CITY AND COUNTY OF DENVER

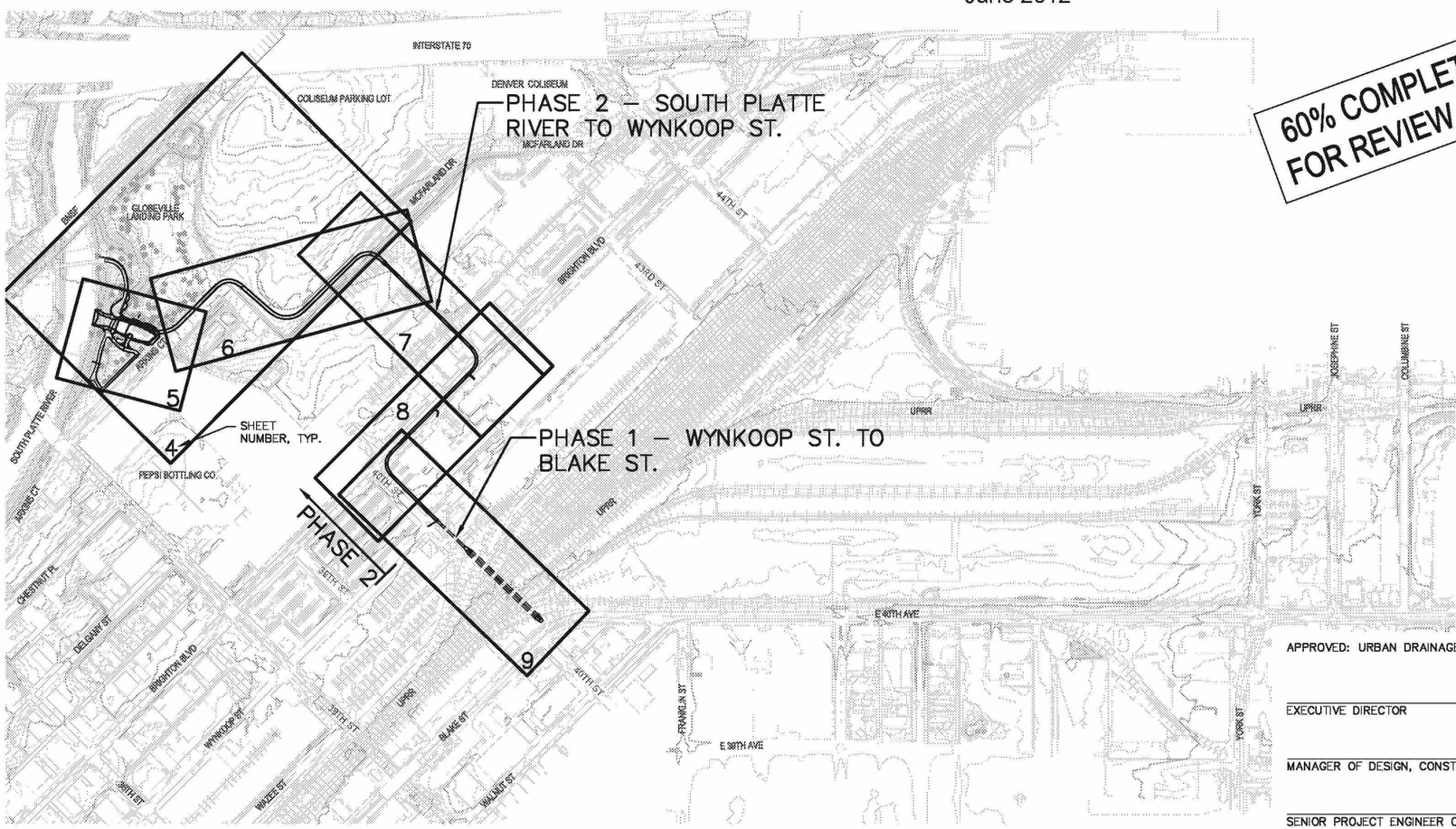
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

UDFCD PROJECT NO. 09-07.14, PILAR NO. 2010-0517
HIGH STREET OUTFALL & 40TH AVENUE SYSTEM
PHASE 2 - S. PLATTE RIVER TO WYNKOOP STREET
FINAL DESIGN DRAWINGS

June 2012

Original Scale: 1"=300'
0 150 300 600



60% COMPLETION FOR REVIEW ONLY

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APPROVED: URBAN DRAINAGE & FLOOD CONTROL DISTRICT

EXECUTIVE DIRECTOR DATE

MANAGER OF DESIGN, CONSTRUCTION AND MAINTENANCE PROGRAM DATE

SENIOR PROJECT ENGINEER OF DESIGN, CONSTRUCTION AND MAINTENANCE PROGRAM DATE

WHPacific

Affix Seal:

SUBMITTED BY: _____ DATE: _____
PROJECT DESIGN ENGINEER

THROUGH: _____ DATE: _____
DIRECTOR OF ENGINEERING

APPROVED: _____ DATE: _____
DIVISION OF SMALL BUSINESS OPPORTUNITY

APPROVED: _____ DATE: _____
CITY ENGINEER

APPROVED: _____ DATE: _____
MANAGER OF PUBLIC WORKS

URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

By: Michael R. Galuzzi
Licensed Professional Engineer
State of Colorado

No: 17593

Name of Firm: WHPacific, Inc.

NO.	DESCRIPTION OF REVISIONS	DATE	BY

CALL UNCC
TWO WORKING DAYS
BEFORE YOU DIG
1-800-922-1987
VERIFY WITH UTILITIES THE LOCATION OF UNDERGROUND FACILITIES

CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
WASTEWATER CAPITAL
PROJECTS MANAGEMENT
2000 W. 3RD AVE. DENVER, CO 80223
TEL.: (303) 446-3610 FAX: (303) 446-3647

HIGH ST. OUTFALL & 40TH AVE. SYSTEM
PHASE 2 - S. PLATTE RIVER TO WYNKOOP ST.

COVER SHEET

DRAWN BY: ELS
DESIGNED BY: CJC
APPROVED BY: MRG
PROJECT NUMBER: 500975
DATE: June 2012
SHEET NO.: 1

G:\Urban Drainage & Flood Control\500975\Design\Plans\Sheets\500975-C-COVER.dwg, 6/22/2012 7:28:39 AM

General Notes For Storm Sewer

1. CONTRACTORS PERFORMING WORK ON ANY WASTEWATER FACILITY OR APPURTENANCE MUST BE PROPERLY LICENSED AND HAVE A LICENSED PLUMBER OR DRAINLAYER ON SITE DURING THE WORK.

2. THE MOST RECENT EDITION OF THE WASTEWATER MANAGEMENT DIVISION STANDARD DETAILS AND TECHNICAL SPECIFICATIONS APPLY TO ALL WORK. THE CONTRACTOR MUST BE IN POSSESSION OF THE STANDARD DETAILS AND TECHNICAL SPECIFICATIONS AT THE PRE-CONSTRUCTION CONFERENCE AND A COPY MUST REMAIN ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. WASTEWATER MANAGEMENT DIVISION STANDARD DETAILS AND TECHNICAL SPECIFICATIONS CAN BE VIEWED AT THE FOLLOWING WEBSITE ADDRESS: WWW.DENVERGOV.ORG.

   ---TYPE PUBLIC WORKS INTO THE SEARCH BOX (TOP RIGHT OF PAGE),
   ---SELECT DIVISIONS AND AGENCIES,
   ---UNDER ENGINEERING DIVISION, SELECT CAPITAL PROJECTS MANAGEMENT,
   ---ON THE RIGHT SIDE UNDER RELATED LINKS CLICK ON WASTEWATER CAPITAL PROJECTS,
   ---SELECT CONSTRUCTION DETAIL AND TECHNICAL SPECIFICATIONS.

3. THE CONSTRUCTION ACTIVITIES STORMWATER DISCHARGE PERMITS (STATE AND LOCAL), STREET-CUT PERMIT, AND STREET OCCUPANCY PERMIT (INCLUDING THE ASSOCIATED TRAFFIC CONTROL PLANS) ARE REQUIRED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL OF THESE PERMITS. APPROVED COPIES OF ALL REQUIRED PERMITS MUST BE SUBMITTED TO THE PROJECT CONSTRUCTION ENGINEER PRIOR TO THE START OF CONSTRUCTION.

4. A PARKS AND RECREATION PERMIT WILL BE REQUIRED FOR ANY WORK OR OCCUPANCY OF PARK LAND, THIS INCLUDES BUT IS NOT LIMITED TO: DESIGNATED CITY PARKS, PARKWAYS, OPEN SPACE, TRAILS AND BIKE PATHS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL MAINTENANCE OF PARKS FACILITIES AFFECTED BY CONSTRUCTION ACTIVITIES. THIS INCLUDES BUT IS NOT LIMITED TO THE MAINTENANCE AND IRRIGATION OF LANDSCAPING ITEMS OUTSIDE OF THE WORK AREA WHICH ARE DISCONNECTED FROM SERVICE DUE TO CONSTRUCTION OPERATIONS. ALL COST FOR THIS WORK SHALL BE INCLUDED WITHIN ASSOCIATED BID ITEMS AND NO ADDITIONAL PAYMENT WILL BE MADE.

5. ALL DESIGN DRAWINGS PROVIDED AS PART OF THIS CONTRACT ARE FORMATTED FOR PRINTING FULL SIZE, ON STANDARD 22 X 34 INCH (ANSI D) PAPER SIZE AND TO HALF-SIZE (AND SCALE WHERE APPROPRIATE) ON STANDARD 11 X 17 PAPER SIZE. IT IS THE USER'S RESPONSIBILITY TO ENSURE THAT HARD COPIES OF PLANS UTILIZED FOR BIDDING OR CONSTRUCTION ARE PRINTED ON THE PROPER MEDIA SIZE AND THAT SCALES PROVIDED WITHIN THE DRAWINGS ARE CORRECTLY INTERPRETED.

6. "RED-LINED" DRAWINGS AND PRINTS ARE TO BE MAINTAINED BY THE CONTRACTOR AND SUBMITTED TO THE PROJECT CONSTRUCTION ENGINEER AT THE COMPLETION OF THE PROJECT. ANY AND ALL FIELD CHANGES MADE DURING CONSTRUCTION MUST BE NOTED. THE DRAWINGS WILL STATE "RED LINES" IN LARGE BLOCK LETTERS. THE RED-LINED DRAWINGS MUST BE RECEIVED AND ACCEPTED BY THE PROJECT CONSTRUCTION ENGINEER PRIOR TO FINAL ACCEPTANCE AND SETTLEMENT.

7. THE CONTRACTOR SHALL NOTIFY THE PROJECT CONSTRUCTION ENGINEER IMMEDIATELY OF "ANY" DISCREPANCIES OR VARIATIONS IN DRAWINGS & SPECIFICATIONS THAT EFFECT PRICING OR THAT COULD REQUIRE MODIFICATION TO THE DESIGN.

8. THE CITY AND COUNTY OF DENVER ASSUMES NO RESPONSIBILITY FOR UTILITY LOCATIONS. THE UTILITIES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.

9. ALL RANGE POINTS OR OTHER SURVEY MONUMENTS WHICH MAY BE DESTROYED DURING CONSTRUCTION SHALL BE TIED OUT AND RESET BY THE CONTRACTOR'S SURVEYOR PER CITY SURVEYING STANDARDS. THE CONTRACTOR IS RESPONSIBLE FOR PROPER NOTIFICATION AND PROTECTION OF ALL MONUMENTS ENCOUNTERED DURING CONSTRUCTION.

10. ALL ELEVATIONS SHOWN ARE NAVD88 DATUM, UNLESS OTHERWISE NOTED.

11. INLETS AND MANHOLES ARE NOT SHOWN TO SCALE ON THE PLAN AND PROFILE SHEETS.

12. INVERT ELEVATIONS AND CALCULATED PIPE SLOPES ON STORM AND SANITARY PROFILES ARE TO THE CENTER OF MANHOLE OR STRUCTURE. PIPE LENGTHS ARE TWO DIMENSIONAL LENGTHS AND ARE CENTER TO CENTER BETWEEN MANHOLES AND TO THE INSIDE EDGE OF INLETS.

13. NORTHING AND EASTING CALLOUTS ON TYPE 16 AND TYPE 14 INLETS ARE TO THE CENTER OF THE STRUCTURE AT THE FLOWLINE. NORTHING AND EASTING CALLOUTS ON MANHOLES ARE TO THE CENTER OF THE MANHOLE.

14. LOCATION OF INLETS AND/OR INLET CONNECTORS MAY BE ADJUSTED IN THE FIELD AT THE DIRECTION OF THE PROJECT CONSTRUCTION ENGINEER IN CONJUNCTION WITH DESIGN INTENTION. ALL INLET CONNECTIONS SHOWN IN PLAN AND PROFILE ARE APPROXIMATE LOCATIONS AND DEPTHS.

15. DEPTHS OR BOTTOM OF STRUCTURE ELEVATIONS ARE PROVIDED FOR INLETS WITHIN THE PROJECT SCOPE. HOWEVER, THESE ELEVATIONS MAY VARY BASED ON FIELD CONDITIONS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ESTABLISH INLET DEPTHS AND COMPLETE CONSTRUCTION IN CONFORMANCE WITH APPLICABLE STANDARD DETAIL DRAWINGS BASED ON CLEARANCES OF ADJACENT UTILITIES WHILE MAINTAINING MINIMUM REQUIRED GRADES ON LATERAL CONNECTIONS.

16. ALL SEWER MANHOLES MUST BE MAINTAINED AND ACCESSIBLE DURING CONSTRUCTION.

17. THE CONTRACTOR SHALL LOCATE AND VERIFY ALL LIVE SANITARY SEWER SERVICES (TAPS) AND ENSURE THAT ALL ACTIVE TAPS AFFECTED BY THE CONSTRUCTION OPERATIONS ARE PROPERLY RECONNECTED. IN THE EVENT OF A SANITARY SEWER BACKUP, WITHIN THE CONSTRUCTION LIMITS, THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR ENSURING BUSINESSES AND RESIDENCES AFFECTED ARE IMMEDIATELY ADDRESSED AND PLACED BACK INTO SERVICE.

18. ALL SANITARY MANHOLES ARE 4' DIAMETER WITH "A" BASE AND CONCENTRIC CONE UNLESS NOTED OTHERWISE.

19. CHANGES IN THE ELEVATION OF AN EXISTING BRICK MANHOLE RING AND COVER MAY REQUIRE THE USE OF A PRE-CAST CONCRETE MANHOLE FLAT-TOP SECTION OR MANHOLE RECONSTRUCTION AT THE DISCRETION OF THE PROJECT INSPECTOR OR THE PROJECT CONSTRUCTION ENGINEER.

20. ALL MANHOLES BUILT WITHIN THIS PROJECT SHALL INCLUDE EITHER A 4" OR 8" CAST IRON RISER WITH 3" STEEL ADJUSTING RINGS.

21. REINFORCING STEEL:
    A. ALL REBAR SHALL BE PLACED PER SHOP DRAWINGS APPROVED BY THE PROJECT CONSTRUCTION ENGINEER.
    B. REINFORCING STEEL SHALL BE HOT ROLLED DEFORMED BARS, ASTM DESIGNATION A615, GRADE 60, UNLESS OTHERWISE SHOWN OR NOTED.
    C. LAPS SHALL BE CLASS B (SPLICE NO MORE THAN HALF OF BARS AT ANY LOCATION), EXCEPT WHERE OTHERWISE SHOWN OR NOTED. LAPS IN HORIZONTAL STEEL SHALL BE STAGGERED UNLESS OTHERWISE SHOWN.
    D. ALL CROSSING REINFORCING BARS SHALL BE TIED.
    E. FOR ALL CAST-IN-PLACE REINFORCED CONCRETE STRUCTURES THE CONTRACTOR SHALL SUPPLY ADEQUATE BAR CHAIRS AND SUPPORTS FOR REINFORCING SUBJECT TO THE APPROVAL OF THE PROJECT CONSTRUCTION ENGINEER.

22. EXACT LOCATION OF ALL SAW CUTS SHALL BE DETERMINED IN THE FIELD BY THE CONSTRUCTION PROJECT ENGINEER.

23. DOWELS, PIPES, WATER STOPS AND OTHER INSTALLED MATERIALS AND ACCESSORIES SHALL BE HELD SECURELY IN POSITION WHILE CONCRETE IS BEING PLACED.

24. #67 BEDDING OR SPECIAL BEDDING IS REQUIRED FOR ALL STORM AND SANITARY SEWER PIPE, IN ACCORDANCE WITH THE STANDARD DETAILS AND TECHNICAL SPECIFICATIONS. OTHER FACILITIES MAY REQUIRE DIFFERENT BEDDING TYPES, PER SPECIFIC OWNER REQUIREMENTS.

25. THE CONTRACTOR SHALL BACKFILL AND FINE GRADE ALL CUT OR FILL SLOPES TO MATCH EXISTING CONDITIONS TO THE SATISFACTION OF THE PROJECT CONSTRUCTION ENGINEER. WHERE EXISTING LAWNS ARE DAMAGED BY THE CONTRACTOR'S OPERATIONS THE CONTRACTOR SHALL RE-SEED AND/OR SOD THE AFFECTED AREA TO A CONDITION EQUAL TO, OR BETTER THAN THAT WHICH EXISTED PRIOR TO CONSTRUCTION. ALL COSTS ARE INCLUDED WITHIN APPURTENANT BID ITEMS.

26. DENVER WATER

    A. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO TAKE WHATEVER STEPS NECESSARY TO PROTECT ALL WATER FACILITIES. IF ANY WATER FACILITIES CANNOT BE ADEQUATELY PROTECTED, THEN SAID WATER FACILITIES SHALL BE RELOCATED OR REMOVED IN ACCORDANCE WITH THE DENVER WATER DEPARTMENT REQUIREMENTS, BY A DENVER WATER PREQUALIFIED CONTRACTOR.
    B. CONSTRUCTION ACTIVITIES BY ANY PARTY THAT DISTURB, RELOCATE, SEVER, OR IN ANY OTHER WAY IMPACT A SERVICE LINE SHALL BE REQUIRED TO MEET CURRENT DENVER WATER REQUIREMENTS FOR SERVICE LINES AS SPECIFIED IN CHAPTER 3 OF THE LATEST DENVER WATER STANDARDS.

27. TREE PROTECTION

    IF EXISTING TREES ARE TO BE REMOVED THEY MUST FIRST BE EVALUATED BY THE CITY AND COUNTY OF DENVER FORESTRY (PARKS) DEPARTMENT AND A PERMIT MUST BE OBTAINED. EXISTING TREES TO REMAIN MUST HAVE FORESTRY APPROVED TREE PROTECTION SET UP AROUND THEM DURING THE CONSTRUCTION AS SHOWN IN THE "INDIVIDUAL TREE PROTECTION DETAIL" WHICH CAN BE FOUND BY GOING TO WWW.DENVERGOV.ORG, TYPE "LANDSCAPE PLANNING" INTO THE SEARCH BOX (TOP RIGHT OF PAGE). THE CONTRACTOR MUST FOLLOW ALL OF THE CITY AND COUNTY OF DENVER TREE RETENTION AND PROTECTION GUIDELINES.

28. METRO WASTEWATER RECLAMATION DISTRICT

    METRO WASTEWATER RECLAMATION DISTRICT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ON METRO FACILITIES IN ORDER FOR A DISTRICT INSPECTOR TO BE PRESENT DURING CONSTRUCTION. CONTRACTOR MUST CONTACT METRO WASTEWATER RECLAMATION DISTRICT TO SCHEDULE THE INSPECTION 303-286-6000.

General Site Notes

1. CONTRACTOR TO VERIFY EASEMENTS AND ROW WITH THE CITY AND COUNTY OF DENVER PRIOR TO COMMENCING CONSTRUCTION.

2. UNLESS LEAKS OR ANY OTHER TYPE OF DAMAGE RELATIVE TO DENVER WATER'S FACILITIES ARE CALLED TO DENVER WATER'S ATTENTION PRIOR TO EXCAVATION, IT IS PRESUMED THAT SAID LEAKS OR DAMAGE WAS CAUSED BY CONTRACTOR'S CONSTRUCTION ACTIVITIES. THEREFORE, PRIOR TO AND DURING EXCAVATION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE FOR EVIDENCE OF LEAKS OR DAMAGE TO DENVER WATER FACILITIES AND TO IMMEDIATELY CALL TO DENVER WATER'S ATTENTION ANY EVIDENCE OF SAID PRE-EXISTING LEAKS OR DAMAGE.

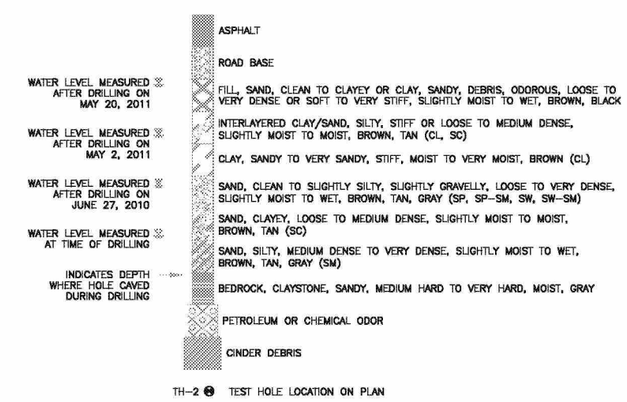
3. ALL PROJECT CONSTRUCTION SHALL BE MAINTAINED ON CITY PROPERTY, WITHIN THE CITY'S STREET RIGHT-OF-WAY, OR WITHIN THE PERMANENT DRAINAGE EASEMENTS AND TEMPORARY CONSTRUCTION EASEMENTS SHOWN ON THE DRAWINGS.

4. SEEDING, SODDING, AND PLANTING SHALL BE SPECIFIED, OR OTHERWISE APPROVED BY CITY. CONSTRUCTION MAINTENANCE AND WATERING REQUIREMENTS SHALL CONFORM WITH THE CITY STANDARD SPECIFICATIONS, UNLESS OTHERWISE NOTED. WHERE LANDSCAPE RESTORATION MUST BE DELAYED DUE TO SEASONAL REQUIREMENTS, SUCH WORK MAY BE AUTHORIZED BY A SEPARATE PERMIT.

5. RTD FASTRACKS MAY BE CONSTRUCTING IMPROVEMENTS ASSOCIATED WITH THEIR EAST CORRIDOR PROJECT ALONG BRIGHTON BOULEVARD, 40TH STREET, WYNKOOP STREET, BLAKE STREET AND 40TH AVENUE SIMULTANEOUSLY WITH THIS PROJECT. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH RTD AND RTD'S CONTRACTOR(S).

Test Hole Log

(See contract documents appendix for complete data)



TH-2 TEST HOLE LOCATION ON PLAN

CALL BEFORE YOU DIG

CALL 811 FOR BURIED UTILITY INFORMATION THREE (3) BUSINESS DAYS BEFORE YOU DIG (OR 1-800-922-1987)

811

UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) WWW.UNCC.ORG

Existing Features

- Existing Tree
- Sign
- Post
- Fire Hydrant
- Street/Traffic Light
- Existing Manhole
- Existing Manhole (Special)
- Existing Inlet
- Existing Valve
- Fence
- Existing Underground Telephone
- Existing Fiber Optic
- Existing Underground Electric
- Existing Overhead Electric
- Existing Gas Line
- Existing Water Main
- Existing Sanitary Sewer
- Existing Storm Sewer

Proposed Features

- Proposed Manhole
- Proposed Access Riser
- (Type 13/16) Valley Inlet
- (Type 14 or Type 16) Inlet
- Proposed Storm Sewer Line

Survey Symbols

- Benchmark
- Control Point/Found Monument
- Chiseled "X"
- Land Corner
- Pin & Cap
- Property Corner
- Range Point
- Rebar
- Section Line
- Property Line/R.O.W. Line
- Easement Line
- Construction Limits

Abbreviations

℄ – CENTER LINE
CCD – CITY AND COUNTY OF DENVER
C. & G. – CURB & GUTTER
CFS – CUBIC FEET PER SECOND
C.G.& SW. – CURB,GUTTER & SIDEWALK
C.H. – CURB HEAD
CLSM – CONTROLLED LOW STRENGTH MATERIAL
C.P.M. – CAPTIAL PROJECTS MANAGEMENT
D.W.B. – DENVER WATER BOARD
E.F. – EACH FACE
E.G.L. – ENERGY GRADE LINE
E.O.A. – EDGE OF ASPHALT
E.S. – EACH SIDE
E.W. – EACH WAY
F_LG. – FINAL GRADE
F – FLOW LINE
H.G.L. – HYDRAULIC GRADE LINE
I – INLET
INV. – INVERT
LL – LAND LINE
MH – MANHOLE
N.T.S. – NOT TO SCALE
P – PROPERTY LINE
PVC – POLY VINYL CHLORIDE
Q_5 – 5 YEAR DESIGN FLOW
Q – FULL FLOW CAPACITY AT INDICATED SLOPE
RCP – REINFORCED CONCRETE PIPE
R.L. – RANGE LINE
T.O.C. – TOP OF CONCRETE
T.O.P. – TOP OF PIPE
T.O.S. – TOP OF SLAB
T.O.W. – TOP OF WALL
TYP. – TYPICAL
U.N.O. – UNLESS NOTED OTHERWISE
W.M.D. – WASTEWATER MANAGEMENT DIVISION

NO.	DESCRIPTION OF REVISIONS	DATE	BY

CALL UNCC TWO WORKING DAYS BEFORE YOU DIG 1-800-922-1987 UTILITY NOTIFICATION CENTER OF COLORADO

CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
CAPITAL PROJECT MANAGEMENT
2000 W. 3RD AVE. DENVER, CO 80223
TEL.: (303) 446-3610 FAX: (303) 446-3647

HIGH ST. OUTFALL & 40TH AVE. SYSTEM
PHASE 2 - S. PLATTE RIVER TO WYNKOOP ST.
GENERAL NOTES

DRAWN BY:	ELS
DESIGNED BY:	CJC
APPROVED BY:	MRG
PROJECT NUMBER:	500975
DATE:	June 2012
SHEET NO.:	2

BNSF RAILROAD

FUTURE RTD NORTH METRO FASTRACKS

PROPOSED RTD FENCELINE/APPROX. R.O.W. FOR FUTURE NORTH METRO FASTRACKS LINE.

E 647750
N 455000

E 648000
N 455250

E 648500
N 455250

E 648500
N 455500

SOUTH PLATTE RIVER

REMOVE 4 CONCRETE AND WOOD PICNIC TABLES AND CONCRETE PADS

REMOVE ___±L.F. OF CONCRETE TRAIL.

RELOCATE TRASH CANS AND REMOVE CONCRETE PADS

RELOCATE 2 SIGNS AND REMOVE CONCRETE PADS.

REMOVE HEADWALL, WINGWALLS AND ___±S.F. OF GROUTED BOULDERS

REMOVE EXISTING DOUBLE 6' X 7.5' AND 6' X 10' RCBS, HEADWALL, AND WINGWALLS

RELOCATE SIGN AND REMOVE CONCRETE PAD.

REMOVE TIMBER AND STEEL SHADE STRUCTURE, CONCRETE WALLS, AND ___± S.F. BRICK PLAZA

REMOVE 210±L.F. CHAINLINK FENCE

GLOBEVILLE LANDING PARK

REMOVE ___±S.F. EXISTING CONCRETE SLOPE PAVING. TYP BOTH SIDES.

REMOVE ___± L.F. OF CONCRETE TRAIL

RELOCATE 2 LIGHT POLES

REMOVE ___±L.F. OF CURB AND GUTTER AND ___±S.F. OF ASPHALT

RELOCATE BACKFLOW PREVENTER AND REMOVE CONCRETE PAD

EXISTING OUTFALL

RELOCATE PICNIC TABLES AND TRASH CAN AND REMOVE CONCRETE PADS

RELOCATE TRASH CAN AND REMOVE CONCRETE PAD.

COLISEUM PARKING LOT

TEMPORARILY REMOVE AND REPLACE CONCRETE BARRIERS TO EXISTING LOCATION

REMOVE TWO 6" DIA. STEEL POSTS.

REMOVE AND RELOCATE 2 HANDICAP PARKING SIGNS AND 3 PARKING SIGNS FOR PARKING LOT.

RELOCATE PICNIC TABLES AND REMOVE CONCRETE PADS

REMOVE ROCK RIPRAP IN EXISTING CHANNEL AND BANKS

ARKINS CT.

REMOVE 15± BOLLARDS

ELECTRIC POLE WITH STREET LIGHT TO BE RELOCATED BY XCEL ENERGY. CONTRACTOR TO COORDINATE WITH XCEL.

TEMPORARILY REMOVE AND REPLACE 200±L.F. BOLLARD AND CHAIN FENCE ALONG ARKINS CT.

PROPERTY LINE, TYP.

EX. MCFARLAND DR.

PEPSI BOTTLING CO.

40 0 40 80
1 inch = 40 feet

NOTES:
1. REMOVE ALL TREES AND SHRUBS WITHIN GRADING LIMITS, UNLESS NOTED OTHERWISE.
2. TEMPORARILY REMOVE AND REPLACE STREET SIGNS ALONG ARKINS COURT.
3. CONCRETE TRAILS, CURB AND GUTTER, AND SLOPE PAVING SHALL BE SAWCUT AT JOINTS IN A STRAIGHT LINE FOR REMOVAL.

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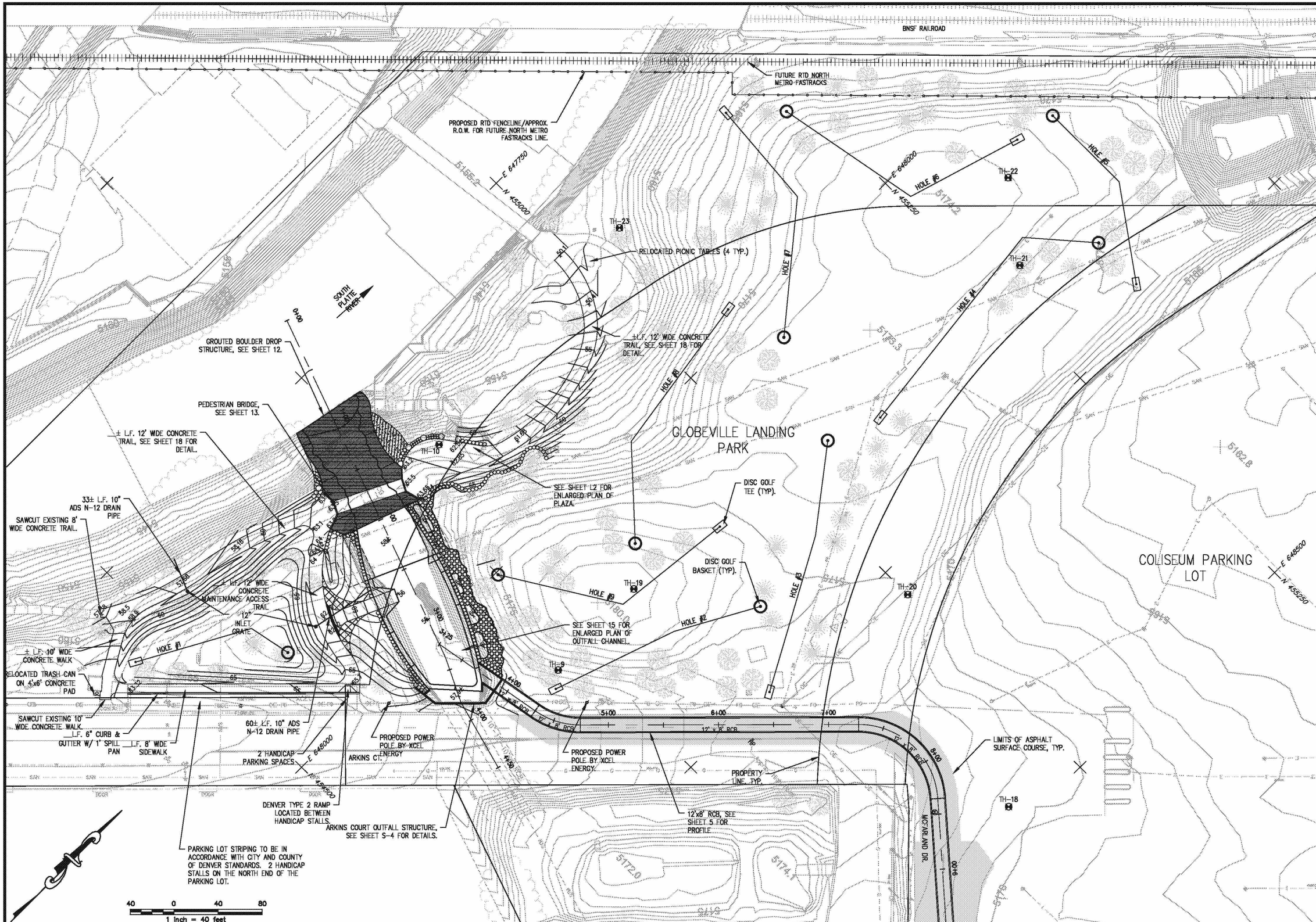
CAPITAL PROJECT MANAGEMENT
2000 W. 3RD AVE. DENVER, CO 80223
TEL.: (303) 446-3610 FAX: (303) 446-3647

HIGH ST. OUTFALL & 40TH AVE. SYSTEM PHASE 2 - S. PLATTE RIVER TO WYNKOOP ST.

GLOBEVILLE PARK DEMOLITION AND RELOCATION PLAN

DRAWN BY:	ELS
DESIGNED BY:	JMB, LEH
APPROVED BY:	MRG
PROJECT NUMBER:	500975
DATE:	June 2012
SHEET NO.:	3

P:\Urban Drainage & Flood Control\500975\Design\Drawings\Civil\Plan Sheets\500975-CIVIL01.dwg, 6/22/2012 7:28:55 PM



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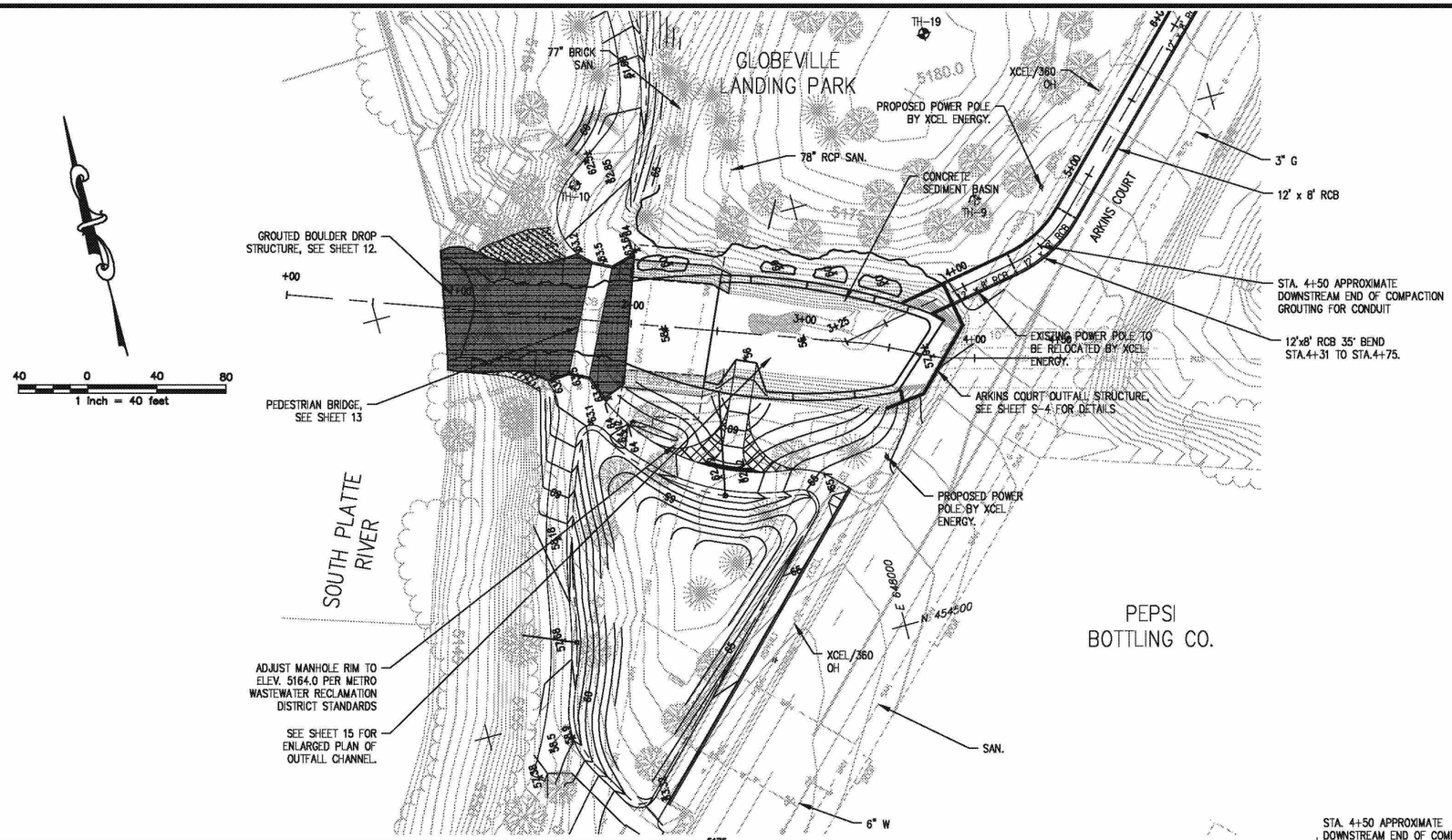
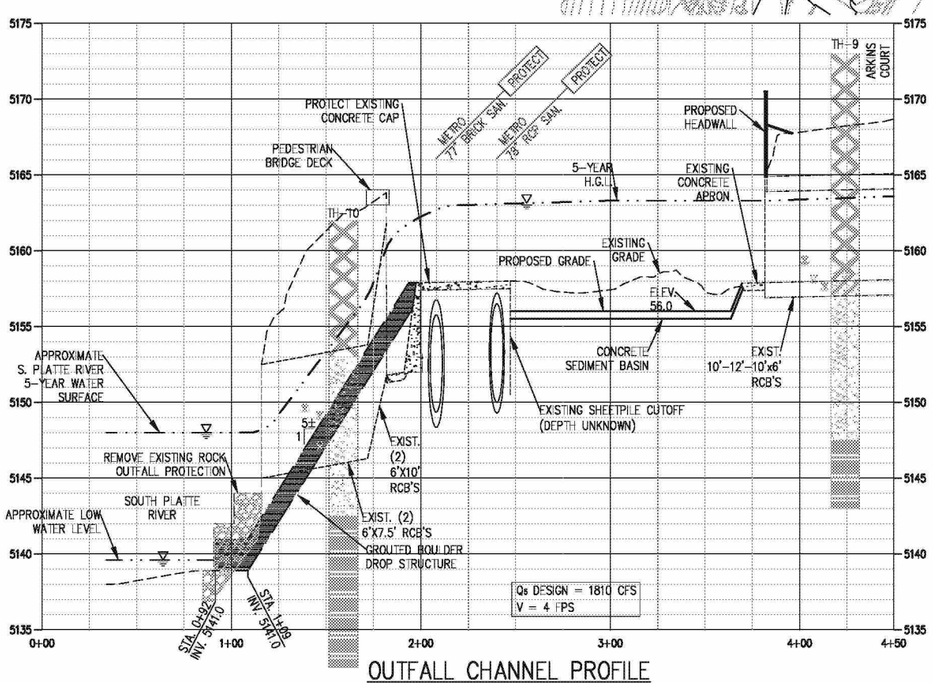
HIGH ST. OUTFALL & 40TH AVE. SYSTEM PHASE 2 - S. PLATTE RIVER TO WYNKOOP ST.

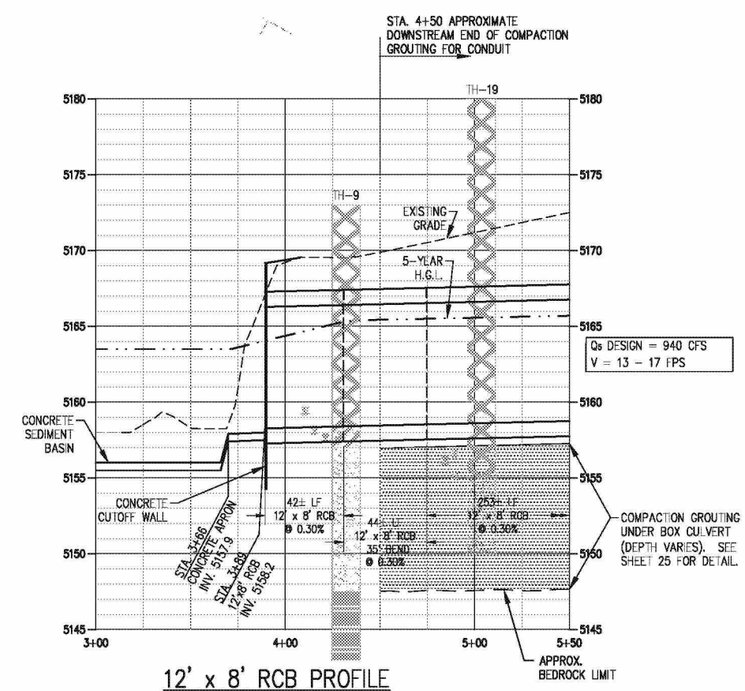
GLOBEVILLE PARK OUTFALL PLAN

DRAWN BY: ELS
DESIGNED BY: JMB, LEH
APPROVED BY: MRG
PROJECT NUMBER: 500975
DATE: June 2012
SHEET NO.: 4





OUTFALL CHANNEL PROFILE



12' x 8' RCB PROFILE

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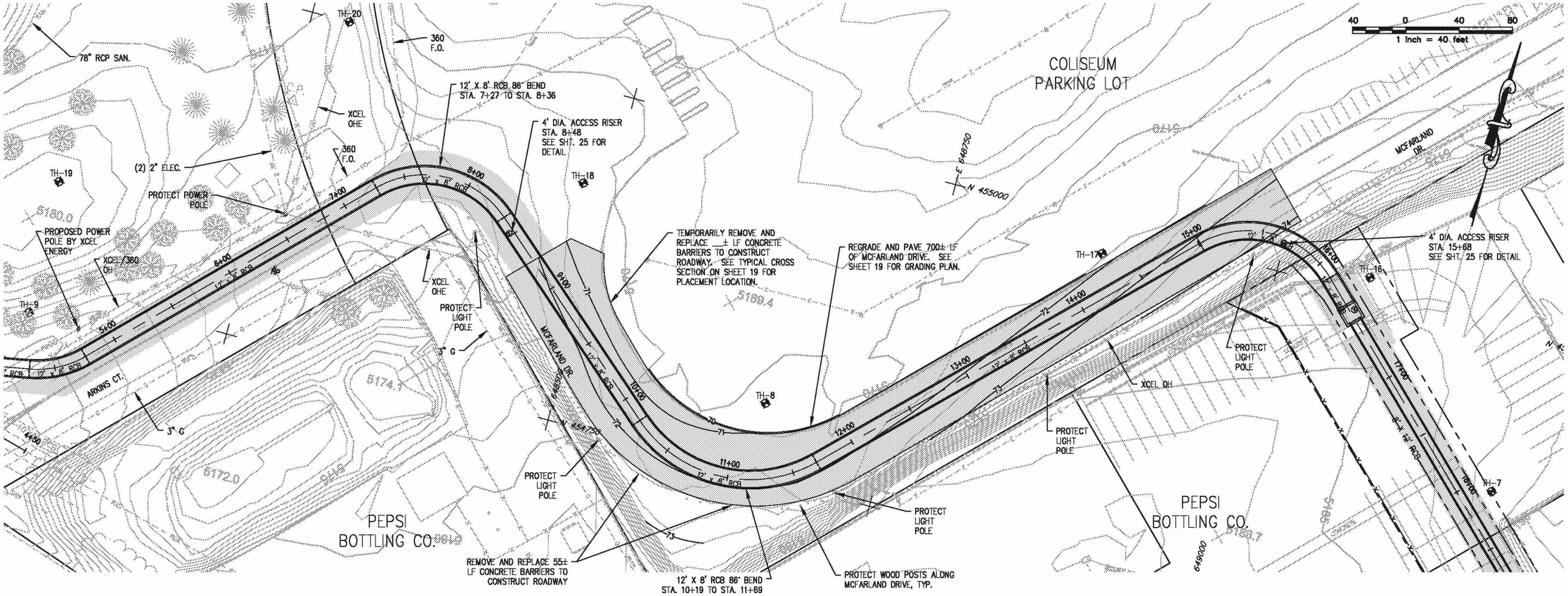
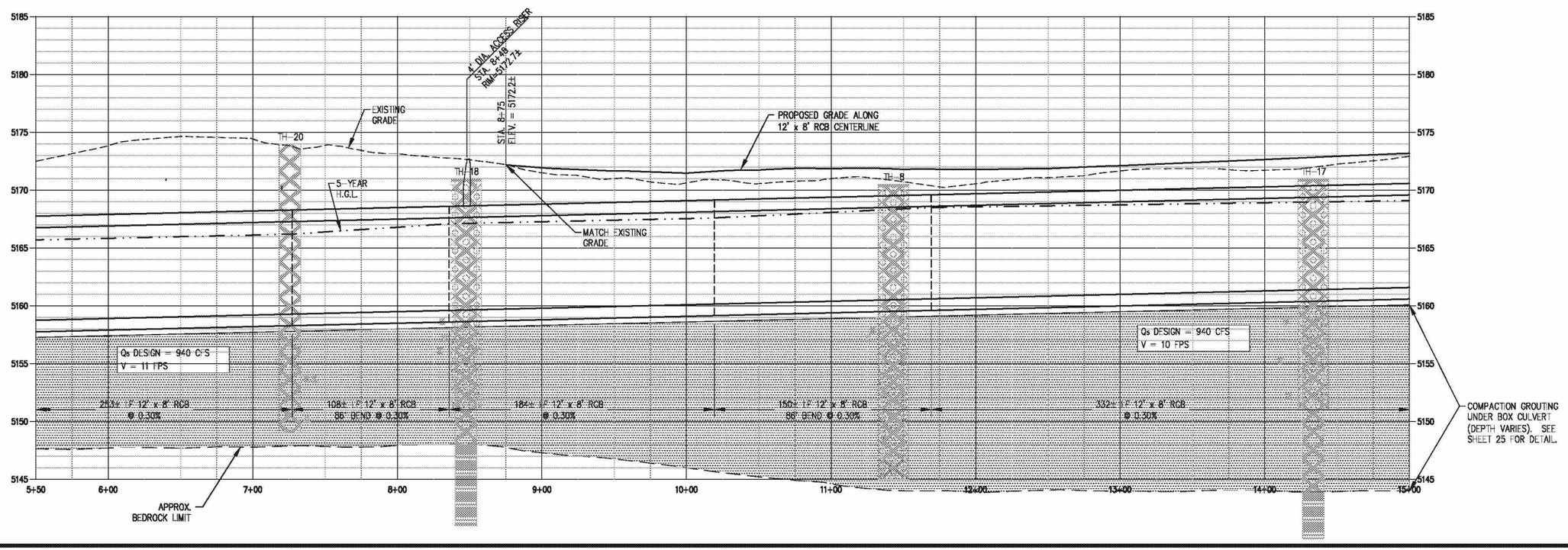
ENGINEERING DIVISION
CAPITAL PROJECT MANAGEMENT
2000 W. 3RD AVE. DENVER, CO 80223
TEL.: (303) 446-3610 FAX: (303) 446-3647

HIGH ST. OUTFALL & 40TH AVE. SYSTEM
PHASE 2 - S. PLATTE RIVER TO WYNKOOP ST.
PLAN AND PROFILE STA. 0+00 TO STA. 5+50

DRAWN BY:	LEH
DESIGNED BY:	JMB, LEH
APPROVED BY:	MRG
PROJECT NUMBER:	500975
DATE:	June 2012
SHEET NO.:	5





NO.	DESCRIPTION OF REVISIONS	DATE	BY

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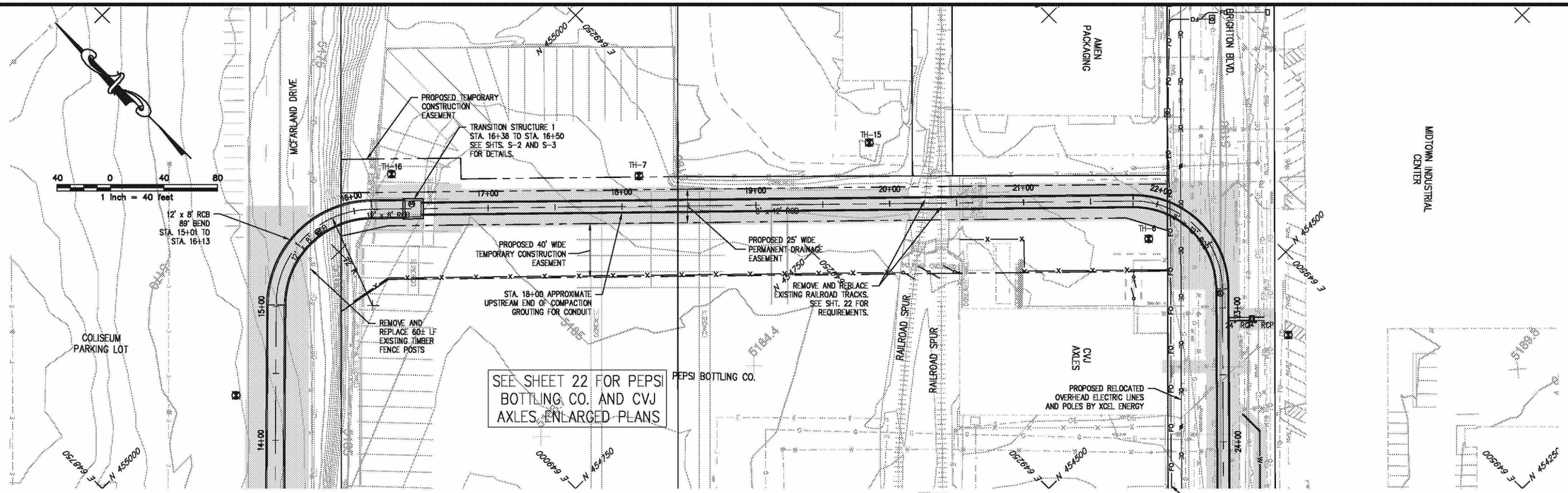
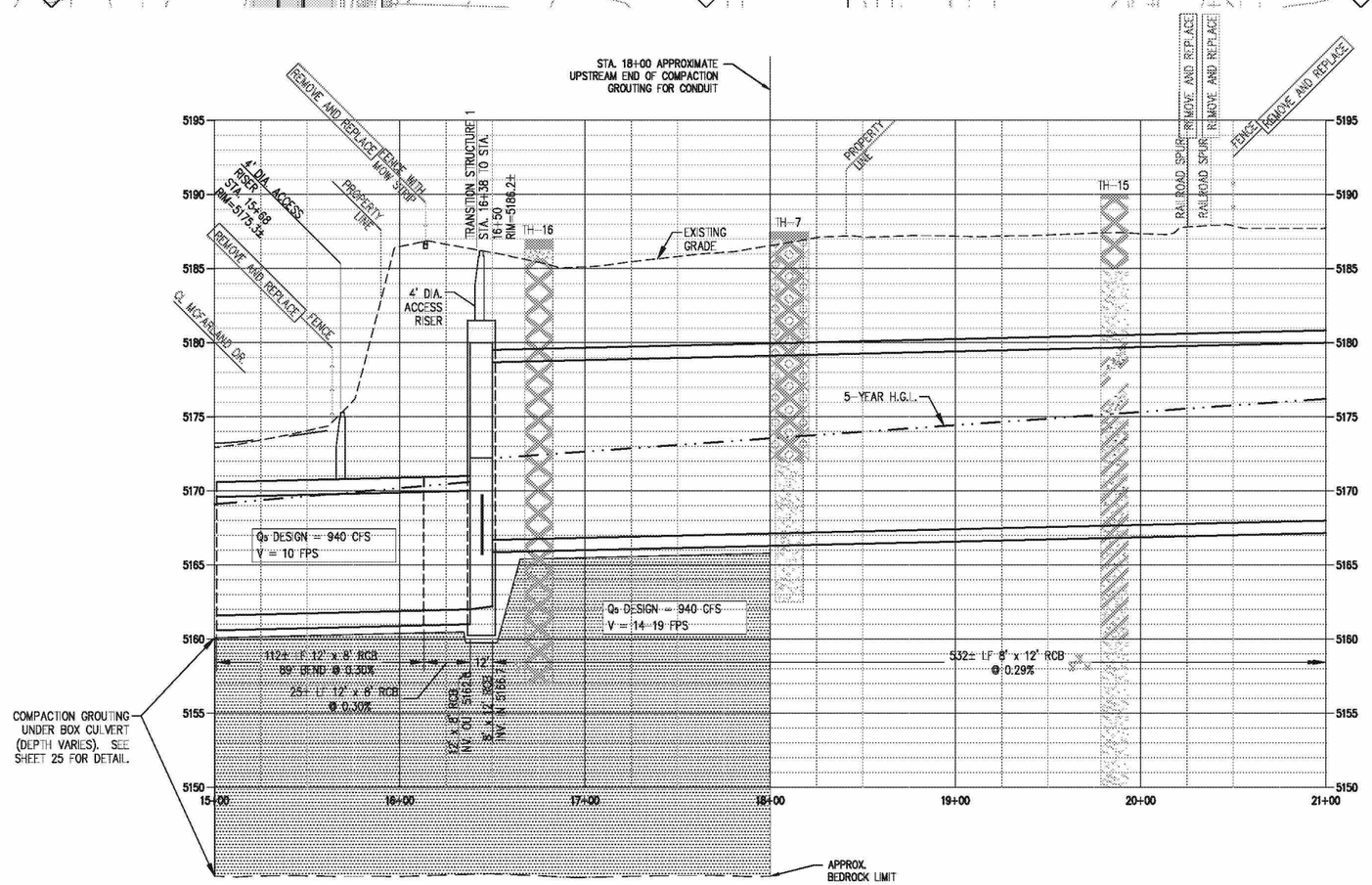
HIGH ST. OUTFALL & 40TH AVE. SYSTEM
PHASE 2 - S. PLATTE RIVER TO WYNKOOP ST.
PLAN AND PROFILE STA. 5+50 TO STA. 15+00

DRAWN BY:	ELS
DESIGNED BY:	CJC, JMB
APPROVED BY:	MRG
PROJECT NUMBER:	500975
DATE:	June 2012
SHEET NO.:	6

ED_002396_00000209-00006





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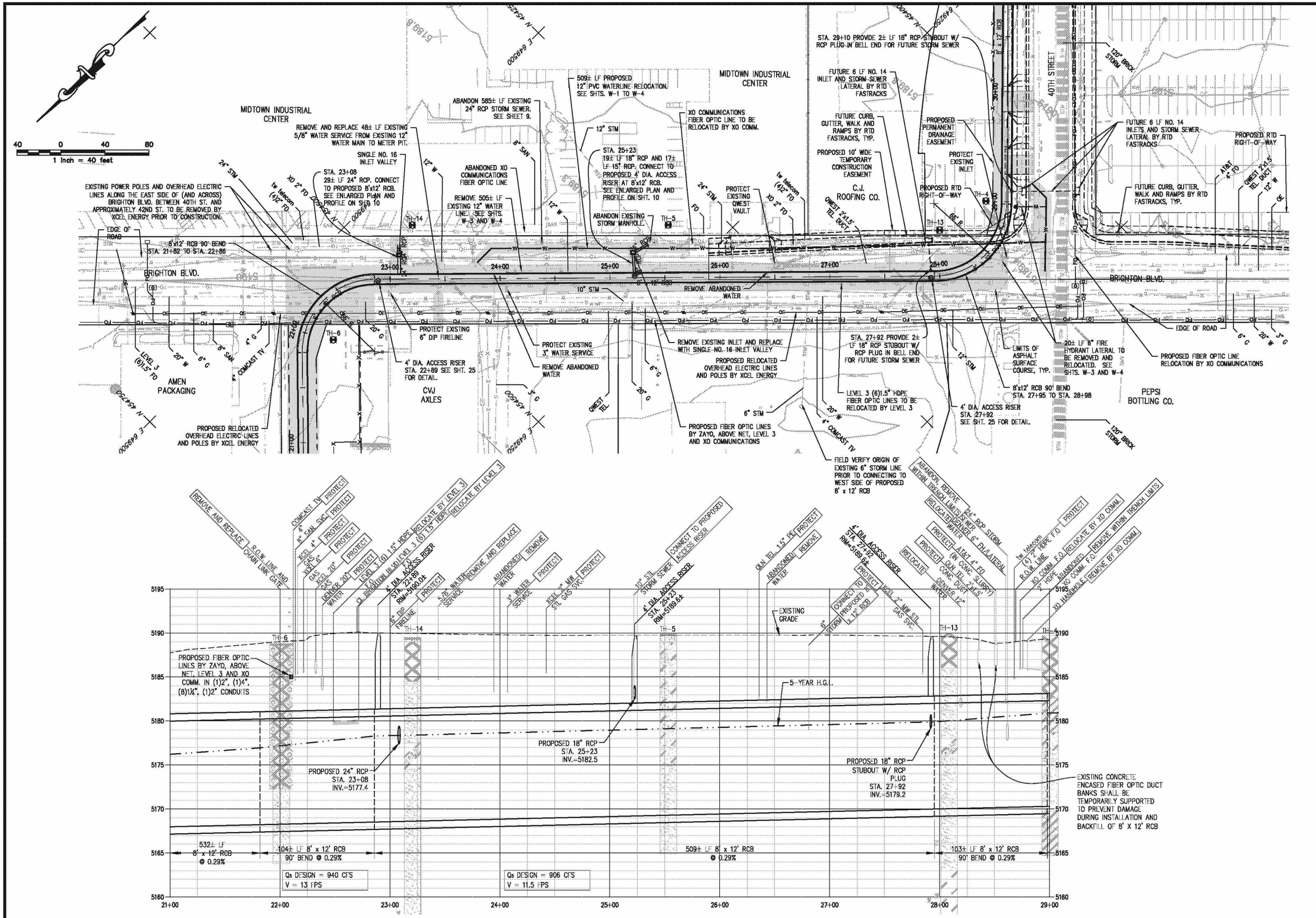
HIGH ST. OUTFALL & 40TH AVE. SYSTEM
PHASE 2 - S. PLATTE RIVER TO WYNKOOP ST.
PLAN AND PROFILE STA. 15+00 TO STA. 21+00

DRAWN BY:	BLG, ELS
DESIGNED BY:	CJC
APPROVED BY:	MRG
PROJECT NUMBER:	500975
DATE:	June 2012
SHEET NO.:	7



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HIGH ST. OUTFALL & 40TH AVE. SYSTEM
PHASE 2 - S. PLATTE RIVER TO WYNKOOP ST.
PLAN AND PROFILE STA. 21+00 TO STA. 29+00

DRAWN BY:	BLG, ELS
DESIGNED BY:	CJC
APPROVED BY:	MRG
PROJECT NUMBER:	500975
DATE:	June 2012
SHEET NO.:	8