUNCTION DURING THIS PERIOD OF GUARANTEE SHALL BE REMEDIED BY THE CONTRACTOR TO THE SATISFACTION OF THE DISTRICT ENGINEER AT NO EXPENSE TO THE DISTRICT.
17. SURFACE GRADES ARE TO BE WITHIN PLUS OR MINUS ONE FOOT OF FINISHED GRADE AND VERIFICATION OF COMPACTION RESULTS OBTAINED PRIOR TO THE INSTALLATION OF WATER AND SEWER LINES. RESULTS MUST BE SUBMITTED TO THE DISTRICT ENGINEER.
18. NO WORK SHALL BE BACKFILLED UNTIL THE CONSTRUCTION HAS BEEN INSPECTED AND APPROVED FOR BACKFILLING BY THE DISTRICT ENGINEER OR REPRESENTATIVE OF THE DISTRICT ENGINEER.
19. ALL SERVICES WILL BE PERMANENTLY MARKED ON CURB FACE AS FOLLOWS:
"x" FOR SANITARY SERVICE SEWERS
"v" FOR WATER SERVICES
20. NO TREES SHALL BE ALLOWED IN EASEMENTS OR WITHIN 8' OF ANY WATER OR SANITARY SEWER MAINS IN RIGHT-OF-WAY. NO TREES ALLOWED WITHIN 7' OF THE EDGE OF ANY STORM SEWER.
21. BENCHMARKS:
SOURCE BENCHMARKS:
DOUGLAS COUNTY BM 1.115010 A DOUGLAS COUNTY GIS MONUMENT SET IN CONCRETE LOCATED APPROXIMATELY 130 FEET SOUTHWESTERLY OF THE CENTERLINE OF CHAMBERS ROAD AND 95 FEET NORTHWESTERLY OF THE CENTERLINE OF COMPARK BOULEVARD. ELEVATION = 5752.84 (NAVD 88)
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22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION AND REPAIR OF ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION, WHETHER SHOWN ON THESE PLANS OR NOT. CONTRACTOR SHALL CONTACT REPRESENTATIVES OF THE RESPECTIVE UTILITIES AND HAVE ALL UTILITIES FIELD LOCATED PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL LOCATIONS OF EXISTING STRUCTURES AND UTILITIES SHOWN ON THE DRAWINGS, TO ASCERTAIN WHETHER ANY STRUCTURES AND UTILITIES MAY EXIST, AND REPAIR AND/OR REPLACE ANY STRUCTURES AND/OR UTILITIES THAT ARE DAMAGED BY THE CONTRACTOR.
23. T.C. INDICATES TOP BACK OF WALK GRADE FOR COMBINATION CURB, GUTTER, AND SIDEWALK, OR TOP BACK OF CURB FOR OTHER CURB AND GUTTER TYPES.
24. ALL DIMENSIONS AND RADII ARE TO FLOWLINE UNLESS OTHERWISE NOTED.
25. THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH A SET OF "AS-BUILT" PLANS MARKED WITH ALL DEVIATIONS FROM THE CONSTRUCTION PLANS PRIOR TO INITIAL ACCEPTANCE.
26. ALL STATIONING IS ON CENTERLINE OF RIGHT OF WAY UNLESS OTHERWISE NOTED.

CONSTRUCTION NOTES:

- 1. 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.
2. 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.
3. A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. A PRE-CONSTRUCTION MEETING WILL NOT BE SCHEDULED UNTIL THE GRADING PERMIT AND ALL OTHER NECESSARY PERMITS HAVE BEEN OBTAINED.
4. A DEVELOPMENT REVIEW ENGINEER SHALL BE CONTACTED A MINIMUM OF 24 HOURS PRIOR TO A NECESSARY INTERVIEW. 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.
5. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ACTUAL CONSTRUCTION. FOR INFORMATION, CONTACT DENVER INTER-UTILITY GROUP AT 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.
6. 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.
7. ALL PROPOSED STREET CUTS TO EXISTING PAVEMENTS FOR UTILITIES, STORM SEWER, OR FOR OTHER PURPOSES ARE LISTED AND REFERENCED BELOW:
WATER TIE-IN NONE
SANITARY SEWER CONNECTION NONE
STORM SEWER CONNECTION NONE
8. 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.
9. 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."
10. 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.
11. 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.
12. 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.
13. PLANS ARE APPROVED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE SHOWN ON THE TOWN OF PARKER SIGNATURE BLOCK. PLANS SHALL BE RESUBMITTED TO THE TOWN FOR APPROVAL AFTER ONE (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.
14. REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS OR LANDSCAPING IS THE RESPONSIBILITY OF THE CONTRACTOR.
15. ALL DAMAGED EXISTING CURB, GUTTER, AND SIDEWALK SHALL BE REPAIRED PRIOR TO ACCEPTANCE OF COMPLETED IMPROVEMENTS.
16. 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-82, 4300 CHERRY DRIVE SOUTH, DENVER, COLORADO 80222-1530. ATTENTION: PERMITS AND ENFORCEMENT SECTION. PHONE: 303-692-3500.
17. 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.
18. ALL REFERENCES TO BOOKS, PAGES, MAPS, AND RECEPTION NUMBER ARE PUBLIC DOCUMENTS ON FILE WITH THE COUNTY CLERK AND RECORDER'S OFFICE.
19. ALL SITES GREATER THAN 40 ACRES REQUIRE A TOWN APPROVED PHASING PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THIS PLAN.

CBMP NOTES:

PHASE A

- 1. PHASE A EROSION CONTROL CBMP'S RELATE TO INITIAL BMP'S REQUIRED TO START SITE OVERLOT GRADING
2. ALL SILT FENCE STAKING CAN BE NO MORE THAN 5-FEET ON CENTER.
3. EXISTING CBMP'S TO BE REMOVED DO NOT NEED TO BE REMOVED IMMEDIATELY. THESE ARE INTENDED TO BE REMOVED BETWEEN PHASE A AND B AT THE CONTRACTOR'S DISCRETION.

PHASE B

- 1. THE EROSION CONTROL SUPERVISOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPERVIOUS AREAS SUCH AS STREETS, CURBS, GUTTERS, SIDEWALKS, PARKING LOTS, CURB CHASE DRAINS, ETC., ARE THOROUGHLY CLEAN AT THE FOLLOWING TIMES:
A. BY 5 P.M. DAILY (NO EXCEPTIONS).
B. DURING THE DAY WHEN THESE AREAS BECOME SOILED BEYOND A REASONABLE AMOUNT AS EXPLAINED/ DETERMINED BY PUBLIC WORKS DEPARTMENT.
C. THROUGHOUT THE DAY WHEN PRECIPITATION OR SNOW MELT IS PREDICTED AND/OR OBVIOUS.
2. ADDITIONAL PRACTICES TO BE EMPLOYED AS NECESSARY TO MEET WATER QUALITY OBJECTIVES AND SUIT THE CURRENT WEATHER, SITE CONDITIONS, AND UNFORESEEN NEEDS.
3. CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL PRACTICABLE SEDIMENT AND EROSION CONTROL SOLUTIONS ARE EMPLOYED TO MEET WATER QUALITY OBJECTIVES.
4. SEE SHEETS 22-30 FOR DETAILS OF EROSION CONTROL MEASURES.
5. LOT PROTECTION (LP) IS REQUIRED ON ALL LOTS. PLEASE SEE ATTACHED DETAIL FOR MORE INFORMATION.
6. CONTRACTOR TO PROVIDE 4" TOPSOIL OVER ALL FILL TRANSITION SLOPES.
7. SEDIMENT CONTROL BMP'S MAY BE NECESSARY ALONG LOT LINES DURING HOME CONSTRUCTION.
8. IT IS SUGGESTED THAT "SIDEWALK CLOSED" SIGNS BE PLACED IN FRONT OF THE SIDEWALKS THAT UTILIZE ROCK SOCKS & CONSTRUCTION FENCE THAT RUN PERPENDICULAR TO THE SIDEWALK. THESE SIGNS MUST BE MUTCD APPROVED.
9. CONTRACTOR TO MAINTAIN, OR REPLACE AS NEEDED, EXISTING BMPS THAT ARE DENOTED AS TO BE KEPT.
10. ALL SILT FENCE STAKING CAN BE NO MORE THAN 5-FEET ON CENTER.
11. PHASE A EROSION CONTROL BMP'S RELATE TO INITIAL BMP'S REQUIRED TO START SITE OVERLOT GRADING.
12. HYDRO MULCHING WITHIN LIMITS OF DETENTION BASIN.

PARKER STANDARD STORM DRAINAGE INFRASTRUCTURE NOTES

- 1. ALL STORM DRAINAGE IMPROVEMENTS ARE SUBJECT TO COMPLIANCE WITH THE COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, M & S STANDARDS, AND ALL STANDARD SPECIAL PROVISIONS CURRENTLY USED BY CDOT, WITH THE MODIFICATIONS SET FORTH IN THE TOWN OF PARKER'S STORM DRAINAGE AND ENVIRONMENT CRITERIA MANUAL (SDECM), AS AMENDED.
2. THE CONTRACTOR SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8 CRS), THE "PROTECTION OF FISHING STREAMS" TITLE 33, ARTICLE 5, CRS), THE "CLEAN WATER ACT" (33 USC 1344), "CHERRY CREEK RESERVOIR CONTROL REGULATION NO. 72" (5 CCR 1002-72), THE REGULATION PROMULGATED, CERTIFICATION OR PERMITS ISSUES, AND THE REQUIREMENTS PRESENTED IN THE SDECM REVISION TO SECTION 107 AND THE CONSTRUCTION BMP PLAN. IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND WATER QUALITY CONTROL LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, OR STATE AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
3. INSPECTIONS: CONSTRUCTION SHALL NOT BEGIN UNTIL A GRADING PERMIT HAS BEEN ISSUED FOR THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE TOWN OF PARKER ENGINEERING DEPARTMENT (PUBLIC WORKS) TO SCHEDULE INSPECTIONS A MINIMUM OF 48 HOURS PRIOR TO THE CONSTRUCTION OF ALL DRAINAGE INFRASTRUCTURE (STORM SEWERS, INLETS, MANHOLES, ENERGY DISSIPATORS, RIPRAP, GROUTED BOULDERS, DETENTION POND OUTLET STRUCTURES, FOREBAYS, TRICKLE CHANNELS, ETC.). FAILURE TO NOTIFY THE ENGINEERING DEPARTMENT FOR INSPECTIONS MAY RESULT IN NON-ACCEPTANCE OF THE INFRASTRUCTURE BY THE TOWN. URBAN DRAINAGE AND FLOOD CONTROL DISTRICT MUST ALSO BE NOTIFIED IN A SIMILAR MANNER FOR ALL MAINTENANCE ELIGIBLE DRAINAGE INFRASTRUCTURES (CONSULT WITH STORMWATER ENGINEERING DIVISION).
4. STRUCTURAL BACKFILL (CDOT CLASS 1) SHALL BE COMPACTED TO CDOT STANDARD SPECIFICATIONS 203.03. STRUCTURAL BACKFILL (CDOT CLASS 2) SHALL CONFORM TO CDOT STANDARD SPECIFICATION 203.07. AT THE CONTRACTOR'S OPTION, STRUCTURAL BACKFILL (SQUEEGEE) MEETING THE GRADATION REQUIREMENTS CONTAINED IN REVISION OF SECTION 206 OF THE CDOT STANDARD SPECIFICATIONS AS PRESENTED IN THE SDECM, MAY BE SUBSTITUTED FOR STRUCTURE BACKFILL (CLASS 1 OR CLASS 2) FOR BACKFILLING OF CULVERT PIPES, STORM SEWER PIPES, MANHOLES AND INLET STRUCTURES; HOWEVER, THE TOP 2 FEET BELOW SUB-GRADE ELEVATION SHALL BE THE REQUIRED EMBANKMENT MATERIAL.
5. ALL EXCAVATIONS SHALL MEET OSHA REQUIREMENTS.
6. TESTING: PROBATIONARY ACCEPTANCE OF STORM DRAINAGE IMPROVEMENTS WILL BE CONTINGENT UPON SATISFACTORY TESTING RESULTS. IN ALL CASES WHERE TESTS INDICATE COMPACTION LESS THAN THAT REQUIRED BY TOWN SPECIFICATIONS, ADDITIONAL COMPACTION AND TESTS WILL BE REQUIRED UNTIL THE SPECIFICATIONS ARE MET. FREQUENCY OF TESTING WILL BE AS FOLLOWS:
A) 1 TEST FOR SUB-GRADE AND 1 TEST FOR BACKFILL AT EVERY ABOVE-GROUND APPURTENANCE (MANHOLES, INLETS, ETC.)
B) 1 TEST EVERY 200 LF OF MAINLINE TRENCHES EVERY 1-FOOT OF BACKFILL LIFT AND WITHIN 1 FOOT FROM ALL STRUCTURES.
7. ALLOWABLE STORM SEWER CONDUIT MATERIAL WITHIN THE TOWN OF PARKER SHALL BE LIMITED TO REINFORCED CONCRETE PIPE (RCP) CONFORMING TO CDOT STANDARD SPECIFICATION 706.02.
8. ALL RCP JOINTS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C443. RUBBER GASKETS SHALL BE USED ON ALL PIPE JOINTS CONFORMING TO ASTM C443. ALL RCP SECTIONS SHALL BE JOINED IN SUCH A MANNER THAT THE ENDS ARE FULLY ENTERED AND THE INNER SURFACES ARE REASONABLY FLUSH. AVERAGE JOINT GAP THAT EXCEEDS 1/8 INCH SHALL BE FILLED WITH AN APPROVED FLEXIBLE PLASTIC SEALANT.
9. JOINT RESTRAINTS AND TOE-WALLS CONFORMING TO CDOT M&S STANDARD PLAN NO. M-601-11 SHALL BE USED ON ALL RCP FLARED END SECTION OUTFALLS.
10. EPOXY COATED REBAR SHALL BE USED AS REINFORCING STEEL ON ALL STORM INLETS. REFERENCE CDOT M&S STANDARD NO. M-604-10, 11, 12, AND 13.
11. CDOT CLASS D CONCRETE SHALL BE USED FOR ALL CONCRETE DRAINAGE STRUCTURES.
12. PRE-CAST INLETS AND MANHOLE BASES SHALL NOT BE USED WITHIN THE TOWN OF PARKER RIGHT-OF-WAY, WITH THE EXCEPTION OF CDOT TYPE C AND D INLETS.
13. TWO (2) MANHOLE ACCESS JOINTS ARE REQUIRED ON ALL TYPE "R" CURB INLETS GREATER THAN OR EQUAL TO TEN (10) FEET IN LENGTH AS PRESENTED IN CDOT M&S STANDARD PLAN NO. M-604-12.
14. ALL GROUTING (BOULDERS, RIPRAP) SHALL BE IN ACCORDANCE WITH THE REVISION OF SECTION 506 OF THE CDOT STANDARD SPECIFICATIONS AS PRESENTED IN THE SDECM.
15. ALL BOULDERS AND RIPRAP SHALL BE SELECTED AND PLACED IN ACCORDANCE WITH THE REVISION OF SECTION 506 OF THE CDOT STANDARD SPECIFICATIONS AS PRESENTED IN THE SDECM.
16. CONTRACTOR SHALL REFER TO THE TOWN OF PARKER'S CONSTRUCTION BEST MANAGEMENT PRACTICES DETAILS AND NOTES FOR ALL REQUIREMENTS RELATING TO RE-VEGETATION, SEDIMENT AND EROSION CONTROL REQUIREMENTS FOR CONSTRUCTION ACTIVITIES.

BYPASS PUMPING PLAN

- 1. THE BYPASS PUMPING PLAN DISCUSSED IN THIS SECTION AND DETAILED ON THE FOLLOWING SHEETS IS PRELIMINARY IN NATURE. THE BYPASS PUMPING PLAN FOR CONSTRUCTION OF THE GREEN ACRES TRIBUTARY REALIGNMENT SHALL BE THE ULTIMATE RESPONSIBILITY OF THE CONTRACTOR.
2. A TEMPORARY BERM SHALL BE CONSTRUCTED AS SHOWN ON SHEET 4. THE TOP OF BERM HEIGHT SHALL BE AT A MINIMUM ELEVATION OF 5853.00. THIS BERM HAS BEEN DESIGNED TO RETAIN APPROXIMATE 20.6 AC-FT OF RUNOFF VOLUME, EQUIVALENT TO THE 2-YEAR STORM EVENT.
2.1. EASEMENTS WILL BE OBTAINED FROM PROPERTY OWNERS AFFECTED BY THE INUNDATION OF RUNOFF.
3. A BYPASS PUMP SHALL BE USED TO DIVERT FLOWS INTO THE EXISTING GREEN ACRES TRIBUTARY CHANNEL NEAR FIRST STREET. BYPASS FLOWS WILL BE CONVEYED WITHIN THE EXISTING CHANNEL.
4. ONCE THE BERM IS COMPLETE AND A BYPASS PUMP IS INSTALLED, CONSTRUCTION OF THE UPPER REACHES OF THE CHANNEL, TO APPROXIMATELY STATION 132+00, SHALL COMMENCE. THIS STATION IS WHERE THE EXISTING CHANNEL ALIGNMENT CROSSES THE PROPOSED ALIGNMENT. SEE PLAN SET TITLED "GREEN ACRES TRIBUTARY, FINAL DESIGN, 100% DESIGN - JUNE 2020" PREPARED BY RESPEC.
5. ANOTHER BERM SHALL BE CONSTRUCTED NEAR STATION 132+00 AND A BYPASS PUMP SHALL BE UTILIZED TO THE LOWER LIMITS OF THE IMPROVEMENTS. THE LOWER REACH OF THE PROPOSED CHANNEL WILL THEN BE CONSTRUCTED.
6. UPON COMPLETION OF THE CHANNEL IMPROVEMENTS, ALL TEMPORARY BERMS AND BYPASS PUMPS SHALL BE REMOVED.

Plotted: 7/31/2020 12:34 PM. Dwg Name: P:\Cadd\3\ComSouth\12-Filing\_1.No.GAT\ComSouth\03-Ultimate.Belford.Ave\dwg\Final Drawings\Plan Set\Town\ComSouth\02.1.CBMP.ONLY\CV.GN.dwg. Updated By: jhawthorne

Table with columns: DATE, REVISIONS, DRAWN BY, BRB

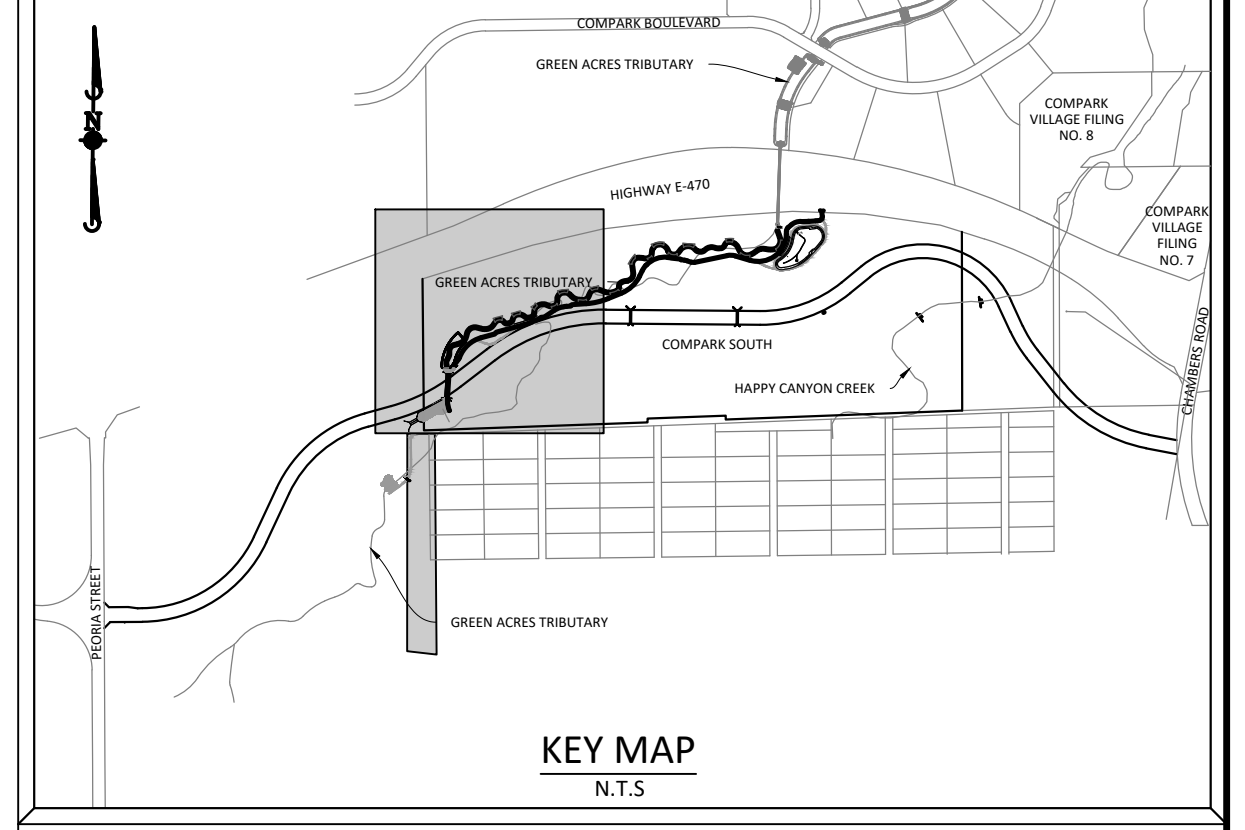
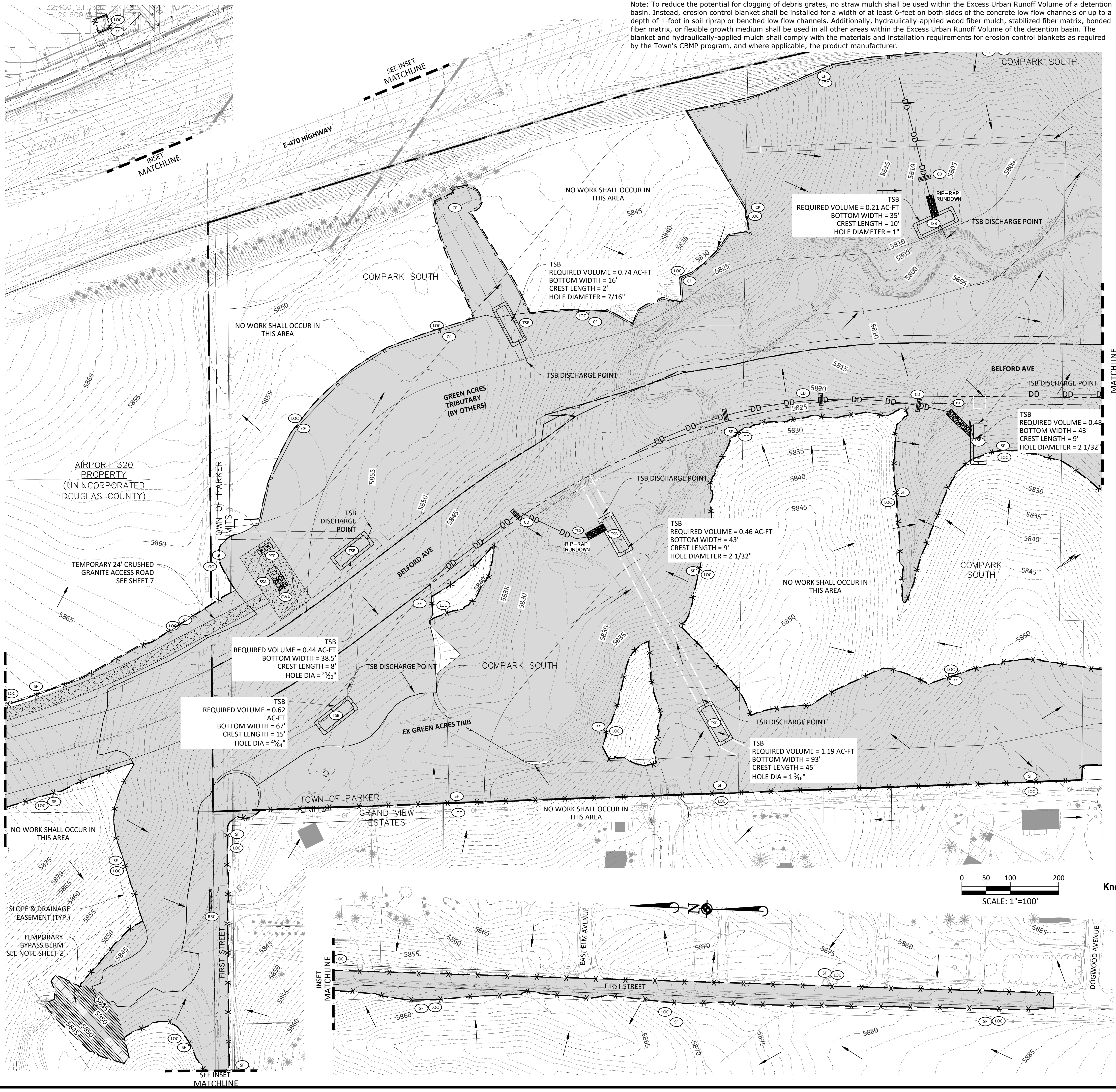
Manhard CONSULTING logo and contact information: 7600 East Colvard Road, Suite 100, Greenwood Village, CO 80121, phone: 303.778.0800, manhard.com

COMPARK VILLAGE SOUTH - GRADING & CBMB PLANS
TOWN OF PARKER, COLORADO
GENERAL NOTES
PROJ. MGR.: RJM
PROJ. ASSOC.: BRB
DRAWN BY:
DATE: 11/2015
SHEET 2 OF 30
PRELIMINARY - NOT FOR CONSTRUCTION



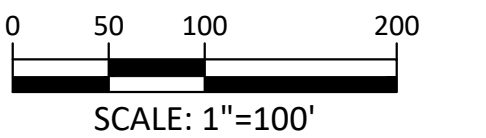
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Note: To reduce the potential for clogging of debris grates, no straw mulch shall be used within the Excess Urban Runoff Volume of a detention basin. Instead, erosion control blanket shall be installed for a width of at least 6-feet on both sides of the concrete low flow channels or up to a depth of 1-foot in soil riprap or benched low flow channels. Additionally, hydraulically-applied wood fiber mulch, stabilized fiber matrix, bonded fiber matrix, or flexible growth medium shall be used in all other areas within the Excess Urban Runoff Volume of the detention basin. The blanket and hydraulically-applied mulch shall comply with the materials and installation requirements for erosion control blankets as required by the Town's CBMP program, and where applicable, the product manufacturer.



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 DOUGLAS COUNTY BM 1.115010  
 A DOUGLAS COUNTY GIS MONUMENT SET IN CONCRETE LOCATED APPROXIMATELY 130 FEET SOUTHWESTERLY OF THE CENTERLINE OF CHAMBERS ROAD AND 95 FEET NORTHWESTERLY OF THE CENTERLINE OF COMPARK BOULEVARD. ELEVATION = 5752.84 (NAVD 88)

- |  |                |  |
|--|----------------|--|
|  | CD             | CHECK DAM  |
|  | CF             | CONSTRUCTION FENCE                               |
|  | CP             | CULVERT PROTECTION                               |
|  | CWA            | CONCRETE WASHOUT AREA                            |
|  | 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     |
|  | LP             | LOT PROTECTION                                   |
|  | LOC            | LIMITS OF CONSTRUCTION                           |
|  | PTP            | PORTABLE TOILET PROTECTION                       |
|  | RSCC           | ROUGH CUT STREET CONTROL                         |
|  | RS             | ROCK SOCK  |
|  | RSS            | ROCK SOCK IN SWALE                               |
|  | SB             | STRAW BALE                                       |
|  | SCL            | SEDIMENT CONTROL LOG                             |
|  | SF             | SILT FENCE                                       |
|  | SMC            | SEEDING, MULCHING AND CRIMPING                   |
|  | SR             | SURFACE ROUGHING                                 |
|  | SSA            | STABILIZED STAGING AREA                          |
|  | STP            | SIDEWALK TRANSITION PROTECTION                   |
|  | TI             | TEMPORARY IRRIGATION                             |
|  | TSB            | TEMPORARY SEDIMENT BASIN                         |
|  | VTC            | VEHICLE TRACKING CONTROL                         |
|  | BMP            | EXISTING BMP TO REMAIN                           |
|  | <del>BMP</del> | EXISTING BMP TO BE REMOVED                       |



**TOWN OF PARKER APPROVALS**

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 PLAN 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 DOCUMENT.

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TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS \_\_\_\_\_ DATE \_\_\_\_\_

DATE	REVISIONS
H 07/31/20	RESPONDED TO TOWN COMMENTS
G 05/07/20	RESPONDED TO TOWN COMMENTS
F 03/03/20	UPDATE GAT & ADD OFF-LINE DET BASIN
E 02/11/20	4TH SUBMITTAL
D 11/20/19	REVISED PLANS PER TOWN REFERRAL COMMENTS
C 06/20/19	REVISED PLANS PER TOWN REFERRAL COMMENTS
B 06/20/19	REVISED PLANS PER TOWN REFERRAL COMMENTS
A	BRB

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**COMPARK VILLAGE SOUTH - GRADING & CBMP PLANS**  
**TOWN OF PARKER, COLORADO**  
**CBMP PLAN - PHASE A - BELFORD AVE & GAT**

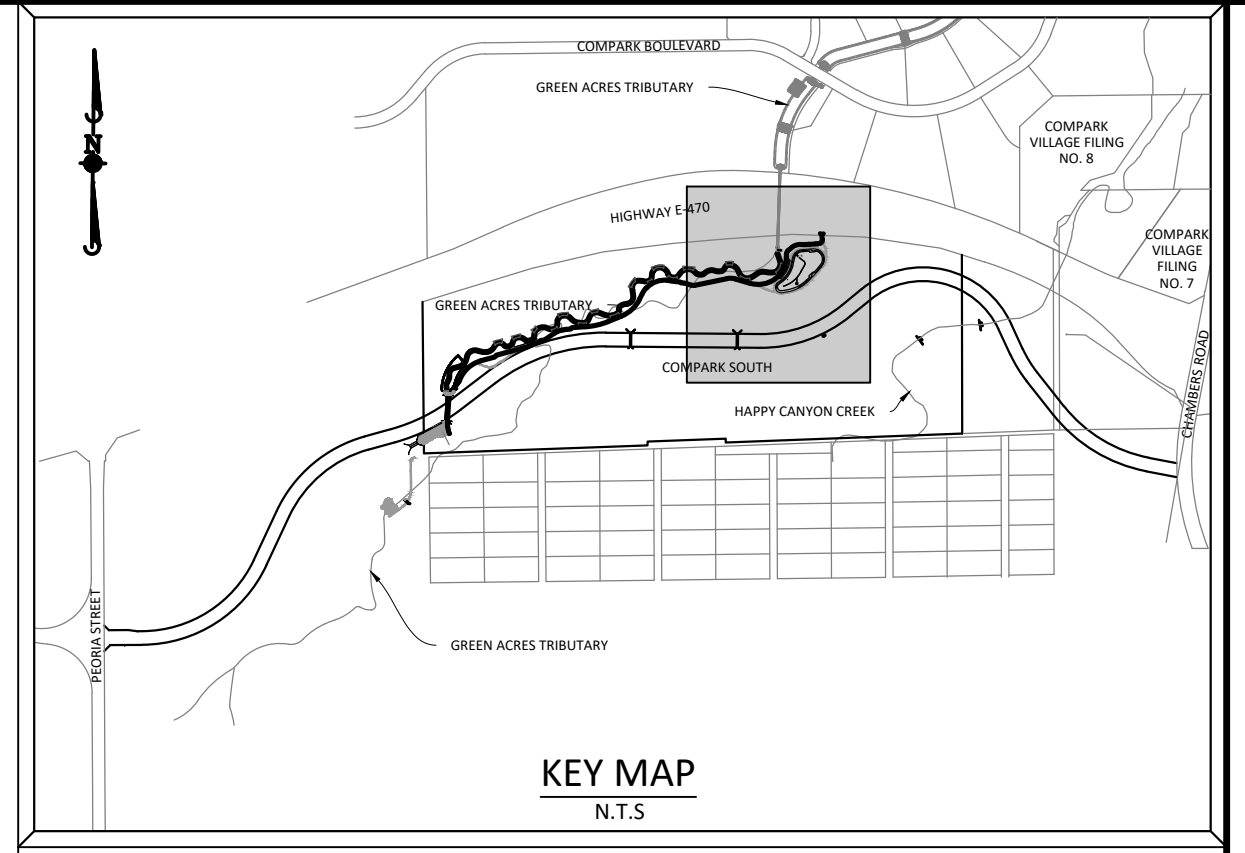
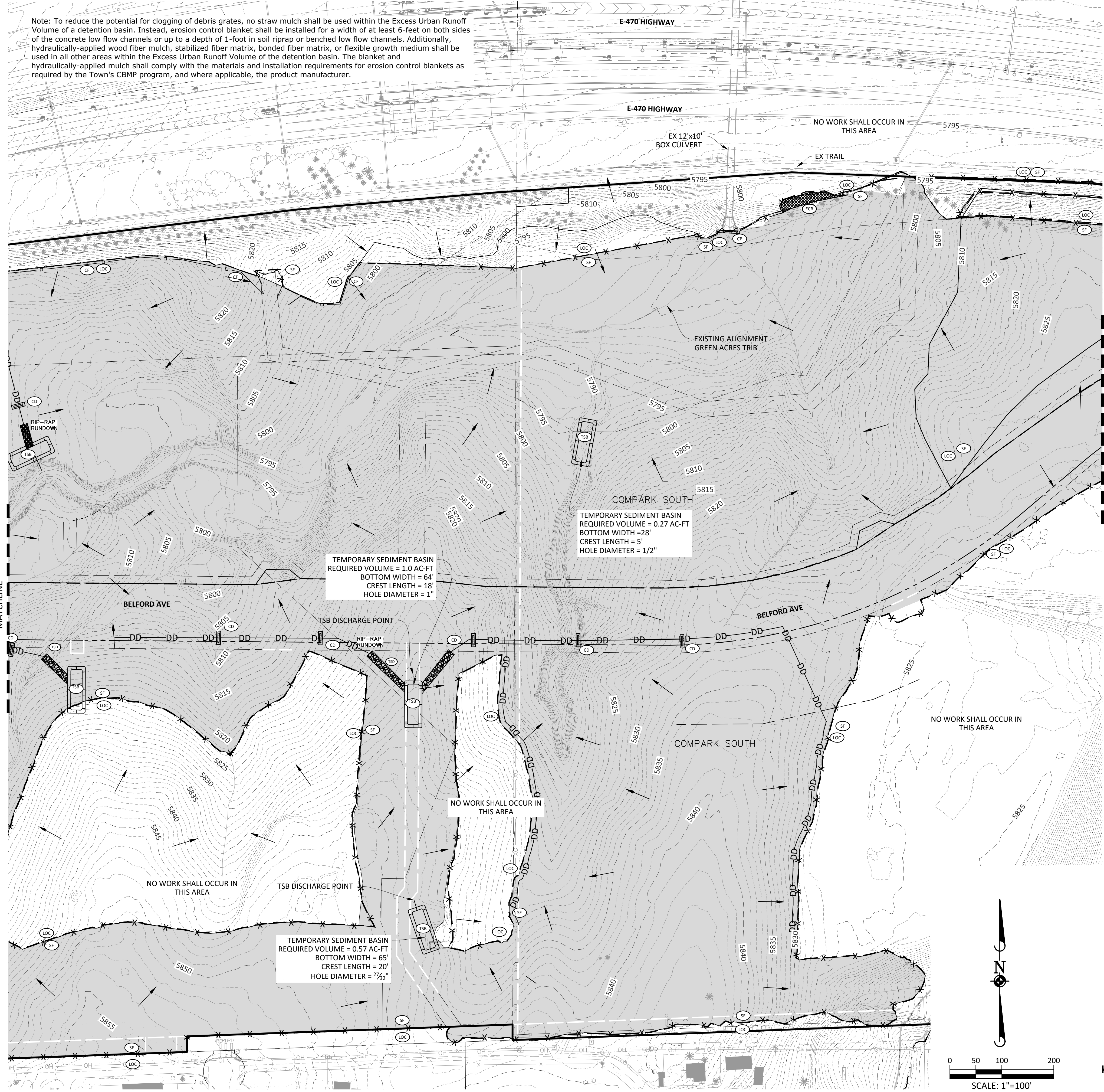
PROJ. MGR.: RJM  
 PROJ. ASSOC.: BRB  
 DRAWN BY:  
 DATE: 11/20/15

SHEET  
**4 OF 30**

**PRELIMINARY - NOT FOR CONSTRUCTION**

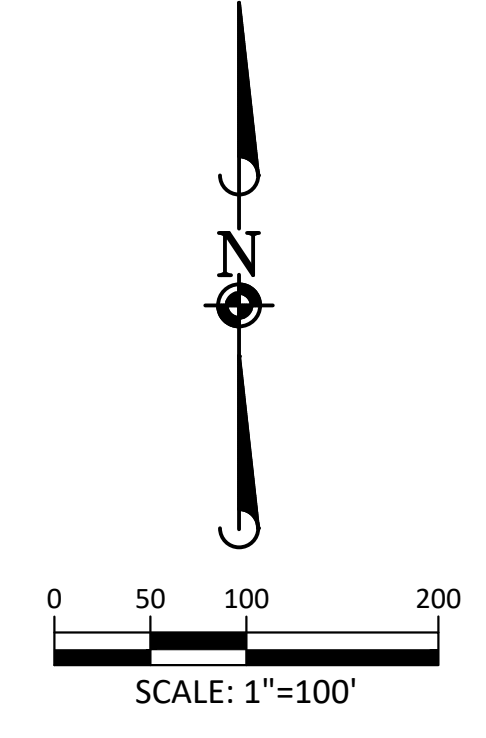
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- |  |   |
|--|---|
|  | CD CHECK DAM  |
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|  | CWA CONCRETE WASHOUT AREA                             |
|  | DD DIVERSION DITCH                                    |
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TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS \_\_\_\_\_ DATE \_\_\_\_\_

DATE	REVISIONS
H 07/31/20	RESPONDED TO TOWN COMMENTS
G 06/01/20	RESPONDED TO TOWN COMMENTS
F 03/07/20	UPDATE GAT & ADD OFF-LINE DET BASIN
E 02/11/20	4TH SUBMITTAL
D 11/20/19	REVISED PLANS PER TOWN REFERRAL COMMENTS
C 06/20/19	REVISED PLANS PER TOWN REFERRAL COMMENTS
B 04/20/19	REVISED PLANS PER TOWN REFERRAL COMMENTS
A	

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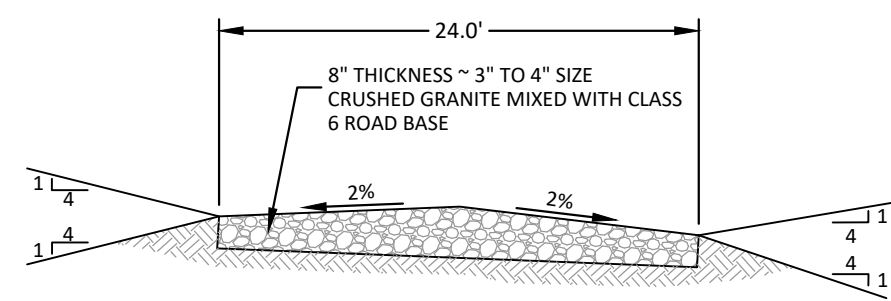
**COMPARK VILLAGE SOUTH - GRADING & CBMB PLANS**  
**TOWN OF PARKER, COLORADO**  
**CBMP PLAN - PHASE A - BELFORD AVE & GAT**

PROJ. MGR.: RJM  
 PROJ. ASSOC.: BRB  
 DRAWN BY:  
 DATE: 11/2015

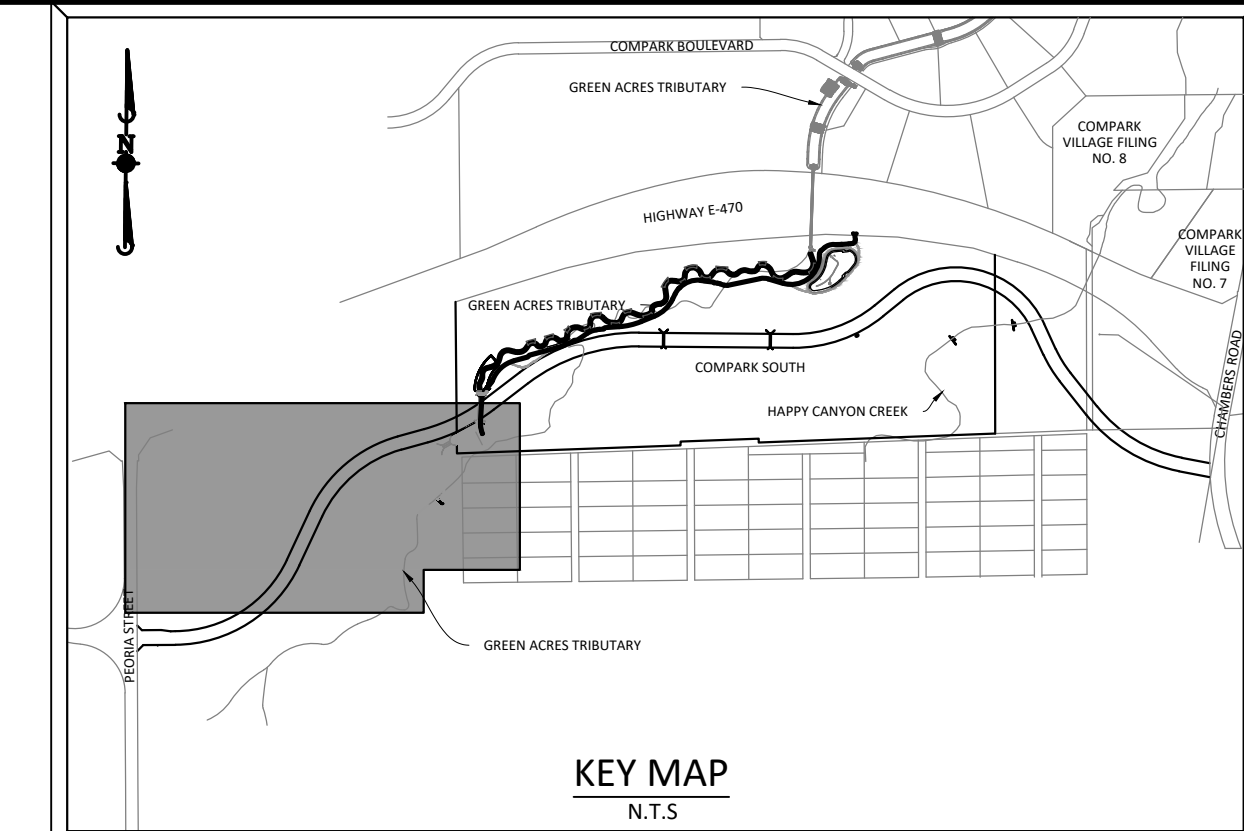
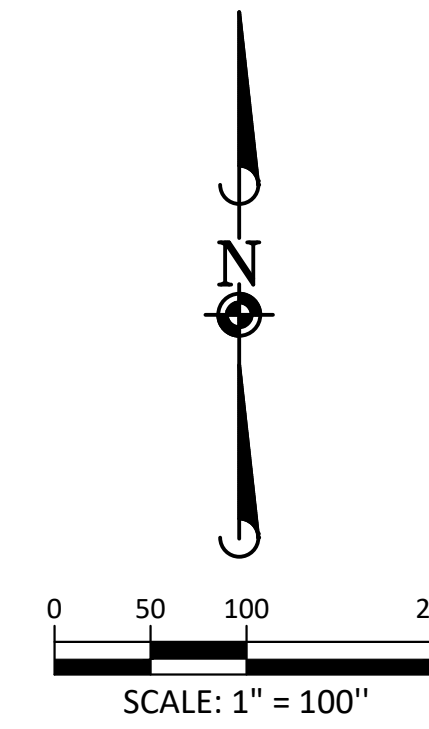
SHEET  
**5 OF 30**

**PRELIMINARY - NOT FOR CONSTRUCTION**



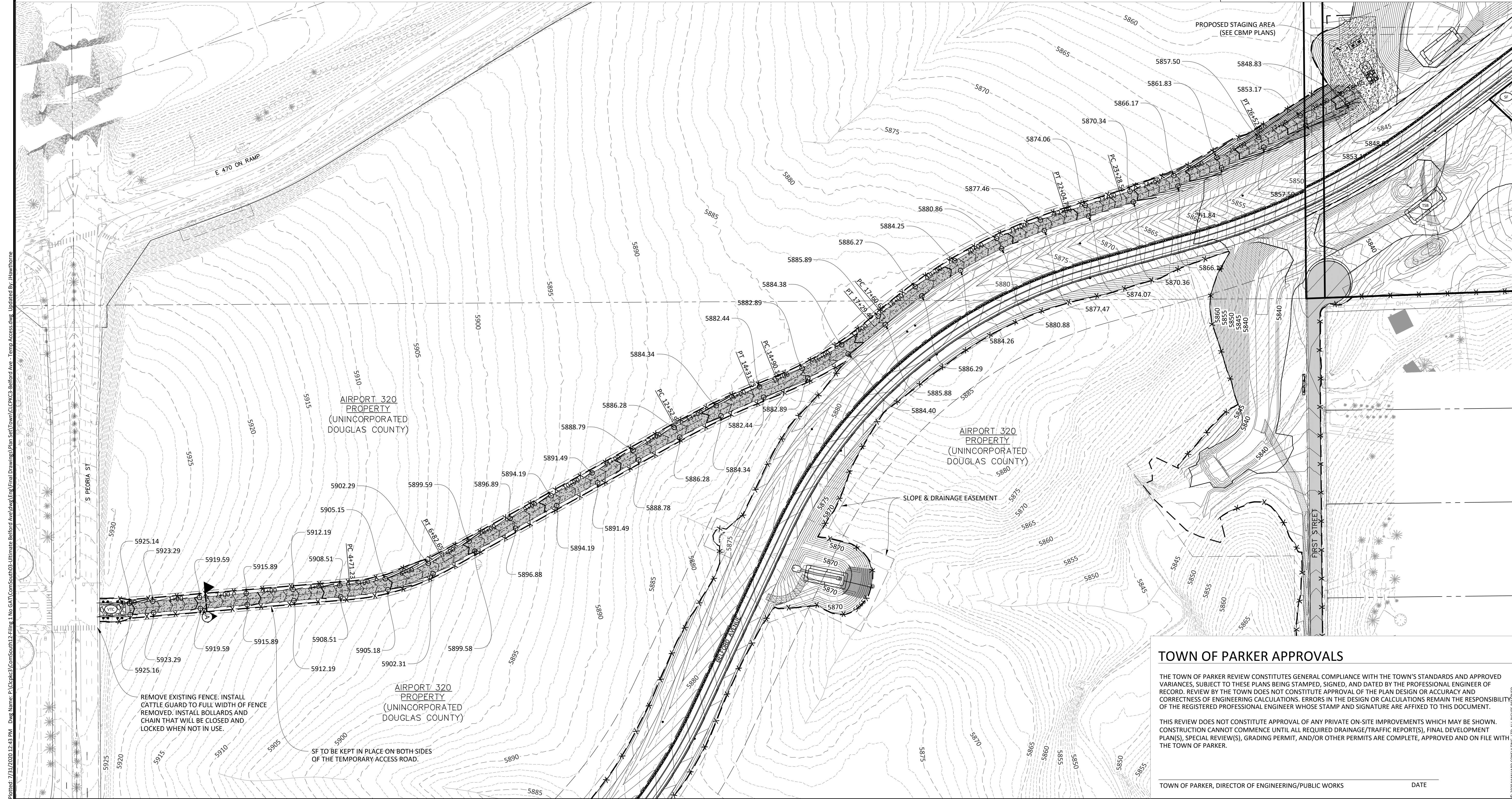


SECTION A  
TEMPORARY CONSTRUCTION ACCESS ROAD  
1/4" = 1'-0"



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B. 02/20/19	REVISED PLANS PER TOWN REFERRAL COMMENTS
A. 02/20/19	REVISED PLANS PER TOWN REFERRAL COMMENTS



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TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS \_\_\_\_\_ DATE \_\_\_\_\_

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**COMPARK VILLAGE SOUTH - GRADING & CBMB PLANS**

**TOWN OF PARKER, COLORADO**

**TEMPORARY ACCESS ROAD PLAN**

**TOWN OF PARKER APPROVALS**

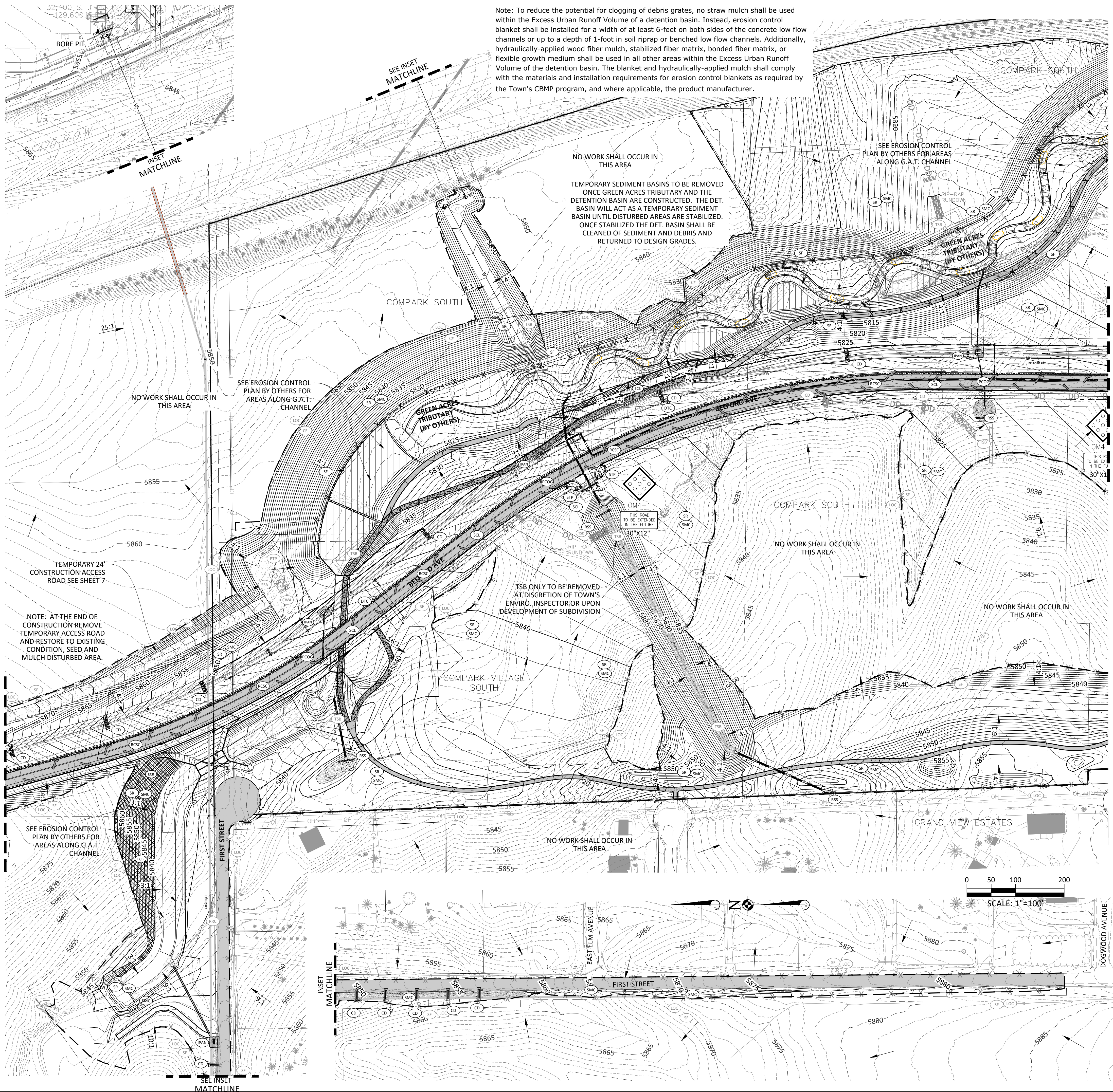
PROJ. MGR.: RJM  
PROJ. ASSOC.: BRB  
DRAWN BY:  
DATE: 11/2015

SHEET  
**7 OF 30**

**PRELIMINARY - NOT FOR CONSTRUCTION**



Plotted: 7/31/2020 1:17 PM. Draw Name: P:\C\c\c3\Compark\Compark\Drawings\Plan Set\Town\ComSouth\02\_1\_CBMF\01\CLC\CPK3-CBMP.dwg. Updated By: jhawthorne



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NO WORK SHALL OCCUR IN THIS AREA

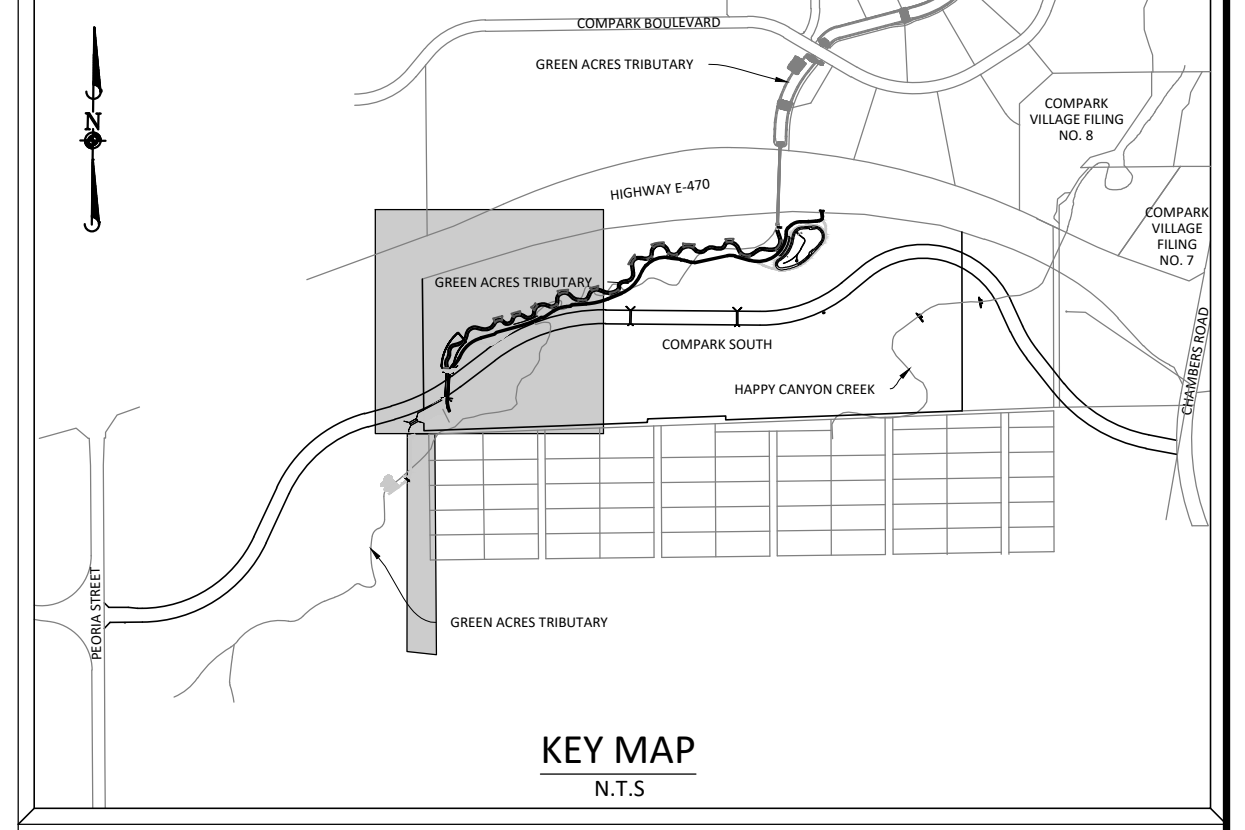
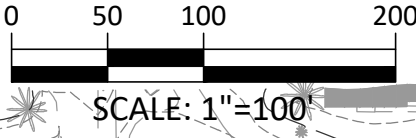
TEMPORARY SEDIMENT BASINS TO BE REMOVED ONCE GREEN ACRES TRIBUTARY AND THE DETENTION BASIN ARE CONSTRUCTED. THE DET. BASIN WILL ACT AS A TEMPORARY SEDIMENT BASIN UNTIL DISTURBED AREAS ARE STABILIZED. ONCE STABILIZED THE DET. BASIN SHALL BE CLEANED OF SEDIMENT AND DEBRIS AND RETURNED TO DESIGN GRADES.

SEE EROSION CONTROL PLAN BY OTHERS FOR AREAS ALONG G.A.T. CHANNEL

SEE EROSION CONTROL PLAN BY OTHERS FOR AREAS ALONG G.A.T. CHANNEL

TSB ONLY TO BE REMOVED AT DISCRETION OF TOWN'S ENVIRO. INSPECTOR OR UPON DEVELOPMENT OF SUBDIVISION

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- |  |       |  |
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**TOWN OF PARKER APPROVALS**

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 PLAN 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 DOCUMENT.

THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF ANY PRIVATE ON-SITE IMPROVEMENTS WHICH MAY BE SHOWN. CONSTRUCTION CANNOT COMMENCE UNTIL ALL REQUIRED DRAINAGE/TRAFFIC REPORT(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.

TOWN OF PARKER, DIRECTOR OF ENGINEERING/PUBLIC WORKS \_\_\_\_\_ DATE \_\_\_\_\_

DATE	REVISIONS
07/31/20	RESPONDED TO TOWN COMMENTS
05/07/20	RESPONDED TO TOWN COMMENTS
03/03/20	UPDATE GAT & ADD OFF-LINE DET BASIN
02/11/20	FINAL
11/2016	4TH SUBMITTAL
06/2016	REVISED PLANS PER TOWN REFERRAL COMMENTS
04/2016	REVISED PLANS PER TOWN REFERRAL COMMENTS

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 Water Resource Management Construction Management

**COMPARK VILLAGE SOUTH - GRADING & CBMP PLANS**

**TOWN OF PARKER, COLORADO**

**CBMP PLAN - PHASE B - BELFORD AVE & GAT**

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PROJ. MGR.: RJM  
 PROJ. ASSOC.: BRB  
 DRAWN BY: \_\_\_\_\_  
 DATE: 11/2015

SHEET  
**9 OF 30**

**PRELIMINARY - NOT FOR CONSTRUCTION**

