

CITY OF ALBUQUERQUE

DEPARTMENT OF MUNICIPAL DEVELOPMENT

CONSTRUCTION PLANS

ONE CENTRAL STORM DRAIN RELOCATION

1ST STREET NW
COA Project 691881



SHEET NO.	DESCRIPTION	GROUP
1-1	COVER SHEET	GENERAL PROJECT INFORMATION
1-1	INDEX OF SHEETS	
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3-1	SURVEY CONTROL	ROADWAY DETAILS
3-2	ACCESS RAMP PLAN	
3-3	CONCRETE WALL BARRIER MISC. DETAILS	
6-1	STORM DRAIN PLAN AND PROFILE	DRAINAGE DETAILS
6-2	DRAINAGE PIPE COLLAR DETAIL	

BEGINNING OF CONSTRUCTION (1ST STREET NW)



END OF CONSTRUCTION (1ST STREET NW)

VICINITY MAP

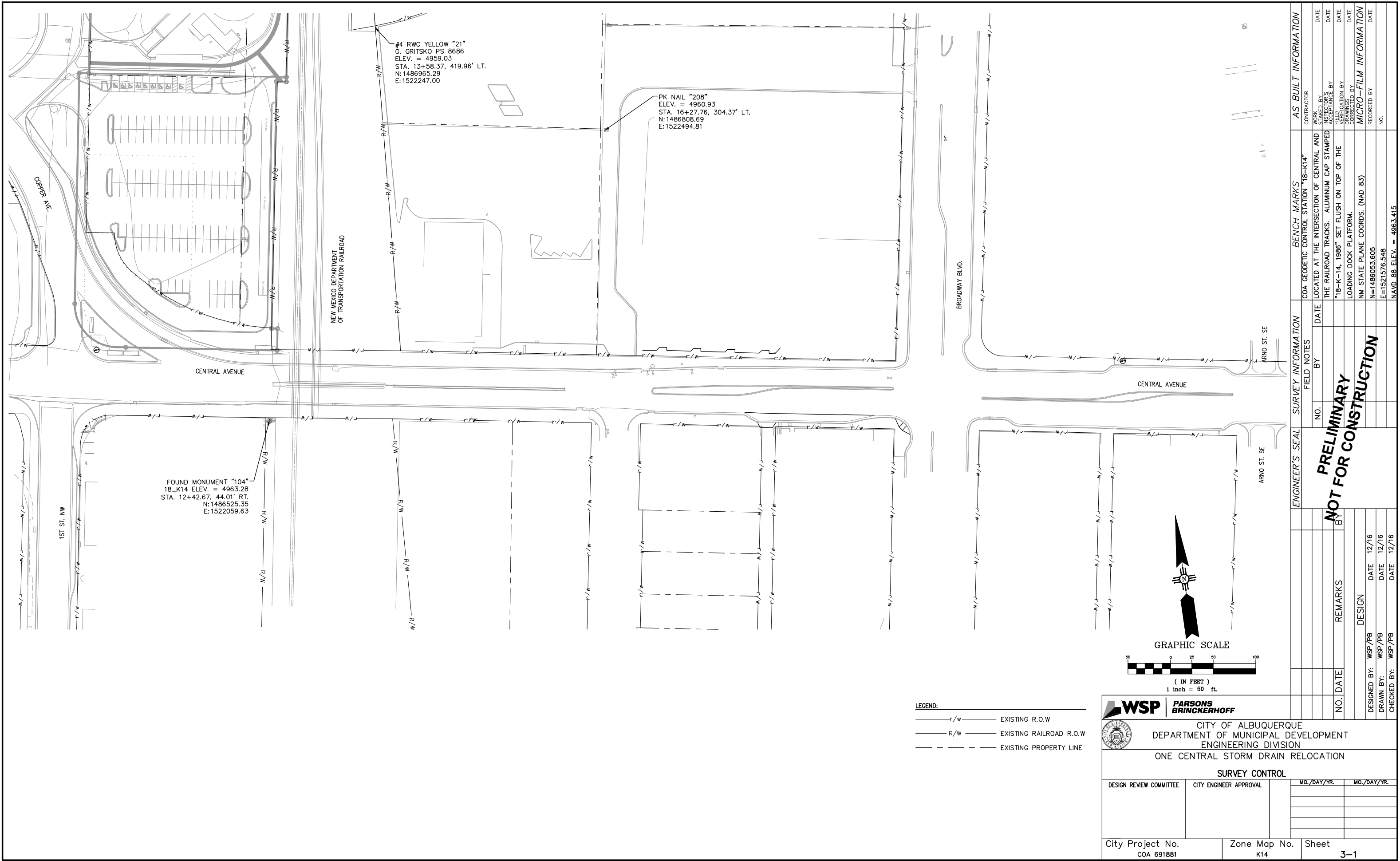
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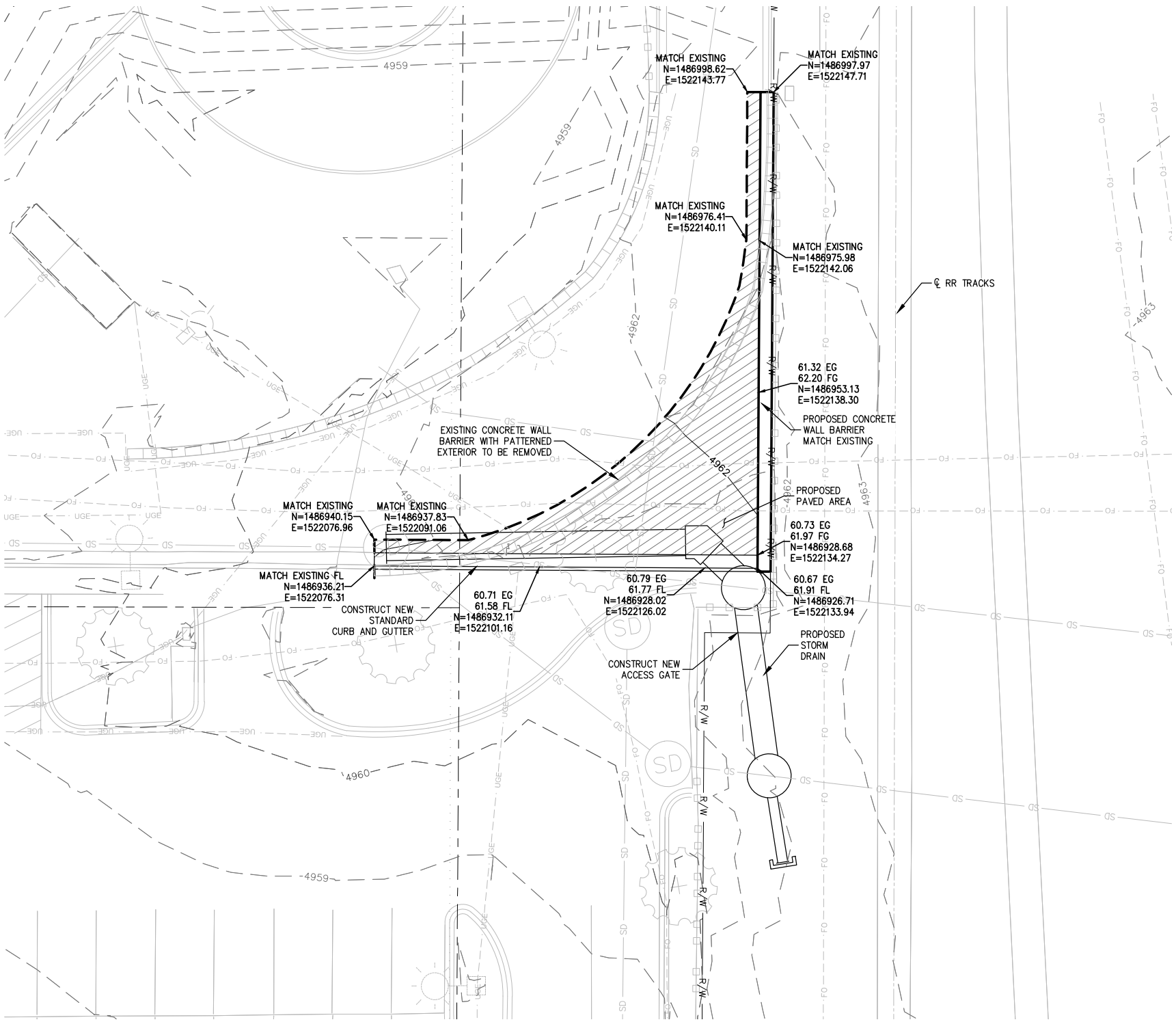
Zone Atlas Maps
K14

PURPOSE OF PROJECT
STORM DRAIN RELOCATION
1ST STREET NW



REV.	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE			APPROVALS		ENGINEER	
			DRC Chairman		APPROVED FOR CONSTRUCTION	
			Transportation			
			Water/Wastewater			
			Hydrology			
			Parks			
			Constr. Coord.			
Traffic Eng.			City Engineer		Date	
AMAFCA						
PROJECT NO.					SHEET	
COA 691881					1-1	



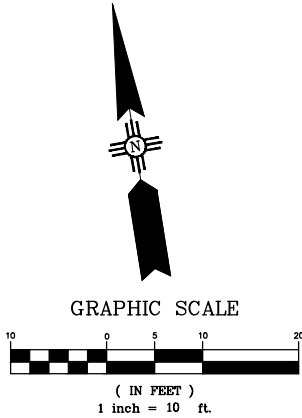
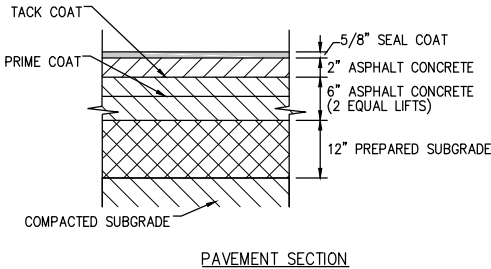


GENERAL NOTES:

- 1. CONSTRUCT CONCRETE WALL BARRIER WITH PATTERNED FACE AND COLOR TO MATCH EXISTING, SEE DETAILS ON SHEET 3-3. LAYOUT NORTHING AND EASTING ARE TO THE BASE OF THE WALL.
- 2. CONSTRUCT CURB AND GUTTER PER COA STANDARD DRAWING 2415.

LEGEND:

- r/w- EXISTING R.O.W
- R/W- EXISTING RAILROAD R.O.W
- - - - - EXISTING PROPERTY LINE
- o-o-o- EXISTING METAL FENCE
- SD- EXISTING STORM DRAIN PIPE
- UGE- EXISTING UNDER GRND ELECTRIC
- SAS- EXISTING SANITARY SEWER LINE
- W- EXISTING WATER LINE
- FO- EXISTING FIBER OPTIC LINE
- G- EXISTING NATURAL GAS LINE
- (SD) EXISTING STORM DRAIN
- (Light symbol) EXISTING LIGHT
- (Tree symbol) EXISTING TREE
- EG EXISTING GRADE
- FG FINISH GRADE
- FL FLOWLINE



WSP

PARSONS
BRINCKERHOFF

CITY OF ALBUQUERQUE

DEPARTMENT OF MUNICIPAL DEVELOPMENT

ENGINEERING DIVISION

ONE CENTRAL STORM DRAIN RELOCATION

ACCESS RAMP PLAN

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

MO./DAY/YR.

MO./DAY/YR.

City Project No.
COA 691881

Zone Map No.
K14

Sheet
3-2

DESIGNED BY: WSP/PB
DATE 12/16

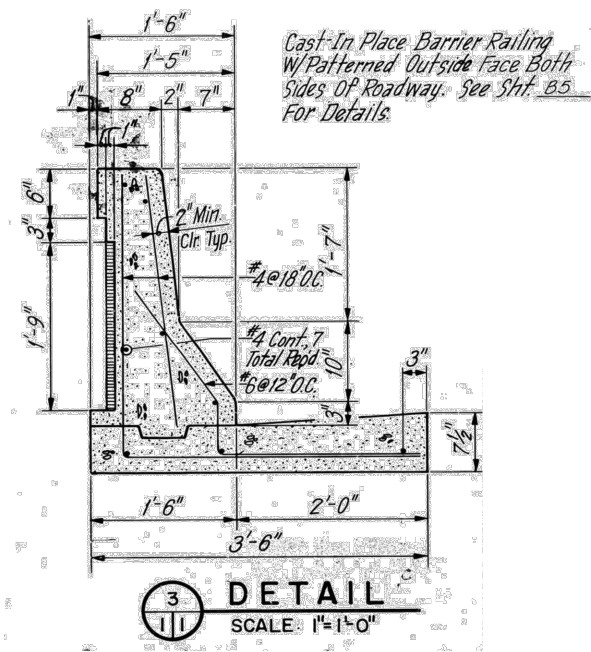
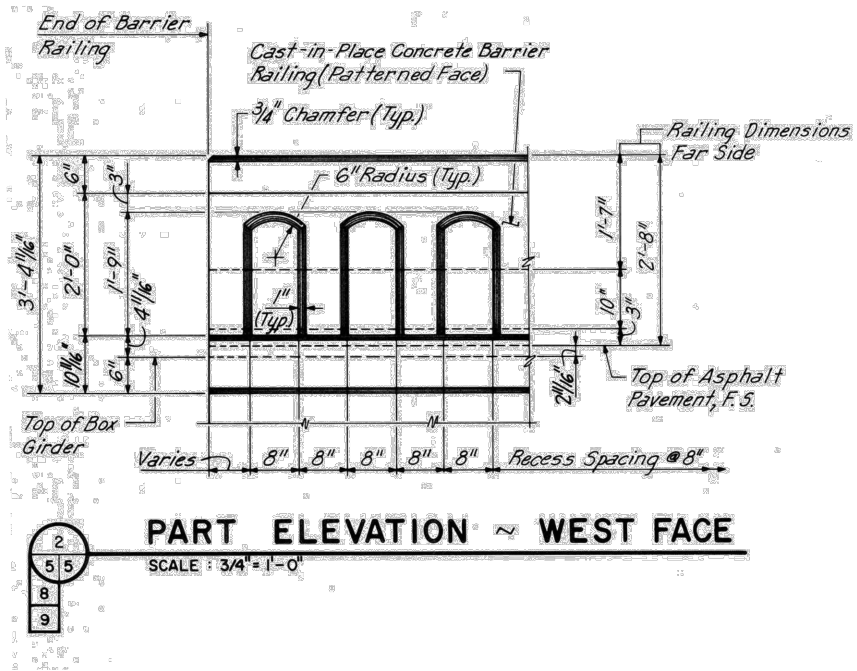
DRAWN BY: WSP/PB
DATE 12/16

CHECKED BY: WSP/PB
DATE 12/16

NO. DATE REMARKS BY

DESIGN

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.		FIELD NOTES		COA GEODETIC CONTROL STATION "18-K14"		CONTRACTOR	
BY		DATE		LOCATED AT THE INTERSECTION OF CENTRAL AND THE RAILROAD TRACKS. ALUMINUM CAP STAMPED "18-K-14, 1986" SET FLUSH ON TOP OF THE LOADING DOCK PLATFORM.		NO.	
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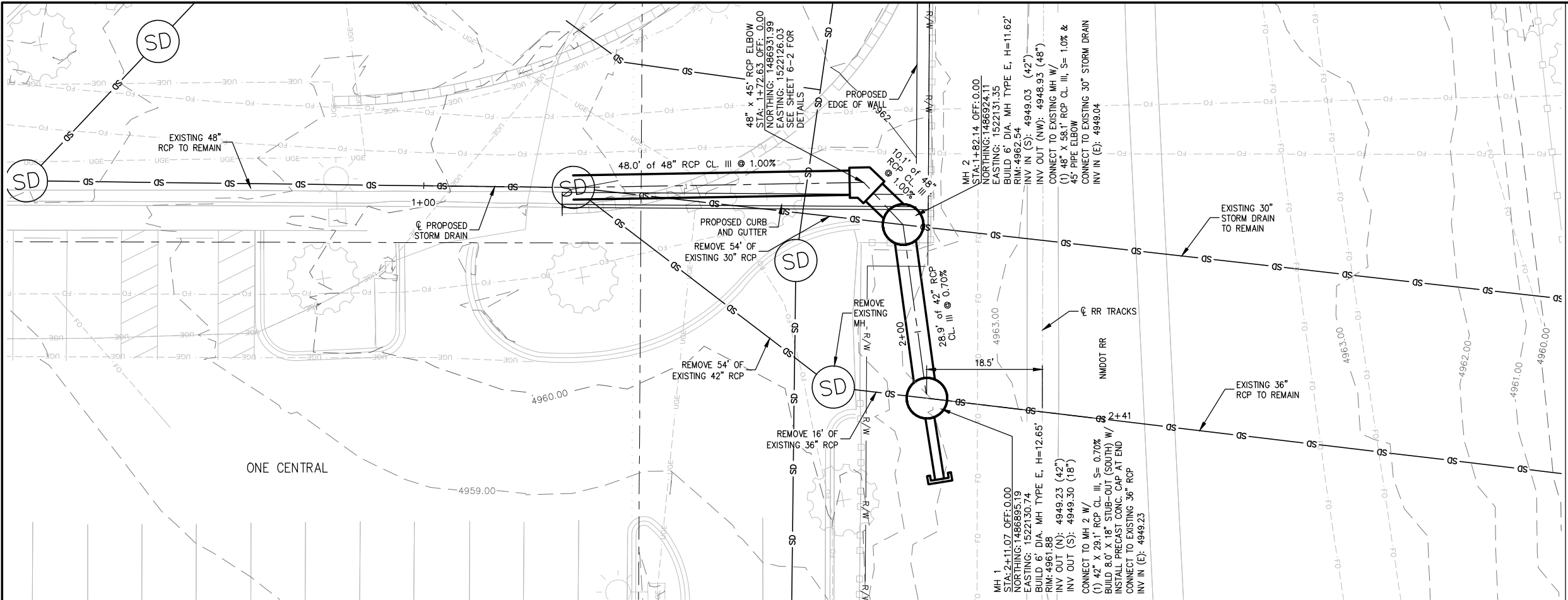
WSP PARSONS BRINCKERHOFF			
CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION			
ONE CENTRAL STORM DRAIN RELOCATION			
CONCRETE WALL BARRIER MISC. DETAILS			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
City Project No. COA 691881		Zone Map No. K14	Sheet 3-3

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		COA GEODETIC CONTROL STATION "18-K14"		CONTRACTOR	
		NO. BY DATE		LOCATED AT THE INTERSECTION OF CENTRAL AND THE RAILROAD TRACKS. ALUMINUM CAP STAMPED "18-K-14, 1986" SET FLUSH ON TOP OF THE LOADING DOCK PLATFORM.		NO. BY DATE	
		NO. BY DATE				INSPECTOR'S ACCEPTANCE BY DATE	
		NO. BY DATE				DRAWINGS CORRECTED BY DATE	
		NO. BY DATE				MICRO-FILM INFORMATION	
		NO. BY DATE				RECORDED BY DATE	
		NO. BY DATE				NO. DATE	

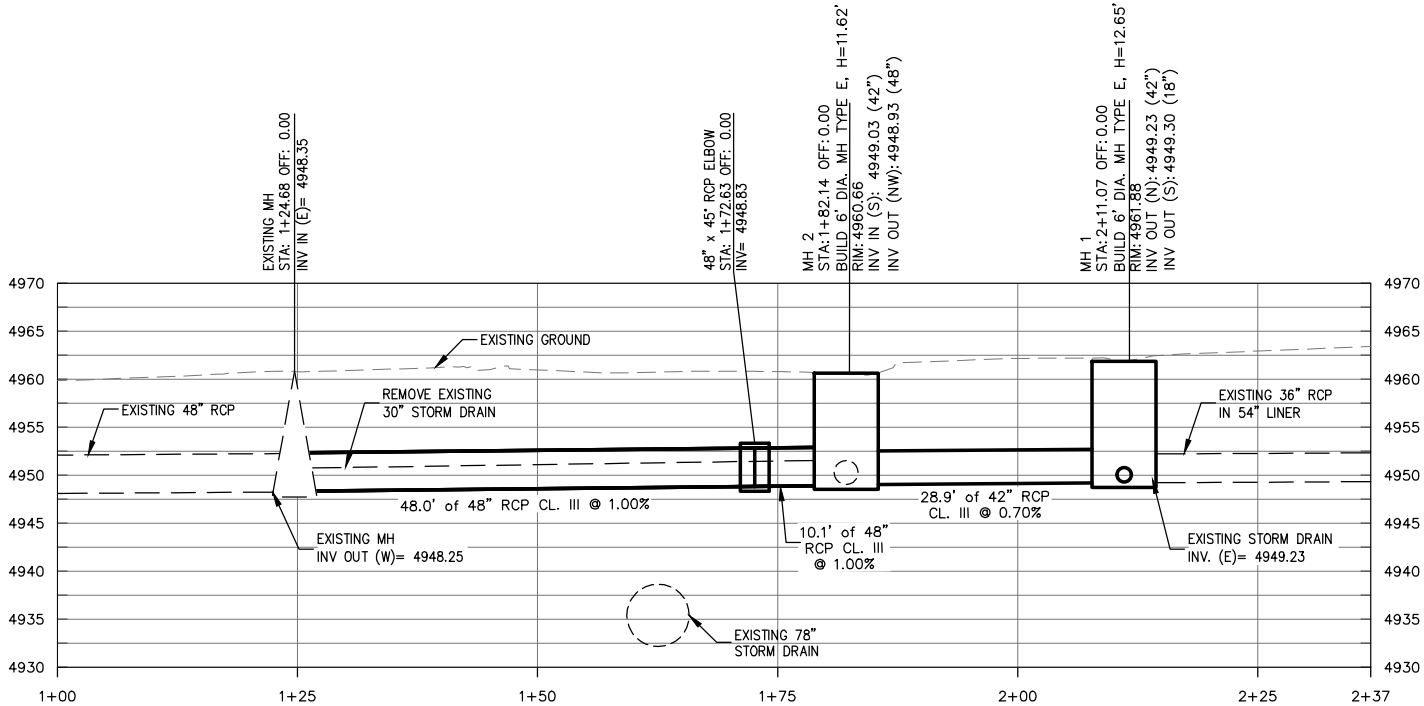
**PRELIMINARY
NOT FOR CONSTRUCTION**

DESIGNED BY: WSP/PB DATE 12/16
DRAWN BY: WSP/PB DATE 12/16
CHECKED BY: WSP/PB DATE 12/16

NM STATE PLANE COORDS. (NAD 83)
N=1486053.605
E=1521576.548
NAVD 88 ELEV. = 4963.415



Elevations are in NAVD 1988



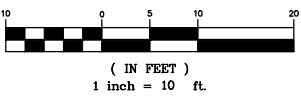
- GENERAL NOTES:**
- STATION AND OFFSET PROVIDED REFERENCE
CL. PROPOSED STORM DRAIN
 - FOR MANHOLES, SEE COA DWG. 2209
 - PIPE LENGTHS AND SLOPES ARE MEASURED
FROM THE CENTER OF MANHOLE TO THE CENTER
OF MANHOLE

LEGEND:

- r/w EXISTING R.O.W
- R/W EXISTING RAILROAD R.O.W
- EXISTING PROPERTY LINE
- EXISTING METAL FENCE
- SD EXISTING STORM DRAIN PIPE
- UGE EXISTING UNDER GRND ELECTRIC
- SAS EXISTING SANITARY SEWER LINE
- W EXISTING WATER LINE
- FO EXISTING FIBER OPTIC LINE
- G EXISTING NATURAL GAS LINE
- SD EXISTING STORM DRAIN MH
- EXISTING LIGHT
- EXISTING TREE



GRAPHIC SCALE



**PARSONS
BRINCKERHOFF**



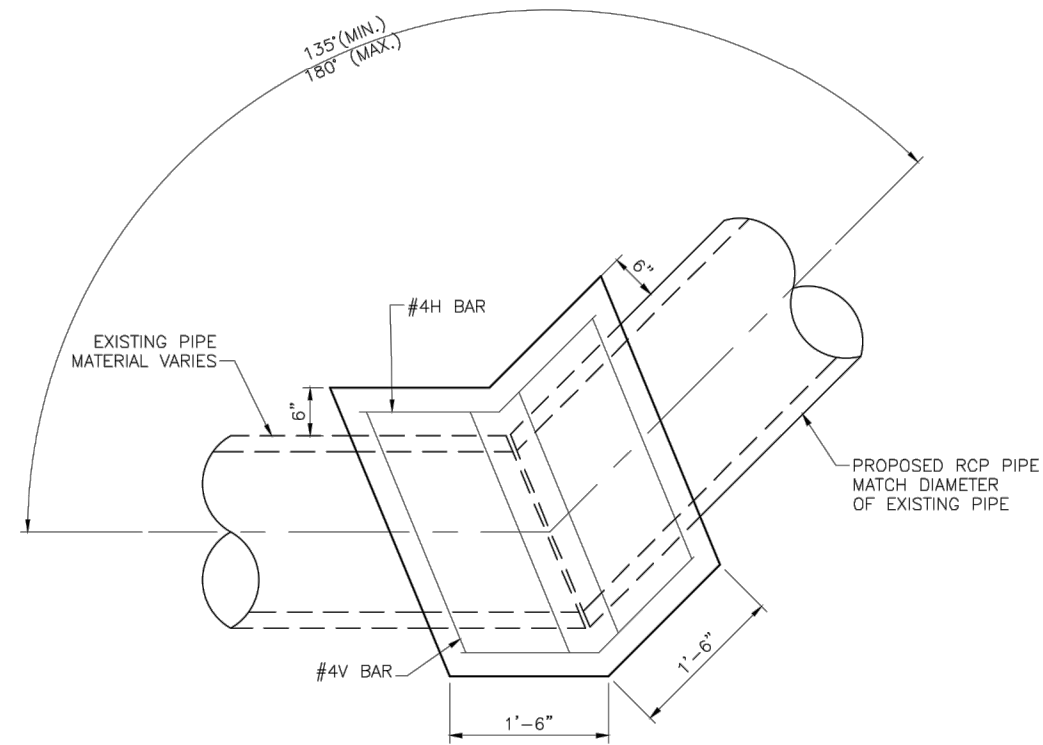
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION
ONE CENTRAL STORM DRAIN RELOCATION

STORM DRAIN PLAN AND PROFILE

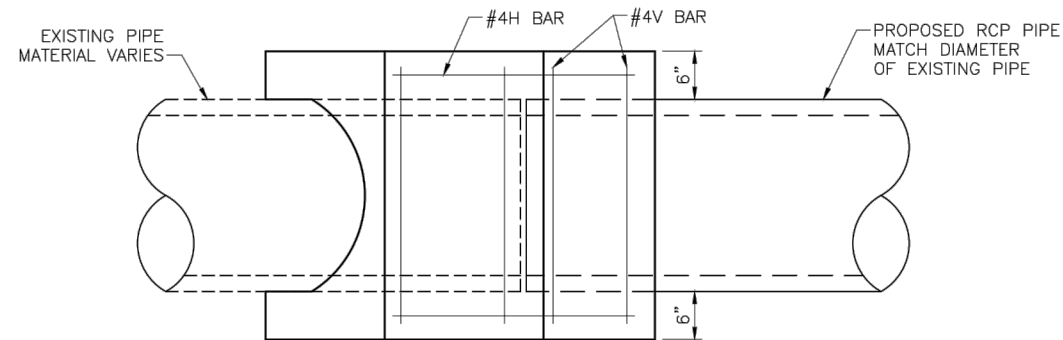
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No. COA 691881	Zone Map No. K14	Sheet 6-1
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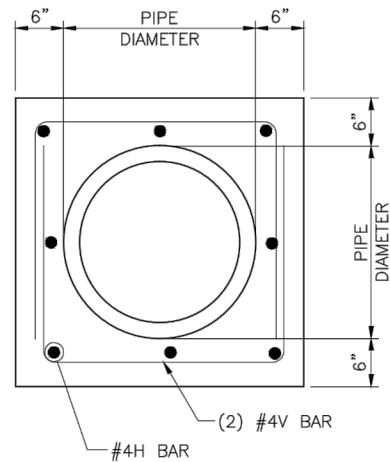
**PRELIMINARY
NOT FOR CONSTRUCTION**



PLAN VIEW



SIDE VIEW





SECTION VIEW

CONCRETE COLLAR NOTES:

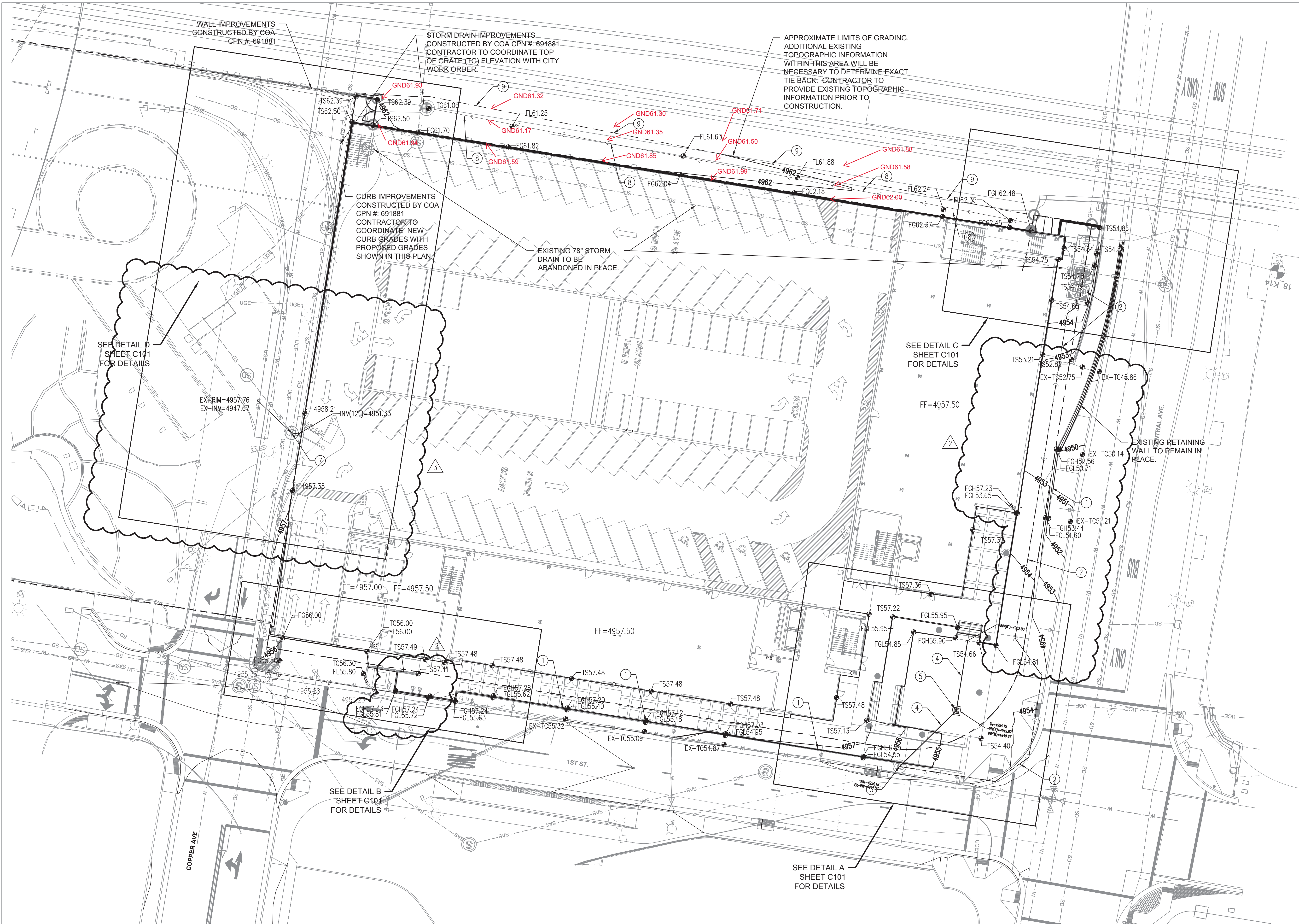
1. CONCRETE COLLARS SHALL BE USED ON ALL JOINTS AND CONNECTIONS BETWEEN EXISTING AND PROPOSED PIPES AND AS DEEMED NECESSARY BY THE ENGINEER. THE COST OF ALL LABOR, MATERIAL, AND EQUIPMENT ASSOCIATED TO CONSTRUCTION OF COLLARS SHALL BE INCIDENTAL TO CONSTRUCTION OF THE PROPOSED PIPE AND NO ADDITIONAL PAYMENT WILL BE MADE.
2. WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIAMETERS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIAMETER.
3. THE HYDRAULIC FLOW LINE SHALL ALWAYS MATCH FROM ONE PIPE TO THE OTHER. THE CONTRACTOR SHALL SEAL THE OPENINGS BETWEEN DIFFERENT SIZE AND TYPE PIPES WITH FORM WORK TO PREVEN INTRUSION OF CONCRETE INTO THE PIPE OPENING.
4. THE END OF THE EXISTING AND PROPOSE PIPES SHALL BE MITERED EQUALLY TO APPROPRIATELY MATCH PIPE ENDS.
5. ALL CONCRETE SHALL BE 3500psi MIX. SEE SECTION 101 OF THE CITY STANDARD SPECIFICATIONS FOR HYDRAULIC STRUCTURES CONCRETE.
6. ALL REINFORCING BARS SHALL CONFORM TO AASHTO STANDARD SPECIFICATIONS M GRADE 60 UNLESS OTHERWISE NOTED.

CONCRETE COLLAR DETAILS

 PARSONS BRINCKERHOFF			
 CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION			
ONE CENTRAL STORM DRAIN RELOCATION			
DRAINAGE PIPE COLLAR DETAIL			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
City Project No. COA 691881	Zone Map No. K14	Sheet 6-2	

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		NO.	BY	DATE	COA GEODETIC CONTROL STATION "18-K14"	CONTRACTOR	
					LOCATED AT THE INTERSECTION OF CENTRAL AND THE RAILROAD TRACKS. ALUMINUM CAP STAMPED "18-K-14, 1986" SET FLUSH ON TOP OF THE LOADING DOCK PLATFORM.	WSP/ST	DATE
						INSPECTOR'S ACCEPTANCE BY	DATE
						VERIFICATION BY	DATE
						DRAWINGS COURSED BY	DATE
						MICRO-FILM INFORMATION	
						RECORDED BY	DATE
						NO.	

PRELIMINARY
NOT FOR CONSTRUCTION



GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE PROJECT GEOTECHNICAL REPORT, WHERE APPLICABLE, CITY OF ALBUQUERQUE PUBLIC WORKS STANDARDS SHALL APPLY.
- THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS INCLUDING ALL UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER OR ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.
- ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
- CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
- THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION PERMITS, EPA STORM WATER PERMITS, ETC.).
- ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
- THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
- ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), US DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
- THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.
- EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
- THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.
- ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION". ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT (FIRST PRIORITY) SPECIFICATIONS, AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).
- EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
- IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.
- THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY.
- A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND HAUL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
- PAVING AND ROADWAY GRADES SHALL BE $\pm 0.1'$ FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE $\pm 0.05'$ FROM BUILDING PLAN ELEVATION.
- ALL PROPOSED CONTOURS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREA AND MUST BE ADJUSTED FOR MEDIANS AND ISLANDS.
- VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION PRIOR TO BEGINNING CONSTRUCTION.

NOTICE TO CONTRACTORS (SO 19)

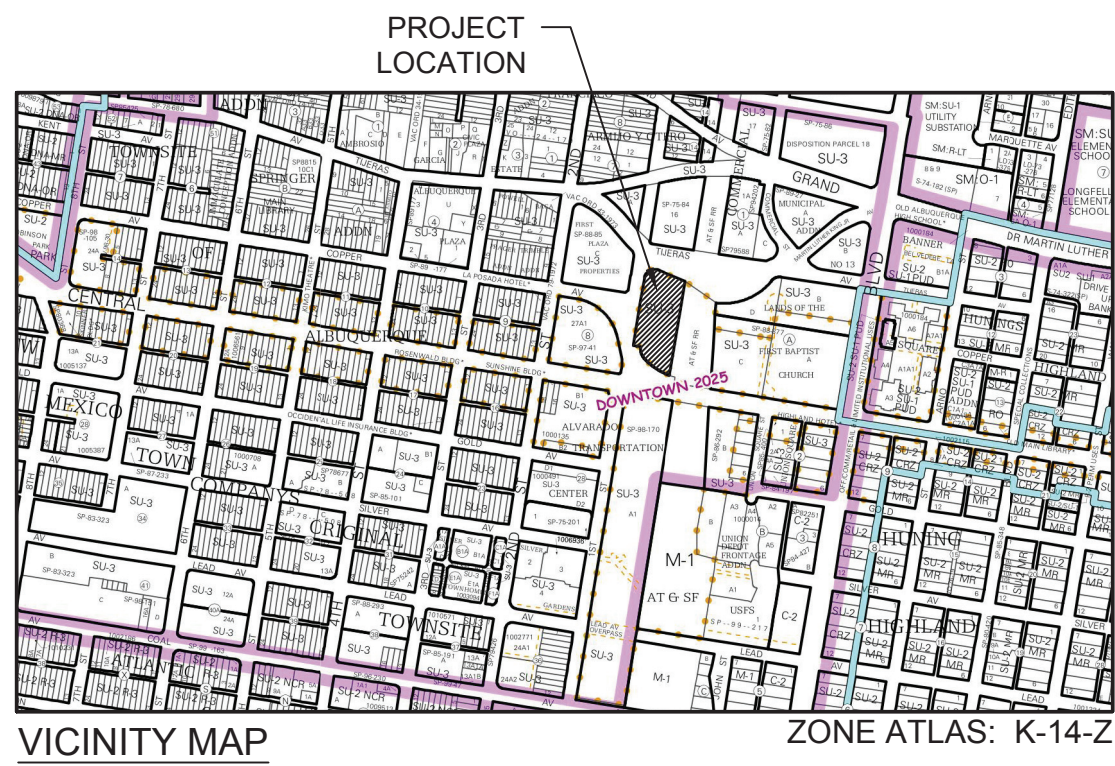
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #7 AMENDMENT 1.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
- WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

APPROVAL	NAME	DATE
INSPECTOR		

EX. GRADES ALONG CENTRAL AVE. AND 1ST STREET ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXISTING GRADES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

CONTRACTOR SHALL CONFIRM EXISTING GRADES OF ALL UTILITIES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

SIDEWALK CROSS-SLOPES SHALL BE AT A MINIMUM OF 1.0% AND A MAXIMUM OF 2.0%

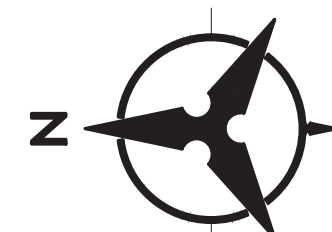


GRADING KEYNOTES

- NEW RETAINING WALL SEE STRUCTURAL PLANS FOR DETAILS.
- NEW PUMP STATION AND FORCEMAIN TO BE CONSTRUCTED BY THE CITY OF ALBUQUERQUE UNDER A SEPARATE CONTRACT. CLOSE COORDINATION WITH THE CITY OF ALBUQUERQUE CONTRACTOR WILL BE NECESSARY TO ENSURE COVER IS MAINTAINED.
- CONTRACTOR SHALL CONNECT NEW ONSITE STORM DRAIN TO EXISTING STUB. ALL WORK COMPLETED WITHIN THE RIGHT OF WAY SHALL BE CONSTRUCTED UNDER AN SO-19 PERMIT.
- INSTALL HDPE STORM DRAIN LINE (N12 WT, OR APPROVED EQUAL) SEE PLAN FOR SIZE AND SLOPE.
- INSTALL 24" NYLOPLAST AREA DRAIN WITH PEDESTRIAN RATED GRATE OR APPROVED EQUAL.
- STUB NEW STORM DRAIN TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
- CONTRACTOR SHALL CONNECT NEW BUILDING STORM DRAIN TO EXISTING MANHOLE. CONTRACTOR SHALL CORE DRILL EXISTING MANHOLE AT SPRING LINE OF EXISTING STORM DRAIN AND REWORK EXISTING MANHOLE INVERT AS NECESSARY. ALL WORK COMPLETED WITHIN THE RIGHT OF WAY SHALL BE CONSTRUCTED UNDER A SO-19 PERMIT.
- CONSTRUCT OFFSITE DRAINAGE SWALE WITHIN NMDOT ROW. CLOSE COORDINATION WITH NMDOT IS NECESSARY AND A LICENCE AGREEMENT SHOULD BE IN PLACE PRIOR TO STARTING CONSTRUCTION.
- TIE BACK TO EXISTING GRADE AT A MAXIMUM OF 3:1 SLOPES.

AS-BUILT SURVEY
I, CHRISTOPHER A. MEDINA, NMPLS NO. 15702, DO HEREBY CERTIFY THAT THE ACUTAL SURVEY WHICH IT WAS DERIVED FROM WAS PERFORMED BY ME OR UNDER BY DIRECTION SUPERVISION AND THAT THE INFORMATION SHOWN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Christopher A. Medina
CHRISTOPHER A. MEDINA, NMPLS NO. 15702
11/13/2017
DATE



20 10 0 20
1"=20'

GRADING LEGEND

---	PROPERTY LINE	---	PROPOSED CURB & GUTTER
---	PROJECT LIMITS OF GRADING	---	DIRECTION OF FLOW
---	EXISTING INDEX CONTOUR	---	WATER BLOCK/GRADE BREAK
---	EXISTING INTERMEDIATE CONTOUR	---	PROPOSED STORM DRAIN LINE
---	EXISTING GROUND SPOT ELEVATION	---	PROPOSED STORM DRAIN MANHOLE
---	PROPOSED INDEX CONTOUR	---	PROPOSED STORM DRAIN INLETS
---	PROPOSED INTERMEDIATE CONTOUR	---	PROPOSED RETAINING WALL
---	PROPOSED FLOW LINE	---	EASEMENT
---	PROPOSED FINISHED GRADE SPOT ELEVATION	---	
---	TO=TOP OF CURB, FL=FLOW LINE, TS=TOP OF SIDEWALK, TO=TOP OF GRADE, FGH=FINISH GROUND HIGH, FGL=FINISH GROUND LOW	---	

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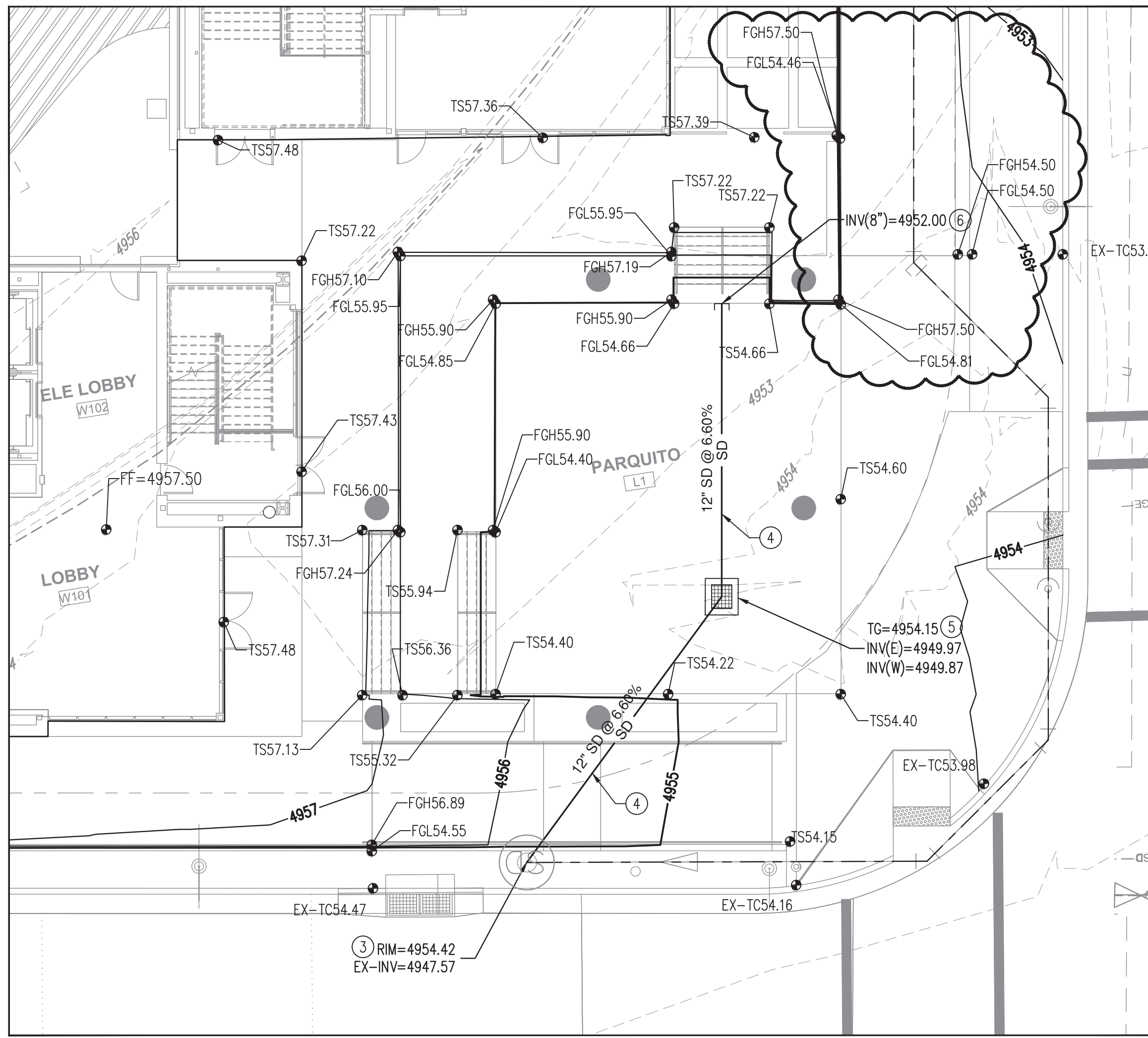
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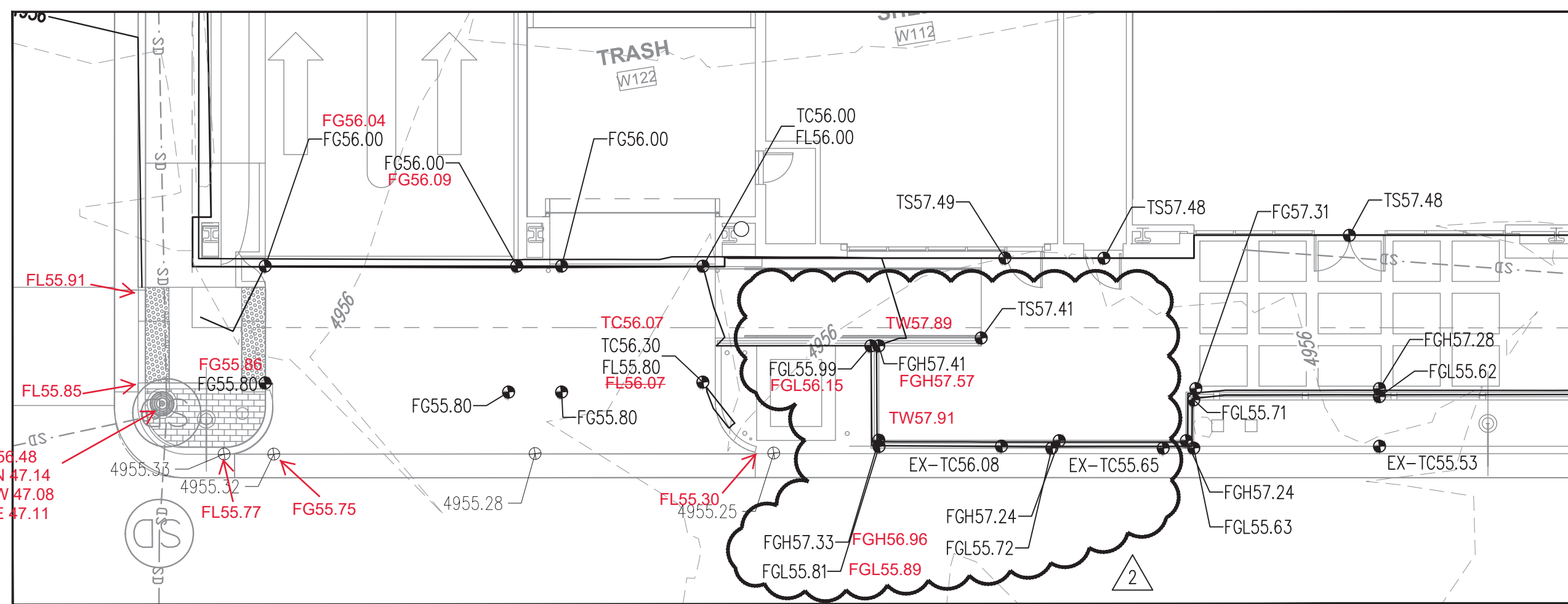
NO	DATE	DESCRIPTION
03	2017-09-06	COPPER GRADE REV.
02	2017-08-08	ASI 012
01	2017-02-03	100%
NO	DATE	DESCRIPTION
DATE:	2017-03-17	
PROJECT #:	16012	
DRAWN BY:	MHS	
CHD BY:	MJB	
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GRADING PLAN		

GRADING
PLAN

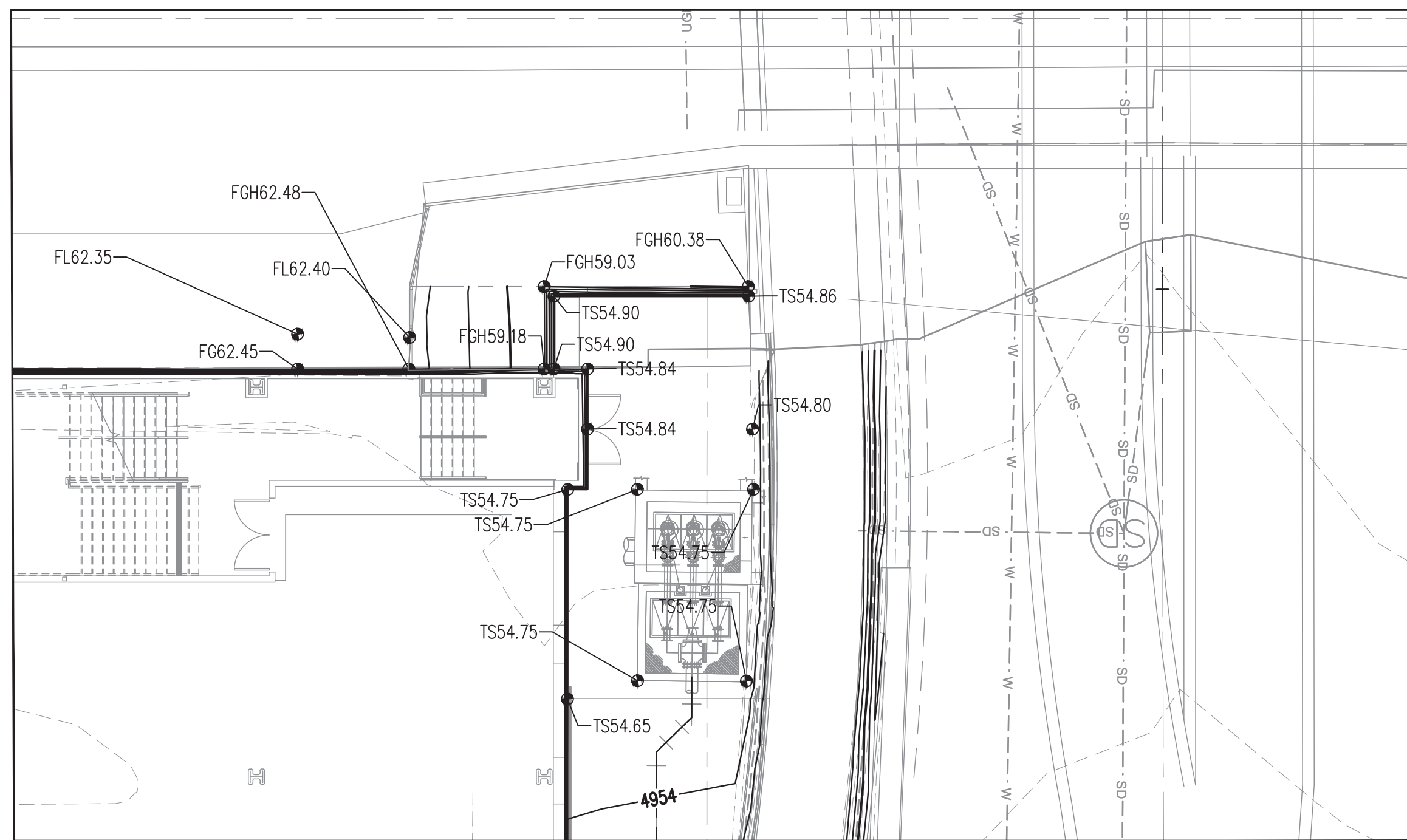
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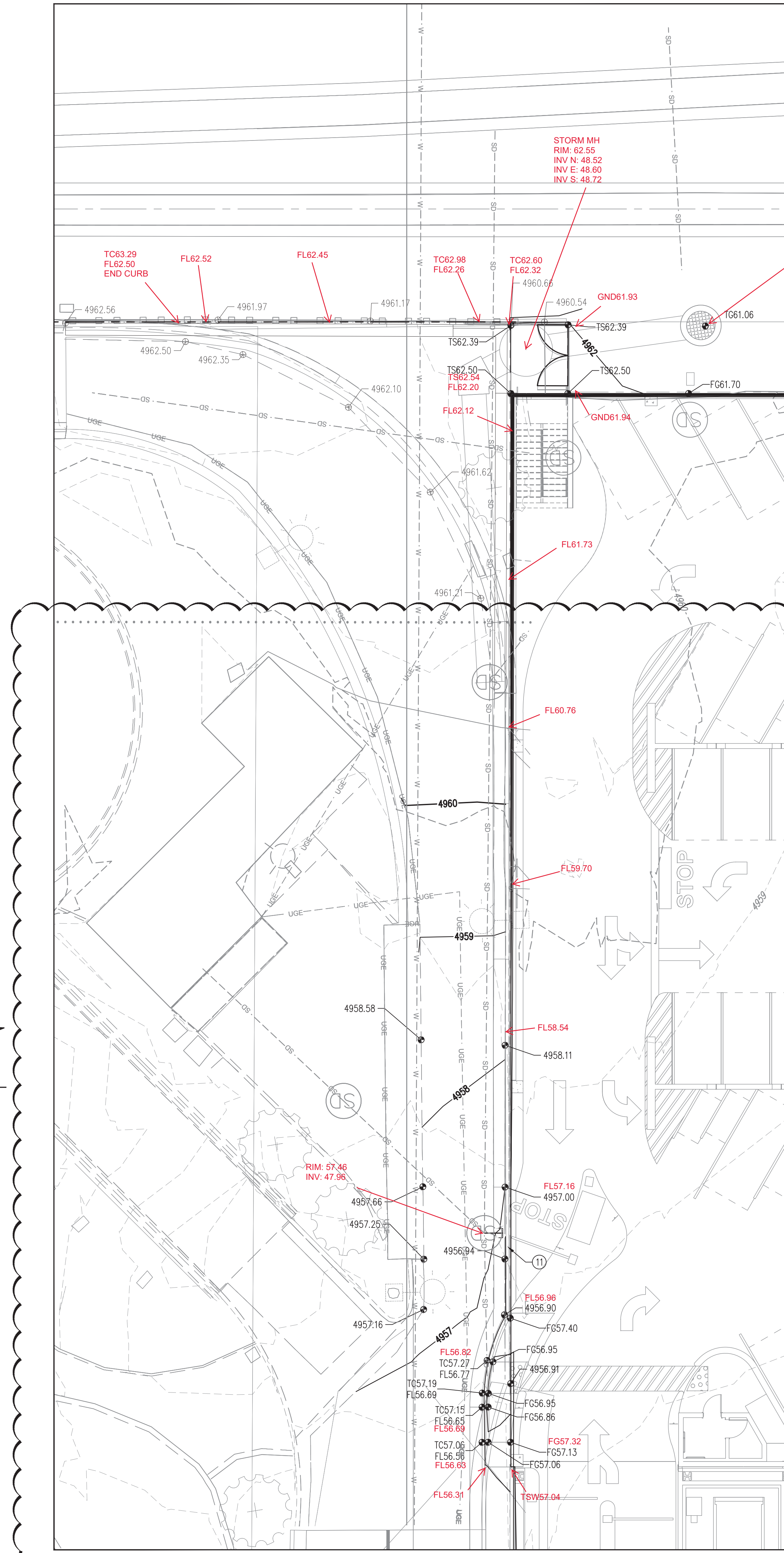
A PLAZA GRADING DETAILS
SCALE: 1"=10'



B ENTRYWAY GRADING DETAILS
SCALE: 1"=10'



C SIDEWALK/STAIRS GRADING DETAILS
SCALE: 1"=10'



D NORTHEAST CORNER GRADING DETAILS
SCALE: 1"=10'

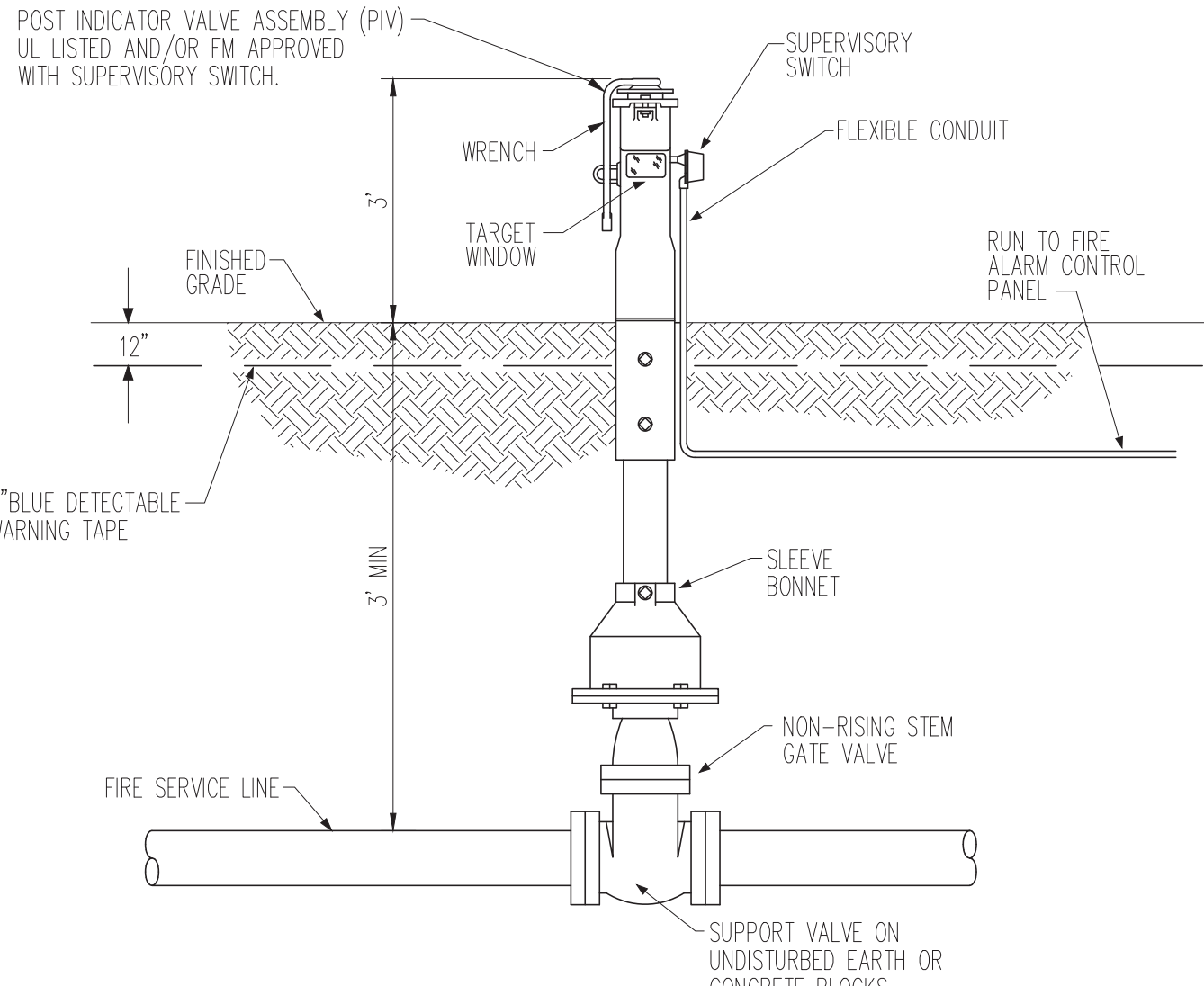
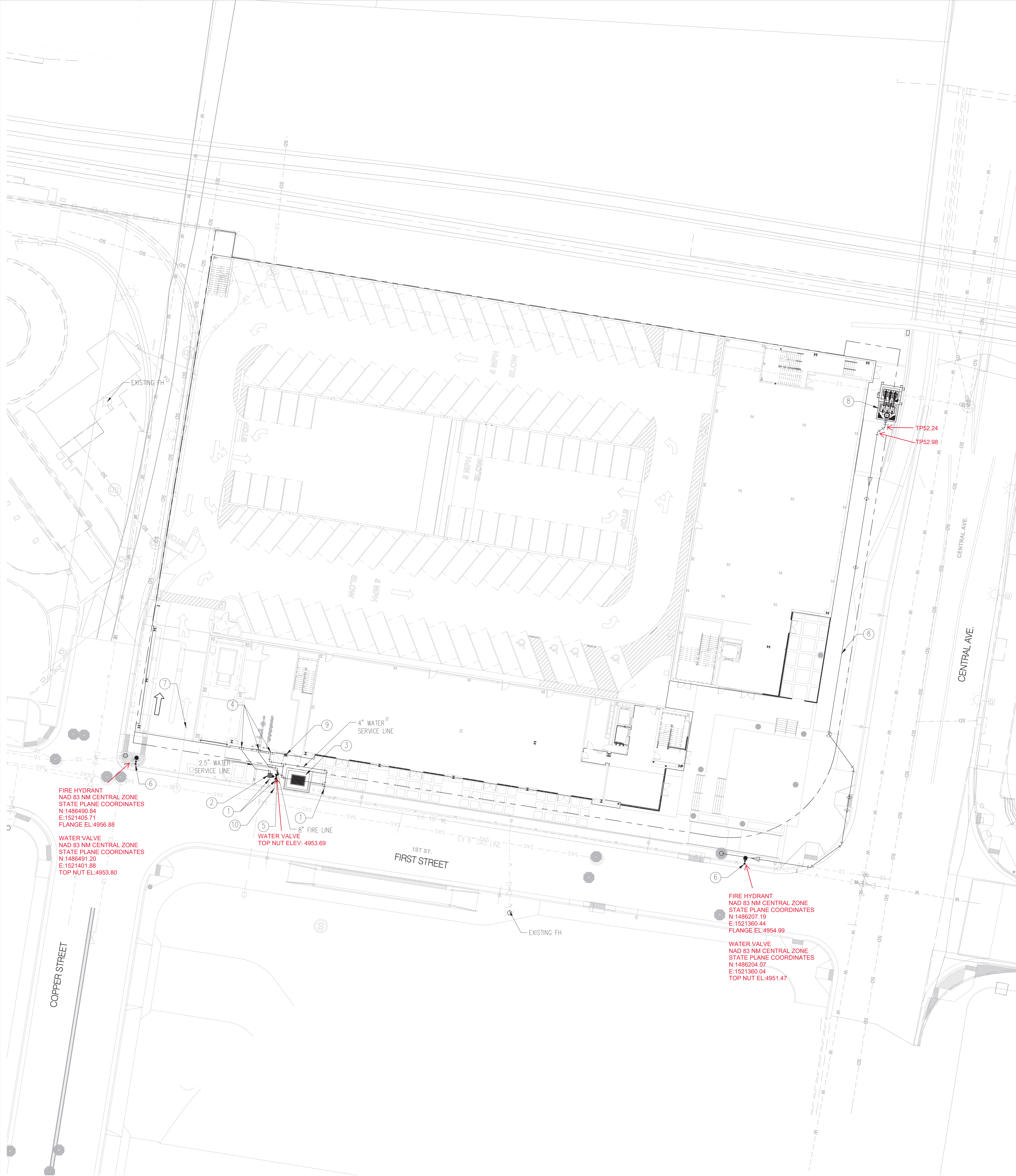
GRADING KEYNOTES

1. NEW RETAINING WALL SEE STRUCTURAL PLANS FOR DETAILS.
2. NEW PUMP STATION AND FORCEMAIN TO BE CONSTRUCTED BY THE CITY OF ALBUQUERQUE UNDER A SEPARATE CONTRACT. CLOSE COORDINATION WITH THE CITY OF ALBUQUERQUE CONTRACTOR WILL BE NECESSARY TO ENSURE COVER IS MAINTAINED.
3. CONTRACTOR SHALL CONNECT NEW ONSITE STORM DRAIN TO EXISTING STUB. ALL WORK COMPLETED WITHIN THE RIGHT OF WAY SHALL BE DONE UNDER AN SO-19 PERMIT.
4. INSTALL HDPE STORM DRAIN LINE (N12 WT. OR APPROVED EQUAL) SEE PLAN FOR SIZE AND SLOPE.
5. INSTALL 24" NYLOPLAST AREA DRAIN WITH PEDESTRIAN RATED GRATE OR APPROVED EQUAL.
6. STUB NEW STORM DRAIN TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
7. CONTRACTOR SHALL CONNECT NEW BUILDING STORM DRAIN TO EXISTING MANHOLE. CONTRACTOR SHALL CORE DRILL EXISTING MANHOLE AT SPRING LINE OF EXISTING STORM DRAIN AND REWORK EXISTING MANHOLE INVERT AS NECESSARY.
8. CONSTRUCT OFFSITE DRAINAGE SWALE WITH NMDOT ROW. CLOSE COORDINATION WITH NMDOT IS NECESSARY AND A LICENCE AGREEMENT SHOULD BE IN PLACE PRIOR TO STARTING CONSTRUCTION.
9. TIE BACK TO EXISTING GRADE AT A MAXIMUM OF 3:1 SLOPES.
10. DAYLIGHT 6" SD PIPE ONTO SIDEWALK THROUGH RETAINING WALL.
11. CONSTRUCT NEW VALLEY GUTTER AT DRIVE PAD PER COA STANDARD DRAWING 2415A ACROSS PARKING STRUCTURE EXIT.

GRADING LEGEND

—	PROPERTY LINE	—	PROPOSED CURB & GUTTER
---	PROJECT LIMITS OF GRADING	---	DIRECTION OF FLOW
---	EXISTING INDEX CONTOUR	---	WATER BLOCK/GRADE BREAK
---	EXISTING INTERMEDIATE CONTOUR	---	PROPOSED STORM DRAIN LINE
---	EXISTING GROUND SPOT ELEVATION	---	PROPOSED STORM DRAIN MANHOLE
---	PROPOSED INDEX CONTOUR	---	PROPOSED STORM DRAIN INLETS
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---	PROPOSED FLOW LINE	---	EASEMENT
---	PROPOSED FINISHED GRADE SPOT ELEVATION TO=TOP OF CURB, FL=FLOW LINE, TS=TOP OF SIDEWALK TO=TOP OF GRATE, FGH=FINISH GROUND HIGH, FGL=FINISH GROUND LOW		

03	2017-09-06	COPPER GRADE REV.
02	2017-08-08	ASI 012
01	2017-02-03	100%
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GRADING PLAN		



POST INDICATOR VALVE DETAIL
Scale: NOT TO SCALE

UTILITY KEYNOTES

- CONNECT TO EXISTING WATER LINE SERVICES CONSTRUCTED UNDER CITY OF ALBUQUERQUE (COA) PROJECT #691893
- INSTALL 2" WATER SERVICE PER COA STD. DWG. 2363
- INSTALL 3" WATER SERVICE PER COA STD. DWG. 2370
- STUB TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
- INSTALL NEW POST INDICATOR VALVE PER DETAIL THIS SHEET
- INSTALL NEW 10"x6" TEE WITH RESTRAINED JOINTS AND NEW FIRE HYDRANT COMPLETE PER COA STD. DWG. 2340
- CONNECT TO EXISTING SANITARY SEWER STUB CONSTRUCTED UNDER COA PROJECT #691893. CONTRACTOR SHALL VERIFY LOCATION AND INVERT AND NOTIFY THE ENGINEER IMMEDIATELY WITH ANY DISCREPANCIES.
- PUMP AND FORCE MAIN TO BE CONSTRUCTED BY COA. CLOSE COORDINATION WITH COA WILL BE REQUIRED.
- FIRE DEPARTMENT CONNECTION, SEE PLUMBING PLANS FOR DETAILS
- CONTRACTOR SHALL REMOVE EXISTING 6x10 TEE AND EXISTING 6" GATE VALVE. CONNECT TO EXISTING 10" WL WITH NON PRESSURE CONNECTION INSTALL 10x8x10 TEE, 1-8" GATE VALVE W/ BOX & LID PER COA STD. DWG. 2326. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING CURB & GUTTER AND ASPHALT AS NECESSARY.

* KEYED NOTES MARKED WITH ASTERISK SHALL BE CONSTRUCTED UNDER ABCWUA MINI WORK ORDER PROCESS TO BE COMPLETED BY THE CONTRACTOR.

GENERAL NOTES

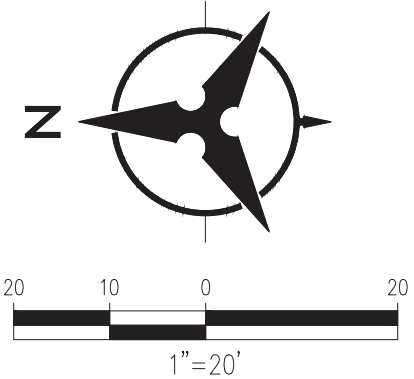
- PRIOR TO BEGINNING ANY WORK WITHIN THE CITY OF ALBUQUERQUE RIGHT-OF-WAY THE CONTRACTOR SHALL OBTAIN A WORK ORDER FROM THE ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY (ABCWUA) TO CONSTRUCT THE UTILITY SERVICE CONNECTIONS (WATER, AND FIRE) WITHIN PUBLIC RIGHT OF WAY.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO PUBLIC WORKS STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH CURRENT UPDATE.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- CONTRACTOR SHALL COORDINATE WITH THE ALBUQUERQUE BERNALILLO COUNTRY WATER UTILITY AUTHORITY (ABCWUA) FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION THREE (3) WORKING DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.

UTILITY NOTES

- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF ALL WORK RELATED TO MECHANICAL UTILITIES AS SHOWN ON THIS PLAN INCLUDING: TRENCHING, BACKFILL, SUPPORTS, CLEANOUT PADS, SERVICE STOPS AND BOXES, SERVICE LINES, TESTING, CLEANING, AND STERILIZING. ANY WORK NOT ACCEPTED BY THE ARCHITECT OR ENGINEER DUE TO IMPROPER WORKMANSHIP OR LACK OF PROPER COORDINATION SHALL BE REMOVED AND CORRECTLY INSTALLED AT THE CONTRACTOR'S EXPENSE, AS DIRECTED.
- MINIMUM DEPTHS OF COVER SHALL BE: 36" FOR WATERLINES AND 48" FOR SEWER, EXCEPT AT BUILDING CONNECTION.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED OF HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE IAPMO UNIFORM PLUMBING CODE & NFPA 24, LATEST EDITION.
- UTILITY LINES SHALL BE INSTALLED PRIOR TO PAVEMENT, CURB AND GUTTER, AND/OR SIDEWALK, AS APPLICABLE.
- ROUGH GRADING OF SITE (±0.5') SHALL BE COMPLETED PRIOR TO INSTALLATION OF UTILITY LINES.
- CONTRACTOR WILL BE RESPONSIBLE FOR CONNECTIONS TO BUILDING DRAIN LINES AND ALL NECESSARY FITTINGS.
- ALL VALVES SHALL BE ANCHORED PER COA STANDARD DWG. 2333.
- FIRE LINES SHALL USE PIPE MATERIALS UNDERWRITERS LABORATORIES LISTED AND APPROVED FOR FIRE SERVICE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WATER METER, FIRE LINE, AND SEWER HOOKUP FEES FOR INSTALLATIONS. OWNER SHALL BE RESPONSIBLE FOR UTILITY EXPANSION CHARGES, PRORATA AND OTHER SPECIAL ASSESSMENTS.
- CONTRACTOR SHALL VERIFY INVERTS AND LOCATIONS OF EXISTING WATER/SAS LINES PRIOR TO BEGINNING WORK. ALL CONFLICTS SHALL BE BROUGHT TO ATTENTION OF THE ENGINEER AND RESOLVED PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL NOTIFY THE AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION OF FIRE SERVICE LINES, AND PRIOR TO TESTING OF ALL WATERLINES. CONTRACTOR SHALL COMPLETE, SIGN, AND SUBMIT THE "CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR UNDERGROUND PIPING" IN ACCORDANCE WITH NFPA 24.

LEGEND

---	PROPERTY LINE	---	PROPOSED EASEMENT
---	EXISTING EASEMENT	SAS	PROPOSED SANITARY SEWER LINE
SWS	EXISTING SANITARY SEWER	●	PROPOSED SANITARY SEWER MANHOLE
W	EXISTING WATER LINE	●	PROPOSED CLEANOUT
□	EXISTING WATER METER	W	PROPOSED WATER LINE
~	EXISTING CAP	W	PROPOSED VALVE
~	EXISTING VALVE	FL	PROPOSED FIRE WATER LINE
W	EXISTING FIRE HYDRANT	●	PROPOSED HYDRANT
○	EXISTING SANITARY SEWER MANHOLE	~	PROPOSED CAP
⊙	EXISTING STORM DRAIN MANHOLE	■	PROPOSED WATER METER
⊖	EXISTING INLET	▲	PROPOSED PIV
		W	REMOTE FIRE DEPARTMENT CONNECTION



01	2017-02-03	100%
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UTILITY PLAN

UTILITY PLAN