

CONSTRUCTION PLANS FOR MOON STREET STORM DRAIN (PHASE 1) (AMDS No. 203-01A) ALBUQUERQUE, NEW MEXICO INDEX

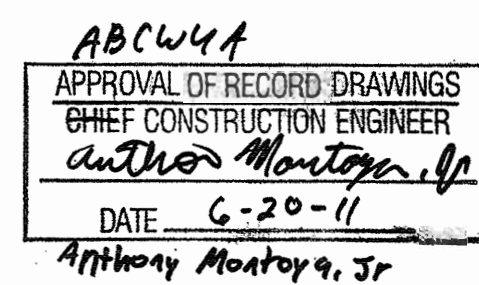
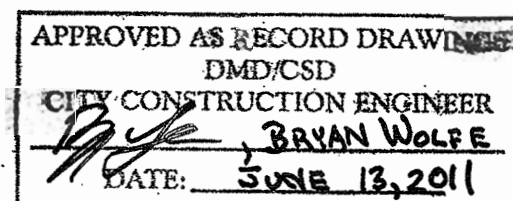
SHEET NUMBER

DESCRIPTION

1	COVER SHEET
2	SITE AND CONTROL PLAN AND WATER SHUT-OFF PLAN
3	PLAN AND PROFILE STA. 1+00 TO STA. 5+60
4	PLAN AND PROFILE STA. 5+60 TO STA. 10+20
5	PLAN AND PROFILE STA. 10+20 TO STA. 14+80
6	PLAN AND PROFILE STA. 14+80 TO STA. 19+40
7	PLAN AND PROFILE STA. 19+40 TO STA. 24+00
8	PLAN AND PROFILE STA. 24+00 TO STA. 28+40
9	PLAN AND PROFILE STA. 28+40 TO STA. 33+00
10	PLAN AND PROFILE STA. 33+00 TO STA. 37+40
11	PLAN AND PROFILE STA. 37+40 TO STA. 40+40
12	PLAN AND PROFILE DOMINGO RD. STA. 1+00 TO 5+60
13	PLAN AND PROFILE DOMINGO RD. STA. 5+60 TO 10+00
14	MISCELLANEOUS DETAILS (1)
15	MISCELLANEOUS DETAILS (2)
16	STRUCTURAL SECTIONS AND DETAILS (1)
17	STRUCTURAL SECTIONS AND DETAILS (2)

I, THE UNDERSIGNED, A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE INDICATED RECORD DRAWINGS ARE BASED UPON INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR IN THE FORM OF RED-LINED CONSTRUCTION DRAWING MARKUPS TO THE ORIGINAL DESIGN DRAWINGS. THE TRANSFER OF INFORMATION HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. HOWEVER, I HAVE NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THE INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR AND SHALL NOT BE RESPONSIBLE FOR ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS. ALL INFORMATION INCLUDING VERTICAL AND HORIZONTAL DIMENSIONS SHOULD BE FIELD VERIFIED PRIOR TO USE ON FUTURE PROJECTS.

NAME Anthony Montoya, Jr. DATE 5/12/11



UTILITY COMPANY CONTACTS		
Name	Phones	Business
MUSINSKI, NANCY	(505) 768-2729	ALBUQUERQUE/BERNALILLO COUNTY WATER UTILITY AUTHORITY
DUNLOP, JOE	(505) 697-3156	NEW MEXICO GAS COMPANY
BATES, STEVE	(505) 898-2661 EXT. 48	NEW MEXICO UTILITIES
KOZLOWSKI, ANTHONY	(505) 241-3637	PNM ELECTRIC, EAST ALBUQUERQUE
BROWN, JOHN	(505) 314-0890	BCG ASSETS
STOCKTON, DAVID	(303) 620-2254	AT&T
DARNELL, ANDY	(505) 346-4470	VERIZON
HARRISON, ROYAL	(505) 938-7339	TIME WARNER TELECOM
JARAMILLO, RITA	(505) 245-8352	QWEST
KELLY, LARRY	(505) 246-0501	QWEST LONG DISTANCE
MORTUS, MIKE	(505) 761-6252	COMCAST
MUELLER, RICK	(505) 217-0038	MCLEOD USA

GENERAL NOTES:

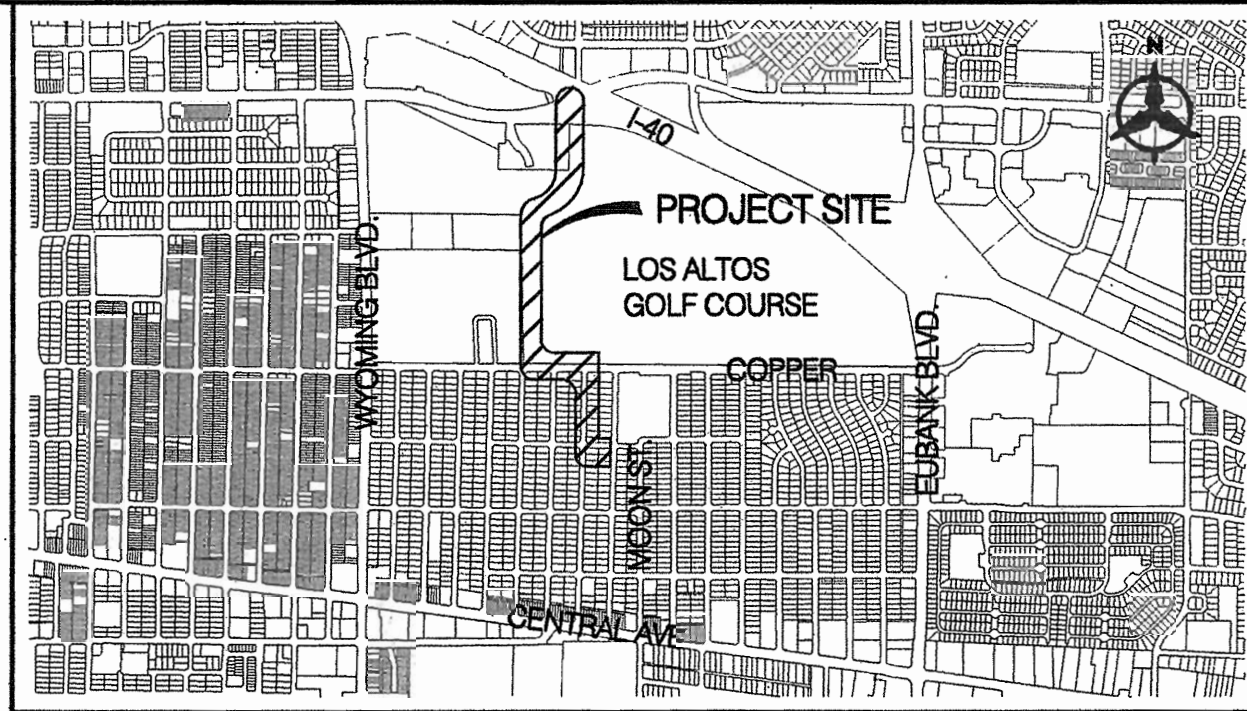
- THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR CONSTRUCTION OBSERVER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 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.
- DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERE TO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE 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 IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
- 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, SURFACE DISTURBANCE)
- THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
- ALL PERMANENT PAVEMENT MARKING AND TRAFFIC SIGNING SHALL BE FURNISHED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL FOLLOW THE CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN SUBMITTED AND APPROVED PER SECTION 19.2 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE WITH 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 OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. 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.
- ALL SAWCUT PAVEMENT SHALL HAVE A UNIFORM EDGE AND BE SPRAYED WITH TACK.
- WHEN ABUTTING NEW CURB AND GUTTER TO EXISTING PAVEMENT, A 1' WIDE SECTION OF EXISTING PAVEMENT ADJACENT TO THE CURB AND GUTTER SHALL BE SAWCUT, REMOVED, AND REPLACED AS PER THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB & GUTTER, DRIVE PADS, WHEELCHAIR RAMPS, AND SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER COA STANDARDS, AT HIS OWN EXPENSE.
- FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUDED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUDED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- PAVEMENT DROP-OFFS DURING CONSTRUCTION. THE CONTRACTOR IS TO PROVIDE AND MAINTAIN TEMPORARY TRANSITIONS DURING THE DURATION OF THE PROJECT.

- COMPLY WITH OSHA CFR 1926.650 SUBPART P AS A MINIMUM ACCEPTABLE STANDARD.
- THE CONTRACTOR SHALL NOTIFY THE ALBUQUERQUE TRAFFIC CONTROL ENGINEER DIVISION THREE (3) WORK DAYS IN ADVANCE OF ANY WORK THAT REMOVES, RELOCATES OR REINSTALLS ANY EXISTING REGULATORY SIGNS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY.
- ALL UTILITIES THAT ARE LOCATED UNDER ANY ROADWAY OR FUTURE ROADWAY SHALL BE BACKFILLED TO 95% COMPACTION FOR THE ENTIRE DEPTH OF THE TRENCH. THIS INCLUDES ALL SANITARY SEWER LINES, WATER LINES, STORM DRAIN LINES, DRY UTILITY SLEEVES AND TRAFFIC SIGNAL/STREET LIGHT CONDUITS.
- CONTRACTOR SHALL CONFORM WITH CURRENT COA SPEC. CONCERNING ADJUSTING MANHOLES AND VALVES TO THE PROPOSED GRADES. NEW EMD SHALL BE INSTALLED AT ADJUSTED VALVE. **AND MAN HOLES**

Bohannon & Huston

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VICINITY MAP ZONE MAP NO. K-20

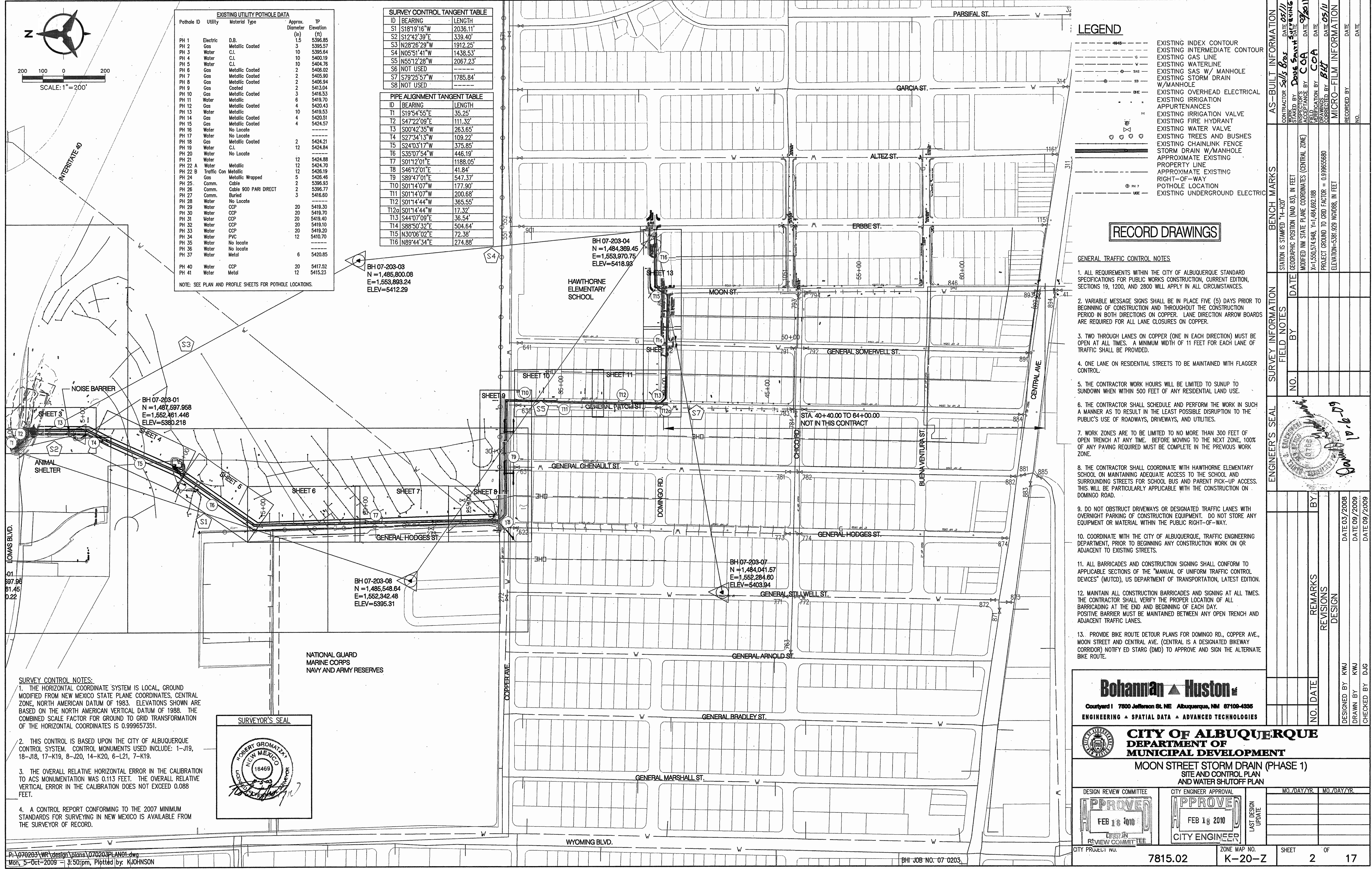
NOTICE TO CONTRACTORS

- 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 UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH AMENDMENT 1 TO UPDATE No.7.
- 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 OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT, TO THE CONSTRUCTION COORDINATION DIVISION, A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY CONSTRUCTION COORDINATION ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED W/ PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- CONTRACTOR SHALL COORDINATE WITH THE ALBUQUERQUE/BERNALILLO COUNTY WATER UTILITY AUTHORITY (857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY ABCWA PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION SEVEN (7) DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
- CONTRACTOR SHALL COORDINATE WITH LOS ALTOS GOLF COURSE PRIOR TO CONSTRUCTION WITHIN THE LIMITS OF THE COURSE. CONTACT DAVE SALAS (291-6284)

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☒ IF CURB IS DEEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC Chairman	<u>S. Woodall</u>	<u>2/19/10</u>	APPROVED FOR CONSTRUCTION CITY ENGINEER DATE		
		Transportation	<u>[Signature]</u>	<u>10/2/09</u>			
		Water/Wastewater	<u>[Signature]</u>	<u>10-12-09</u>			
		Hydrology	<u>[Signature]</u>	<u>10/12/09</u>			
		Parks	<u>[Signature]</u>				
Const. Mngmt.							
Const. Coord.							
NMUI							
DRB CASE NUMBER	XX	CITY PROJECT NO.	7815.02	SHEET	1	OF	17



EXISTING UTILITY POT HOLE DATA					
Pothole ID	Utility	Material Type	Approx. Diameter (in)	TP Elevation (ft)	
PH 1	Electric	D.B.	1.5	5396.85	
PH 2	Gas	Metallic Coated	3	5395.57	
PH 3	Water	C.I.	10	5395.64	
PH 4	Water	C.I.	10	5400.19	
PH 5	Water	C.I.	10	5404.76	
PH 6	Gas	Metallic Coated	2	5406.02	
PH 7	Gas	Metallic Coated	2	5405.90	
PH 8	Gas	Metallic Coated	2	5405.94	
PH 9	Gas	Coated	2	5413.04	
PH 10	Gas	Metallic Coated	3	5416.53	
PH 11	Water	Metallic	6	5419.70	
PH 12	Gas	Metallic Coated	4	5420.43	
PH 13	Water	Metallic	4	5419.53	
PH 14	Gas	Metallic Coated	4	5420.51	
PH 15	Gas	Metallic Coated	4	5424.57	
PH 16	Water	No Locate	---	---	
PH 17	Water	No Locate	---	---	
PH 18	Water	Metallic Coated	2	5424.21	
PH 19	Water	C.I.	12	5424.84	
PH 20	Water	No Locate	---	---	
PH 21	Water	---	12	5424.88	
PH 22 A	Water	Metallic	12	5424.70	
PH 22 B	Traffic Con	Metallic	12	5426.19	
PH 24	Gas	Metallic Wrapped	5	5426.46	
PH 25	Comm.	Cable	2	5396.93	
PH 26	Comm.	Cable 900 PARI DIRECT	2	5396.77	
PH 27	Comm.	Buried	3	5416.60	
PH 28	Water	No Locate	---	---	
PH 29	Water	CCP	20	5419.30	
PH 30	Water	CCP	20	5419.70	
PH 31	Water	CCP	20	5419.40	
PH 32	Water	CCP	20	5419.10	
PH 33	Water	CCP	20	5419.20	
PH 34	Water	PVC	12	5410.70	
PH 35	Water	No locate	---	---	
PH 36	Water	No locate	---	---	
PH 37	Water	Met	6	5420.85	
PH 40	Water	CCP	20	5417.52	
PH 41	Water	Met	12	5415.23	

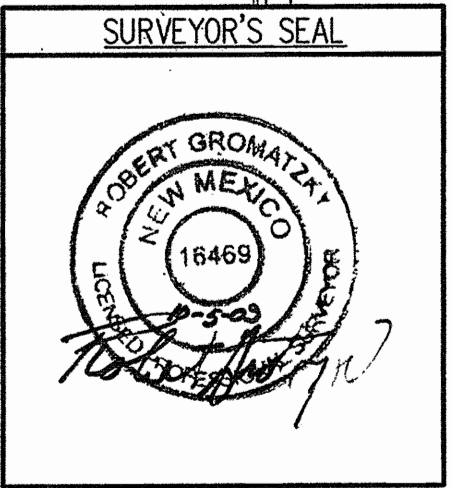
SURVEY CONTROL TANGENT TABLE		
ID	BEARING	LENGTH
S1	S181°19'16"W	2036.11'
S2	S12°42'39"E	339.40'
S3	N28°26'29"W	1912.25'
S4	N05°51'41"W	1438.53'
S5	N55°12'28"W	2067.23'
S6	NOT USED	---
S7	S79°25'57"W	1785.84'
S8	NOT USED	---

PIPE ALIGNMENT TANGENT TABLE		
ID	BEARING	LENGTH
T1	S19°54'55"E	35.25'
T2	S47°22'09"E	111.32'
T3	S00°42'35"W	263.65'
T4	S27°34'13"W	109.22'
T5	S24°03'17"W	375.85'
T6	S35°07'54"W	446.19'
T7	S01°12'01"E	1188.05'
T8	S46°12'01"E	41.84'
T9	S89°47'01"E	547.37'
T10	S01°14'07"W	177.90'
T11	S01°14'07"W	200.68'
T12	S01°14'44"W	365.55'
T12a	S01°14'44"W	17.32'
T13	S44°07'09"E	36.54'
T14	S88°50'32"E	504.64'
T15	N30°06'02"E	72.38'
T16	N89°44'34"E	274.88'

- LEGEND**
- EXISTING INDEX CONTOUR
 - EXISTING INTERMEDIATE CONTOUR
 - EXISTING GAS LINE
 - EXISTING WATERLINE
 - EXISTING SAS W/ MANHOLE
 - EXISTING STORM DRAIN
 - EXISTING OVERHEAD ELECTRICAL
 - EXISTING IRRIGATION APPURTENANCES
 - EXISTING FIRE HYDRANT
 - EXISTING WATER VALVE
 - EXISTING TREES AND BUSHES
 - EXISTING CHAINLINK FENCE
 - STORM DRAIN W/MANHOLE
 - APPROXIMATE EXISTING PROPERTY LINE
 - APPROXIMATE EXISTING RIGHT-OF-WAY
 - POT HOLE LOCATION
 - EXISTING UNDERGROUND ELECTRIC

- RECORD DRAWINGS**
- GENERAL TRAFFIC CONTROL NOTES**
- ALL REQUIREMENTS WITHIN THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION, SECTIONS 19, 1200, AND 2800 WILL APPLY IN ALL CIRCUMSTANCES.
 - VARIABLE MESSAGE SIGNS SHALL BE IN PLACE FIVE (5) DAYS PRIOR TO BEGINNING OF CONSTRUCTION AND THROUGHOUT THE CONSTRUCTION PERIOD IN BOTH DIRECTIONS ON COPPER. LANE DIRECTION ARROW BOARDS ARE REQUIRED FOR ALL LANE CLOSURES ON COPPER.
 - TWO THROUGH LANES ON COPPER (ONE IN EACH DIRECTION) MUST BE OPEN AT ALL TIMES. A MINIMUM WIDTH OF 11 FEET FOR EACH LANE OF TRAFFIC SHALL BE PROVIDED.
 - ONE LANE ON RESIDENTIAL STREETS TO BE MAINTAINED WITH FLAGGER CONTROL.
 - THE CONTRACTOR WORK HOURS WILL BE LIMITED TO SUNUP TO SUNDOWN WHEN WITHIN 500 FEET OF ANY RESIDENTIAL LAND USE.
 - THE CONTRACTOR SHALL SCHEDULE AND PERFORM THE WORK IN SUCH A MANNER AS TO RESULT IN THE LEAST POSSIBLE DISRUPTION TO THE PUBLIC'S USE OF ROADWAYS, DRIVEWAYS, AND UTILITIES.
 - WORK ZONES ARE TO BE LIMITED TO NO MORE THAN 300 FEET OF OPEN TRENCH AT ANY TIME. BEFORE MOVING TO THE NEXT ZONE, 100% OF ANY PAVING REQUIRED MUST BE COMPLETE IN THE PREVIOUS WORK ZONE.
 - THE CONTRACTOR SHALL COORDINATE WITH HAWTHORNE ELEMENTARY SCHOOL ON MAINTAINING ADEQUATE ACCESS TO THE SCHOOL AND SURROUNDING STREETS FOR SCHOOL BUS AND PARENT PICK-UP ACCESS. THIS WILL BE PARTICULARLY APPLICABLE WITH THE CONSTRUCTION ON DOMINGO ROAD.
 - DO NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES WITH OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT. DO NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
 - COORDINATE WITH 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 OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), US DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
 - MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADES AT THE END AND BEGINNING OF EACH DAY. POSITIVE BARRIER MUST BE MAINTAINED BETWEEN ANY OPEN TRENCH AND ADJACENT TRAFFIC LANES.
 - PROVIDE BIKE ROUTE DETOUR PLANS FOR DOMINGO RD., COPPER AVE., MOON STREET AND CENTRAL AVE. (CENTRAL IS A DESIGNATED BIKEWAY CORRIDOR) NOTIFY ED STARG (DMD) TO APPROVE AND SIGN THE ALTERNATE BIKE ROUTE.

- SURVEY CONTROL NOTES:**
- THE HORIZONTAL COORDINATE SYSTEM IS LOCAL, GROUND MODIFIED FROM NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE, NORTH AMERICAN DATUM OF 1983. ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988. THE COMBINED SCALE FACTOR FOR GROUND TO GRID TRANSFORMATION OF THE HORIZONTAL COORDINATES IS 0.999657351.
 - THIS CONTROL IS BASED UPON THE CITY OF ALBUQUERQUE CONTROL SYSTEM. CONTROL MONUMENTS USED INCLUDE: 1-J19, 18-J18, 17-K19, 8-J20, 14-K20, 6-L21, 7-K19.
 - THE OVERALL RELATIVE HORIZONTAL ERROR IN THE CALIBRATION TO ACS MONUMENTATION WAS 0.113 FEET. THE OVERALL RELATIVE VERTICAL ERROR IN THE CALIBRATION DOES NOT EXCEED 0.088 FEET.
 - A CONTROL REPORT CONFORMING TO THE 2007 MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO IS AVAILABLE FROM THE SURVEYOR OF RECORD.



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ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE

DEPARTMENT OF MUNICIPAL DEVELOPMENT

MOON STREET STORM DRAIN (PHASE 1)

SITE AND CONTROL PLAN

AND WATER SHUTOFF PLAN

DESIGN REVIEW COMMITTEE

APPROVED

FEB 18 2010

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

APPROVED

FEB 18 2010

CITY ENGINEER

NO. / DAY / YR.

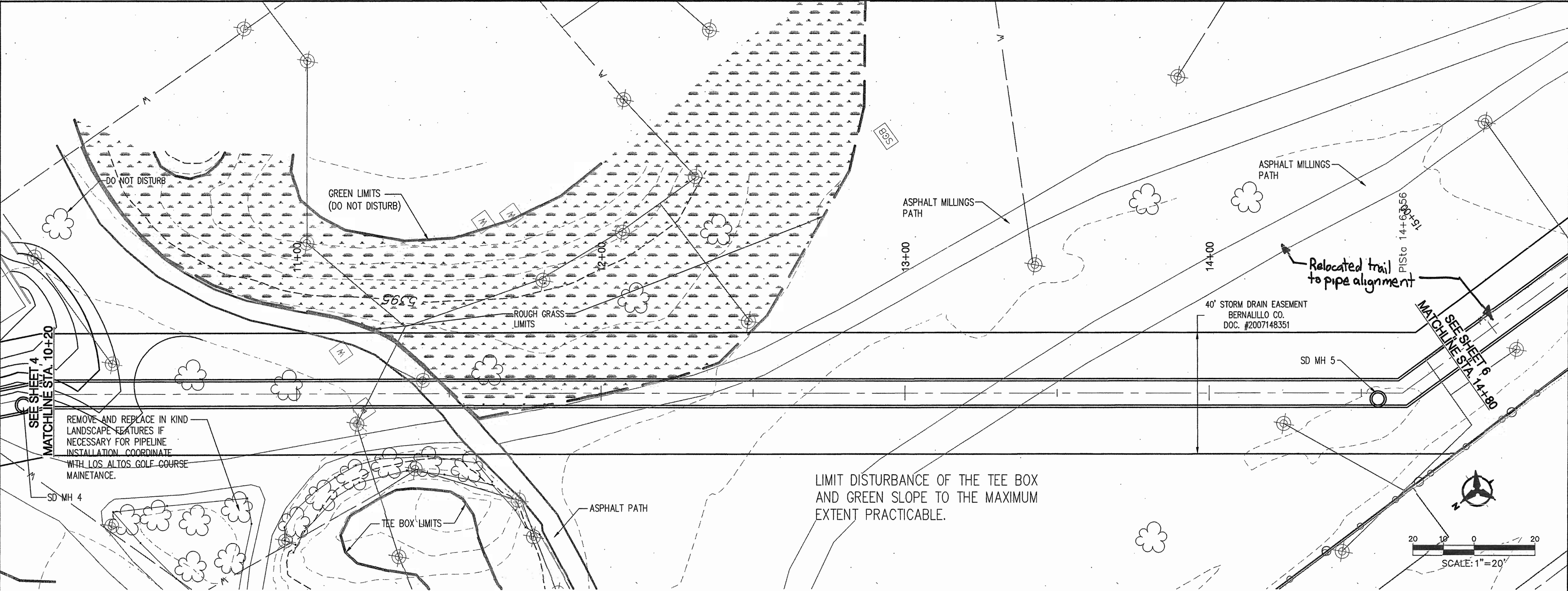
MO. / DAY / YR.

LAST DESIGN UPDATE

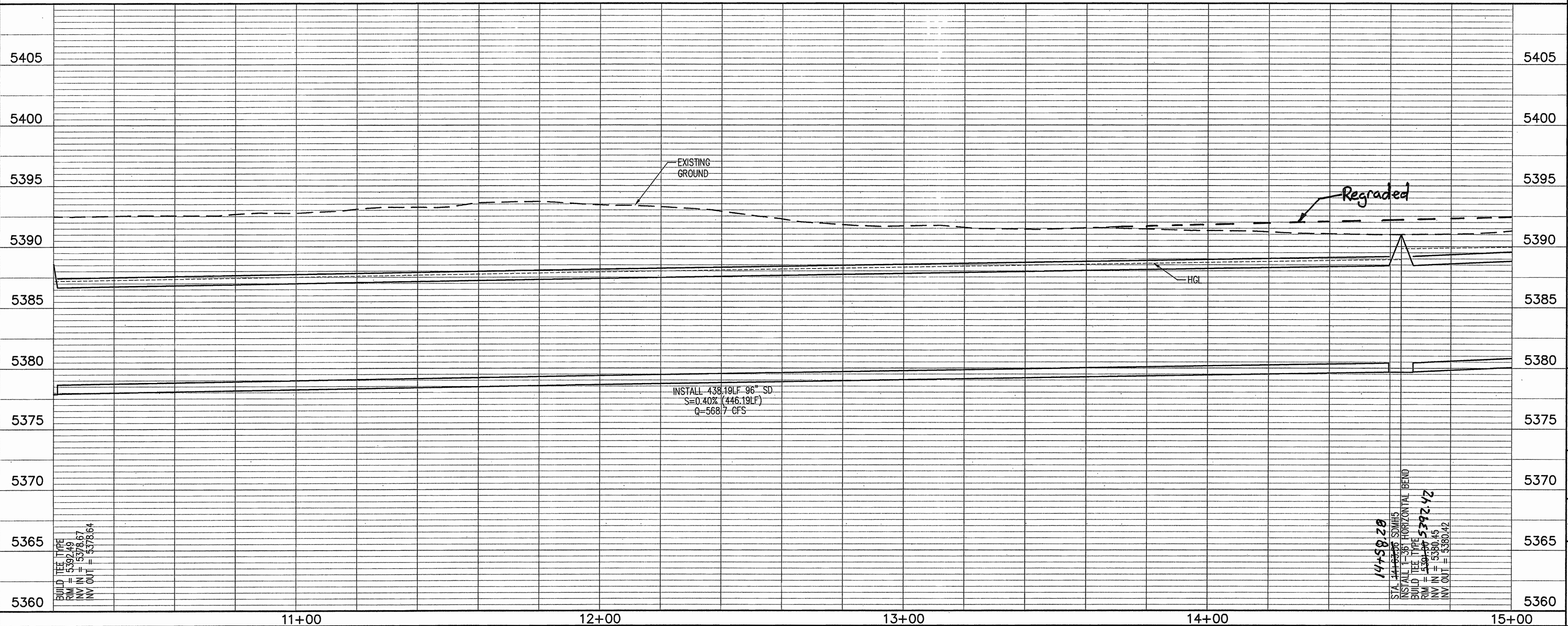
CITY PROJECT NO. 7815.02

ZONE MAP NO. K-20-Z

SHEET 2 OF 17



LOS ALTOS GOLF COURSE



CONSTRUCTION NOTES

- EXISTING IRRIGATION LINES & APPURTANCES AFFECTED DURING CONSTRUCTION MUST BE REPLACED OR RELOCATED IN COORDINATION WITH LOS ALTOS GOLF COURSE MAINTENANCE.
- CONSTRUCT ALL "T" TYPE MH'S ACCORDING TO DETAIL AT LOCATIONS OF VERTICAL OR HORIZONTAL BENDS WHERE "T" TYPE MH'S ARE NOTED IN THE PLANS, CONSTRUCT THE MH IMMEDIATELY DOWNSTREAM OF THE PRECAST BEND. THE STATION CALLOUT FOR SUCH MH'S IN PROFILE VIEW REFERS TO THE STATION OF THE HORIZONTAL OR VERTICAL BEND.
- ANY ASPHALT OR ASPHALT MILLINGS PATH ON THE GOLF COURSE DAMAGED DURING CONSTRUCTION MUST BE REPLACED IN KIND.
- GRASS WITHIN FAIRWAY LIMITS DISTURBED OR REMOVED DURING CONSTRUCTION MUST BE REPLACED WITH MACINTOSH RYE/BLUE GRASS SOD OR EQUIVALENT. CONTRACTOR TO COORDINATE THE REPLACEMENT OF GRASS WITH GOLF COURSE MAINTENANCE.
- GRASS WITHIN THE ROUGH GRASS LIMITS DISTURBED OR REMOVED DURING CONSTRUCTION MUST BE RE-SEED WITH ANDERSON SPORTS MIX OR EQUIVALENT.
- GREEN LIMITS ARE NOT TO BE DAMAGED DURING CONSTRUCTION. IF DAMAGE OCCURS THE GRASS WITHIN THE GREEN LIMITS MUST BE REPLACED. COORDINATE WITH LOS ALTOS GOLF COURSE MAINTENANCE AS TO HOW TO REPLACE.
- CONTRACTOR TO REPLACE ALL LANDSCAPING AFFECTED BY CONSTRUCTION IN KIND.
- EXISTING IRRIGATION LINE AND APPURTANCE LOCATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY ALL IRRIGATION LINES IN PROJECT AREA. ONLY MAJOR LINES NOTED IN PLANS.
- EXISTING POTHOLE DATA CAN BE FOUND ON SHEET 2
- THE CONTRACTOR IS TO MAINTAIN ACCESS TO PEDESTRIANS AND GOLF COURSE MAINTAIN VEHICLES. FOR THE DURATION OF CONSTRUCTION FROM STA. 6+50 TO STA. 14+00 THE CONTRACTOR IS TO COORDINATE WITH GOLF COURSE MAINTENANCE TO MAINTAIN ACCESS.
- ALL STORM DRAIN BENDS, REDUCERS, WYES, ETC. SHALL BE PRE-CAST.
- ALL STORM DRAIN PIPE & FITTINGS ARE CLASS III RCP OR DUROMAXX OR APPROVED EQUAL.

RECORD DRAWINGS

LEGEND

ROUGH GRASS

Bohannon & Huston

Courtyard | 7800 Jefferson St. NE Albuquerque, NM 87109-4395
ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT

MOON STREET STORM DRAIN (PHASE 1)
PLAN AND PROFILE
STA. 10+20 TO STA. 14+80

DESIGN REVIEW COMMITTEE
APPROVED
FEB 18 2010

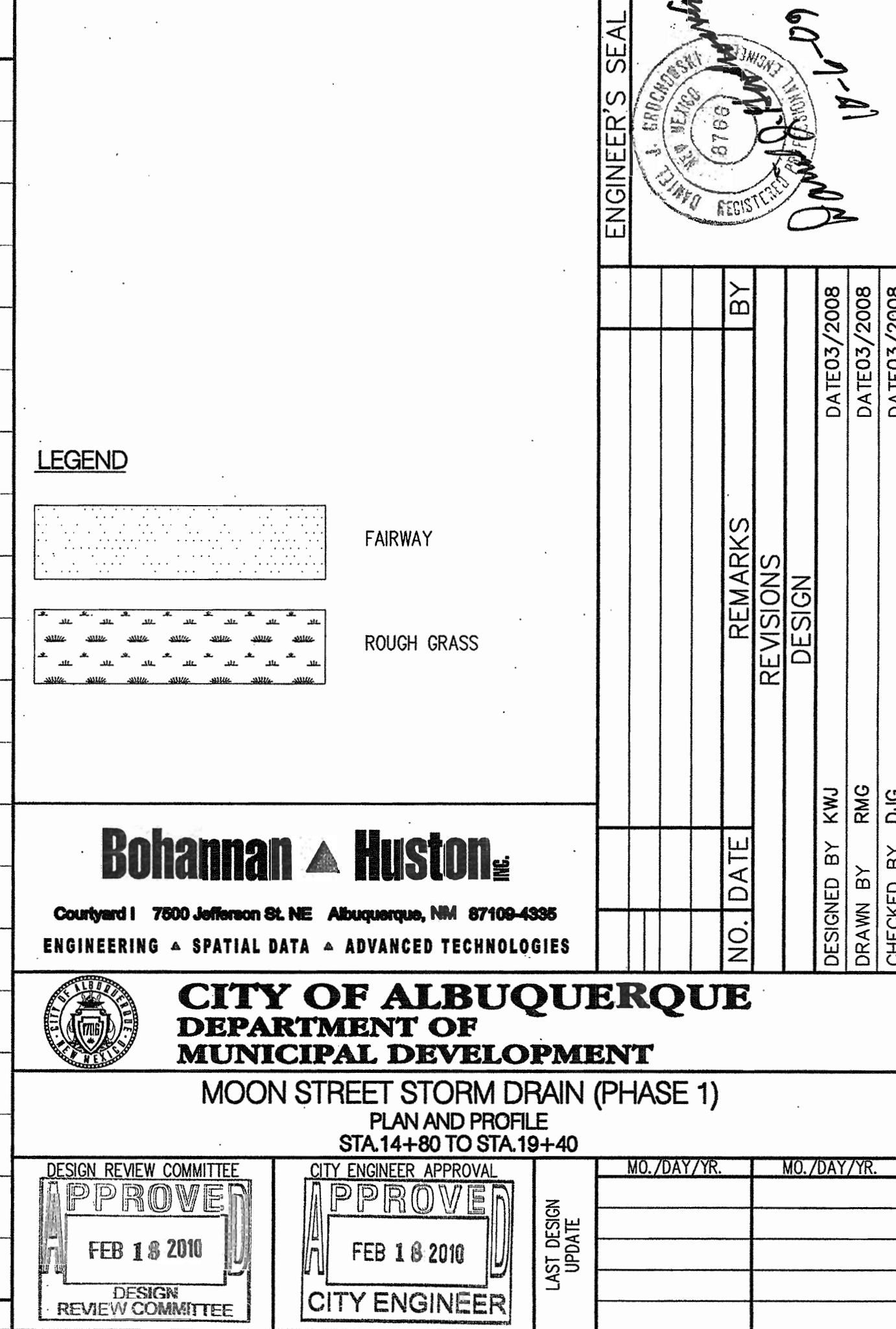
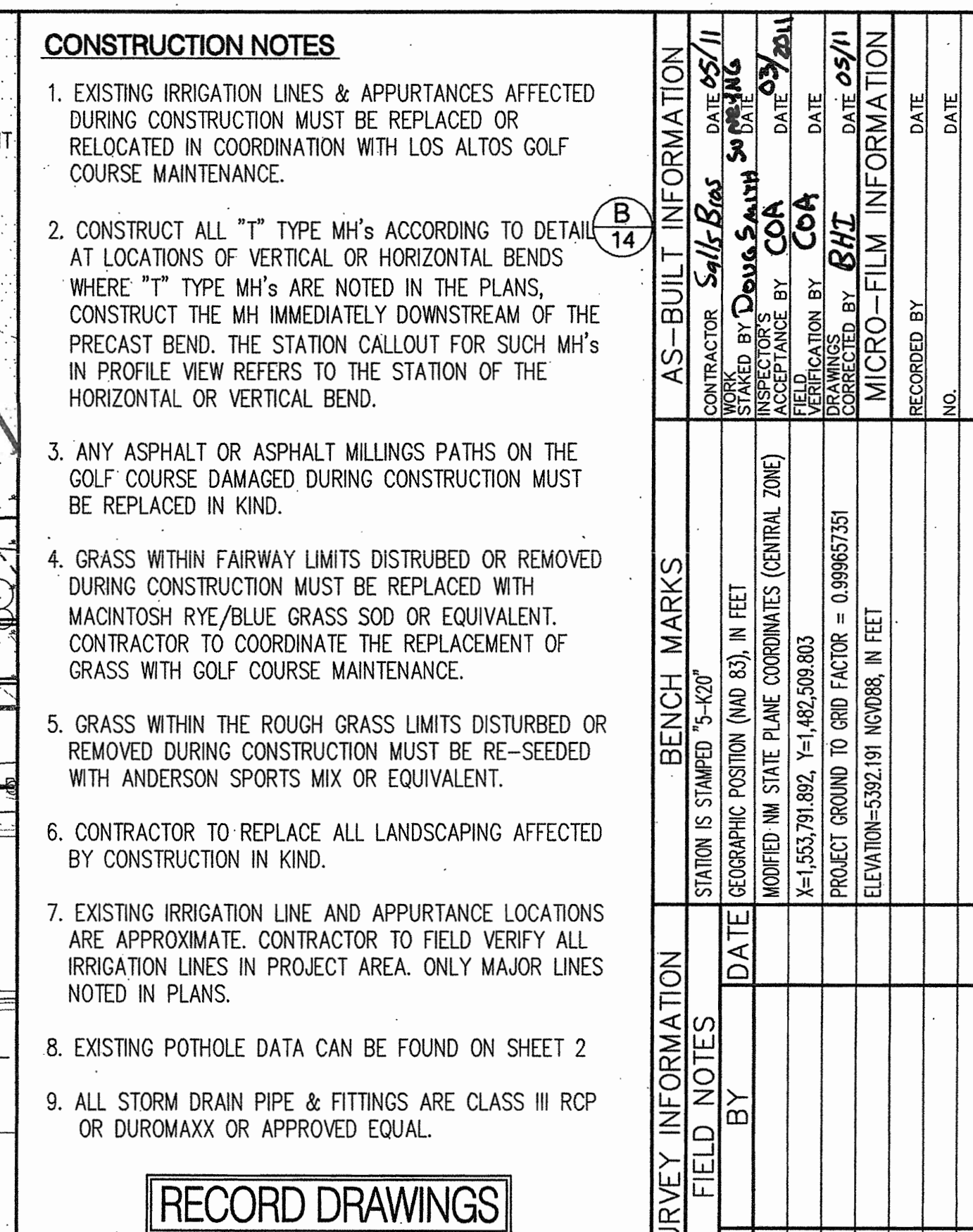
CITY ENGINEER APPROVAL
APPROVED
FEB 18 2010

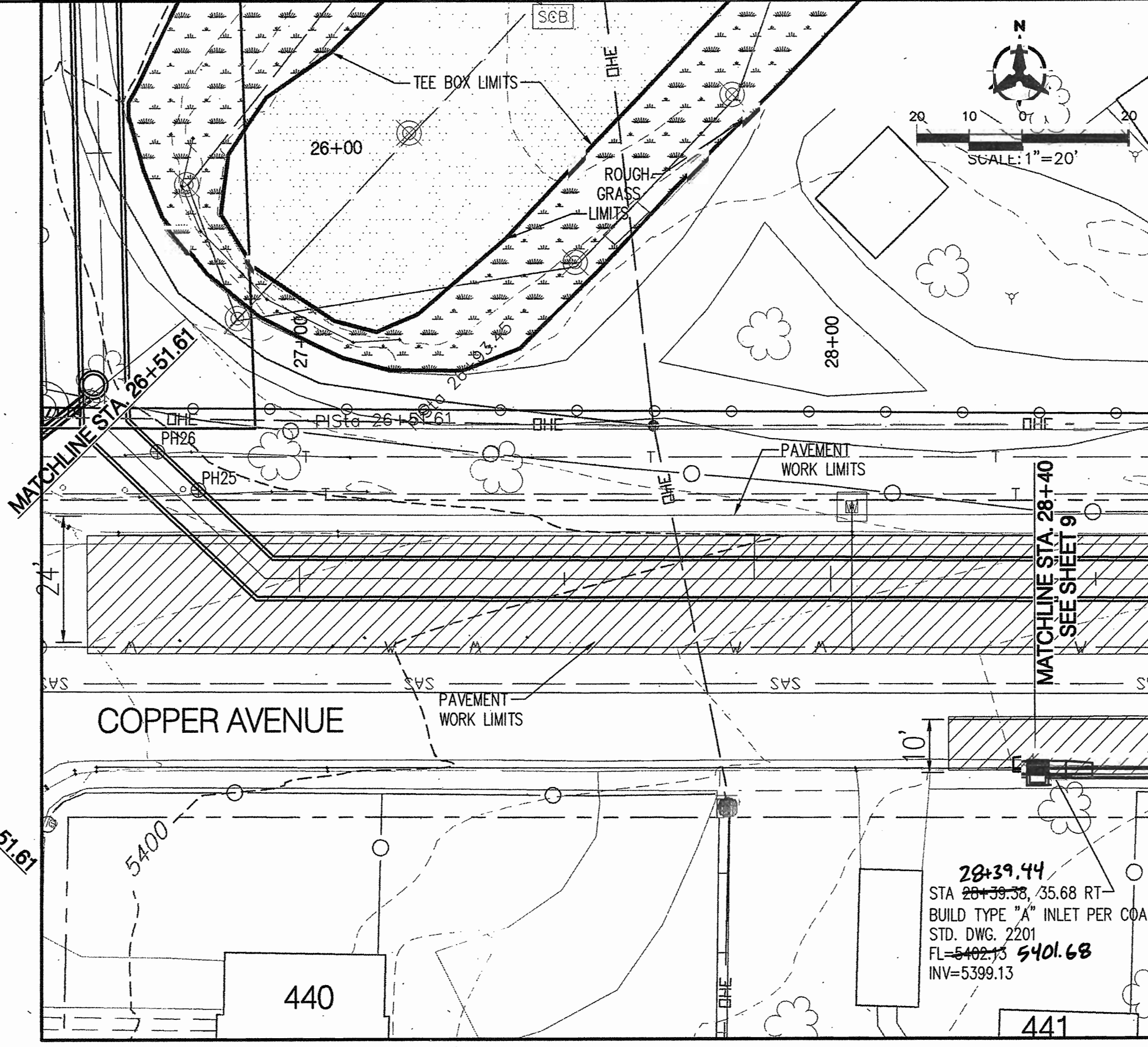
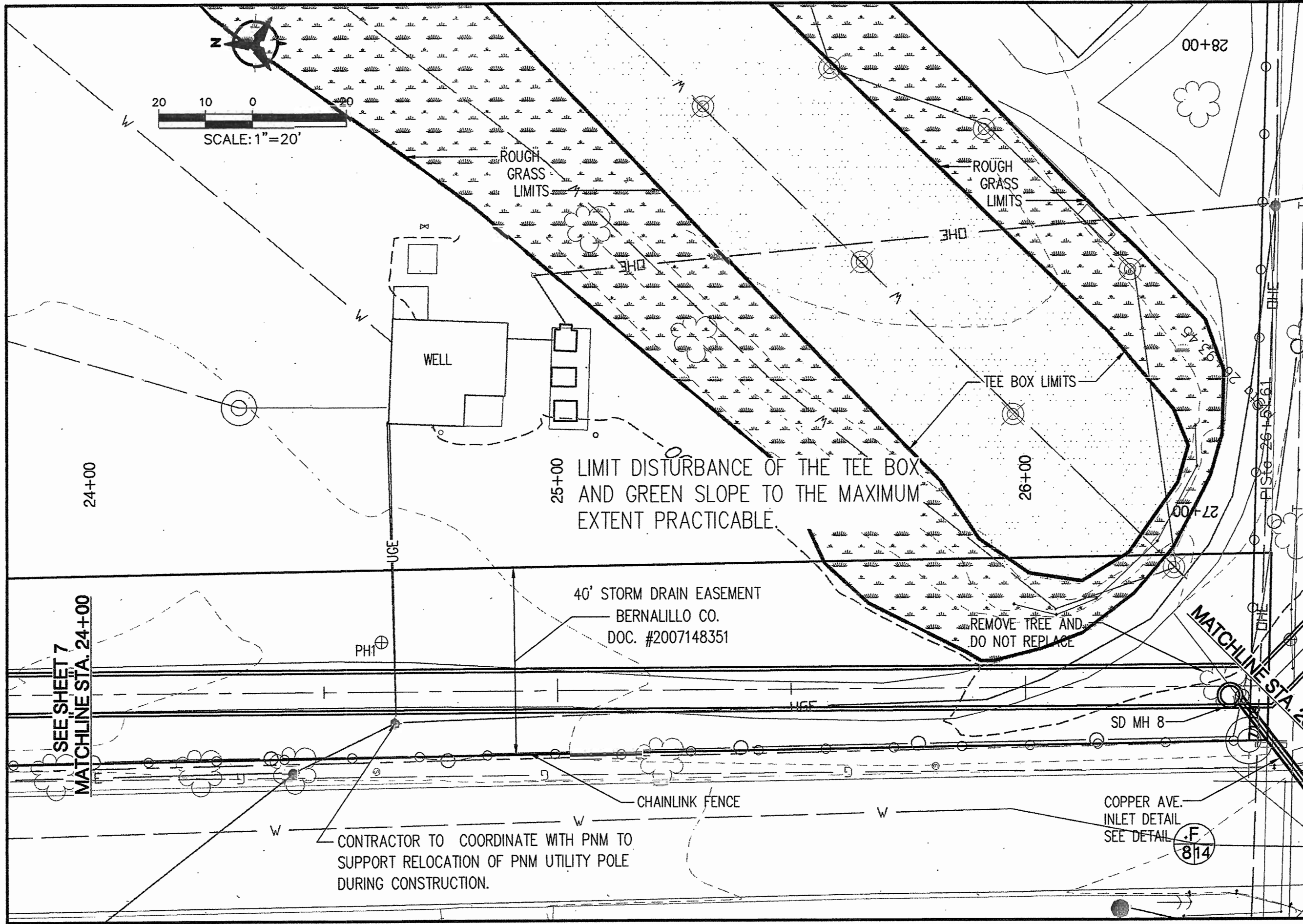
LAST DESIGN UPDATE

CONTRACTOR: **SALE BAS** DATE: **05/11**
WORK ORDER: **SALE BAS** DATE: **05/11**
INSPECTED BY: **SALE BAS** DATE: **05/11**
ACCEPTANCE BY: **COA** DATE: **05/11**
FIELD NOTES BY: **COA** DATE: **05/11**
DRAWINGS CORRECTED BY: **BHT** DATE: **05/11**
MICRO-FILM INFORMATION
RECORDED BY: **BHT** DATE: **05/11**

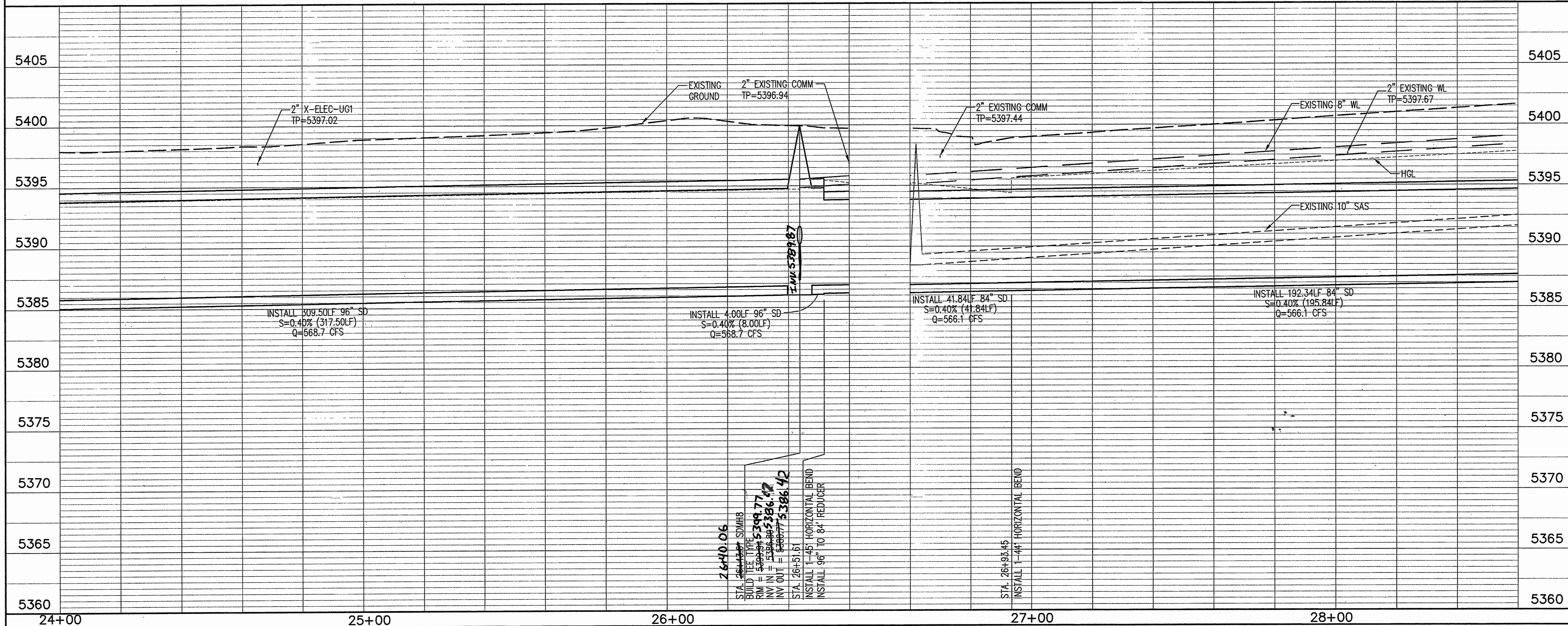
DESIGNED BY: **KWJ** DATE: **03/2008**
DRAWN BY: **RMG** DATE: **03/2008**
CHECKED BY: **DJG** DATE: **03/2008**

GITY PROJECT NO. **7815.02** ZONE MAP NO. **K-20-Z** SHEET **5** OF **17**





LOS ALTOS GOLF COURSE



RECORD DRAWINGS

- CONSTRUCTION NOTES**
- EXISTING IRRIGATION LINES & APPURTANCES AFFECTED DURING CONSTRUCTION MUST BE REPLACED OR RELOCATED IN COORDINATION WITH LOS ALTOS GOLF COURSE MAINTENANCE. LOCATIONS OF IRRIGATION LINES ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY.
 - CONSTRUCT ALL "T" TYPE MH'S ACCORDING TO DETAIL WHERE "T" TYPE MH'S ARE NOTED IN THE PLANS. CONSTRUCT THE MH IMMEDIATELY DOWNSTREAM OF THE PRECAST BEND. THE STATION CALLOUT FOR SUCH MH'S IN PROFILE VIEW REFERS TO THE STATION OF THE HORIZONTAL OR VERTICAL BEND.
 - CONTRACTOR TO REPLACE ALL LANDSCAPING AFFECTED BY CONSTRUCTION IN KIND.
 - ALL CURB, GUTTER, SIDEWALK AND DRIVEWAYS DAMAGED OR REMOVED DURING CONSTRUCTION MUST BE REPLACED BY CURB, GUTTER, SIDEWALK AND DRIVEWAY CONFORMING TO COA STD. DWGS 2415A, 2430, 2420 AND 2425 TO MATCH EXISTING.
 - ALL ROADWAY STRIPING DAMAGED OR REMOVED DURING CONSTRUCTION TO BE REPLACED IN ACCORDANCE WITH COA STD SPECIFICATION.
 - ANY ASPHALT OR ASPHALT MILLINGS PATHS ON THE GOLF COURSE DAMAGED DURING CONSTRUCTION MUST BE REPLACED IN KIND.
 - TWO THROUGH LANES ON COPPER (ONE IN EACH DIRECTION) MUST BE OPEN AT ALL TIMES. A MINIMUM WIDTH OFF 11 FEET FOR EACH LANE OF TRAFFIC SHALL BE PROVIDED.
 - THE CONTRACTOR SHALL SCHEDULE AND PERFORM THE WORK IN SUCH A MANNER AS TO RESULT IN THE LEAST POSSIBLE DISRUPTION TO THE PUBLIC'S USE OF ROADWAYS, DRIVEWAYS, AND UTILITIES.
 - CONTRACTOR TO REMOVE AND REPLACE EXISTING WATER SERVICE LINES IMPACTED BY CONSTRUCTION OF THE STORM DRAIN FROM THE MAIN TO THE METER, NO SPLICING.
 - REPLACE IN KIND ALL EXISTING PERMANENT PAVEMENT MARKINGS AND TRAFFIC SIGNING DAMAGED BY CONSTRUCTION. ALL COSTS ARE INCIDENTAL TO PAVEMENT BID ITEMS.
 - EXISTING POTHOLE DATA CAN BE FOUND ON SHEET 2
 - GRASS WITHIN FAIRWAY/AND TEE BOX LIMITS DISTURBED OR REMOVED DURING CONSTRUCTION MUST BE REPLACED WITH MACINTOSH RYE/BLUE GRASS SOD OR EQUIVALENT. CONTRACTOR TO COORDINATE THE REPLACEMENT OF GRASS WITH GOLF COURSE MAINTENANCE.
 - GRASS WITHIN THE ROUGH GRASS LIMITS DISTURBED OR REMOVED DURING CONSTRUCTION MUST BE RE-SEED WITH ANDERSON SPORTS MIX OR EQUIVALENT.
 - THE CONTRACTOR IS TO REPLACE ANY WHEELCHAIR RAMPS DAMAGED OR REMOVED DURING CONSTRUCTION PER COA STD. DWG. 2441 CASE I, WITH TRUNCATED DOMES.
 - ALL STORM DRAIN BENDS, REDUCERS, WYES, ETC. SHALL BE PRE-CAST.
 - ALL STORM DRAIN PIPE & FITTINGS ARE CLASS III RCP OR DUROMAXX OR APPROVED EQUAL.

- LEGEND**
- REMOVE AND REPLACE ASPHALT ACCORDING TO DETAIL
 - TEE BOX/FAIRWAY
 - ROUGH GRASS

Bohannon & Huston
Courtyard I 7800 Jefferson St. NE Albuquerque, NM 87109-4396
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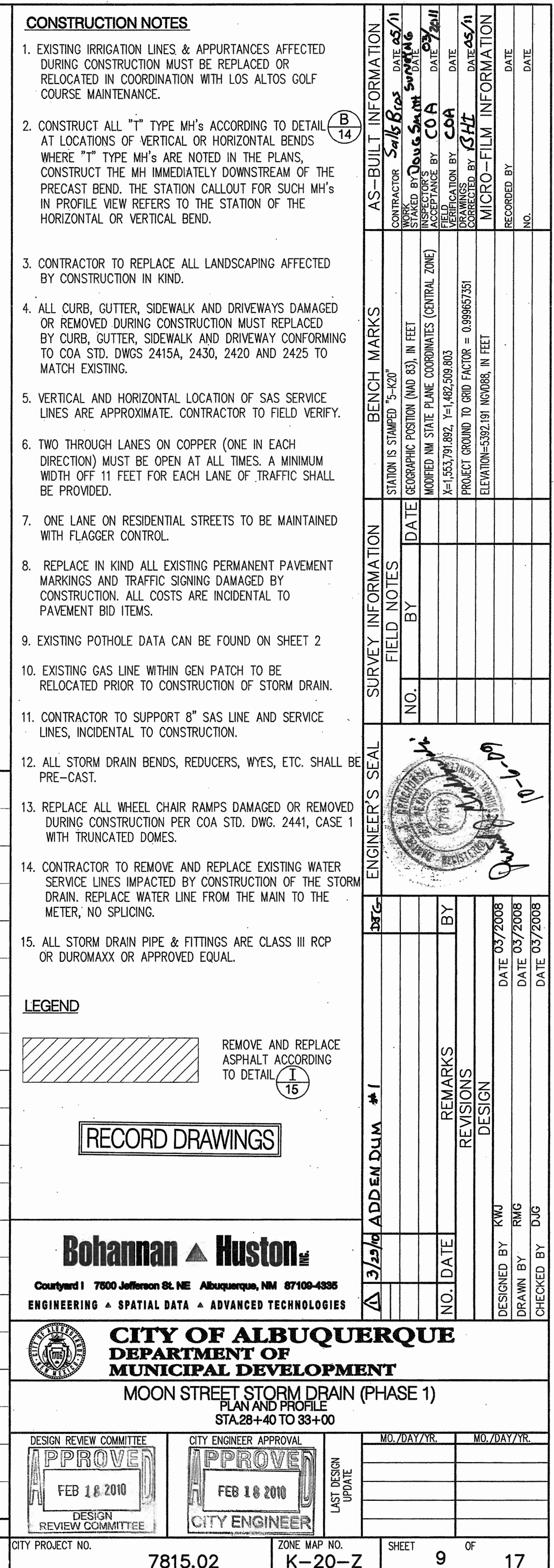
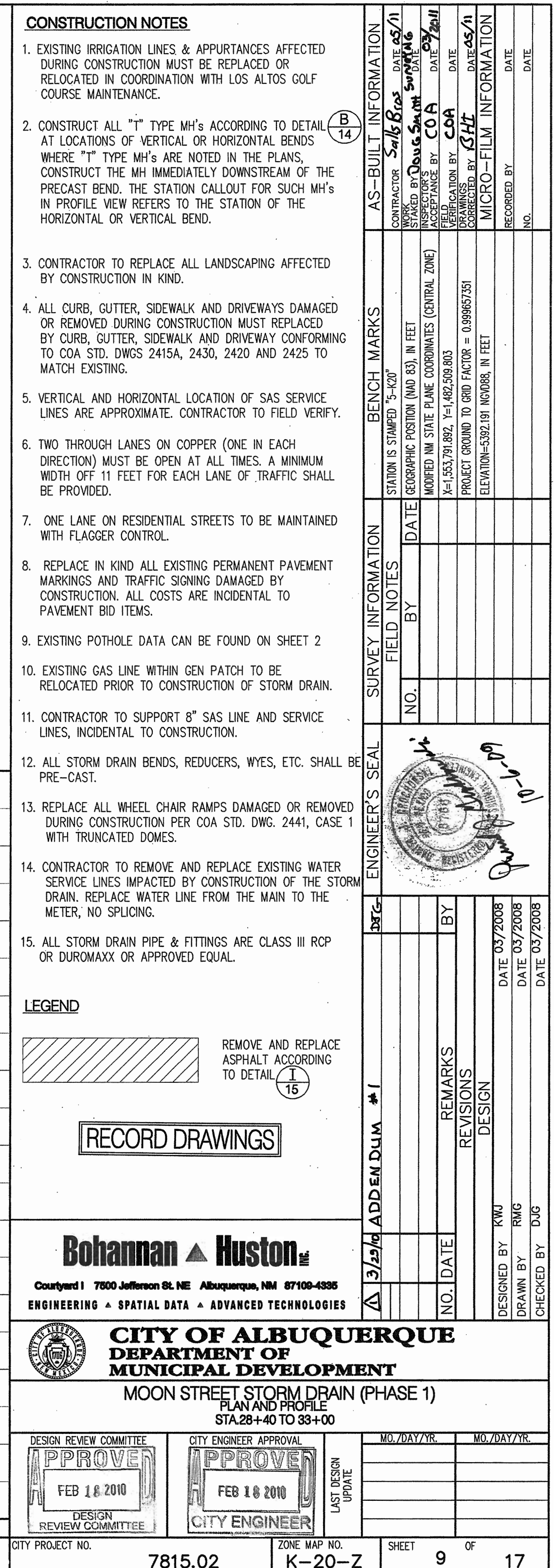
CITY OF ALBUQUERQUE
DEPARTMENT OF
MUNICIPAL DEVELOPMENT

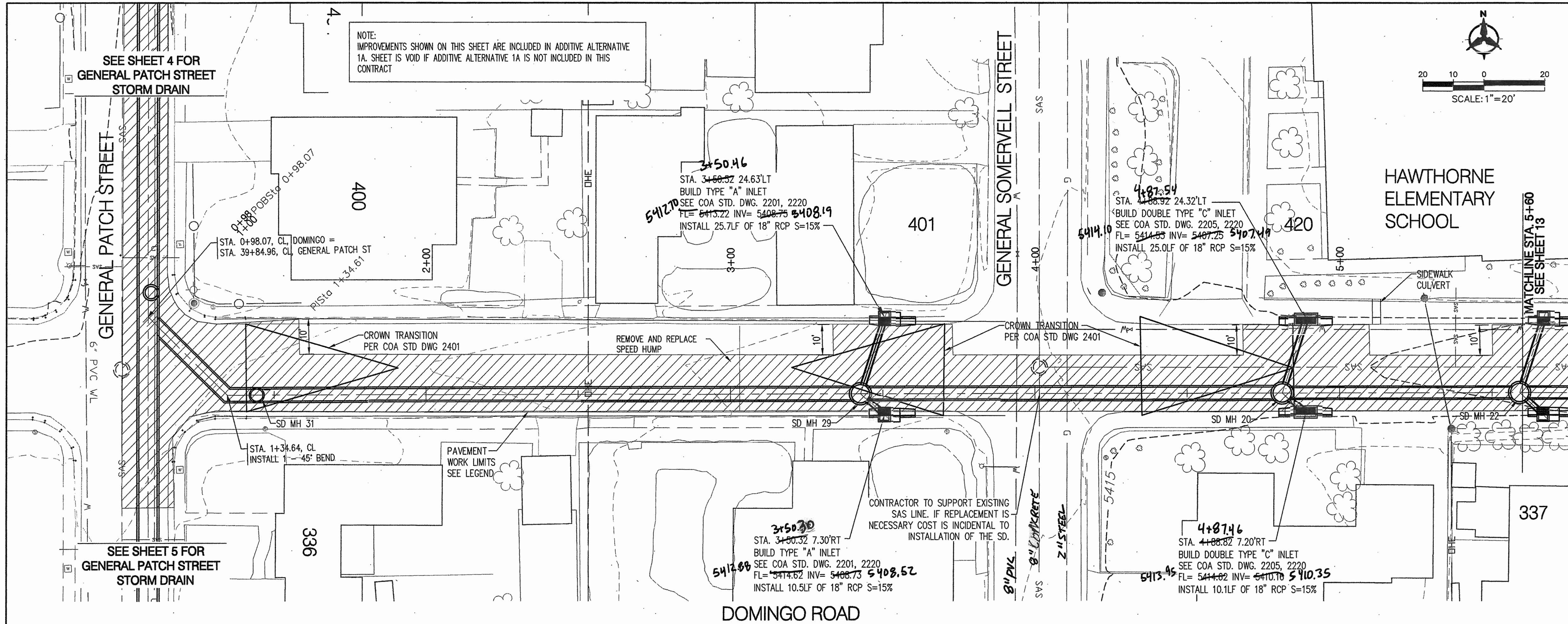
MOON STREET STORM DRAIN (PHASE 1)
PLAN AND PROFILE
STA 24+00 TO 28+40

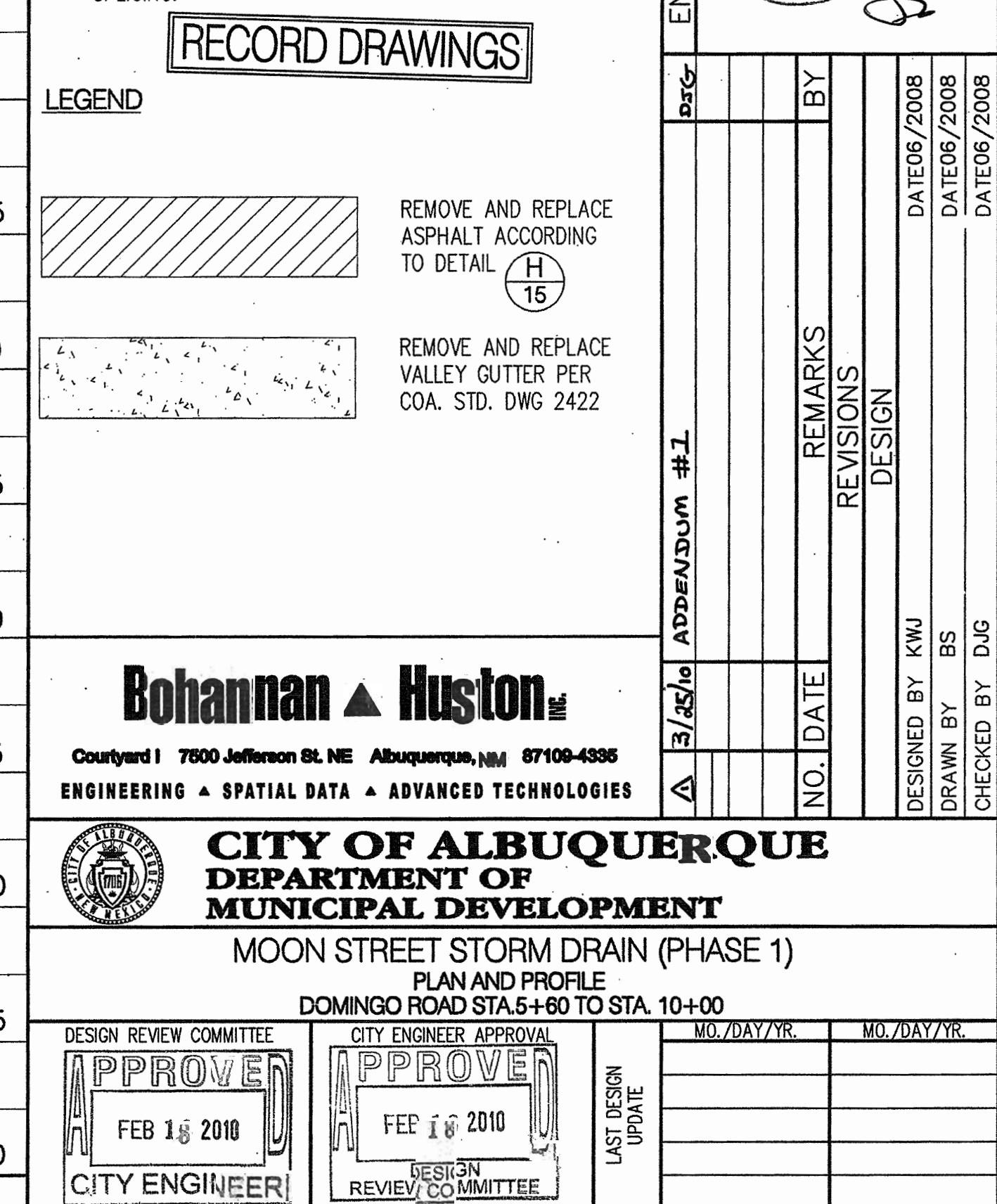
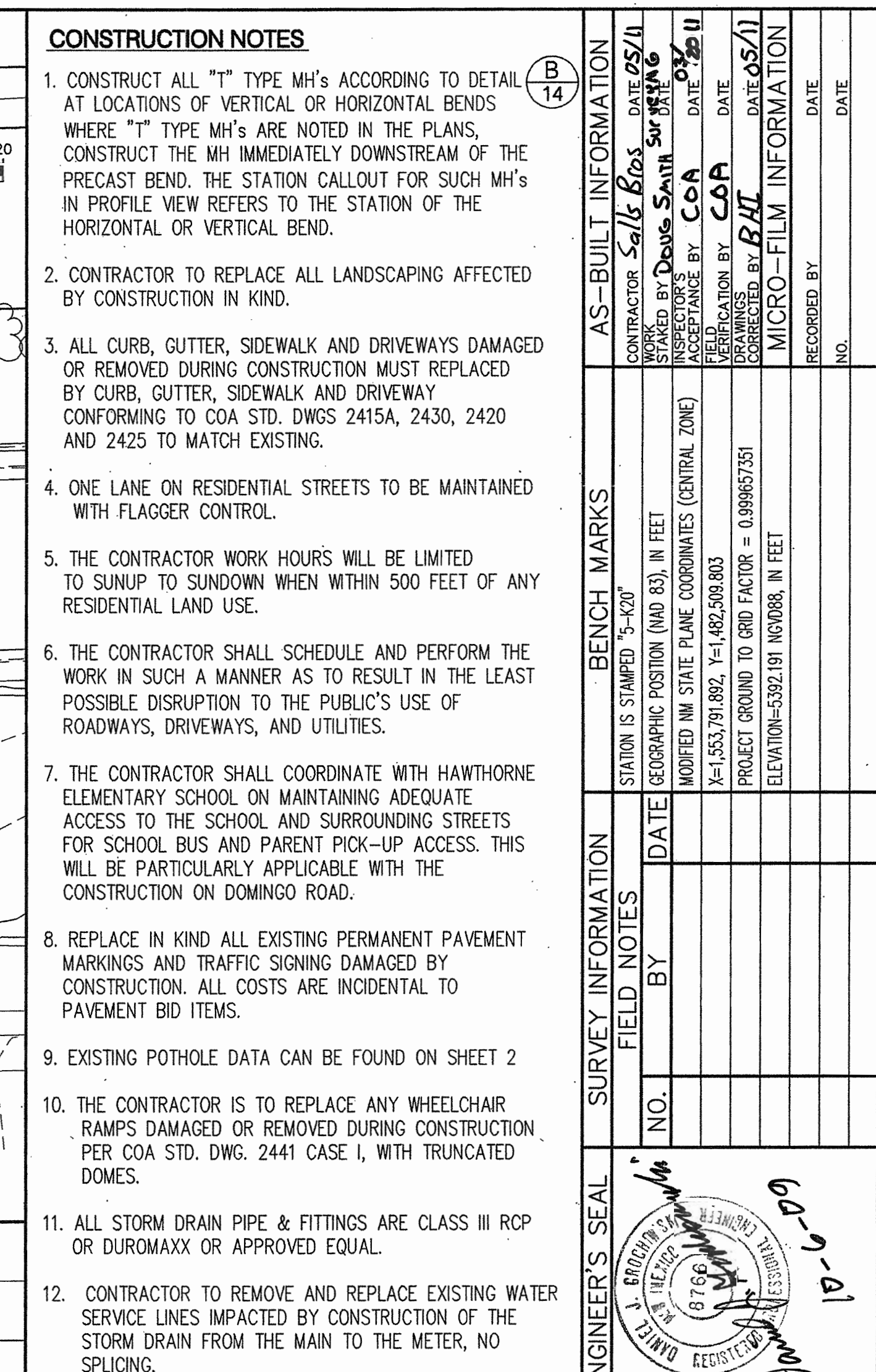
DESIGN REVIEW COMMITTEE
APPROVE
FEB 14 2010
CITY ENGINEER

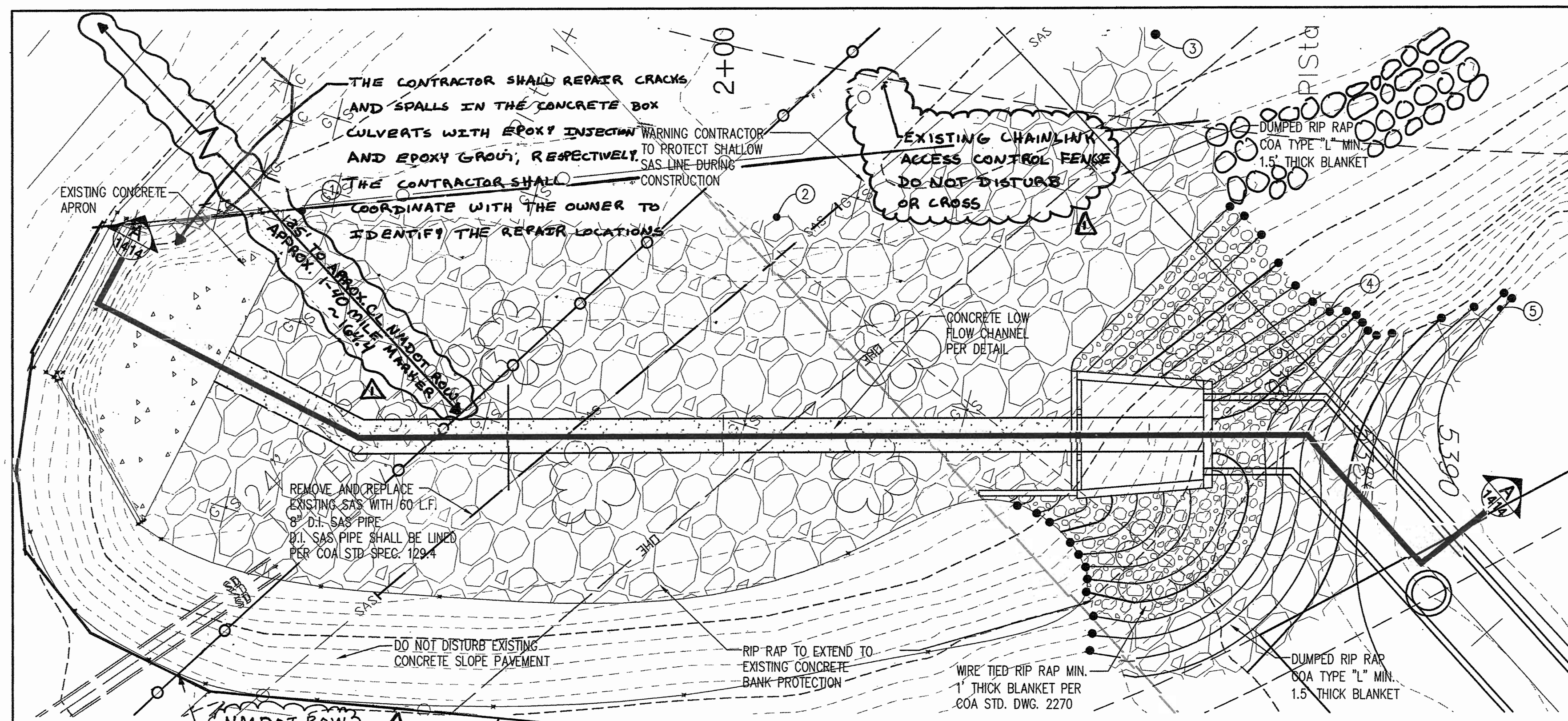
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PLAN AND PROFILE
STA 24+00 TO 28+40

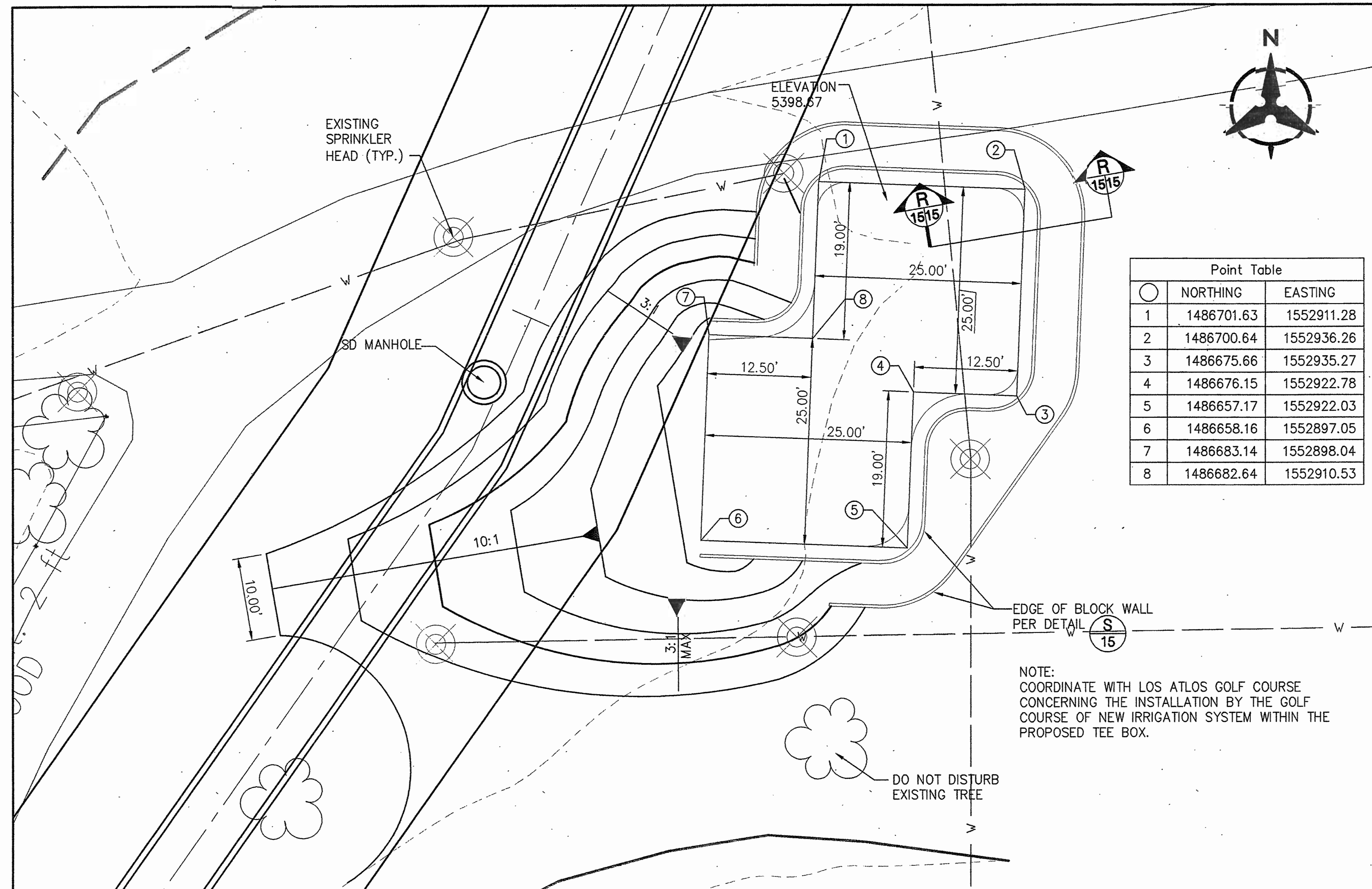
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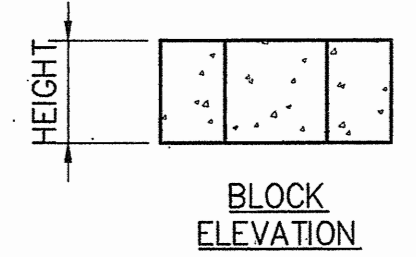




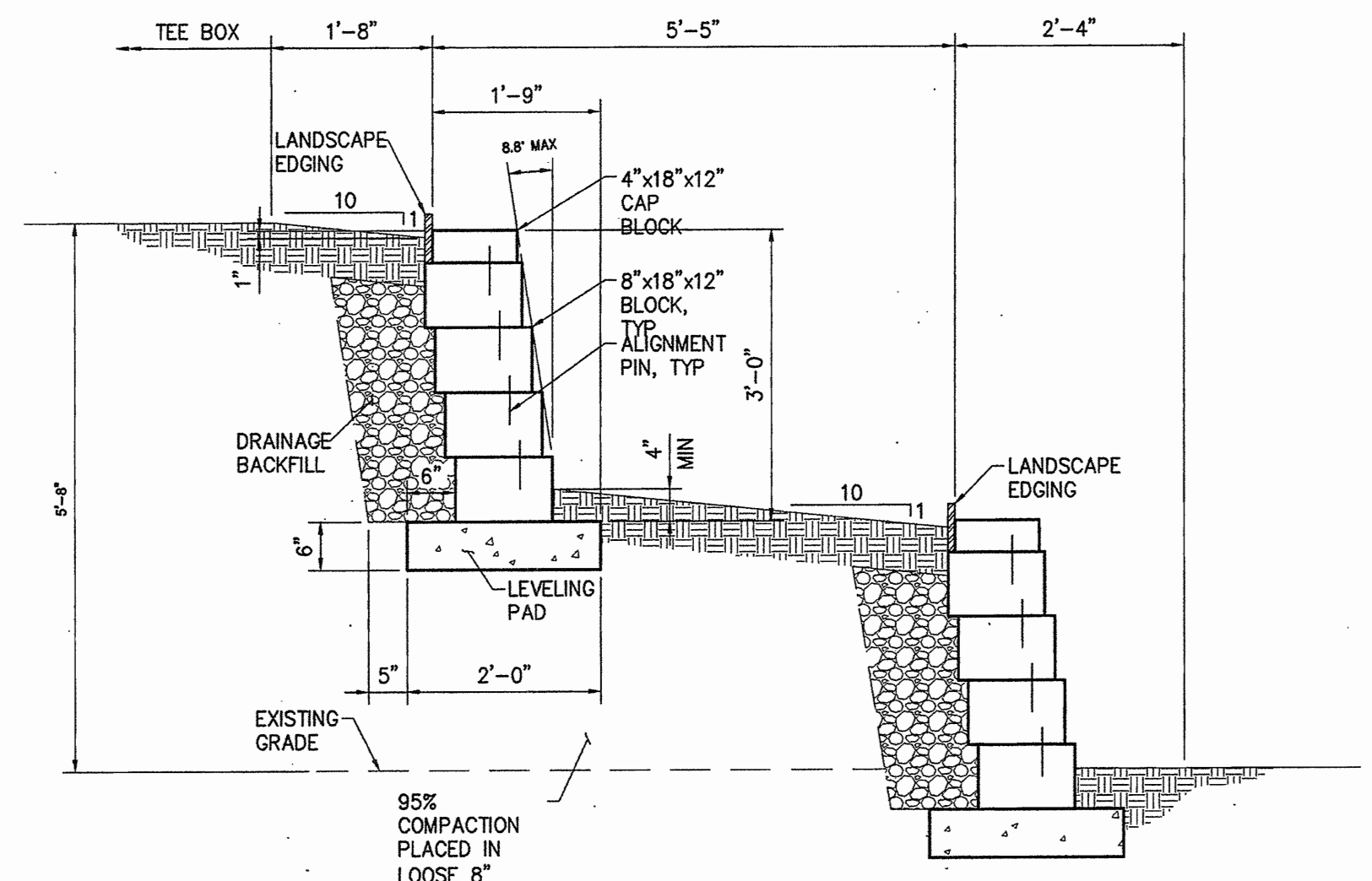




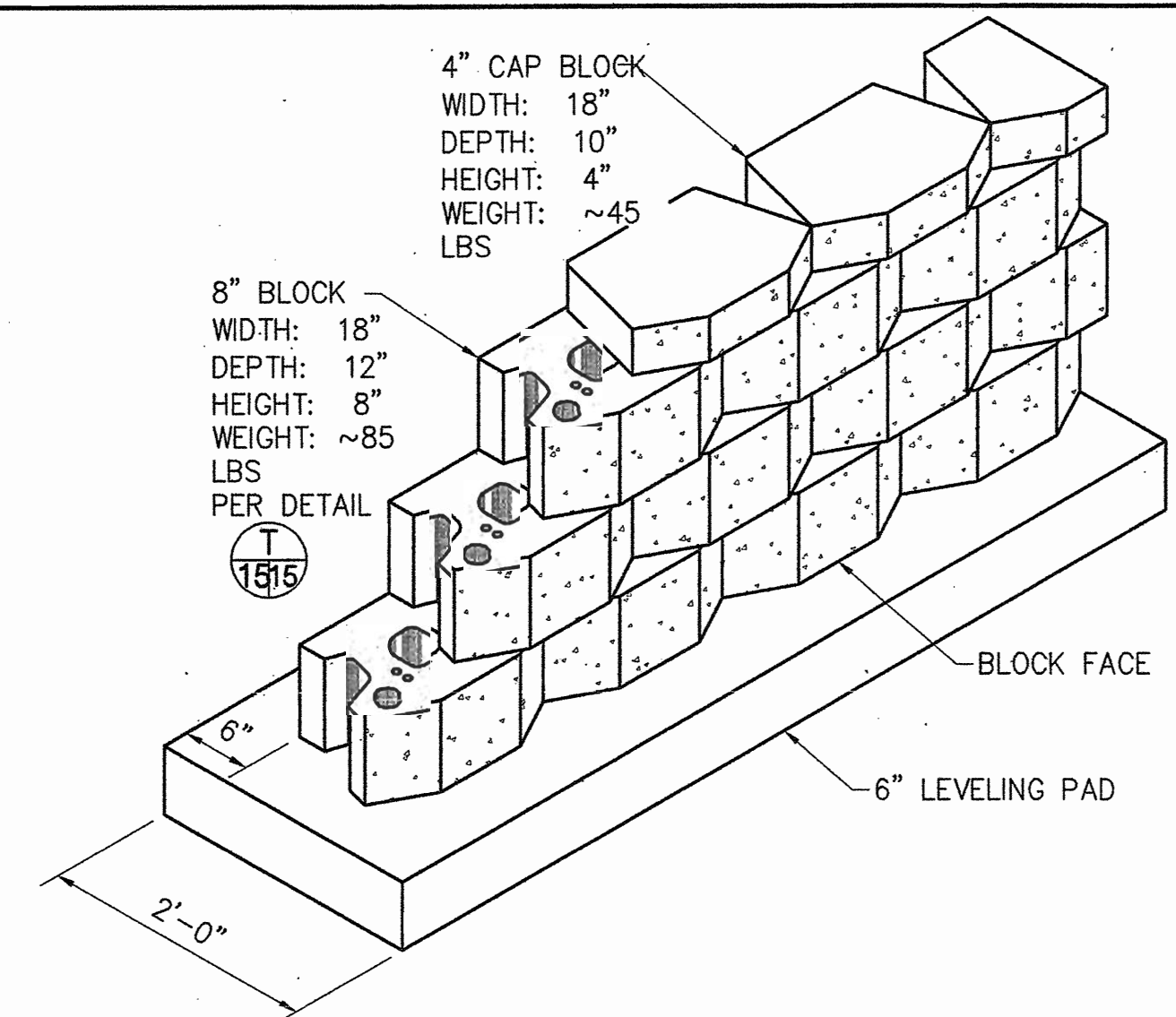
G TEE BOX PLAN
15 SCALE: 1"=10'



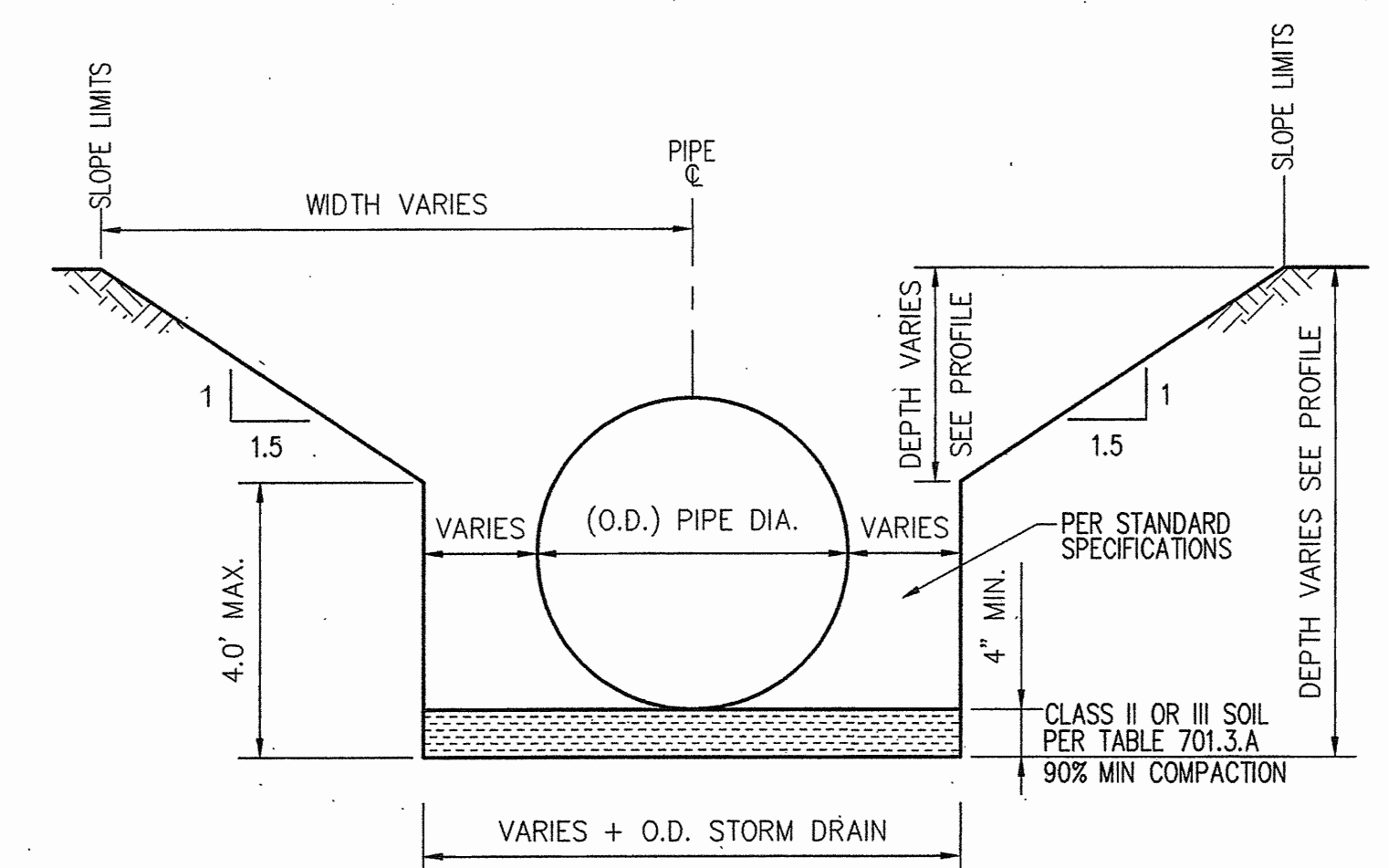
T PIPE OUTLET RIPRAP DETAIL
15 N.T.S.



R TYPICAL WALL ELEVATION
15 SCALE: 1"=20'

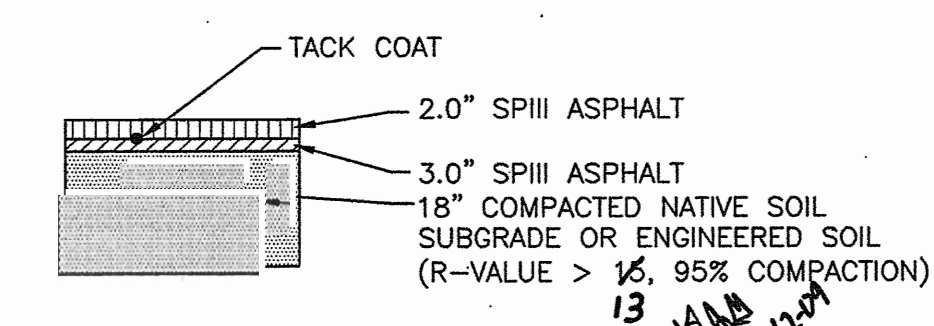


S TYPICAL ISOMETRIC VIEW
15 N.T.S.

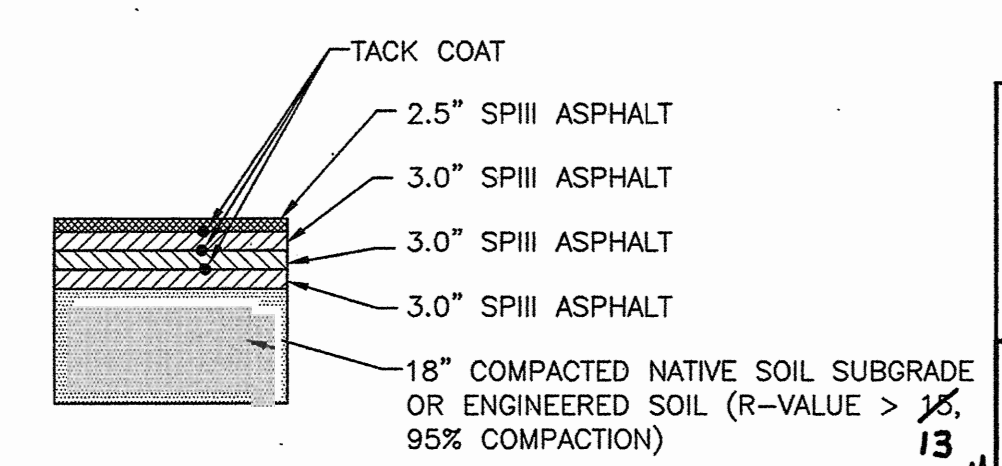


REVISED TYPICAL TRENCH SECTION
N.T.S.

PIPE INSTALLATION SHALL MEET THE REQUIREMENTS OF SECTION 701 AND COA STD. DWG. 2465 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED.



H RESIDENTIAL PAVEMENT SECTION
15 N.T.S.



I COLLECTOR PAVEMENT SECTION
15 N.T.S.

NOTE
IF SUBGRADE SOIL R VALUE ENCOUNTERED IS LESS THAN 13, CONTRACTOR SHALL REPLACE TWO FEET OF EXISTING SOIL WITH SOIL WITH AN R-VALUE ≥ 13.

NOTES:
MODULAR CONCRETE RETAINING WALLS:

- MODULAR BLOCK WALL SYSTEM SHALL BE FABRICATED BY AUTHORIZED LICENSED MANUFACTURERS OF
 - KEYSTONE RETAINING WALL SYSTEMS, INC., 4444 WEST 78TH ST. MINNEAPOLIS, MN 55435 (952) 897-1040
 - SUBSTITUTIONS ARE ACCEPTABLE PENDING REVIEW & APPROVAL BY THE PROJECT ENGINEER.
 - THE COLOR OF THE BLOCKS SHALL BE SELECTED BY THE OWNER.
 - BLOCK FACE SHALL BE SCULPTED ROCK FACE IN ANGULAR TRI-PLANAR CONFIGURATION AS SHOWN ON PLANS.
 - THE BLOCKS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - ALIGNMENT PINS SHALL BE USED TO SET THE WALL BATTER AS SHOWN ON THE PLANS. ALL PINS SHALL BE SUPPLIED BY "APPROVED VENDORS" WITH VERIFICATION CERTIFICATIONS FROM THE MANUFACTURER.
 - DRAINAGE FILL BEHIND WALL SHALL MEET THE GRADATION LISTED BELOW. PEA GRAVEL IS NOT ACCEPTABLE.
- | SIEVE SIZE | PERCENT PASSING |
|------------|-----------------|
| 1" | 100% |
| 3/4" | 75-100 |
| NO. 4 | 0-10 |
| NO. 50 | 0-5 |
- PLACE AND COMPACT DRAINAGE FILL WITHIN AND BEHIND WALL USING HAND-COMPACTION METHODS.
 - PLACE AND COMPACT BACKFILL SOIL BEHIND DRAINAGE FILL TO A MINIMUM OF 95% STANDARD PROCTOR.
 - DRAINAGE FILL AND SOIL BACKFILL SHALL BE 95% COMPACTION PLACED IN LOOSE 8" MAXIMUM LIFTS.
 - GLUE CAP BLOCKS TO UNDERLYING BLOCKS USING AN ALL-WEATHER ADHESIVE AS RECOMMENDED BY THE MANUFACTURER.
 - THE LEVELING PAD IS TO BE CONSTRUCTED OF 2,000 PSI UNREINFORCED CONCRETE.
 - THE LEVELING PAD SHALL BE PLACED ON 95% COMPACTION SUBGRADE.

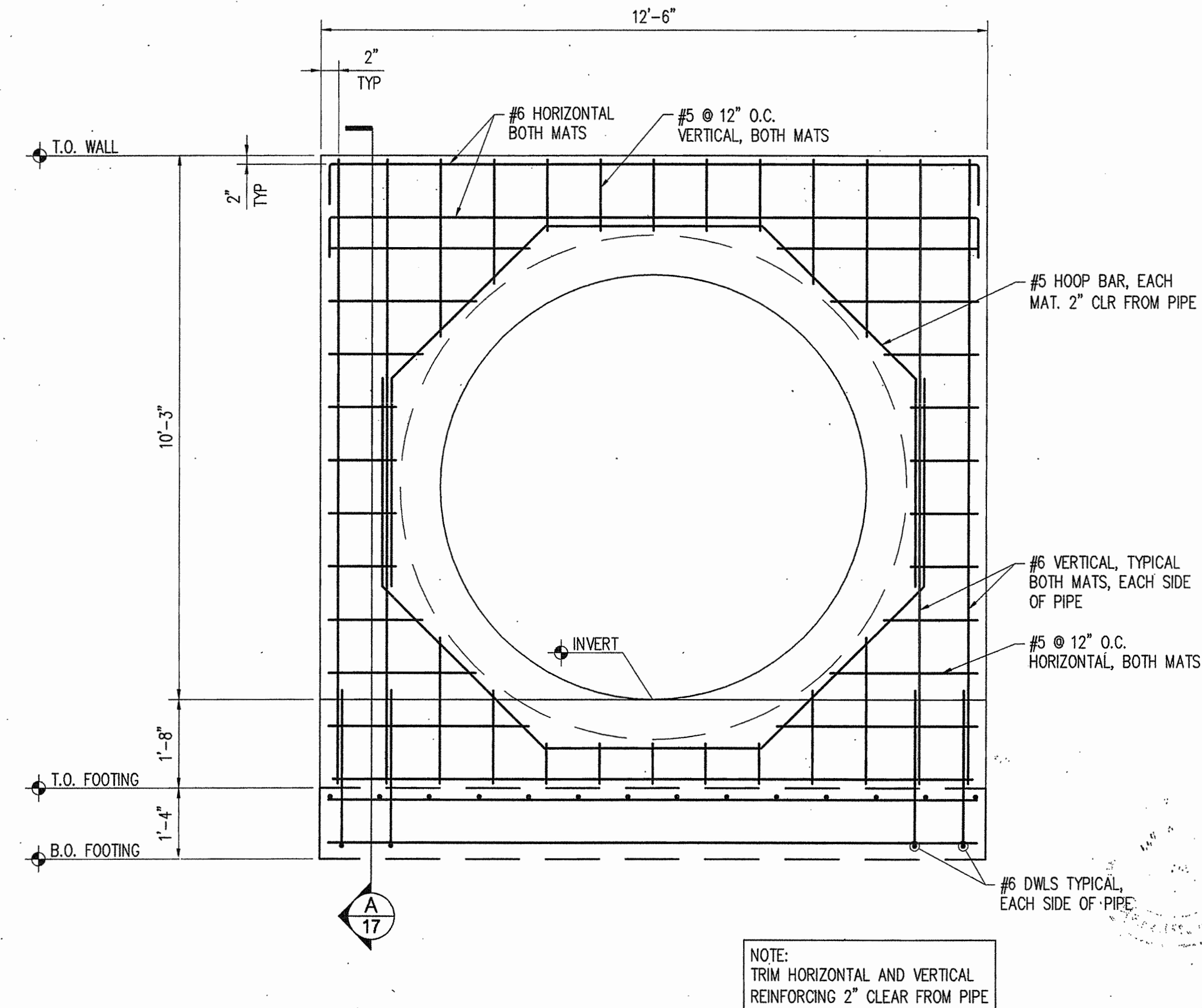
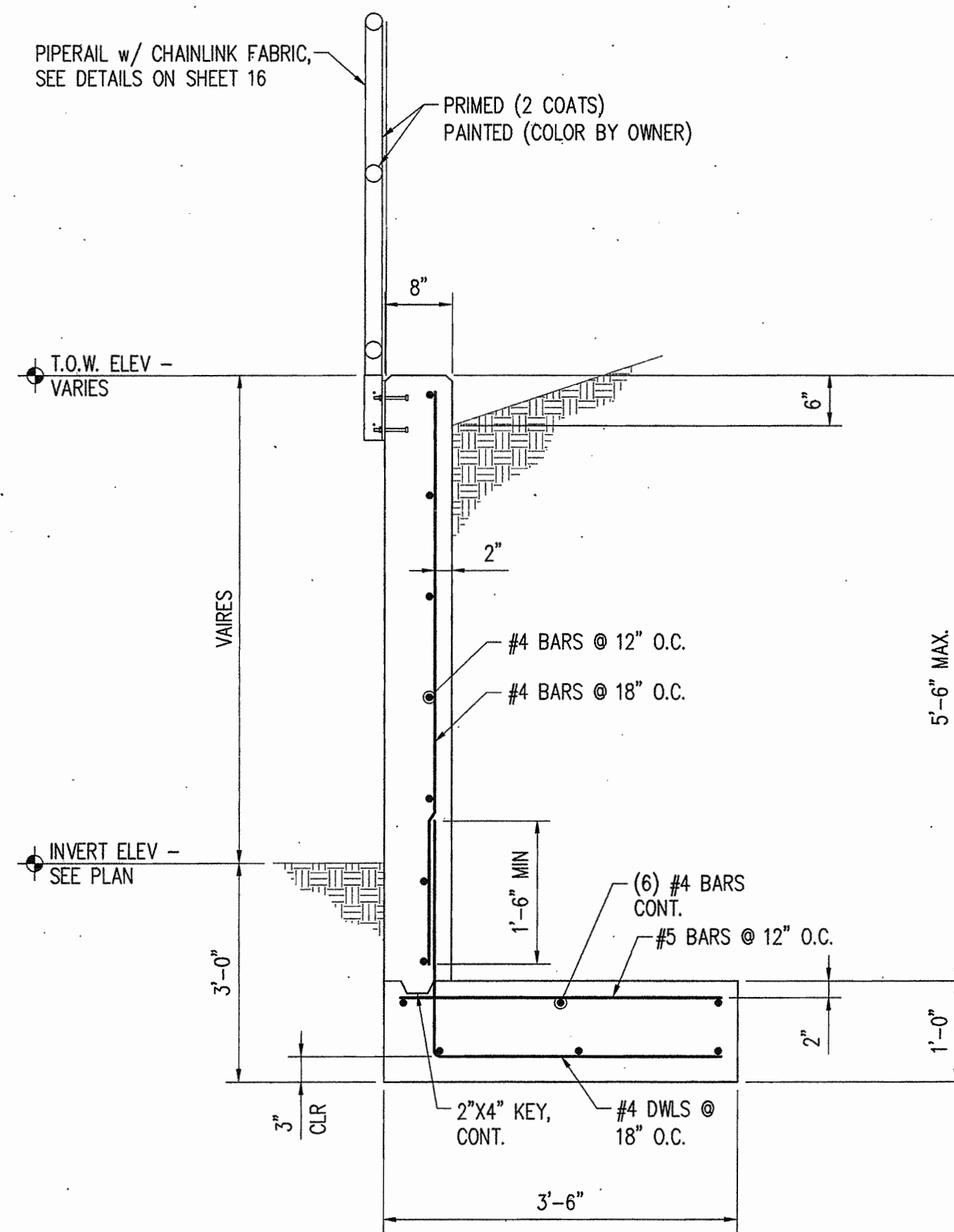
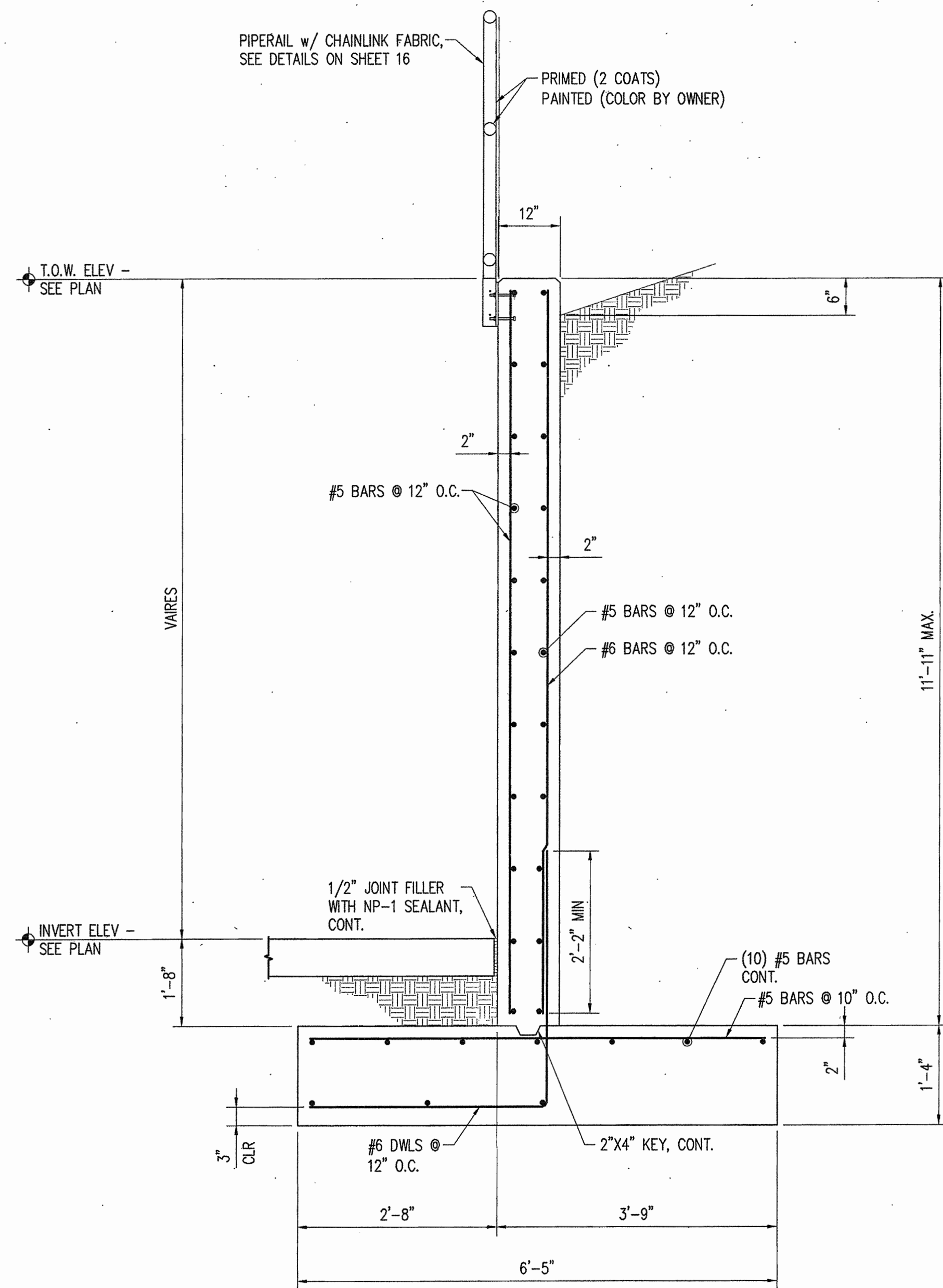
RECORD DRAWINGS

Bohanna & Huston
 Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4336
 ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT

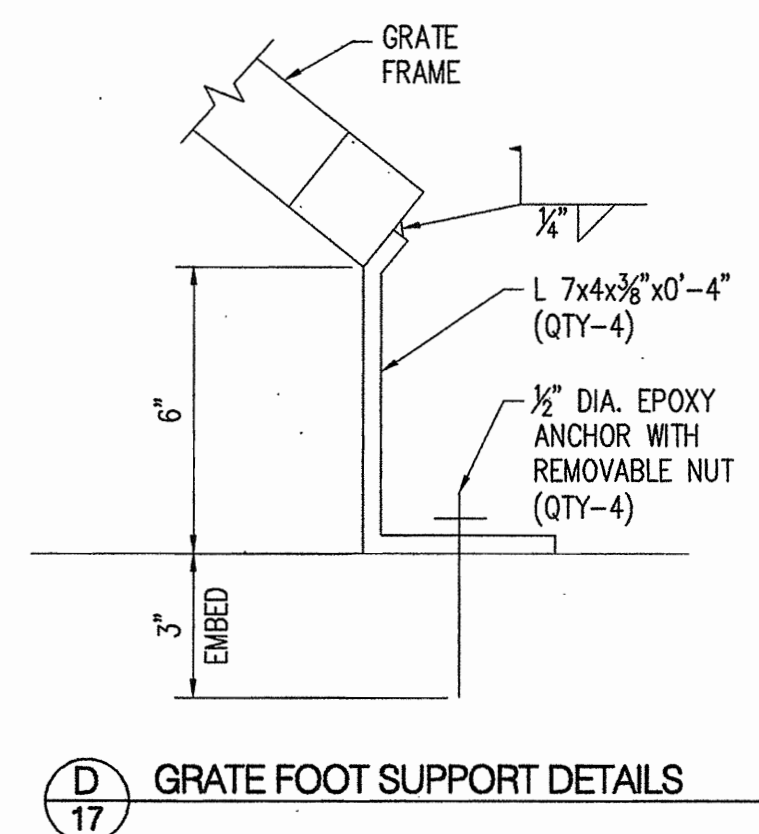
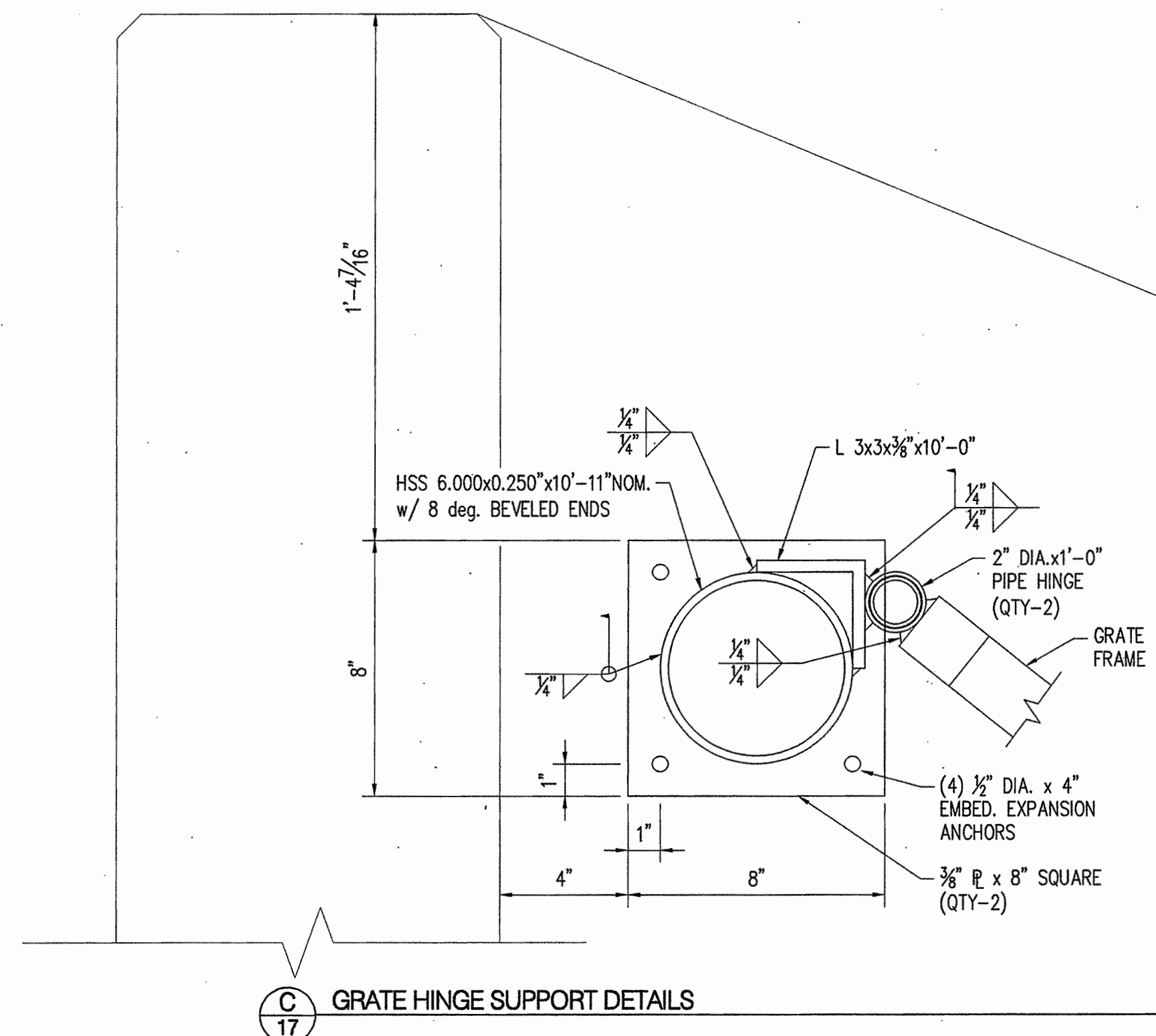
MOON STREET STORM DRAIN (PHASE 1)
MISCELLANEOUS DETAILS (2)

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO. / DAY / YR.	MO. / DAY / YR.
APPROVED FEB 18 2010	APPROVED FEB 18 2010		
DESIGN REVIEW COMMITTEE	CITY ENGINEER	LAST DESIGN UPDATE	
CITY PROJECT NO.	7815.02	ZONE MAP NO.	K-20-Z
		SHEET	15 OF 17



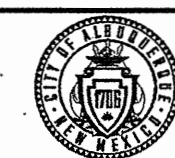
DESIGN DATA

CONCRETE: $f'_c = 3000$ PSI
 REINFORCING STEEL: ASTM A615 GRADE 60, $f_y = 60$ KSI
 MISCELLANEOUS STRUCTURAL STEEL:
 HSS: SHAPES: A500 GR.B, $f_y = 42$ KSI
 STEEL PIPE: A53 GR.B, $f_y = 35$ KSI
 ANGLES: A36, $f_y = 36$ KSI
 ANCHOR BOLTS: F1554 GR.36, $f_y = 36$ KSI



RECORD DRAWINGS

Bohannon & Huston
 Courtyard I 7800 Jefferson St. NE Albuquerque, NM 87109-4335
 ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES



CITY OF ALBUQUERQUE
 DEPARTMENT OF
 MUNICIPAL DEVELOPMENT

MOON STREET STORM DRAIN (PHASE 1)
 STRUCTURAL SECTIONS AND DETAILS (2)

DESIGN REVIEW COMMITTEE
 APPROVED
 FEB 18 2010
 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
 APPROVED
 FEB 18 2010
 CITY ENGINEER

LAST DESIGN UPDATE

MO./DAY/YR. MO./DAY/YR.
 SHEET 17 OF 17

QTY PROJECT NO. 7815.02 ZONE MAP NO. K-20-Z SHEET 17 OF 17