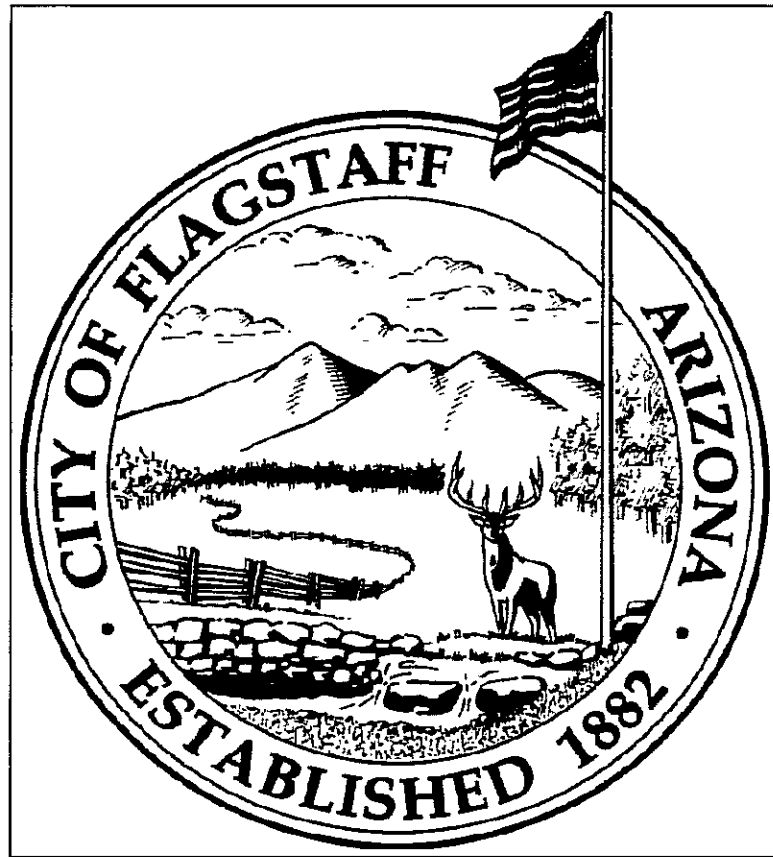




CITY OF FLAGSTAFF CONSTRUCTION PLANS C.O.F. C.I.S. NO: 03-03009 6th AVENUE DETENTION BASIN AND BMX PARK REVISIONS

A PORTION OF THE SE 1/4 OF SECTION 11
T 21 N, R 7 E, G. & S.R.B.& M., LOCATED WITHIN THE LIMITS OF
THE CITY OF FLAGSTAFF, COCONINO COUNTY, ARIZONA

UTILITY COMPANY APPROVAL

ARIZONA PUBLIC SERVICE

BY LETTER 05-23-07
BY: DATE:

UNISOURCE ENERGY SERVICES

BY LETTER 10-30-06
BY: DATE:

N.P.G. CABLEVISION

BY LETTER 11-03-06
BY: DATE:

QWEST COMMUNICATIONS

BY LETTER 10-27-06
BY: DATE:

CITY CONCEPT APPROVAL

THE CITY APPROVES THESE PLANS FOR CONCEPT ONLY.
ALL LIABILITY FOR ERRORS AND OMISSIONS IS THE
RESPONSIBILITY OF THE DESIGN ENGINEER.

CITY ENGINEER:

BY: *Reid Miller* 6/6/07
DATE:

CITY PUBLIC WORKS DIRECTOR

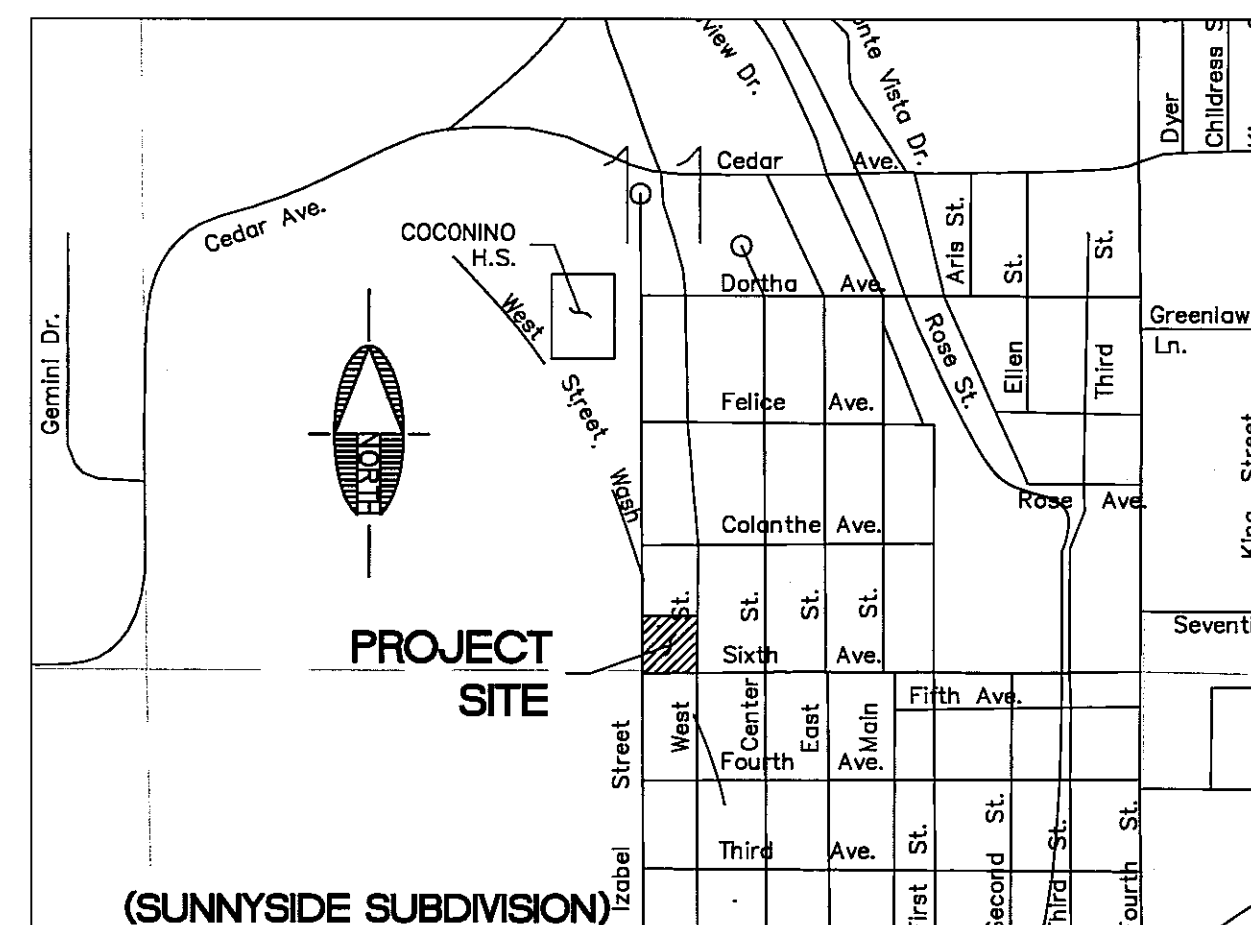
BY: *BP* 6/1/07
DATE:

CITY UTILITIES DIRECTOR

BY: *G. P. B. B.* 5/31/07
DATE:

AUTHORIZATION TO CONSTRUCT:

THE SIGNATURES ABOVE ARE REQUIRED BEFORE THE CONTRACTOR
CAN COMMENCE. UNSIGNED, THESE PLANS HAVE NOT BEEN
COMPLETED WITH RESPECT TO AGENCY REVIEW AND APPROVAL.



VICINITY MAP

NTS

PROJECT INFORMATION

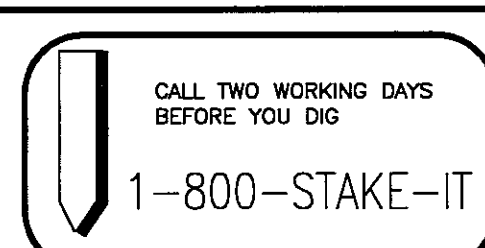
ZONING: EXISTING RMM-E AND PLO-E
OWNER / SUBDIVIDER: CITY OF FLAGSTAFF
CAPITAL IMPROVEMENTS SECTION
211 W ASPEN AVE.
FLAGSTAFF, AZ 86001
(928) 226-4855
OWNER CONTACT: KATHLEEN VISKOIL, CAPITAL IMPROVEMENTS SECTION
SITE DATA: 2.24 ACRES
CULVERT, DETENTION FACILITY AND BMX PARK GRADING
APN: 109-11-151C SOUTH PARCEL

SHEET INDEX

SHT. NO.	DWG. NO.	SHEET DESCRIPTION
1	CVR	COVER SHEET
2	DT01	DETAIL SHEET
3	DT02	DETAIL SHEET
4	SD01	STORM DRAIN REVISIONS

LEGEND

	EXISTING ASPHALT EDGE
	EXISTING OVER HEAD UTILITY LINE
	EXISTING GAS LINE
	EXISTING TELEPHONE LINE
	EXISTING WATER LINE
	EXISTING SEWER LINE
	PROPOSED CONSTRUCTION FENCE
	EXISTING STORM DRAIN PIPE
	PARCEL LINE
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	EXISTING WATER METER
	EXISTING TELEPHONE RISER
	EXISTING ELECTRIC RISER
	EXISTING ELECTRIC METER
	EXISTING GUY WIRE
	EXISTING FIRE HYDRANT
	EXISTING GAS METER
	EXISTING STREET LIGHT
	EXISTING SEWER MANHOLE
	EXISTING STORM SEWER MANHOLE
	EXISTING ROAD SIGN
	EXISTING WATER VALVE
	EXISTING UTILITY POLE
	EXISTING PINE TREE
	EXISTING ELM TREE
	EROSION CONTROL SILT FENCE AND HAY BALE
	HEADWALL
	PROPOSED RIPRAP
	AREAS TO BE RESEDED
	PROPOSED WROUGHT IRON FENCE
	PROPOSED CONCRETE SILL
	PROPOSED BERM REVISIONS



ISSUED FOR PERMITTING ONLY	☐	DATE
ISSUED FOR BIDDING ONLY	☐	DATE
ISSUED FOR CONSTRUCTION	☒	5-23-07
ISSUED AS RECORD DRAWING	☐	DATE
NOT FOR CONSTRUCTION UNTIL SO NOTED		

REVISIONS			
NO.	DESCRIPTION	DATE	BY
2	REVISIONS PER COF	10-19-06	BP
3	REVISIONS PER COF	10-25-06	BP
4	REVISIONS PER COF	3-27-07	BP
5	REVISIONS PER COF	5-23-07	BP

SHEPARD - WESNITZER, INC.
CIVIL ENGINEERING AND SURVEYING
110 W. DALE AVE., SUITE 1, FLAGSTAFF, AZ 86001
(928) 773-0354

JOB NO:	04613
DATE:	SEPT 2006
SCALE:	NA
DRAWN:	BP
DESIGN:	FRP
CHECKED:	FRP

C.O.F. C.I.S. PROJECT # 03-03009

FLAGSTAFF
ARIZONA

**6TH AVENUE DETENTION BASIN
AND BMX PARK REVISIONS
COVER SHEET**

DRAWING NO.	CVR
SHT NO. OF	1 4
CVR.dwg	

GENERAL NOTES

1. APPROVAL OF THESE PLANS BY THE COUNTY ENGINEER IS FOR A ONE-YEAR PERIOD, SUBSEQUENT TO THE DATE OF APPROVAL. IF CONSTRUCTION WORK IS NOT STARTED WITHIN THE ONE-YEAR PERIOD, OR HAS BEEN DISCONTINUED FOR ANY REASON FOR LONGER THAN ONE YEAR, THE PLANS SHALL BE RESUBMITTED FOR REVIEW AND RE-APPROVAL.
2. PLAN REVIEW BY THE COUNTY DOES NOT EXTEND TO MATERIAL QUANTITIES SHOWN ON THE PLANS.
3. A PUBLIC WORKS PERMIT, ISSUED BY THE CITY, IS REQUIRED FOR ALL WORK IN CITY RIGHTS-OF-WAY OR EASEMENTS AND FOR CONSTRUCTION OF ANY IMPROVEMENTS INTENDED TO BECOME PUBLIC PROPERTY.
4. THE CITY SHALL BE NOTIFIED 24 HOURS PRIOR TO BEGINNING DIFFERENT PHASES OF CONSTRUCTION SO THAT CITY INSPECTORS MAY BE SCHEDULED.
5. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE CURRENT CITY OF FLAGSTAFF "ENGINEERING DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS", THE CURRENT "MAG UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION", THE CITY OF FLAGSTAFF STORMWATER DESIGN MANUAL, AND WITH GENERALLY ACCEPTED ENGINEERING DESIGN AND CONSTRUCTION PRACTICE. ALL WORK AND MATERIALS WHICH DO NOT CONFORM TO THE STANDARDS AND SPECIFICATIONS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
6. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE AND APPROVAL OF THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
7. THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE MAY SUSPEND THE WORK BY WRITTEN NOTICE WHEN, IN HIS JUDGMENT, PROGRESS IS UNSATISFACTORY, WORK BEING DONE IS UNAUTHORIZED OR DEFECTIVE, WEATHER CONDITIONS ARE UNSUITABLE, OR THERE IS DANGER TO THE PUBLIC HEALTH OR SAFETY.
8. THE CITY ENGINEER MAY ORDER ANY OR ALL MATERIALS USED IN THE WORK TO BE TESTED ACCORDING TO THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) AND THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) STANDARDS. THE CONTRACTOR SHALL, AT HIS EXPENSE, SUPPLY ALL SAMPLES REQUIRED FOR TESTING.
9. ACCESS WHICH MEETS SECTION 13-04-010, FIRE HYDRANTS, WATER MAINS, AND STREET NAME SIGNS SHALL BE IN PLACE AND APPROVED BEFORE AND AT ALL TIMES DURING ON-SITE COMBUSTIBLE CONSTRUCTION AND/OR PRIOR TO ISSUANCE OF BUILDING PERMITS IN NEW SUBDIVISIONS. FIRE DEPARTMENT AND ENGINEERING DIVISION APPROVAL IS REQUIRED FOR OBSTRUCTION OF ACCESS OR WATER SYSTEM SHUTDOWN.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE STREETS AND OF PARTIALLY COMPLETED PORTIONS OF THE WORK UNTIL FINAL ACCEPTANCE OF THE WORK. THE CONTRACTOR SHALL SUBMIT TO THE CITY ENGINEER FOR APPROVAL A CONSTRUCTION SCHEDULE FOR ANY STREETS REQUIRED TO BE CLOSED OR PARTIALLY CLOSED FOR THE CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL REOPEN THE STREETS NO LATER THAN THE OPENING DATE SHOWN ON THE CONSTRUCTION SCHEDULE OR UPON ORDER OF THE CITY ENGINEER. THE REGULATION AND CONTROL OF CONSTRUCTION TRAFFIC SHALL BE AS DIRECTED BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
11. APPROVAL OF A PORTION OF THE WORK IN PROGRESS DOES NOT GUARANTEE ITS FINAL ACCEPTANCE. TESTING AND EVALUATION MAY CONTINUE UNTIL WRITTEN FINAL ACCEPTANCE OF A COMPLETE WORKABLE UNIT. ANY DEFECTS WHICH APPEAR IN THE WORK WITHIN ONE YEAR FROM THE DATE OF ACCEPTANCE AND WHICH ARE DUE TO IMPROPER WORKMANSHIP OR INTERIOR MATERIALS SUPPLIED SHALL BE CORRECTED BY OR AT THE EXPENSE OF THE OWNER/DEVELOPER OR THE CONTRACTOR.
12. ACCEPTANCE OF COMPLETED PUBLIC IMPROVEMENTS WILL NOT BE GIVEN UNTIL DEFECTIVE OR UNAUTHORIZED WORK IS REMOVED, AND FINAL CLEAN-UP IS COMPLETE.
13. LOCATION OF UNDERGROUND UTILITIES BEFORE WORK IS BEGUN IS TO BE ACCOMPLISHED IN ACCORDANCE WITH ARS 40-380.22.
14. IF WORK IS DONE ON PRIVATE PROPERTY IN RELATION TO A PROJECT CONSTRUCTED UNDER THESE STANDARDS, THE CONTRACTOR WILL PROVIDE THE CITY WITH WRITTEN AUTHORIZATION FROM THE PROPERTY OWNER TO DO SO.
15. THE ESTABLISHMENT AND USE OF TEMPORARY CONSTRUCTION YARDS SHALL CONFORM TO THE CURRENT CITY LAND DEVELOPMENT CODE STANDARDS FOR "TEMPORARY USES".
16. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE CITY CODES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED CITY APPROVALS AND PERMITS, AS DEEMED NECESSARY BY THE CITY, TO DISPOSE OF EXCAVATED MATERIAL.
17. ALL CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR/DEVELOPER AND PERFORMED UNDER THE DIRECT SUPERVISION OF A REGISTERED LAND SURVEYOR OR CIVIL ENGINEER.

PAVING NOTES

1. EXACT POINT OF MATCHING TERMINATION AND OVERLAY, IF NECESSARY, SHALL BE DETERMINED IN THE FIELD BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
2. NO JOB WILL BE CONSIDERED COMPLETE UNTIL: A) ALL CURBS, PAVEMENTS, SIDEWALKS, CATCH BASINS, STORM DRAINS, AND MANHOLES HAVE BEEN CLEANED OF ALL DIRT AND DEBRIS; B) SURVEY MONUMENTS ARE INSTALLED AND STAMPED; AND C) ALL FRAMES, COVERS AND VALVE BOXES ARE ADJUSTED TO GRADE.
3. NO PAVING CONSTRUCTION SHALL BE STARTED UNTIL ALL UTILITY LINES ARE COMPLETED AND APPROVED UNDER PROPOSED PAVED AREAS.
4. BASE COURSE WILL NOT BE PLACED UNTIL SUBGRADE HAS BEEN APPROVED BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
5. THE LOCATION OF ALL WATER VALVES, FIRE HYDRANTS, AND MANHOLES MUST AT ALL TIMES DURING CONSTRUCTION BE REFERENCED AND MADE ACCESSIBLE TO THE CITY.
6. UTILITY FACILITIES IN CONFLICT WITH THIS WORK WILL BE RELOCATED BY THE PERMITTEE OR THE UTILITY OWNER. THIS ACTIVITY SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY TO PREVENT ANY UNNECESSARY INTERRUPTION OF SERVICE TO EXISTING CUSTOMERS.
7. EXISTING STREET NAME SIGNS, TRAFFIC SIGNS AND DEVICES ASSOCIATED WITH THE PROJECT SHALL BE MAINTAINED DURING CONSTRUCTION AND RELOCATED BY THE CONTRACTOR AS SHOWN ON THE APPROVED PLANS.
8. ANY CHANGES OR ADDITIONS TO PAVEMENT MARKINGS CAUSED BY PAVEMENT OVERLAY, CHIP SEAL OR INSTALLATION OF UNDERGROUND FACILITIES SHALL BE SHOWN ON THE APPROVED PLANS.
9. A CHIP SEAL IS REQUIRED ON ALL PUBLIC PAVING PROJECTS. ON PROJECTS WHERE THE CONTRACTOR CAUSES EXCESSIVE DAMAGE TO AN EXISTING PAVED STREET OR THERE ARE MULTIPLE STREET CUTS (MAXIMUM OF FOUR IN 500 FEET [152 METERS]) AN ASPHALT OVERLAY MAY BE REQUIRED.
10. A PRIME COAT IS NOT REQUIRED UNLESS SO SPECIFIED IN THE SOILS AND PAVEMENT REPORT AND/OR SHOWN ON THE PLANS.
11. ALL CURB AND GUTTER, SIDEWALK, DRIVEWAYS, AND SIDEWALK RAMPS SHALL BE CONSTRUCTED ON A MINIMUM 3 INCHES (80 MM) OF AGGREGATE BASE COURSE (ABC). THE ABC SHALL BE CONSTRUCTED PER MAG SECTION 310, AND SHALL BE COMPACTED TO 95% RELATIVE DENSITY.

WATER AND SEWER NOTES

1. ROUGH GRADING SHALL BE COMPLETED WITHIN ONE-TENTH (30 MM) OF A FOOT OF PLAN GRADE AND APPROVED BY THE CITY ENGINEER'S AUTHORIZED REPRESENTATIVES PRIOR TO INSTALLATION OF UNDERGROUND UTILITIES.
2. NO TRENCH SHALL BE FILLED WITH BEDDING MATERIAL OR BACKFILL UNTIL THE EXCAVATION AND PIPE LAYING, RESPECTIVELY, HAVE BEEN APPROVED BY THE CITY ENGINEER'S AUTHORIZED REPRESENTATIVE.
3. A WATER PRESSURE TEST IS REQUIRED OF ALL WATER LINES AND A HYDROSTATIC OR AIR TEST IS REQUIRED OF ALL SEWER LINES AND MANHOLES. TESTS ARE TO BE CONDUCTED AFTER BACKFILLING IS COMPLETE AND COMPACTED ON ALL PUBLIC AND/OR PRIVATE UNDERGROUND UTILITIES.
4. WATER AND SEWER SERVICE LINES ARE TO BE MARKED AS SHOWN ON THE STANDARD SERVICE DETAILS. NO SEWER SERVICE LINES ARE PERMITTED IN A MANHOLE EXCEPT FOR DEAD-END CUL-DE-SAC SITUATIONS (SEE SECTION 9-02-090).
5. WATER LINE DISINFECTION IS TO BE ACCOMPLISHED AS OUTLINED IN ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (A.D.E.Q.) "BULLETIN NO. 8."
6. WATER PIPE CLASSIFICATION SHALL BE CLASS 200 FOR A.W.W.A. C-900 PVC AND CLASS 350 FOR DUCTILE IRON UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER. C-900 SHALL CONFORM TO CAST-IRON-EQUIVALENT OUTSIDE DIAMETER AND HAVE ELASTOMERIC GASKETS AND COUPLINGS. ALL DUCTILE IRON PIPE LINES SHALL BE POLYETHYLENE ENCASED IN ACCORDANCE WITH MAG SPECIFICATIONS.
7. ALL MATERIALS THAT COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF STANDARD 61 INCLUDING GASKETS, LUBRICANTS, PIPE FITTINGS, VALVES, ETC. (NSF-PW SEAL) (R18-4-1199)
8. ALL PUBLIC SANITARY SEWER LINES AND PRIVATE SEWER SERVICE LINES WITHIN A PUBLIC UTILITY EASEMENT OR RIGHT-OF-WAY WILL BE INSPECTED PRIOR TO ACCEPTANCE BY THE CITY.
9. WATER AND SEWER MAINS SHALL BE SEPARATED IN ORDER TO PROTECT PUBLIC WATER SYSTEMS FROM POSSIBLE CONTAMINATION. ALL DISTANCES ARE MEASURED PERPENDICULARLY FROM THE OUTSIDE OF THE SEWER MAIN TO THE OUTSIDE OF THE WATER MAIN. SEPARATION REQUIREMENTS ARE AS FOLLOWS:
- A. A WATER MAIN SHALL NOT BE PLACED:
- (1) WITHIN SIX FEET (1.83 M), HORIZONTAL DISTANCE, AND LESS THAN TWO FEET (610 MM), VERTICAL DISTANCE, ABOVE THE TOP OF A SEWER MAIN UNLESS EXTRA PROTECTION IS PROVIDED. EXTRA PROTECTION SHALL CONSIST OF CONSTRUCTING THE SEWER MAIN WITH MECHANICAL JOINT DUCTILE IRON PIPE OR WITH SLIP-JOINT DUCTILE IRON PIPE IF JOINT RESTRAINT IS PROVIDED. ALTERNATE EXTRA PROTECTION SHALL CONSIST OF ENCASED BOTH THE WATER AND SEWER MAINS IN AT LEAST SIX INCHES (150 MM) OF CONCRETE FOR AT LEAST TEN FEET (3 M) BEYOND THE AREA COVERED BY THIS PARAGRAPH.
- (2) WITHIN TWO FEET (610 MM) HORIZONTALLY AND TWO FEET (610 MM) BELOW THE SEWER MAIN.
- B. NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF A SEWER MANHOLE. THE MINIMUM HORIZONTAL SEPARATION BETWEEN WATER MAINS AND MANHOLES SHALL BE SIX FEET (1.83 M), MEASURED FROM THE CENTER OF THE MANHOLE.
- C. THE MINIMUM SEPARATION BETWEEN FORCE MAINS OR PRESSURE SEWERS AND WATER MAINS SHALL BE TWO FEET (610 MM) VERTICALLY AND SIX FEET (1.83 M) HORIZONTALLY UNDER ALL CONDITIONS. WHERE A SEWER FORCE MAIN CROSSES ABOVE OR LESS THAN SIX FEET (1.83 M) BELOW A WATER LINE, THE SEWER MAINS SHALL BE ENCASED IN AT LEAST SIX INCHES (150 MM) OF CONCRETE OR CONSTRUCTED USING MECHANICAL JOINT DUCTILE IRON PIPE FOR TEN FEET (3 M) ON EITHER SIDE OF THE WATER MAIN.
- D. EVEN WHEN EXTRA PROTECTION IS UTILIZED, THE MINIMUM CLEARANCE BETWEEN WATER AND SEWER SHALL BE ONE FOOT (1').
- E. THE SEPARATION REQUIREMENTS DO NOT APPLY TO BUILDING, PLUMBING, OR INDIVIDUAL HOUSE SERVICE CONNECTIONS.
10. WHEN HYDROSTATIC TESTING IS PERFORMED, SEWER LINES SHALL BE TESTED FOR INFILTRATION/EXFILTRATION PER A.D.E.Q. ENGINEERING BULLETIN NO. 11. MANHOLES SHALL BE TESTED BY FILLING THE MANHOLE WITH WATER. THE APPLICANT SHALL ENSURE THAT THE DROP IN WATER LEVEL DOES NOT EXCEED 0.001 OF THE TOTAL MANHOLE VOLUME IN ONE HOUR.
- WHEN AIR TESTING IS PERFORMED, SEWER LINES SHALL BE TESTED IN ACCORDANCE WITH ASTM F 1417-92 (REAPPROVED 1998). MANHOLES SHALL BE TESTED IN ACCORDANCE WITH ASTM STANDARD C1244-93.
11. SEWER PIPE SHALL BE SDR 35, ASTM D3034 OF PVC PIPE, OR CLASS 350 DIP COAL TAR EPOXY LINED, CEMENT MORTAR LINED OR HDPE ASTM F894. ALL DUCTILE IRON PIPE LINES SHALL BE POLYETHYLENE ENCASED IN ACCORDANCE WITH MAG SPECIFICATIONS.
12. NO WATER SETTLING OF TRENCH FILL MATERIAL IS ALLOWED.
13. ALL WATER AND SEWER DESIGN AND CONSTRUCTION SHALL CONFORM TO THE CURRENT ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (A.D.E.Q.) REQUIREMENTS. WHEN A.D.E.Q. REQUIREMENTS ARE IN CONFLICT WITH THESE STANDARDS, THE MORE RESTRICTIVE SHALL APPLY.
14. TRACER WIRES AND TAPES SHALL BE INSTALLED PRIOR TO TESTING THE WATER OR SEWER MAIN AS REQUIRED BY C.O.F. STANDARDS SECTION 9-01-020.
15. WATER VALVES SHALL BE ADJUSTED PER C.O.F DETAIL NO. 9-03-050 AND MANHOLES SHALL BE ADJUSTED PER C.O.F DETAIL NO. 9-03-052.

GRADING AND DRAINAGE NOTE:

*ADEQUATE DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES, BEST MANAGEMENT PRACTICES, AND/OR OTHER STORMWATER MANAGEMENT FACILITIES SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY AND/OR THE CONSTRUCTION SITE CAUSED BY CONTRACTOR'S PROPERTY OR PROPERTY OWNER'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR PROPERTY OWNER.

SHEPHARD-WESNITZER GENERAL NOTES

PROJECT SPECIFICATIONS
ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING STANDARDS AND SPECIFICATIONS, AND ANY SPECIAL PROVISIONS PREPARED FOR THE PROJECT. THE TERM "CURRENT" MEANS THE DATE OF THE SPECIFICATIONS IN EFFECT AS OF THE DATE OF THE ENGINEERS SEAL ON THESE PLANS.

MARICOPA ASSOCIATION OF GOVERNMENTS (M.A.G.) UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION, AS MODIFIED BY THE CITY OF FLAGSTAFF.
CITY OF FLAGSTAFF ENGINEERING DESIGN AND CONSTRUCTION STANDARDS & SPECIFICATIONS
AMERICAN WATER WORKS ASSOCIATION STANDARDS
ARIZONA ADMINISTRATIVE CODE
UNIFORM PLUMBING CODE (UPC)
UNIFORM BUILDING CODE (UBC)

THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS ARE REQUIRED TO OBTAIN COPIES OF THESE, AS WELL AS ANY OTHER STANDARDS OR SPECIFICATIONS REQUIRED TO SUCCESSFULLY COMPLETE THE WORK AS DESCRIBED IN THESE PLANS AND/OR ANY SPECIAL PROVISIONS PREPARED FOR THE PROJECT. THIS REQUIREMENT EXTENDS TO ANY STANDARDS, DETAILS, OR SPECIFICATIONS REFERENCED BY THE CONSTRUCTION DOCUMENTS AND NOT INCLUDED IN THE LIST ABOVE.

QUANTITY ESTIMATE AND PAYMENT PROVISIONS:
IF ANY MATERIAL QUANTITIES ARE SHOWN ON THESE PLANS, THEY ARE TO BE CONSIDERED AS APPROXIMATE ONLY AND ARE FURNISHED AS A CONVENIENCE TO THE CONTRACTOR IN EVALUATING THE MAGNITUDE OF THE PROJECT SCOPE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACTUAL QUANTITIES OF WORK REQUIRED AND BASE HIS BID ON HIS OWN INDEPENDENT ESTIMATE OF THE WORK SCOPE AND QUANTITIES OF MATERIALS REQUIRED.

THE ESTIMATED QUANTITIES MAY NOT DIRECTLY CORRESPOND TO A BID SCHEDULE/SCHEDULE OF VALUES INCLUDED IN THE CONTRACT DOCUMENTS. PAYMENT FOR ANY WORK ACCOMPLISHED SHALL BE IN ACCORDANCE WITH THE PAYMENT PROVISIONS OUTLINED IN THE CONTRACT DOCUMENTS.

UTILITY COORDINATION
THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY FOR COORDINATING ALL UTILITY RELOCATIONS, VALVE BOX/MANHOLE OR OTHER SURFACE APPURTENANCE ADJUSTMENTS, RESOLUTION OF UTILITY CONFLICTS, OBTAINING NECESSARY PERMITS, SCHEDULING BLUE STAKE, CONDUCTING EXPLORATORY EXCAVATIONS IN ADVANCE OF UTILITY INSTALLATION, GENERAL CONFORMANCE TO UTILITY AGENCY REQUIREMENTS AND SPECIFICATIONS FOR CONDUCTING THE WORK.

THE CONTRACTOR IS SPECIFICALLY ADVISED TO EXAMINE THE SITE FOR EVIDENCE OF AND CONFLICTS WITH EXISTING UTILITIES PRIOR TO SUBMITTING HIS BID. EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS IN THEIR APPROXIMATE LOCATIONS BASED ON FIELD OBSERVATIONS AND INFORMATION PROVIDED. THERE IS NO GUARANTEE THAT ALL UTILITY CONFLICTS HAVE BEEN IDENTIFIED. AT THE TIME OF CONSTRUCTION, THE EXACT SIZES, TYPES, AND LOCATIONS OF EXISTING UNDERGROUND IMPROVEMENTS SHALL BE DETERMINED BY THE CONTRACTOR AND HE SHALL FURNISH MATERIALS AS NECESSARY TO CONSTRUCT THE REQUIRED CONNECTIONS.

THE CONTRACTOR SHALL PERFORM ALL NECESSARY POTHOLES AND UTILITY LOCATING AT LEAST TWO WEEKS IN ADVANCE OF ALL UNDERGROUND UTILITY WORK TO ENSURE EXPEDIENT COMPLETION OF THE WORK IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. LOCATING EXISTING UTILITIES FOR THE PURPOSE OF IDENTIFYING CONFLICTS IN ADVANCE OF THE UTILITY RELOCATIONS IS AN IMPORTANT ELEMENT OF THE PROJECT. FAILURE OF THE CONTRACTOR TO LOCATE EXISTING UTILITIES AT LEAST TWO WEEKS IN ADVANCE OF THE CONSTRUCTION ACTIVITIES WILL DIMINISH HIS ABILITY TO MAKE A CLAIM FOR DELAYS FOR UTILITY RELOCATIONS.

ALL FRAMES, COVERS AND VALVE BOXES IN THE CONSTRUCTION AREA SHALL BE ADJUSTED TO FINAL FINISH GRADES, WHETHER INDICATED ON THE PLANS OR NOT. ANY NECESSARY ADJUSTMENTS WHICH ARE NOT SEPARATELY ITEMIZED IN THE BID SCHEDULE SHALL BE CONSIDERED INCIDENTAL TO THE WORK.

THE APPROPRIATE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. CITY "BLUE STAKE" NUMBER IS 1-800-STAKE-IT. CONTRACTOR SHALL ALLOW TWO WORKING DAYS AFTER "BLUE STAKE" IS NOTIFIED, BEFORE COMMENCING ANY EXCAVATION WORK IN PROXIMITY OF BURIED UTILITIES.

AT LEAST TWO WORKING DAYS PRIOR NOTICE IS REQUIRED BEFORE DISRUPTING EXISTING UTILITY SERVICES TO MAKE CONNECTIONS. THE NOTICE MUST INCLUDE THE EXACT TIME OF THE DISRUPTION OF SERVICE AND THE EXPECTED DURATION OF THE LOSS OF SERVICE. THE NOTICE SHALL BE FURNISHED TO THE OWNER OR OTHERS AS SPECIFIED IN THE CONTRACT DOCUMENTS.

MISCELLANEOUS:

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING WHAT PERMITS WILL BE REQUIRED FOR THE WORK AND FOR OBTAINING, AT HIS OWN EXPENSE, ALL PERMITS REQUIRED.

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CONSTRUCTION STAKING AT HIS OWN EXPENSE.

THE OWNER OR HIS REPRESENTATIVE MAY ORDER ANY OR ALL MATERIALS USED IN THE WORK TO BE TESTED ACCORDING TO APPLICABLE STANDARDS. THE CONTRACTOR SHALL, AT HIS EXPENSE, SUPPLY ALL SAMPLES REQUIRED FOR TESTING.

REMOVAL OF STRUCTURES AND OBSTRUCTIONS AS NECESSARY TO COMPLETE THE WORK, OTHER THAN SPECIFICALLY SCHEDULED IN THE BID, IS INCIDENTAL TO THE CONTRACT. NO SEPARATE MEASUREMENT OF, OR PAYMENT FOR, UNSCHEDULED REMOVAL ITEMS WILL BE MADE.

NO PAVING CONSTRUCTION SHALL BEGIN UNTIL ALL UTILITY LINES OR OTHER CONSTRUCTION UNDER PROPOSED PAVING AREAS HAS BEEN COMPLETED.

MATERIALS
WHERE NO OTHER REFERENCES ARE MADE IN THE PLANS, SPECIFICATIONS, OR SPECIAL PROVISIONS, THE FOLLOWING GENERAL MATERIALS STANDARDS SHALL APPLY. WATER AND SEWER CONSTRUCTION SHALL BE TESTED IN ACCORDANCE WITH AWWA AND ADEQ MINIMUM STANDARDS. ALL MATERIALS/DESIGNS INCORPORATED INTO THE WORK MUST BE SUBMITTED FOR APPROVAL TO THE OWNER 14 DAYS PRIOR TO CONSTRUCTION.

ALL PLASTIC PIPING COMPONENTS AND RELATED MATERIALS USED FOR POTABLE WATER APPLICATIONS SHALL CONFORM TO NATIONAL SANITATION FOUNDATION (NSF) SPECIFICATIONS AND BEAR THE APPROPRIATE MARKING.

PAVEMENT MARKINGS AND SIGNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ADOT AND M.U.T.C.D. STANDARDS.

ALL ELEVATIONS SHOWN ON THE PLANS ARE FINISHED SURFACE ELEVATION (EXCEPT AS NOTED).

NO TREES MAY BE REMOVED BEFORE FIELD REVIEW AND AUTHORIZATION OF THE ENGINEER AND THE CITY OF FLAGSTAFF'S PROJECT PLANNER.

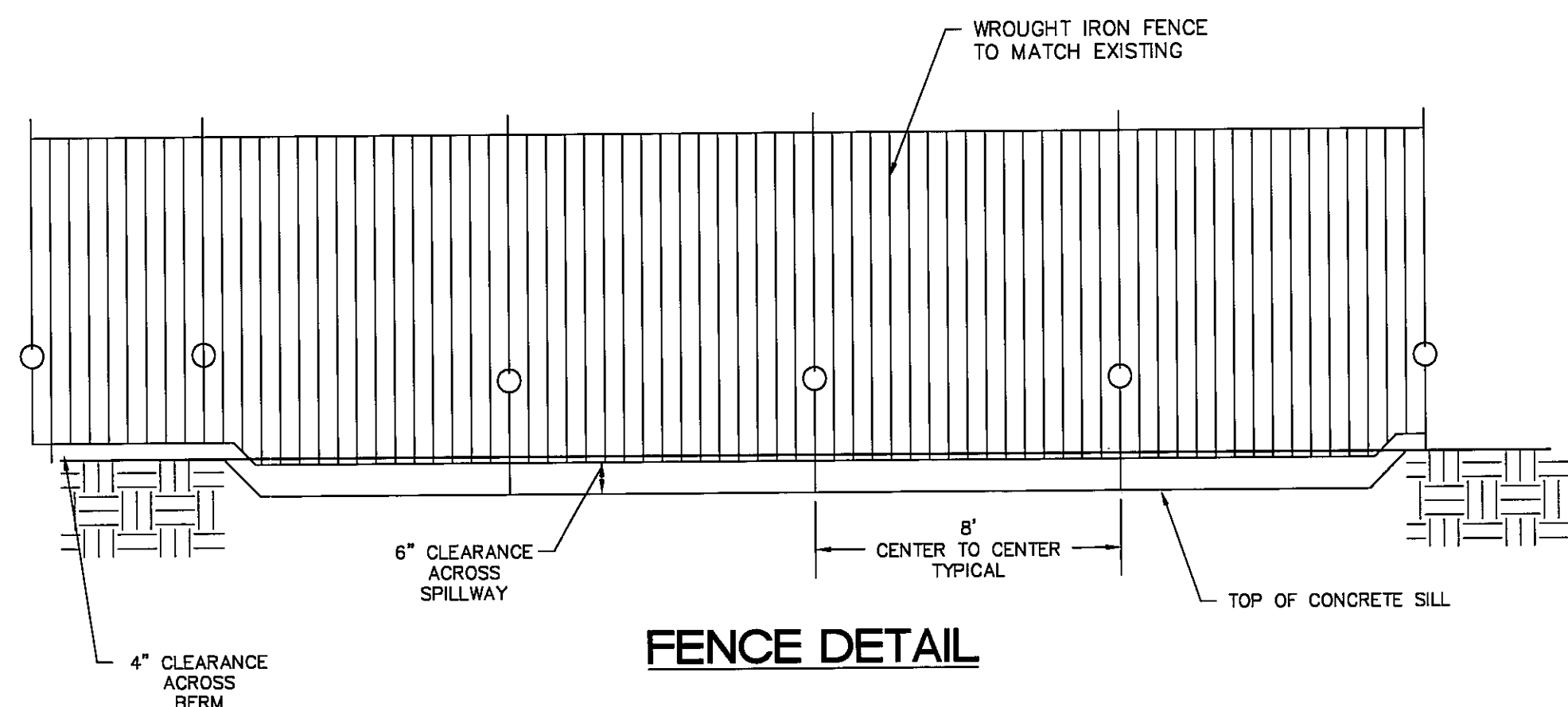
THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL EXISTING OPERATIONS INCLUDING DELIVERY OF MAIL, GARBAGE PICK UP, EMERGENCY ACCESS AND ACCESS TO PRIVATE PROPERTY AT ALL TIMES DURING THE WORK. THE CONTRACTOR SHALL ALSO TAKE SPECIAL CARE TO CONTROL CONSTRUCTION RELATED DUST AND NOISE AND TO KEEP THE PROJECT SITE CLEANED UP TO THE GREATEST EXTENT POSSIBLE. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE ALTERNATE MEASURES FOR ANY IMPACTED OPERATIONS AS MENTIONED WHICH ARE ACCEPTABLE TO THE PARTIES INVOLVED.

C.O.F. GRADING AND DRAINAGE NOTE:

*ADEQUATE DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES, BEST MANAGEMENT PRACTICES, AND/OR OTHER STORMWATER MANAGEMENT FACILITIES SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY CONTRACTOR'S PROPERTY OR PROPERTY OWNER'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ALL WORK ON THIS PROJECT SHALL BE IN CONFORMANCE WITH THE SPECIFICATIONS FOR THE "6TH AVENUE DETENTION BASIN", SEALED 3-15-05.

		ISSUED FOR PERMITTING ONLY ☐ DATE _____	<table><tr><th colspan="3">REVISIONS</th></tr><tr><th>NO.</th><th>DESCRIPTION</th><th>DATE</th><th>BY</th></tr><tr><td>2</td><td>REVISIONS PER COF</td><td>10-19-06</td><td>BP</td></tr><tr><td>3</td><td>REVISIONS PER COF</td><td>10-25-06</td><td>BP</td></tr><tr><td>4</td><td>REVISIONS PER COF</td><td>3-27-07</td><td>BP</td></tr><tr><td>5</td><td>REVISIONS PER COF</td><td>5-15-07</td><td>BP</td></tr></table>	REVISIONS			NO.	DESCRIPTION	DATE	BY	2	REVISIONS PER COF	10-19-06	BP	3	REVISIONS PER COF	10-25-06	BP	4	REVISIONS PER COF	3-27-07	BP	5	REVISIONS PER COF	5-15-07	BP	
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SHEPHARD - WESNITZER, INC. CIVIL ENGINEERING AND SURVEYING 110 W. DALE AVE., SUITE 1, FLAGSTAFF, AZ 86001 (928) 773-0354		<table><tr><td>JOB NO:</td><td>04613</td></tr><tr><td>DATE:</td><td>SEPT 2006</td></tr><tr><td>SCALE:</td><td>NA</td></tr><tr><td>DRAWN:</td><td>BP</td></tr><tr><td>DESIGN:</td><td>FRP</td></tr><tr><td>CHECKED:</td><td>FRP</td></tr></table>	JOB NO:	04613	DATE:	SEPT 2006	SCALE:	NA	DRAWN:	BP	DESIGN:	FRP	CHECKED:	FRP	<table><tr><td colspan="2">C.O.F. C.I.S. PROJECT # 03-03009</td><td>FLAGSTAFF ARIZONA</td><td>DRAWING NO. DT01</td></tr><tr><td colspan="3">6TH AVENUE DETENTION BASIN AND BMX PARK REVISIONS NOTES SHEET</td><td>SHT NO. OF 2 4</td></tr><tr><td colspan="3"></td><td>DT01.dwg</td></tr></table>	C.O.F. C.I.S. PROJECT # 03-03009		FLAGSTAFF ARIZONA	DRAWING NO. DT01	6TH AVENUE DETENTION BASIN AND BMX PARK REVISIONS NOTES SHEET			SHT NO. OF 2 4				DT01.dwg
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			DT01.dwg																								



FENCE DETAIL

NOTE:
1-CONTRACTOR TO VERIFY COMPACTION AT BOTTOM OF CONCRETE SILL PRIOR TO CONSTRUCTING SILL.
2-CONTRACTOR TO HAVE HIS SURVEYOR VERIFY TOP OF FORM IS AT CORRECT ELEVATION PRIOR TO POURING CONCRETE.

CONTRACTOR TO GET APPROVAL OF METHOD OF ATTACHING WROUGHT IRON FENCE TO CONCRETE SILL WITH ENGINEER PRIOR TO CONSTRUCTION OF CONCRETE SILL.

NOTE:
1-CONTRACTOR TO VERIFY COMPACTION OF BERM WITH TWO COMPACTION TESTS PER LIFT MEETING THE REQUIREMENTS OF MAG STD SPEC SECTION 211.3.

RESEED SLOPES PER PLANTING PLANS

TOP OF BERM ELEVATION 6891.8

8" THICK CONCRETE SILL CONSTRUCTED PER SPECIFICATIONS FOR TYPE "B" SINGLE CURB, MAG STD DTL 222.

TOP OF SILL AND WEIR ELEVATION 6890.9

ATTACH "PYRAMAT HP" TO CONCRETE SILL. PER DETAIL THIS SHEET TYPICAL EACH SIDE OF SILL.

"PYRAMAT HP" TURF REINFORCEMENT MATS W/1" TOP SOIL LIGHTLY COMPACTED AND HYDRO-SEEDING PER MIX SPECIFICATION THIS SHEET

RESEED SLOPES PER PLANTING PLANS

6th AVE

EARTH BERM COMPACTED TO 95% STANDARD PROCTOR

SECTION A-A
NTS

NOTE:
CONTACT JEFF COLLINS @ CONTECH 951-683-2898 FOR PYRAMAT INSTALLATION AND SEEDING INFORMATION

(A) BERM DETAIL
NTS

RESEED TOP OF WEIR PER PLANTING PLANS

END OF WEIR ELEVATION=6891.8

3:1 SIDE SLOPES

CENTERLINE OF WEIR ELEVATION=6890.9

3:1 SIDE SLOPES

END OF WEIR ELEVATION=6891.8

LIMIT OF CONCRETE SILL

125'

SECTION B-B
NTS

125'

LIMIT OF CONCRETE SILL

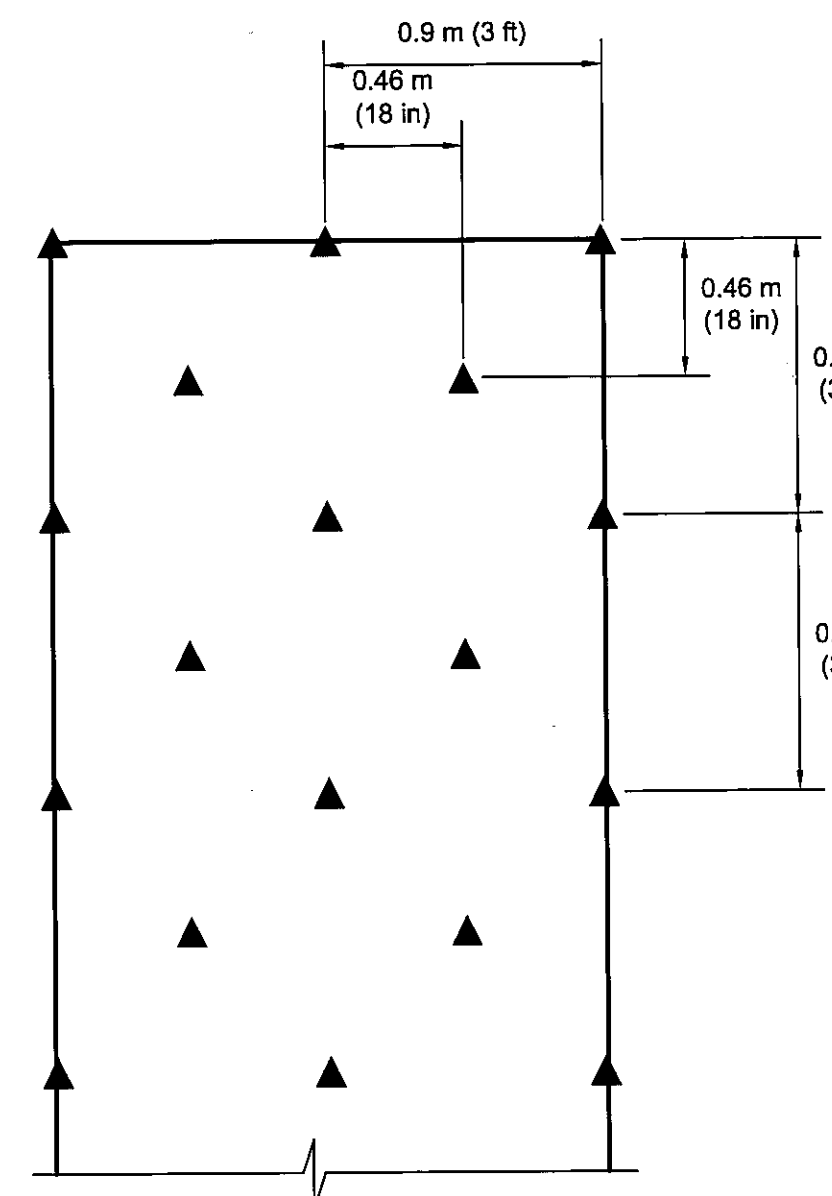
(B) OVERFLOW WEIR DETAIL
NTS

PERCENT PASSING	SIZE	D-50 CLASS RIPRAP, INCHES										
		2	4	6	9	12	18	24	30	36	48	60
100 to 90	2.0 D-50	4	8	12	16	24	36	48	60	72		
85 to 70	1.5 D-50	3	6	9	12	18	27	36	45	54		
50 to 30	1.0 D-50	2	4	6	9	12	18	24	30	36		
15 to 5	0.67 D-50	1	2	4	5	8	12	16	20	24		
5 to 0	0.33 D-50	.5	1	2	3	4	6	8	10	12		

D-50=9"

GRADATION TABLE FOR ALL RIP-RAP

OPERATION + MAINTENANCE REQUIREMENTS
1-MAINTAIN ONE INCH MINIMUM TOP SOIL COVER OVER "PYRAMAT" PER MANUFACTURER'S RECOMMENDATIONS.
2-IRRIGATE AS NEEDED TO KEEP SOIL MOIST FOR PROPER GROWTH OF HYDROSEED.
3-FILL IN ANY AREAS THAT HAVE BEEN DISTURBED BY PEDESTRIANS OR BIKE RIDERS TO MAINTAIN COVER ON SLOPES.
4-WHEN GROWTH AND COVER IS COMPLETE NO FURTHER CARE IS NEEDED, WITH THE EXCEPTION OF MAINTAINING INTERIOR SLOPE DAMAGE RESULTING FROM BICYCLE IMPACTS.

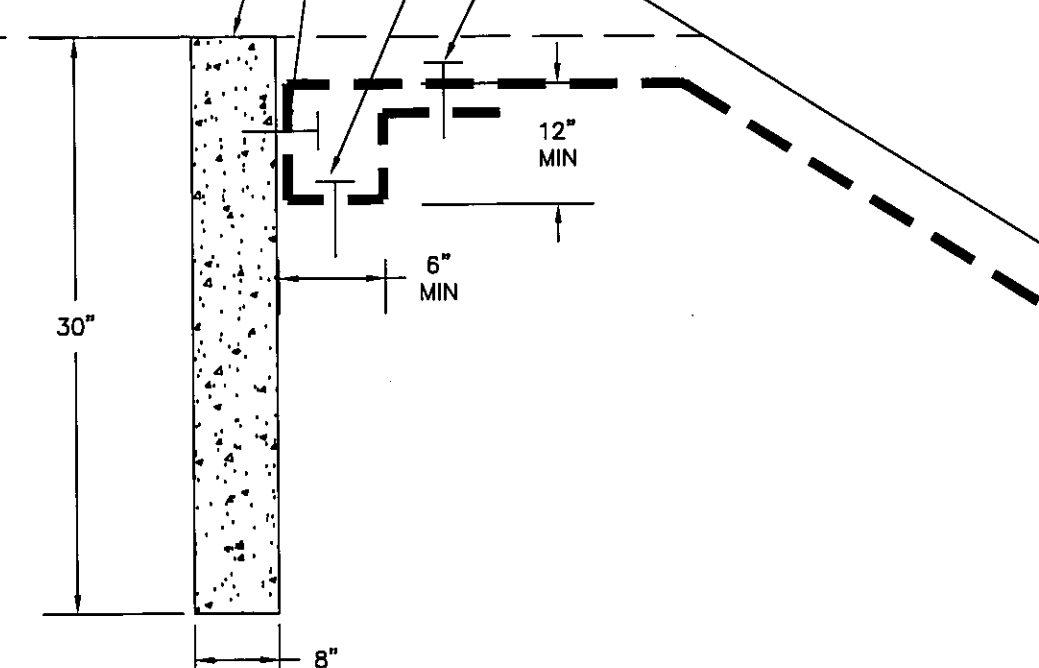


ANCHOR PATTERN FOR SLOPES
NTS

TOP OF SILL AND WEIR ELEVATION 6890.9

HILTI TYPE FASTENER-CONTRACTOR TO SUPPLY ENGINEER WITH SPECIFICATION PRIOR TO CONSTRUCTION

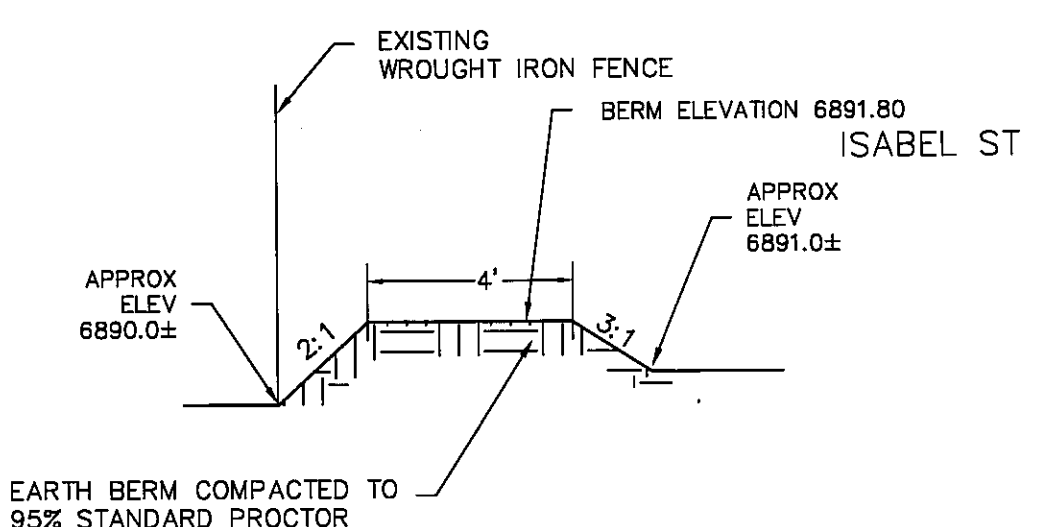
ANCHORS PER MATERIAL MANUFACTURER REQUIREMENTS



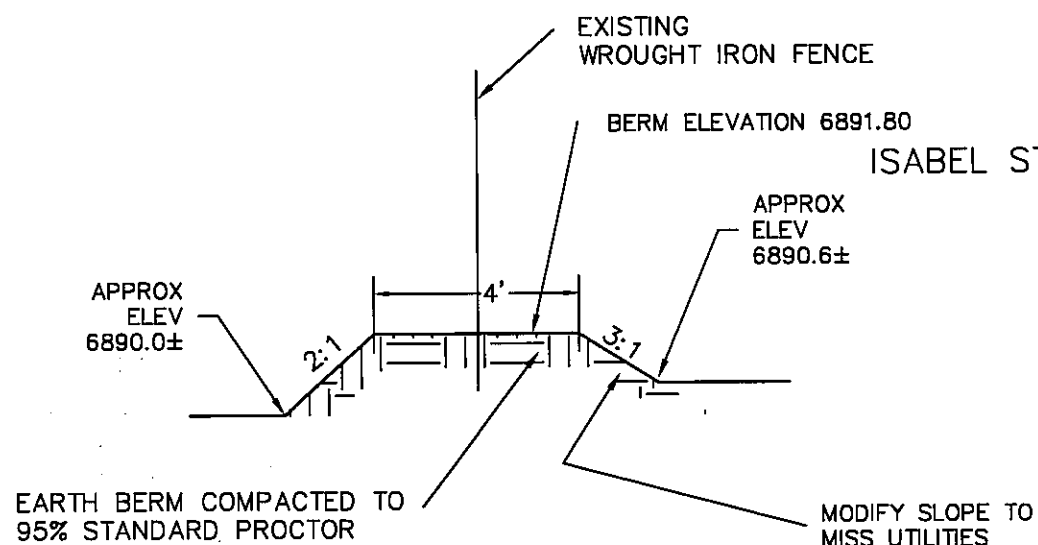
ANCHOR DETAIL FOR CONCRETE SILL
NTS

KEY	BOTANICAL NAME/COMMON NAME	SIZE
HYD	Hydroseed mix	¾ seed
	Poa fendleriana / Multigrass	10
	Festuca arizonica / Arizona Fescue	18
	Koeleria macrantha / Junegrass	7
	Bouteloua gracilis / Blue Grama	15
	Sitona hystrix / Bottlebrush Squirreltail	10
	Schizachyrium scoparium / Little Bluestem	6
	Linum perenne v. Lewisii / Blue Flax	12
	Giliastris cristata / NON	4
	Penstemon virgatus / Wand Beardtongue	4
	Vicia americana / American Vetch	6
	Viguiera multiflora / Showy Goldeneye	6
	Ipomopsis aggregata / Scarlet Gilia	1
	Artemisia ludoviciana / Prairie Sage	1

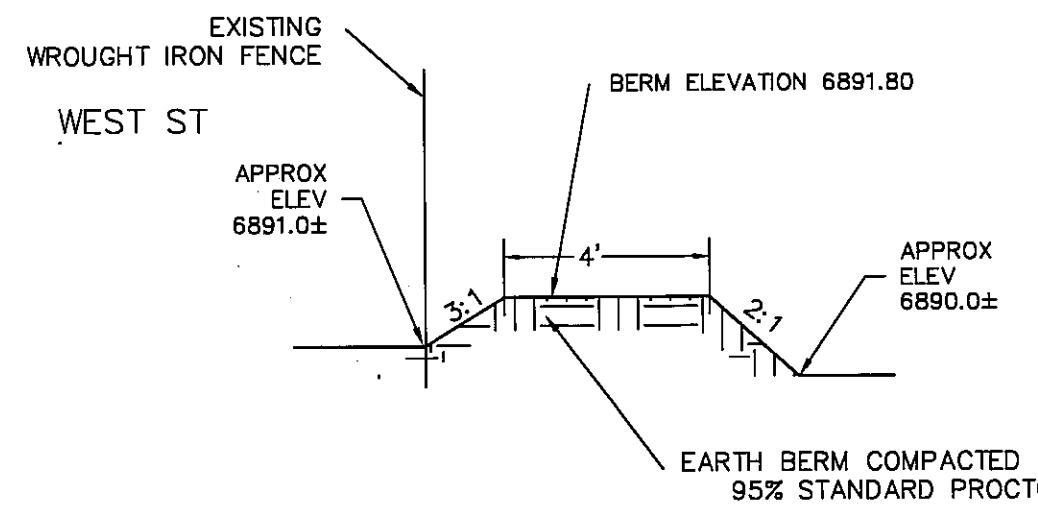
SEED MIX



SECTION E-E
NTS



SECTION D-D
NTS



SECTION C-C
NTS

PROJECT BENCHMARK
THE PROJECT BENCHMARK FOR THIS PROJECT IS A FOUND BRASS CAPPED MONUMENT AT THE SOUTH QUARTER CORNER OF SECTION 11, CITY OF FLAGSTAFF BENCHMARK; POINT #1721200, BRASS CAP, EL= 6890.25 (NGVD 29).

CALL TWO WORKING DAYS BEFORE YOU DIG
1-800-STAKE-IT



ISSUED FOR PERMITTING ONLY ☐ DATE
ISSUED FOR BIDDING ONLY ☐ DATE
ISSUED FOR CONSTRUCTION ☒ 5-23-07
ISSUED AS RECORD DRAWING ☐ DATE
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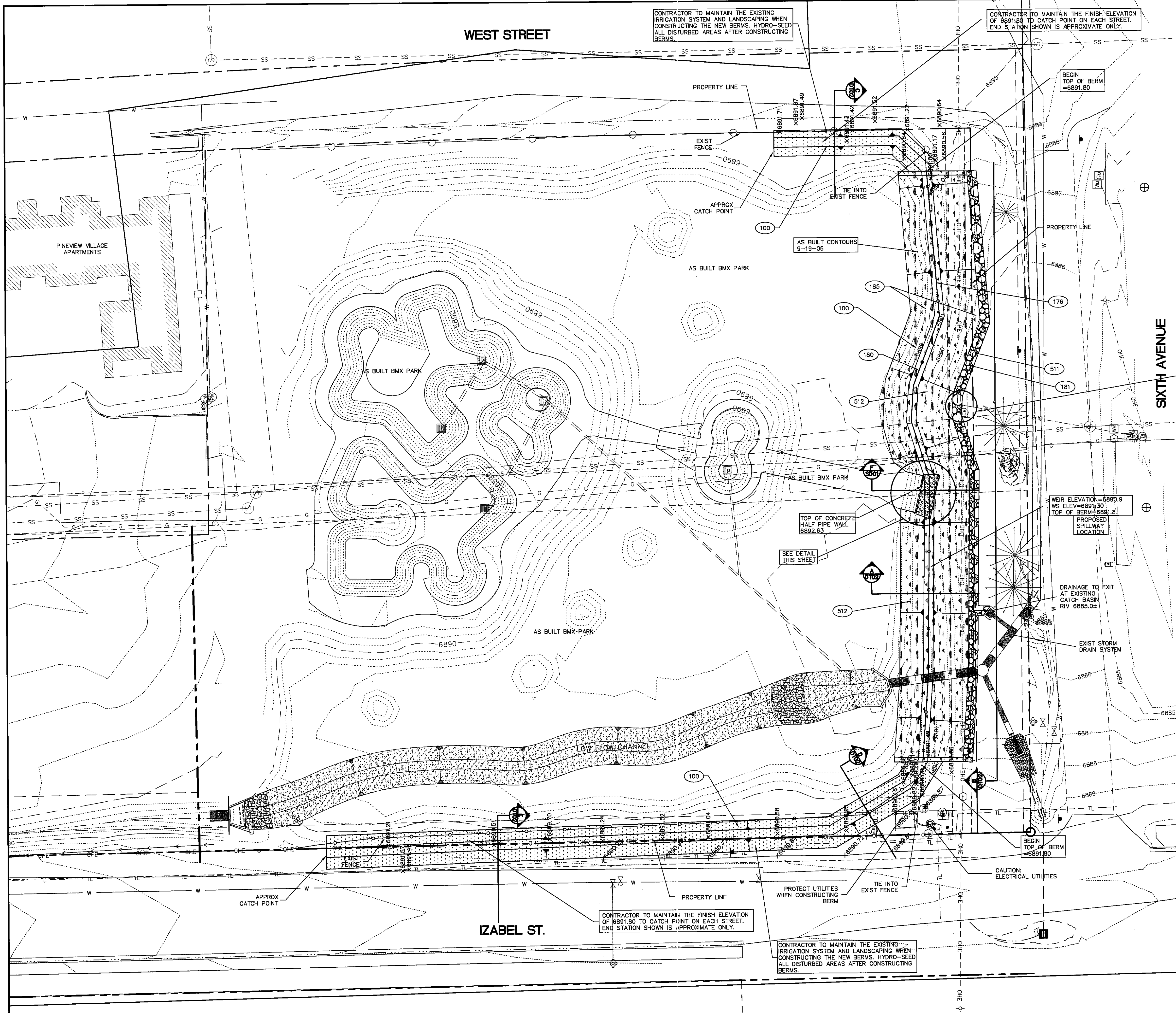
REVISIONS			
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2	REVISIONS PER COF	10-19-06	BP
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SHEPHARD - WESNITZER, INC.
CIVIL ENGINEERING AND SURVEYING
110 W. DALE AVE., SUITE 1, FLAGSTAFF, AZ 86001
(928) 773-0354

JOB NO: 04613
DATE: SEPT 2006
SCALE: NA
DRAWN: BP
DESIGN: FRP
CHECKED: FRP

C.O.F. C.I.D. PROJECT # 03-03009
FLAGSTAFF ARIZONA
**6TH AVENUE DETENTION BASIN AND BMX PARK
REVISED SPILLWAY PLAN + PARK IMPROVEMENTS
NOTES AND DETAILS**

DRAWING NO. **DT02**
SHT NO. OF **3** OF **4**
DT02.dwg



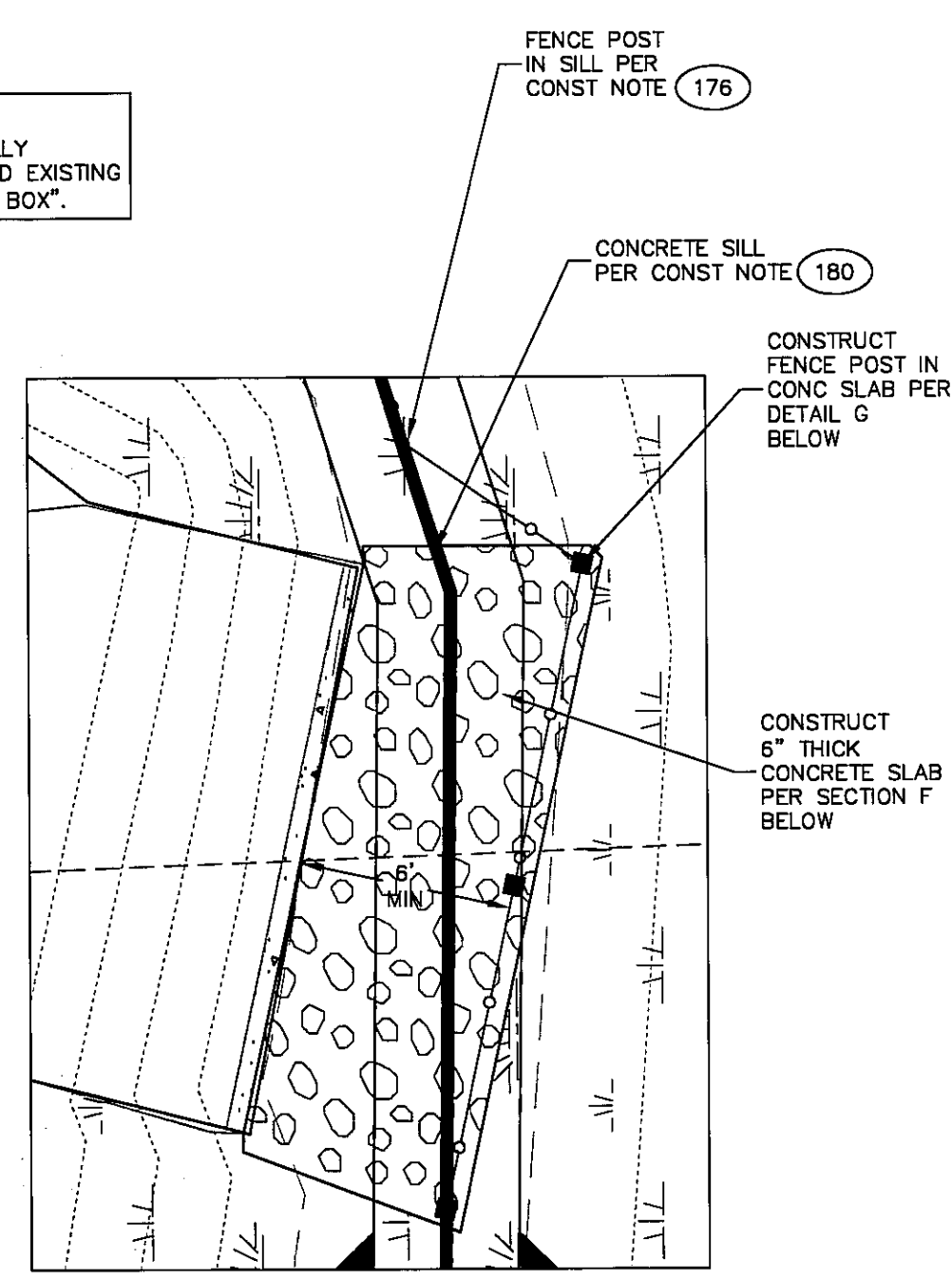
CONSTRUCTION NOTES

- (100) (1 L.S.) EARTH WORK REQUIRED TO CONSTRUCT BERM, SPILLWAY AND BERM TIE-INS TO ELEV 6891.80 AS SHOWN ON THE PLANS AND DETAILS.
- (176) (270 L.F.) INSTALL WROUGHT IRON FENCE TO MATCH EXISTING TIE INTO EXISTING AS SHOWN
- (180) (255 L.F.) INSTALL CONCRETE SILL PER DETAIL A ON DWG D102.
- (181) (255 L.F.) CONSTRUCT DRAINAGE DITCH AT BOTTOM OF BERM PER DETAIL SHEET D102.
- (185) (6,500 S.F.) INSTALL "PYRAMAT" TURF REINFORCEMENT MAT PER MANUFACTURERS RECOMMENDATIONS AND DETAILS ON DWG D102.
- (511) (60 C.Y.) INSTALL ROCK RIPRAP D50=9" IN DRAIN DITCH PER RIPRAP CHART SHEET D102
- (512) (7500 S.F.) SPRAY HYDROSEED ON SPILLWAY SLOPES PER SEED MIX ON DWG D102.

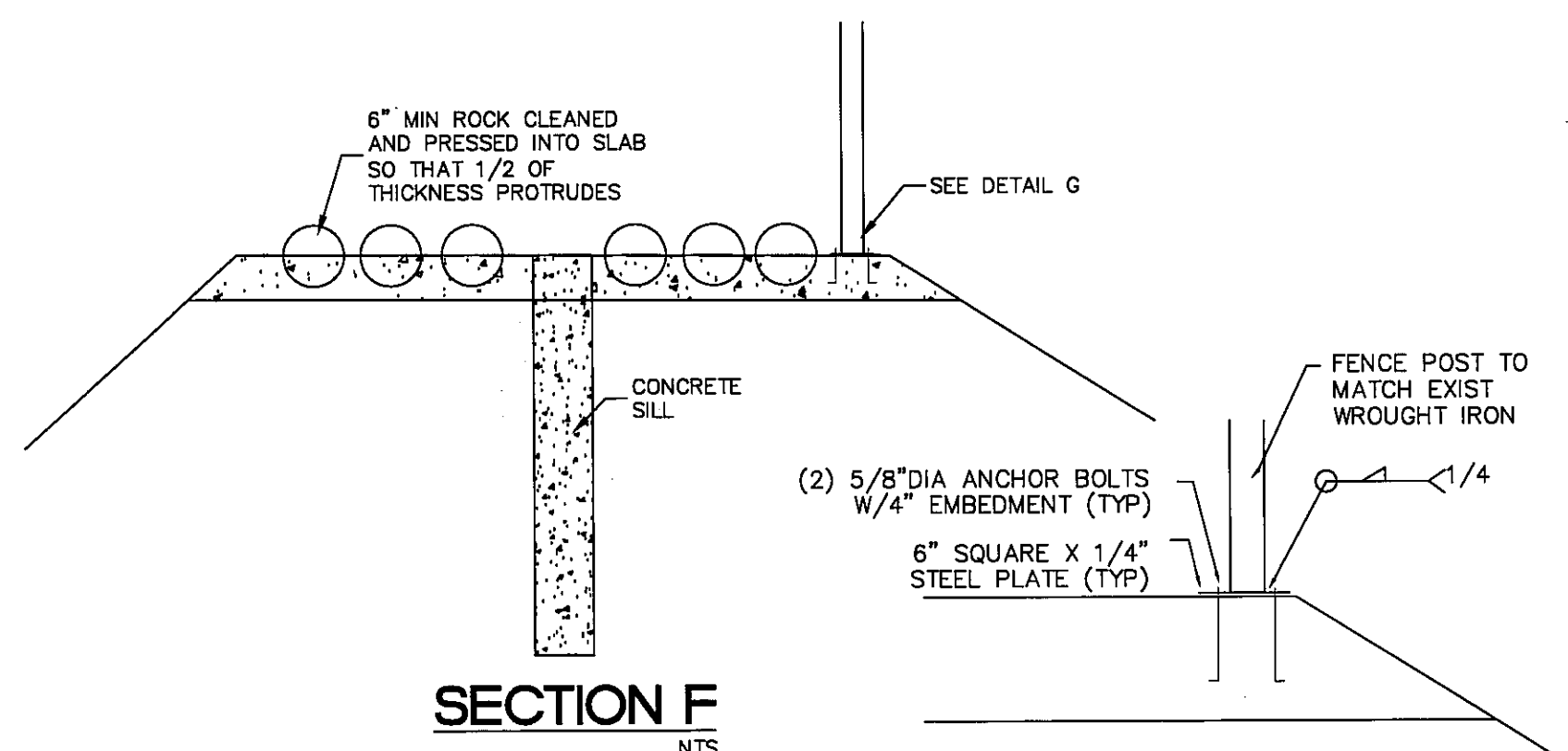
LEGEND

- X6890.93 DENOTES TOPO TAKEN 9-09-06
- [Symbol] DENOTES PYRAMAT AND SEEDING AREAS
- [Symbol] DENOTES RIP-RAP DRAIN
- [Symbol] DENOTES BERMS TO REGRADE
- [Symbol] DENOTES PROPOSED CONCRETE SILL
- [Symbol] DENOTES PROPOSED FENCING

CAUTION:
CONTRACTOR TO CAREFULLY
CONSTRUCT DITCH AROUND EXISTING
"N.P.G. BATTERY BACKUP BOX".



DETAIL F
NTS

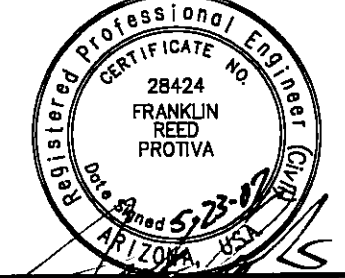


SECTION F
NTS

DETAIL G
N.T.S.

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6TH AVENUE DETENTION BASIN AND BMX PARK
REVISED SPILLWAY PLAN
AND PARK IMPROVEMENTS

DRAWING NO.
SD01
SHT NO. OF
4 OF 4
SD01.dwg

SHEET INDEX

COVER SHEET	C1
NOTES & DETAILS SHEET	C2
REMOVALS PLAN	C3
GRADING AND DRAINAGE PLAN	C4
CONSTRUCTION CONTROL PLAN	C5
EROSION CONTROL PLAN	C6
IRRIGATION PLAN	L1
IRRIGATION DETAILS	L2
IRRIGATION DETAILS	L3
PLANTING PLAN	L4
PLANTING DETAILS	L5

QUANTITIES

REMOVALS AND ADJUSTMENTS

REMOVE AND DISPOSE OF EXISTING CONCRETE (NOTE 100)	655	SF
REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER (NOTE 101)	135	LF
REMOVE AND SALVAGE EXISTING FENCE (NOTE 102)	320	LF
REMOVE AND DISPOSE OF EXISTING ASPHALT (NOTE 103)	160	SY
REMOVE AND SALVAGE EXISTING SIGN (NOTE 104)	1	EA
RELOCATE EXISTING BOULDER (NOTE 105)	1	EA
TREE PROTECTION FENCE (NOTE 106)	3	EA
CUT, CAP, AND ABANDON DRAINAGE RISERS AND CLEANOUTS (NOTE 107)	2	EA
ADJUST UTILITY BOXES TO FINISH GRADE (NOTE 120)	2	EA
ADJUST EXISTING METER BOXES TO FINISH GRADE (NOTE 121)	2	EA
NON-ITEMIZED REMOVALS (NOTE 150)	1	LS

SITE CONSTRUCTION

NEW 3" AC MILLINGS OVER 6" ABC OVER 12" OF SUBGRADE (NOTE 200)	960	SY
NEW 4" CLASS A, 3000 PSI CONCRETE SIDEWALK (NOTE 201)	2,440	SF
NEW 6" THICK CLASS AA, 4000 PSI CONCRETE WITH FIBERMESH REINFORCEMENT (NOTE 202)	545	SF
NEW TYPE 'A' CURB AND GUTTER (NOTE 203)	355	LF
NEW TYPE 'B' VERTICAL CURB (NOTE 204)	345	LF
NEW DRIVEWAY ENTRANCE (NOTE 205)	550	SF
NEW 2' WIDE CURB OPENING (NOTE 206)	3	EA
NEW 2.5' WIDE CURB TERMINATION (NOTE 207)	6	EA
NEW PLAZA 5" THICK CLASS AA 4000 PSI CONCRETE (NOTE 208)	3,050	SF
NEW 4SW 4" WIDE THERMOPLASTIC WHITE STRIPING (NOTE 209)	1	LS
NEW ADA SIDEWALK RAMP (NOTE 211)	45	SF
NEW 2.5' WIDE METAL SCUPPER (NOTE 212)	3	EA
NEW 4" ASPHALT OVER 6" ABC OR MATCH EXISTING SECTION (NOTE 213)	30	SY
NEW 5' WIDE TYPE 'A' TO TYPE 'C' CURB TRANSITION (NOTE 214)	2	EA
NEW TYPE 'C' ROLL CURB AND GUTTER (NOTE 215)	16	LF
NEW 2' HIGH LANDSCAPE SEAT WALL (NOTE 216)	25	LF
NEW 2" SCHEDULE 40 PVC SLEEVES FOR FUTURE ELECTRICAL USE (NOTE 217)	560	LF
NEW ADA PARKING STRIPING AND SIGNAGE (NOTE 218)	1	LS
NEW TYPE 'B' VERTICAL CURB PER MAG STD DETAIL 222 (NOTE 219)	155	LF
NEW CHIP SEAL (NOTE 220)	960	SY
NEW WELDED WIRE MESH IN PLAZA CONCRETE (NOTE 221)	3,050	SF

DRAINAGE IMPROVEMENTS

NEW CONTECH 96" PERFORATED CMP RETENTION SYSTEM. (NOTE 500)	1	EA
NEW DRAINAGE SWALE WITH 5:1 MAX SIDE SLOPES (NOTE 501)	155	LF

ADDITIVE ALTERNATES

ADDITIVE ALTERNATE #1 CONTRACTOR TO SUPPLY AND INSTALL 3" AC IN LIEU OF 3" MILLINGS (NOTE 222)	960	SY
---	-----	----

ADDITIVE ALTERNATE #2 CONTRACTOR TO SUPPLY 3" THICK AC MILLINGS MATERIAL (NOTE 223)	960	SY
--	-----	----

GENERAL CONDITIONS

THE WORK SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT EDITION(S) OF THE FOLLOWING SPECIFICATIONS AND THESE PLANS.

M.A.G. UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
M.A.G. UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION.
A.D.H.S. (A.D.E.Q.) ENGINEERING BULLETINS NO. 8 AND 10 (WATER SYSTEMS).
ARIZONA ADMINISTRATIVE CODES.
A.I.W.W.A. STANDARDS.
M.U.T.C.D. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
ARIZONA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND DRAWINGS.
CITY OF FLAGSTAFF ENGINEERING DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS
CITY OF FLAGSTAFF AMENDMENTS TO MAG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF THE ABOVE STANDARDS, SPECIFICATIONS AND DETAILS, AS WELL AS ALL OTHER STANDARDS AND SPECIFICATIONS WHICH MAY BE NECESSARY TO COMPLETELY AND ACCURATELY INTERPRET THESE PLANS.

ALL QUANTITIES SHOWN ARE APPROXIMATE AND ARE FURNISHED SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THEY DO NOT NECESSARILY CORRESPOND TO BID SCHEDULE ITEMS. PAYMENT WILL BE BASED ON BID SCHEDULE ITEMS. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR INDEPENDENTLY ESTIMATING WORK QUANTITIES PRIOR TO BIDDING.

UNDERGROUND UTILITY LOCATIONS, AS SHOWN ON THESE PLANS, WERE DETERMINED FROM FIELD MEASUREMENTS, CONSTRUCTION PLANS, RECORD PLANS, OR UTILITY MAPS FURNISHED BY OTHERS. LOCATIONS OF UNDERGROUND UTILITIES ARE TO BE REGARDED AS APPROXIMATE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ESTABLISH IN THE FIELD THE ACTUAL LOCATIONS OF ALL UNDERGROUND LINES WHICH MAY IN ANY WAY AFFECT THE WORK AND TO FOLLOW ALL ARIZONA BLUESTAKE REGULATIONS.

THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR MAKING COMPLETE AND ACCURATE ON-SITE DETERMINATIONS OF THE LOCATIONS OF ALL UTILITIES, STRUCTURES AND FIELD CONDITIONS, WHICH MAY AFFECT THE PROGRESS OF THE WORK.

WHERE PLANS CALL FOR CONNECTING NEW STRUCTURES TO EXISTING UNDERGROUND PIPES OR STRUCTURES, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE, AT THE TIME OF CONSTRUCTION, EXACT SIZES, TYPES AND LOCATIONS OF EXISTING UNDERGROUND IMPROVEMENTS AND TO FURNISH MATERIALS AS NEEDED TO MAKE THE REQUIRED CONNECTIONS.

WHERE THE LOCATION OF EXISTING STRUCTURES ARE INDICATED ON THE PLANS, INDICATED LOCATIONS ARE APPROXIMATE ONLY.

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING WHAT PERMITS WILL BE REQUIRED FOR THE WORK AND FOR OBTAINING, AT HIS OWN EXPENSE, ALL PERMITS REQUIRED UNLESS STATED OTHERWISE IN THE SPECIAL PROVISIONS.

THE APPROPRIATE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. "BLUE STAKE" NUMBER IS 811 OR ONLINE AT ARIZONA811.COM. CONTRACTOR SHALL ALLOW TWO WORKING DAYS AFTER "BLUE STAKE" IS NOTIFIED, BEFORE COMMENCING ANY EXCAVATION WORK IN THE PROXIMITY OF BURIED UTILITIES.

DRAINAGE

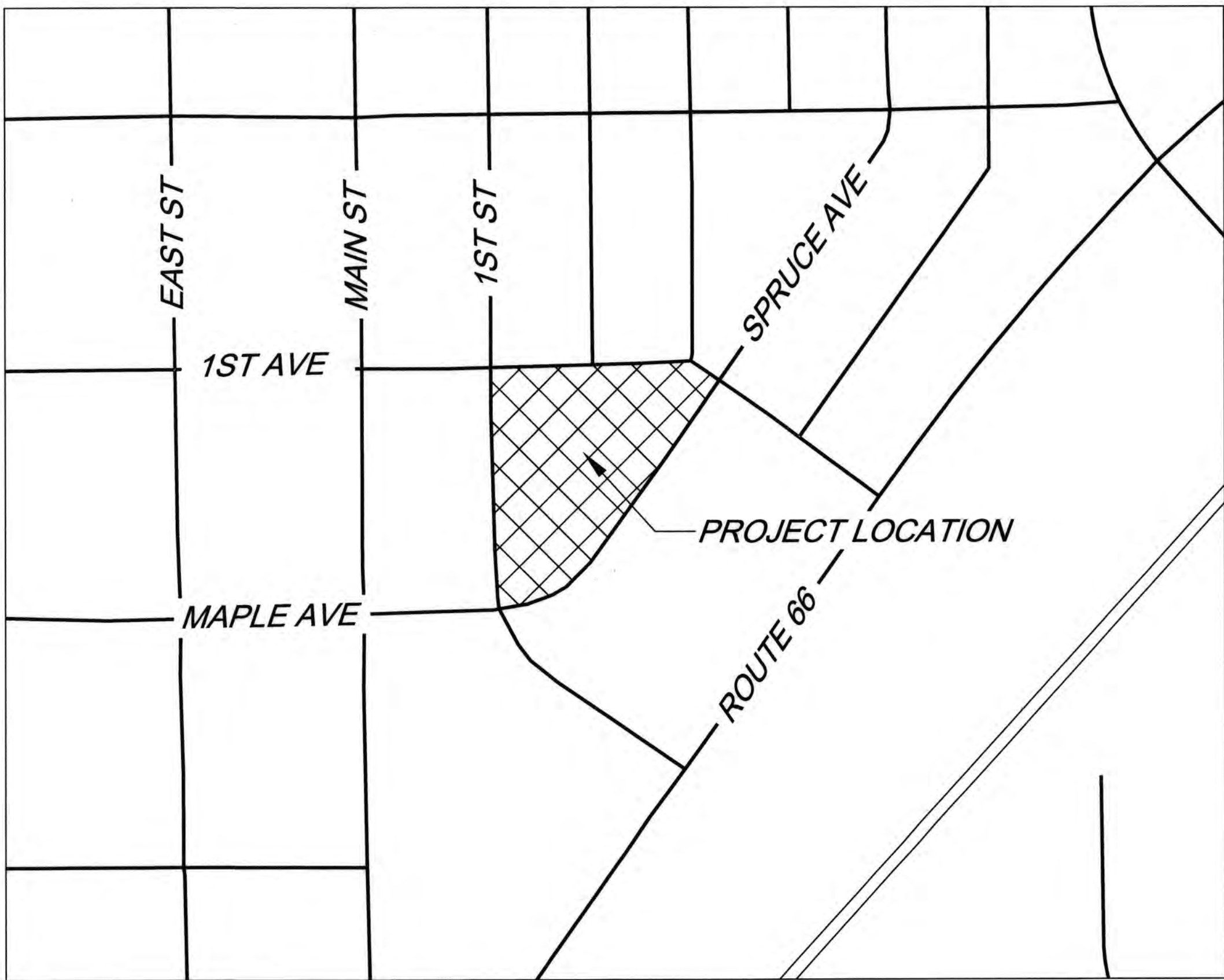
ADEQUATE DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES, BEST MANAGEMENT PRACTICES, AND/OR OTHER STORMWATER MANAGEMENT FACILITIES SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR'S OR PROPERTY OWNER'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR PROPERTY OWNER.

EARTHWORK

THE EARTHWORK QUANTITIES ARE APPROXIMATE AND DO NOT TAKE INTO ACCOUNT SHRINK, SWELL, OR ROCK FOUND IN CUT SECTIONS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EARTHWORK QUANTITIES. ALL EARTHWORK AND SITE PREPARATION SHALL BE DONE IN ACCORDANCE WITH MAG STANDARD SPECIFICATION AND THE CITY OF FLAGSTAFF'S REVISIONS TO MAG STANDARD SPECIFICATIONS. ALL EARTHWORK IS CONSIDERED "UNCLASSIFIED". NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR ROCK EXCAVATION.

CUT: 688 CY
FILL: 46 CY
NET: 642 CY CUT

JOEL MONTALVO PARK IMPROVEMENTS
GRADING AND DRAINAGE PLANS



LOCATION MAP

SCALE: 1" = 200'

LEGEND

	EXISTING MAJOR CONTOUR		PROPOSED MAJOR CONTOUR
	EXISTING MINOR CONTOUR		PROPOSED MINOR CONTOUR
	EXISTING PROPERTY LINE		PROPOSED SWALE
	EXISTING EASEMENT LINE		GRADING LIMITS
	EXISTING SEWER LINE		PROPOSED LID RETENTION BASIN
	EXISTING GAS LINE		PROPOSED 9" THICK ASPHALT MILLINGS
	EXISTING WATER LINE		PROPOSED ASPHALT
	EXISTING FENCE		
	EXISTING STORM DRAIN		
	EXISTING GAS VALVE		
	EXISTING ELECTRIC PEDISTAL		
	EXISTING WATER VALVE		
	EXISTING TREE		
	EXISTING LIGHT POLE		

AREA CALCULATIONS

TOTAL CONSTRUCTION LIMITS AREA = 0.57 AC
TOTAL EXISTING IMPERVIOUS AREA = 0.25 AC
TOTAL POST DEVELOPMENT IMPERVIOUS AREA = 0.54 AC

UTILITY CONFLICT NOTE

EXISTING UTILITIES SHOWN ARE BASED ON THE BEST AVAILABLE INFORMATION AND FOUND UTILITY APPURTENANCES. SOME LINES SHOWN ARE SCHEMATIC. CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY VERIFYING ALL UTILITY LINE LOCATIONS PRIOR TO CONSTRUCTION. CONTRACTOR IS TO IMMEDIATELY NOTIFY OWNER AND ENGINEER IF CONFLICTS ARISE.

BY SIGNING THESE PLANS, THE DESIGNER OF THE LANDSCAPING PLANS CONFIRMS THAT THESE GRADING PLANS HAVE BEEN REVIEWED, IS AWARE OF THE SCOPE OF THE PROJECT, AND HAS IDENTIFIED AND ADDRESSED ANY POTENTIAL CONFLICTS BETWEEN THE GRADING AND LANDSCAPING PLANS.

LANDSCAPE DESIGNER

DATE



VICINITY MAP
NTS

CONCEPT APPROVAL NOTE:
THE CITY APPROVES THESE PLANS FOR CONCEPT ONLY. ALL LIABILITY FOR ERRORS OR OMISSIONS IS THE RESPONSIBILITY OF THE DESIGN ENGINEER.

CITY OF FLAGSTAFF APPROVALS

	4/17/2017
CITY ENGINEER	DATE
	4.14.17
PUBLIC WORKS DIRECTOR	DATE
	17 April 17
UTILITIES DIRECTOR	DATE

UTILITY ACKNOWLEDGMENTS

MANUEL HERNANDEZ CENTURYLINK	7.12.16 DATE
SANFORD YAZZIE SUDDENLINK	6.28.16 DATE
KARA VAN HEMERT ARIZONA PUBLIC SERVICE	6.27.16 DATE
MARTIN CONBOY UNISOURCE ENERGY SERVICES	7.5.16 DATE

BASIS OF BEARINGS

LINEAR UNIT: INTERNATIONAL FOOT
GEODETIC DATUM: NAD 83 - ARIZONA
VERTICAL DATUM: NAVD88 (CONUS)
SYSTEM: CITY OF FLAGSTAFF LOW DISTORTION SYSTEM

PROJECTION:
TRANSVERSE MERCATOR
LATITUDE OF GRID ORIGIN: 35° 00' 00" N
LONGITUDE OF CENTRAL MERIDIAN: 111° 37' 00" W
NORTHING AT GRID ORIGIN: 0.000 FT
EASTING AT CENTRAL MERIDIAN: 70,000.00 FT
CENTRAL MERIDIAN SCALE FACTOR: 1.000333 (EXACT)

THIS SURVEY WAS CONDUCTED USING GPS REFERENCED TO NGS (NATIONAL GEODETIC SURVEY) OPUS (ON-LINE POSITIONING SYSTEM) AND CONSTRAINED TO A LEAST-SQUARED ADJUSTMENT WITH AN ESTIMATED ACCURACY OF 95% CONFIDENCE LEVEL.

ALL MEASURED DISTANCES AND BEARINGS SHOWN HEREON ARE GRID VALUES BASED ON THE LOW DISTORTION PROJECTION DEFINITION. THIS PROJECTION IS DEFINED SUCH THAT GRID DISTANCES ARE EQUIVALENT TO "GROUND" DISTANCES IN THE PROJECT AREA.

THE BASIS OF BEARINGS IS TRUE GEODETIC NORTH. NOTE THAT THE MEASURED GRID BEARINGS SHOWN HEREON DO NOT EQUAL GEODETIC BEARINGS DUE TO MERIDIAN CONVERGENCE.

SURVEY NOTES

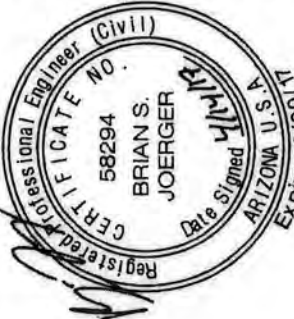
TOPOGRAPHIC SURVEY SHOWN HEREON WAS PERFORMED BY AND FIELD VERIFIED BY THE WLB GROUP INC. IN APRIL 2016.

NO.	DATE	ITEM

Engineering & Planning
Surveying
Office located in: Phoenix, AZ
Flagstaff, and Las Vegas, NV
500 N. Beaver Street, Flagstaff, AZ 86001
PH (928) 779-1500

The WLB Group Inc.

CITY OF FLAGSTAFF
JOEL MONTALVO PARK IMPROVEMENTS
COVER SHEET



DESIGNED BY: CW	BY: CW
DRAWN BY: CW	BY: CW
CHECK BY: BL	BY: BL
DATE: APRIL 2017	DATE: APRIL 2017

PROJECT NO.
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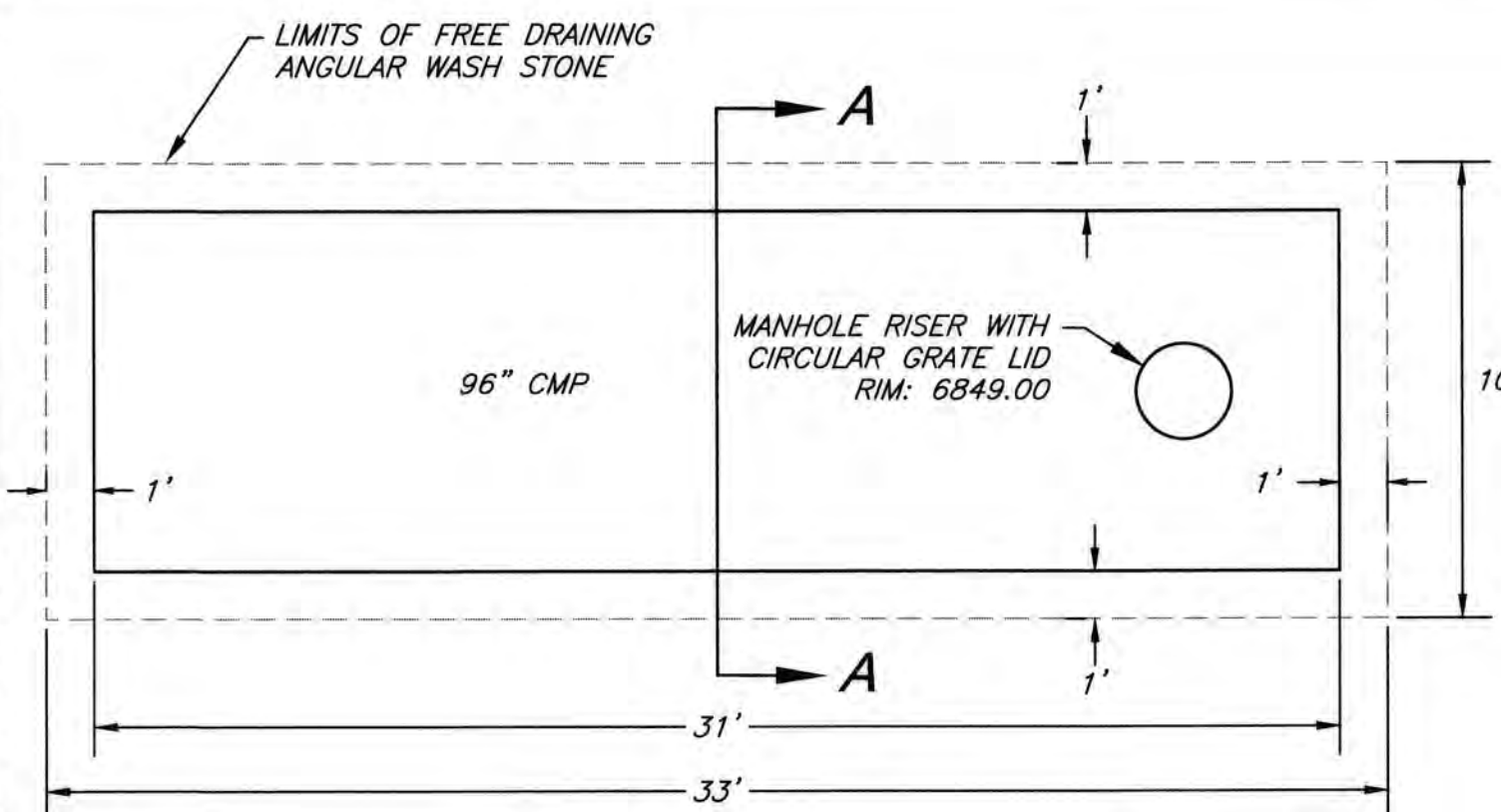
GENERAL NOTES

1. APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS FOR A ONE-YEAR PERIOD, SUBSEQUENT TO THE DATE OF APPROVAL. IF CONSTRUCTION WORK IS NOT STARTED WITHIN THE ONE-YEAR PERIOD, OR HAS BEEN DISCONTINUED FOR ANY REASON FOR LONGER THAN ONE YEAR, THE PLANS SHALL BE RESUBMITTED FOR REVIEW AND RE-APPROVAL.
2. PLAN REVIEW BY THE CITY DOES NOT EXTEND TO MATERIAL QUANTITIES SHOWN ON THE PLANS.
3. A PUBLIC WORKS PERMIT, ISSUED BY THE CITY, IS REQUIRED FOR ALL WORK IN CITY RIGHTS-OF-WAY OR EASEMENTS AND FOR CONSTRUCTION OF ANY IMPROVEMENTS INTENDED TO BECOME PUBLIC PROPERTY.
4. THE CITY SHALL BE NOTIFIED 24 HOURS PRIOR TO BEGINNING DIFFERENT PHASES OF CONSTRUCTION SO THAT CITY INSPECTORS MAY BE SCHEDULED.
5. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE CURRENTLY ADOPTED AND PUBLISHED CITY OF FLAGSTAFF "ENGINEERING DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS", THE CURRENT "MAG UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION", THE CITY OF FLAGSTAFF STORMWATER DESIGN MANUAL, AND WITH GENERALLY ACCEPTED ENGINEERING DESIGN AND CONSTRUCTION PRACTICE. ALL WORK AND MATERIALS WHICH DO NOT CONFORM TO THE STANDARDS AND SPECIFICATIONS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING CHAPTER 21 OF THE CITY OF FLAGSTAFF ENGINEERING STANDARDS, WHICH MAKES MINOR MODIFICATIONS TO CERTAIN MAG SPECIFICATIONS AND DETAILS.
6. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE AND APPROVAL OF THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
7. THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE MAY SUSPEND THE WORK BY WRITTEN NOTICE WHEN, IN HIS JUDGMENT, PROGRESS IS UNSATISFACTORY, WORK BEING DONE IS UNAUTHORIZED OR DEFECTIVE, WEATHER CONDITIONS ARE UNSUITABLE, OR THERE IS DANGER TO THE PUBLIC HEALTH OR SAFETY.
8. THE CITY ENGINEER MAY ORDER ANY OR ALL MATERIALS USED IN THE WORK TO BE TESTED ACCORDING TO THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) AND THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) STANDARDS. THE CONTRACTOR SHALL, AT HIS EXPENSE, SUPPLY ALL SAMPLES REQUIRED FOR TESTING.
9. ACCESS WHICH MEETS SECTION 13-04-0001, FIRE HYDRANTS, WATER MAINS, AND STREET NAME SIGNS SHALL BE IN PLACE AND APPROVED BEFORE AND AT ALL TIMES DURING ON-SITE COMBUSTIBLE CONSTRUCTION AND/OR PRIOR TO ISSUANCE OF BUILDING PERMITS IN NEW SUBDIVISIONS. FIRE DEPARTMENT AND ENGINEERING SECTION APPROVAL IS REQUIRED FOR OBSTRUCTION OF ACCESS OR WATER SYSTEM SHUTDOWN.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE STREETS AND OF PARTIALLY COMPLETED PORTIONS OF THE WORK UNTIL FINAL ACCEPTANCE OF THE WORK. THE CONTRACTOR SHALL SUBMIT TO THE CITY ENGINEER FOR APPROVAL A CONSTRUCTION SCHEDULE FOR ANY STREETS REQUIRED TO BE CLOSED OR PARTIALLY CLOSED FOR THE CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL REOPEN THE STREETS NO LATER THAN THE OPENING DATE SHOWN ON THE CONSTRUCTION SCHEDULE OR UPON ORDER OF THE CITY ENGINEER. THE REGULATION AND CONTROL OF CONSTRUCTION TRAFFIC SHALL BE AS DIRECTED BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
11. APPROVAL OF A PORTION OF THE WORK IN PROGRESS DOES NOT GUARANTEE ITS FINAL ACCEPTANCE. TESTING AND EVALUATION MAY CONTINUE UNTIL WRITTEN FINAL ACCEPTANCE OF A COMPLETE WORKABLE UNIT. ANY DEFECTS WHICH APPEAR IN THE WORK WITHIN ONE YEAR FROM THE DATE OF ACCEPTANCE AND WHICH ARE DUE TO IMPROPER WORKMANSHIP OR INFERIOR MATERIALS SUPPLIED SHALL BE CORRECTED BY OR AT THE EXPENSE OF THE OWNER/DEVELOPER OR THE CONTRACTOR.
12. ACCEPTANCE OF COMPLETED PUBLIC IMPROVEMENTS WILL NOT BE GIVEN UNTIL DEFECTIVE OR UNAUTHORIZED WORK IS REMOVED, AND FINAL CLEAN-UP IS COMPLETE.
13. LOCATION OF UNDERGROUND UTILITIES BEFORE WORK IS BEGUN IS TO BE ACCOMPLISHED IN ACCORDANCE WITH ARS 40-360.22.
14. IF WORK IS DONE ON PRIVATE PROPERTY IN RELATION TO A PROJECT CONSTRUCTED UNDER THESE STANDARDS, THE CONTRACTOR WILL PROVIDE THE CITY WITH WRITTEN AUTHORIZATION FROM THE PROPERTY OWNER TO DO SO.
15. THE ESTABLISHMENT AND USE OF TEMPORARY CONSTRUCTION YARDS SHALL CONFORM TO THE CURRENT CITY ZONING CODE STANDARDS FOR "TEMPORARY USES".
16. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE CITY CODES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED CITY APPROVALS AND PERMITS, AS DEEMED NECESSARY BY THE CITY, TO DISPOSE OF EXCAVATED MATERIAL.
17. ALL CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR/DEVELOPER AND PERFORMED UNDER THE DIRECT SUPERVISION OF A REGISTERED LAND SURVEYOR OR CIVIL ENGINEER.
18. ALL TRAFFIC SIGN SHEETING SHALL BE TYPE VIII AS DESIGNED BY ASTM D4956-07E1 STANDARD SPECIFICATIONS FOR RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL, UNLESS SPECIFIED OTHERWISE ON THE CONSTRUCTION PLANS.
19. WHEN THE CONSTRUCTION PLANS SPECIFY GRAFFITI CONTROL ON BRIDGES OR OTHER STRUCTURES, THE CONTRACTOR SHALL SEAL THE STRUCTURE FIRST USING MONOCHROM AQUEAL ME 12 AND THEN APPLY MONOCHROM PERMAshield, SACRIFICIAL GRAFFITI CONTROL SYSTEM (OR APPROVED EQUIV.).
20. ALL AREA DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED RESEEDING IN ACCORDANCE WITH CHAPTER 13-17 OF THE CITY OF FLAGSTAFF ENGINEERING DESIGN STANDARDS. IN THE EVENT THAT THE CONSTRUCTION ACTIVITY DISTURBS MORE THAN ONE ACRE, A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE PREPARED IN ORDER TO OBTAIN A CONSTRUCTION GENERAL PERMIT FROM ADEQ.

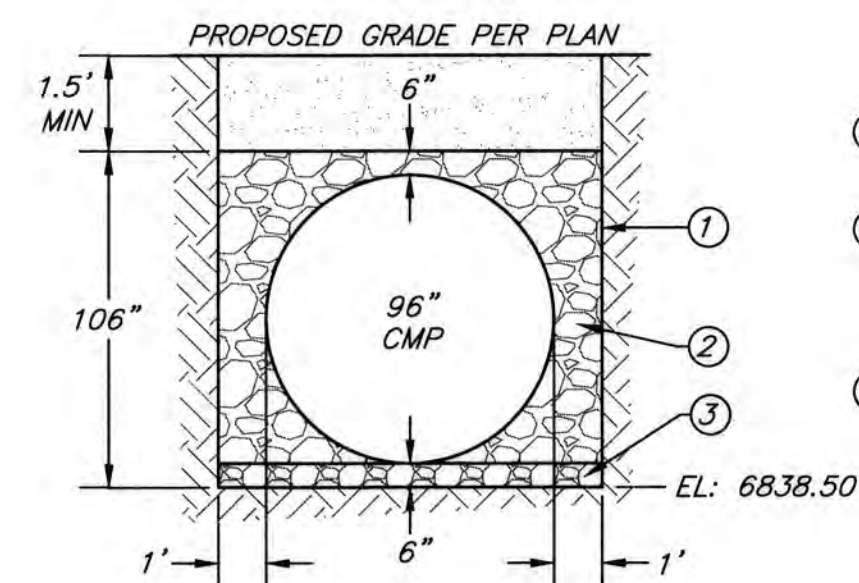
- A. EXACT POINT OF MATCHING, TERMINATION AND OVERLAY, IF NECESSARY, SHALL BE DETERMINED IN THE FIELD BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE. WHEN A LONGITUDINAL JOINT ASSOCIATED WITH A TRENCH PATH, PAVEMENT MATCHUP OR OTHER OCCURS ON A STREET THAT INCLUDES A BIKE LANE, THE JOINT SHALL BE LOCATED OUTSIDE THE BIKE LANE.
- B. NO JOY WILL BE CONSIDERED COMPLETE UNTIL: A) ALL CURBS, PAVEMENTS, SIDEWALKS, CATCH BASINS, STORM DRAINS, AND MANHOLES HAVE BEEN CLEANED OF ALL DIRT AND DEBRIS; B) SURVEY MONUMENTS ARE INSTALLED AND STAMPED; AND C) ALL FRAMES, COVERS, AND VALVE BOXES ARE ADJUSTED TO GRADE.
- C. NO PAVING CONSTRUCTION SHALL BE STARTED UNTIL ALL UTILITY LINES ARE COMPLETED AND APPROVED UNDER PROPOSED PAVED AREAS.
- D. BASE COURSE WILL NOT BE PLACED UNTIL SUBGRADE HAS BEEN APPROVED BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
- E. THE LOCATION OF ALL WATER VALVES, FIRE HYDRANTS, AND MANHOLES MUST AT ALL TIMES DURING CONSTRUCTION BE REFERENCED AND MADE ACCESSIBLE TO THE CITY.
- F. UTILITY FACILITIES IN CONFLICT WITH THIS WORK WILL BE RELOCATED BY THE PERMITEE OR THE UTILITY OWNER. THIS ACTIVITY SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY TO PREVENT ANY UNNECESSARY INTERRUPTION OF SERVICE TO EXISTING CUSTOMERS.
- G. EXISTING STREET NAME SIGNS, TRAFFIC SIGNS AND DEVICES ASSOCIATED WITH THE PROJECT SHALL BE MAINTAINED DURING CONSTRUCTION AND RELOCATED BY THE CONTRACTOR AS SHOWN ON THE APPROVED PLANS.
- H. ANY CHANGES OR ADDITIONS TO PAVEMENT MARKINGS CAUSED BY PAVEMENT OVERLAY, CHIP SEAL, OR INSTALLATION OF UNDERGROUND FACILITIES SHALL BE SHOWN ON THE APPROVED PLANS.
- I. ON OBJECTS WHERE THE CONTRACTOR CAUSES EXCESSIVE DAMAGE TO AN EXISTING PAVED STREET OR THERE ARE MULTIPLE STREET CUTS (MAXIMUM OF FOUR IN 500 FEET) AN ASPHALT OVERLAY SHALL BE REQUIRED.
- J. A PRIME COAT IS NOT REQUIRED UNLESS SO SPECIFIED IN THE SOILS AND PAVEMENT REPORT AND/OR SHOWN ON THE PLANS.
- K. ALL CURB AND GUTTER, SIDEWALK, DRIVEWAYS, AND SIDEWALK RAMPS SHALL BE CONSTRUCTED ON A MINIMUM 3 INCHES OF AGGREGATE BASE COURSE (ABC). THE ABC SHALL BE CONSTRUCTED PER MAG SECTION 310, AND SHALL BE COMPLETED TO MEET THE REQUIREMENTS OF THE MASSDOT ALL PRECAST STRUCTURES SUCH AS MANHOLE BASES, CATCH BASINS, AND BOX CULVERTS SHALL BE CONSTRUCTED ON A MINIMUM OF 3 INCHES OF ABC.
- L. PERMANENT PAVEMENT MARKINGS.
 - 1. TRANSVERSE PAVEMENT MARKINGS SUCH AS STOP BARS, CROSSWALKS, ARROWS, AND LEGENDS SHALL BE INSTALLED PER ADOT STANDARD SPECIFICATION 705, TYPE 1.
 - 2. LONGITUDINAL PAVEMENT MARKINGS SHALL BE INSTALLED PER ADOT STANDARD SPECIFICATION 708 AND SHALL BE APPLIED IN TWO COATS.
- M. TEMPORARY PAVEMENT MARKINGS.
 - 1. TEMPORARY PAVEMENT MARKINGS, WHEN APPROVED, SHALL BE INSTALLED PER ADOT STANDARD SPECIFICATION 701-3.05.
 - 2. THE USE OF TEMPORARY MARKINGS IS STRONGLY DISCOURAGED AND MAY ONLY BE USED WITH PRIOR APPROVAL. a. WHEN IT IS USED, THE CONTRACTOR MUST BE AVAILABLE TO RESTRIPE AS NEEDED UNTIL THE PERMANENT MARKINGS CAN BE INSTALLED.

NOTE: WHEN IT IS IMPRACTICABLE FOR THE CONTRACTOR TO PROVIDE PERMANENT MARKINGS, THE CITY PUBLIC WORKS DEPARTMENT MAY PROVIDE PERMANENT MARKINGS ON BEHALF OF THE CONTRACT PROVIDED THE FEE FOR THE WORK IS AGREED UPON AND PAID FOR IN ADVANCE.

- N. THE MAXIMUM THICKNESS OF A SINGLE LIFT OF PAVEMENT SHALL BE 4 INCHES.

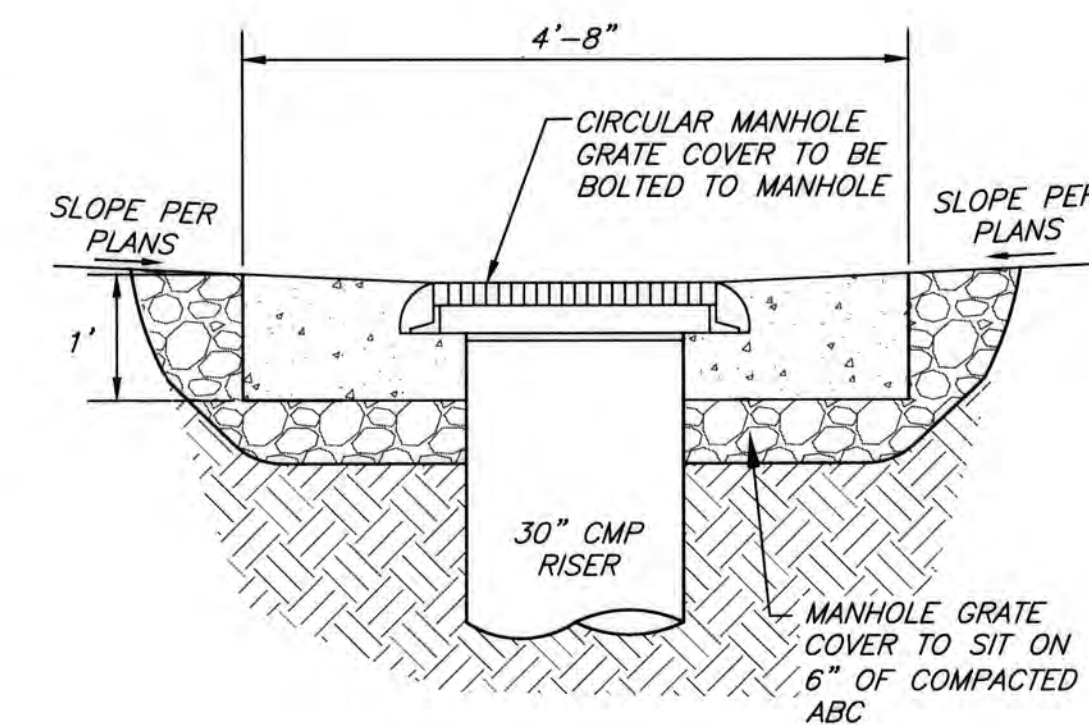


PLAN VIEW



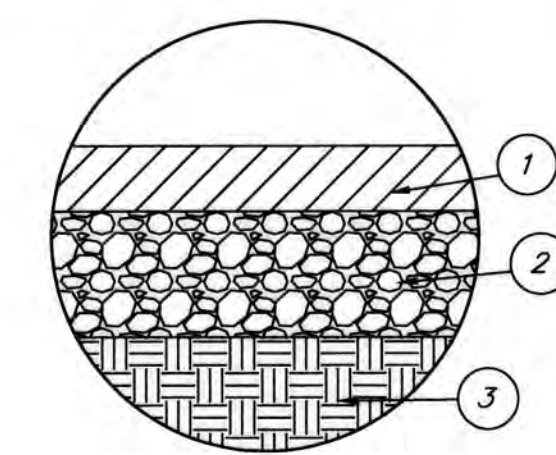
SECTION A - A

- KEYNOTES:**
- ① CONTECH NON-WOVEN GEOTEXTILE COVER
 - ② FREE DRAINING, CLEAN ANGULAR WASHED STONE $\frac{3}{4}" - 2"$ MIN. PARTICLE SIZE.
 - ③ GRANULAR BEDDING, ROUGHLY SHAPED TO FIT THE BOTTOM OF PIPE, 6" DEPTH.



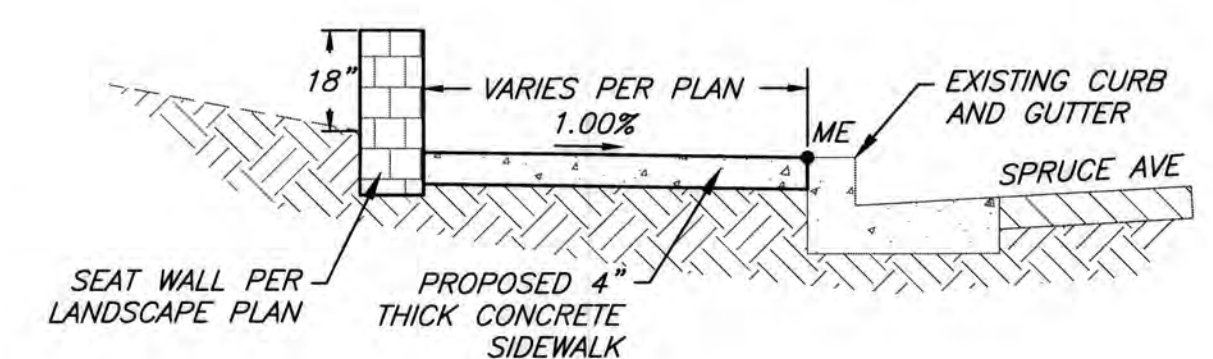
MANHOLE GRATE/RISER DETAIL

- NOTES:**
- MINIMUM SYSTEM TOTAL STORMWATER STORAGE REQUIRED = 2,225 CF.
 - CONTRACTOR TO PROVIDE SEALED SHOP DRAWINGS.
 - INSTALLATION PER MANUFACTURER'S INSTRUCTIONS AND REQUIREMENTS.
 - ELEMENTS NOT SPECIFICALLY CALLED OUT, BUT OTHERWISE REQUIRED FOR CONSTRUCTION ARE CONSIDERED INCIDENTAL.
 - SIZE OF SYSTEM DRAIN IS BASED ON 40% STONE POROSITY. ANY REDUCTION IN STONE POROSITY RESULTING FROM ALTERNATE STONE SIZE SELECTION MAY REQUIRE ADJUSTMENT TO SYSTEM SIZE.
 - CONTRACTOR TO PROVIDE SUBMITTAL ON STONE.



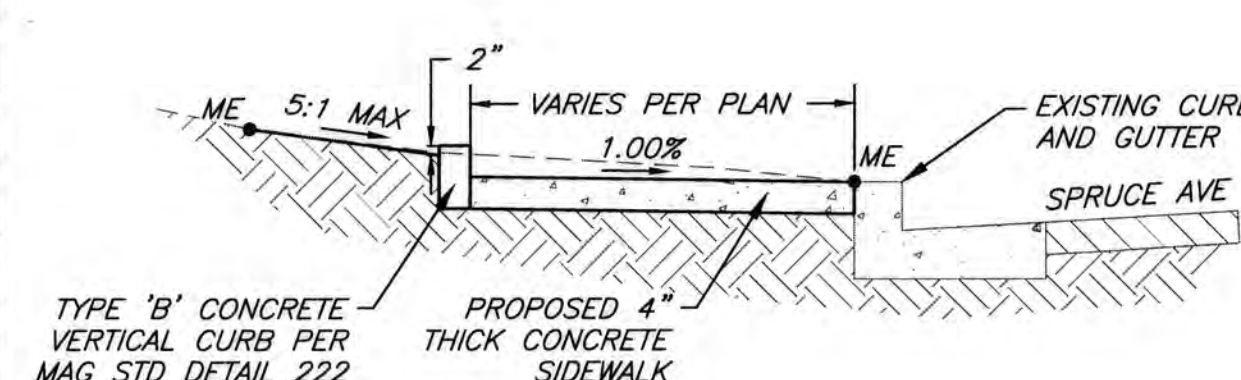
- KEYNOTES:
- 1 3" THICK AC MILLINGS COMPACTED TO 95%
 - 2 6" THICK AGGREGATE BASE COURSE PER MAG SPEC. SEC. 310, COMPACTED TO 100%.
 - 3 SCARIFY 12" AND PREPARATION PER MAG SPEC. SEC. 301.

2 **TYPICAL MILLINGS SECTION**
NOT TO SCALE

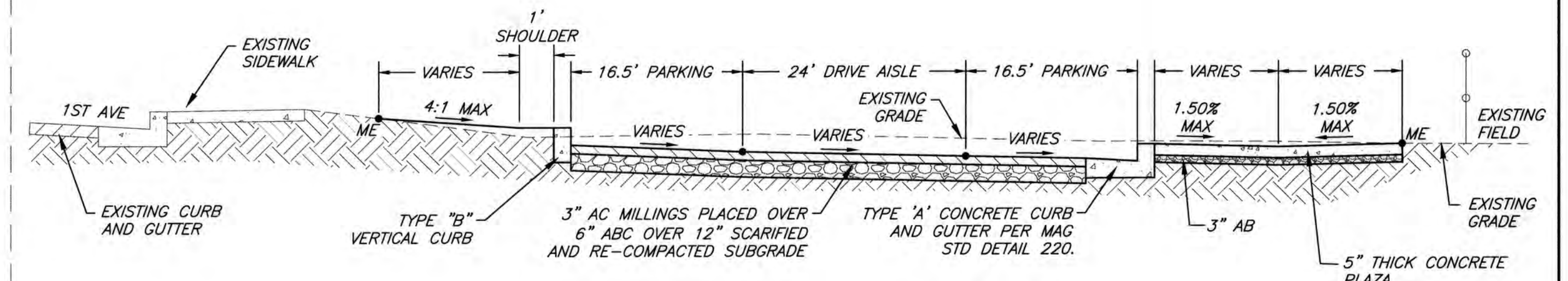


3 **CROSS SECTION A**
NOT TO SCALE

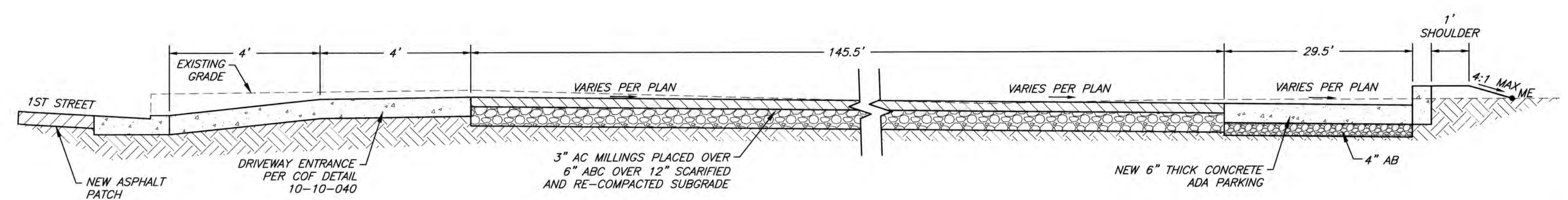
1 UNDERGROUND RETENTION VAULT DETAIL
NOT TO SCALE



4 CROSS SECTION B
NOT TO SCALE



5 **CROSS SECTION C**
NOT TO SCALE



6 CROSS SECTION D
NOT TO SCALE

Contact Arizona 811 at least two full working days before you begin excavation



Call 811 or click Arizona811.com

FF51B

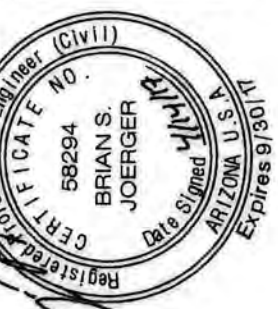
COF PROJECT # 03-17011 FINAL 2 PLANS

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Engineering • Planning • Surveying
Landscape Architecture • Urban Design
Offices located in: Tucson, Phoenix,
Flagstaff, and Las Vegas, NV.
500 N. Beaver Street, Flagstaff, AZ
PH. (928) 779-1500

The WLB Group INC.

NOTES AND DETAILS



DESIGNED BY: EW
 DRAWN BY: EW
 CHECK BY: BJ
 DATE: APRIL 2017

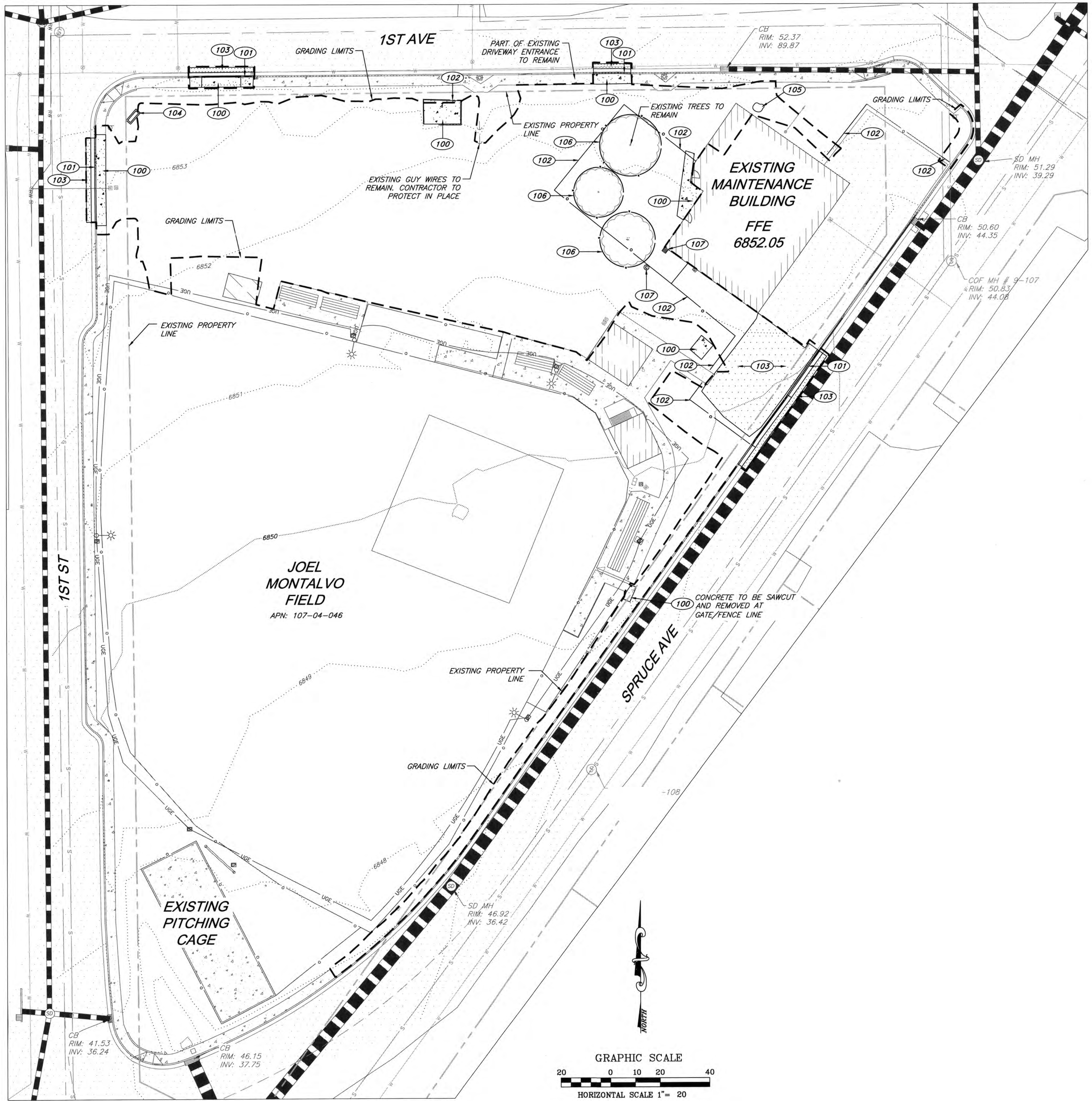
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 DATE: _____

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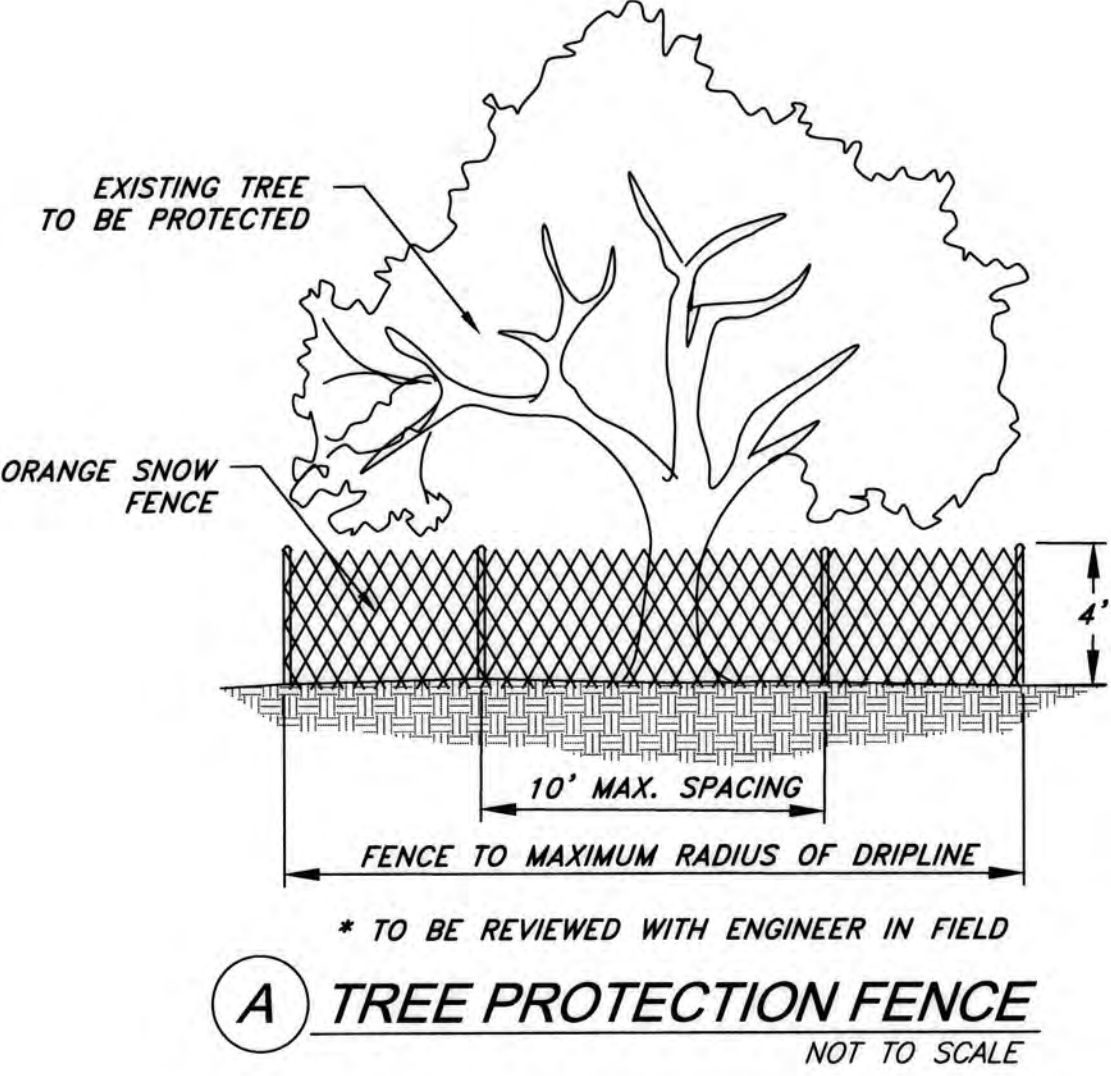
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CONSTRUCTION NOTES

- REMOVALS & ADJUSTMENTS**
(NOTE 100) 655 SF
REMOVE AND DISPOSE OF EXISTING CONCRETE.
- (NOTE 101) 135 LF
REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER TO THE LIMITS SHOWN OR TO THE NEAREST JOINT BEYOND THE PLAN EXTENTS. IF JOINT IS NOT CLEAN, SAWCUT 6" PAST THE JOINT TO PROVIDE A CLEAN MATCHUP.
- (NOTE 102) 320 LF
REMOVE AND SALVAGE EXISTING FENCE PER PLAN. REMOVE FENCE TO NEAREST POST. SALVAGED MATERIAL TO BE PROVIDED TO THE CITY'S PROJECT MANAGER.
- (NOTE 103) 160 SY
REMOVE AND DISPOSE OF EXISTING ASPHALT.
- (NOTE 104) 1 EA
REMOVE AND SALVAGE EXISTING SIGN. SALVAGED MATERIAL TO BE PROVIDED TO THE CITY'S PROJECT MANAGER.
- (NOTE 105) 1 EA
RELOCATE EXISTING BOULDER. BOULDER TO BE BURIED 1/3 OF HEIGHT. SEE SHEET C4 FOR LOCATION.
- (NOTE 106) 3 EA
TREE PROTECTION FENCE, PER DETAIL A, THIS SHEET.
- (NOTE 107) 2 EA
CUT, CAP, AND ABANDON EXISTING DRAINAGE RISERS AND CLEANOUTS.
- (NOTE 150) 1 LS
NON-ITEMIZED REMOVALS.



COF PROJECT # 03-17011 FINAL 2 PLANS

DESIGNED BY: **FW**
DRAWN BY: **FW**
CHECK BY: **BJ**
DATE: **APRIL 2017**
BY: **FW**
DATE:

PROJECT NO.
316003A001
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NO:

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ITEM:

REVISIONS:

Engineering & Planning
Landscape Architecture
Surveying
Urban Design
Offices located in: Tucson, AZ
500 N. Beaver Street, Flagstaff, AZ 86001
PH: (928) 779-1500

The

WLB

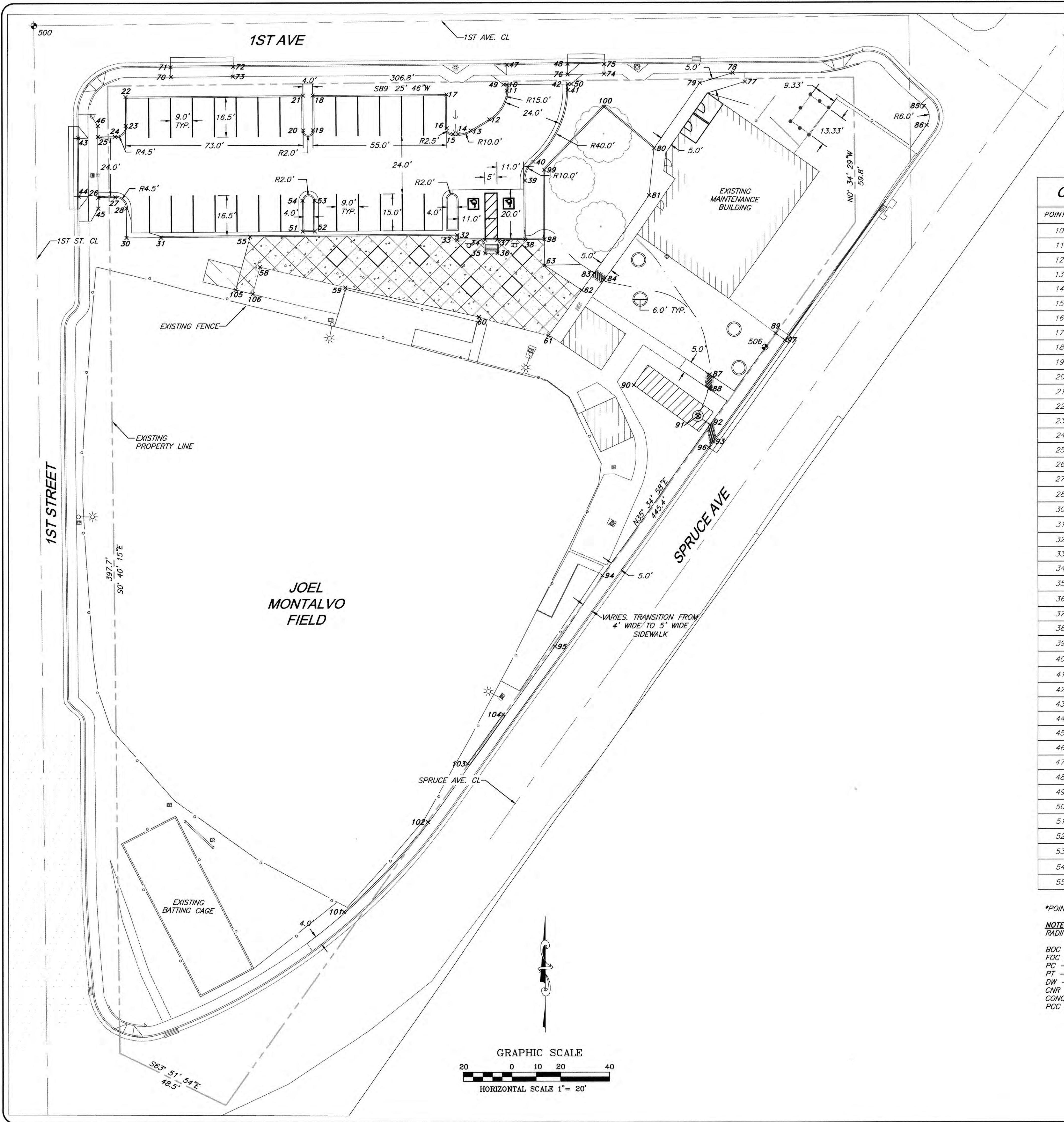
Group, INC.

CITY OF FLAGSTAFF

JOEL MONTALVO PARK IMPROVEMENTS

REMOVALS PLAN

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CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
500	74709.64	69889.94	6853.17	AC HH
506	74576.82	70190.29	6850.20	MAG/TRAV

CONSTRUCTION POINT TABLE *			
POINT #	NORTHING	EASTING	DESCRIPTION
10	74685.21	70084.44	BOC
11	74682.74	70084.42	BOC PC
12	74670.81	70077.21	BOC PT
13	74666.16	70069.52	BOC PC
14	74664.72	70064.40	BOC PT
15	74664.70	70062.16	BOC PC
16	74667.19	70059.65	BOC PT
17	74681.19	70059.57	BOC
18	74680.88	70004.57	BOC
19	74666.38	70004.65	BOC PC
20	74666.36	70000.65	BOC PT
21	74680.86	70000.57	BOC
22	74680.45	69927.57	BOC
23	74668.45	69927.64	BOC PC
24	74663.93	69923.16	BOC PT
25	74663.89	69916.17	BOC
26	74638.85	69916.29	BOC
27	74638.94	69923.27	BOC PC
28	74634.47	69927.83	BOC PT, TRANSITION
30	74622.45	69927.89	BOC
31	74622.53	69942.10	BOC, TRANSITION
32	74623.21	70063.89	BOC
33	74621.21	70063.90	BOC
34	74621.28	70075.40	ADA RAMP
35	74615.78	70075.43	ADA RAMP, FOC
36	74615.80	70080.43	ADA RAMP, FOC
37	74621.30	70080.40	ADA RAMP
38	74621.37	70091.90	BOC
39	74645.44	70091.77	BOC, PC
40	74653.13	70095.30	BOC, PCC
41	74682.87	70109.44	BOC, PT
42	74685.39	70109.44	BOC
43	74663.34	69908.16	DW BOC
44	74639.34	69908.31	DW BOC
45	74634.39	69916.35	DW CONC
46	74668.39	69916.17	DW CONC
47	74693.36	70084.40	DW BOC
48	74693.67	70109.33	DW BOC
49	74685.20	70083.04	DW CONC
50	74685.42	70110.92	DW CONC
51	74624.86	70000.38	BOC
52	74624.89	70005.38	BOC
53	74637.39	70005.31	BOC, PC
54	74637.36	70000.31	BOC, PT
55	74622.74	69978.73	PLAZA CONC

*POINT NUMBERS 29 & 82 ARE NOT USED

NOTES:
RADI DIMENSIONS SHOWN ARE ON THE BACK OF CURB

BOC - BACK OF CURB
FOC - FRONT OF CURB
PC - POINT OF CURVATURE
PT - POINT OF TANGENT
DW - DRIVEWAY
CNR - CORNER
CONC - CONCRETE
PCC - POINT OF COMPOUND CURVATURE

CONSTRUCTION POINT TABLE *			
POINT #	NORTHING	EASTING	DESCRIPTION
58	74610.21	69982.77	PLAZA CONC
59	74601.71	70017.88	PLAZA CONC
60	74589.48	70072.75	PLAZA CONC
61	74581.55	70101.31	PLAZA CONC
62	74600.44	70114.99	PLAZA CONC
63	74610.68	70099.82	PLAZA CONC
70	74688.61	69946.27	SIDEWALK
71	74692.67	69946.12	SIDEWALK
72	74692.75	69971.94	SIDEWALK
73	74688.77	69971.74	SIDEWALK
74	74689.64	70124.35	SIDEWALK
75	74693.56	70124.42	SIDEWALK
76	74689.39	70109.39	SIDEWALK
77	74686.27	70182.28	SIDEWALK
78	74689.97	70177.25	SIDEWALK
79	74685.85	70163.72	SIDEWALK
80	74658.65	70144.80	SIDEWALK
81	74639.31	70142.75	SIDEWALK
83	74607.49	70120.09	SCUPPER CL
84	74604.56	70124.14	SCUPPER CL
85	74676.06	70255.96	PC
86	74668.00	70256.96	PT
87	74565.68	70167.62	SCUPPER CL
88	74559.90	70167.26	SCUPPER CL
89	74582.56	70194.69	SIDEWALK
90	74561.51	70136.35	RETENTION CNR
91	74548.76	70162.73	CATCH BASIN
92	74545.21	70167.70	SCUPPER CL
93	74538.28	70168.89	SCUPPER CL
94	74483.11	70123.34	SIDEWALK TRANSITION
95	74453.82	70103.82	SIDEWALK TRANSITION
96	74535.83	70167.14	BOC
97	74579.75	70198.47	BOC
98	74621.41	70099.77	BOC
99	74649.80	70099.77	WALL
100	74675.90	70124.29	WALL
101	74345.24	70017.18	CURB
102	74381.96	70051.56	CURB
103	74405.63	70067.95	WALL
104	74425.92	70082.56	WALL
105	74600.84	69972.75	PLAZA CONC
106	74599.03	69979.79	PLAZA CONC



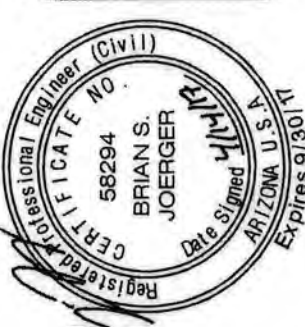
COF PROJECT # 03-17011 FINAL 2 PLANS

ITEM	DATE	NO.

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The WLB Group INC.

CITY OF FLAGSTAFF
JOEL MONTALVO PARK IMPROVEMENTS
CONSTRUCTION CONTROL PLAN



DESIGNED BY:	EW
DRAWN BY:	EW
CHECK BY:	BL
DATE:	APRIL 2017
BY:	
DATE:	

PROJECT NO.
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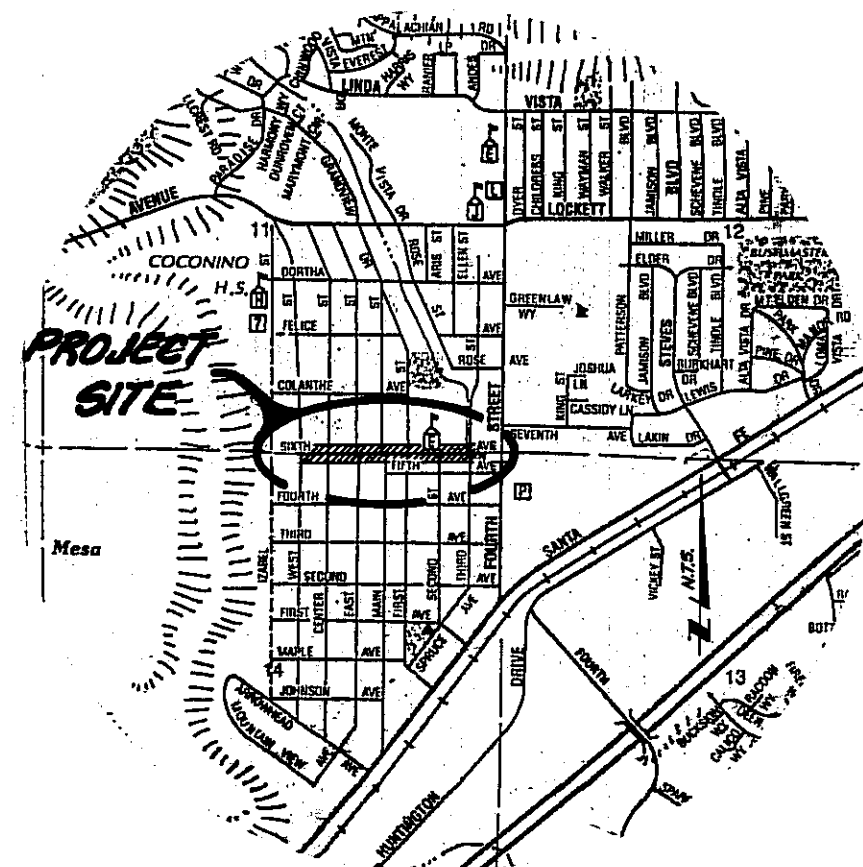
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CITY OF FLAGSTAFF ARIZONA

SIXTH AVENUE RECONSTRUCTION

PROJECT NUMBER 03-86023 (502-90)



VICINITY MAP



ACKNOWLEDGEMENTS

<u>Jeffrey L. Ferguson</u> Arizona Public Service Co.	<u>5-19-88</u> Date
<u>Bennie Wilm</u> Mountain States Telephone Co.	<u>5-13-88</u> Date
<u>Rogers, W. T.</u> Southern Union Gas Co.	<u>5-12-88</u> Date
<u>Ryan W. W.</u> Warner T.V. Cable Co.	<u>5-17-88</u> Date

STATE HEALTH DEPARTMENT APPROVAL

PLANS APPROVED BY ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ).

BY LETTER File Number 880-135 Dated 5/16/88

APPROVED BY

<u>[Signature]</u> City Engineer	<u>7-70-89</u> Date
<u>[Signature]</u> City Public Works Director	<u>3-30-89</u> Date
<u>[Signature]</u> City Utilities Director	<u>3-30-89</u> Date



AS BUILT

Project Number 03-86023 (502-90)
Date Submitted JUNE 16, 1988 - FINAL
Sheet 1 of 25
Folder Number File

**ENGINEERING
DIVISION**

GENERAL NOTES

1. PLAN REVIEW BY THE CITY ENGINEER DOES NOT EXTEND TO MATERIAL QUANTITIES SHOWN ON THESE PLANS.
2. A PUBLIC WORKS PERMIT, ISSUED BY THE CITY, IS REQUIRED FOR ALL WORK IN CITY RIGHTS-OF-WAY OR EASEMENTS AND FOR CONSTRUCTION OF ANY IMPROVEMENTS INTENDED TO BECOME PUBLIC PROPERTY.
3. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE CITY OF FLAGSTAFF "DESIGN CONSTRUCTION STANDARDS AND SPECIFICATIONS" AND THE M.A.G. "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" LATEST EDITION, WITH THE LATEST CITY OF FLAGSTAFF ADDITIONS AND REVISIONS, AND WITH GENERALLY ACCEPTED GOOD CONSTRUCTION PRACTICES. ALL WORK AND MATERIALS WHICH DO NOT CONFORM TO THE STANDARDS AND SPECIFICATIONS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
4. THE CITY SHALL BE NOTIFIED 24 HOURS PRIOR TO BEGINNING DIFFERENT PHASES OF CONSTRUCTION SO THAT INSPECTORS MAY BE SCHEDULED.
5. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE AND APPROVAL OF THE CITY ENGINEER OR HIS REPRESENTATIVE IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
6. THE CITY ENGINEER OR HIS REPRESENTATIVE MAY SUSPEND THE WORK BY WRITTEN NOTICE WHEN, IN HIS JUDGMENT, PROGRESS IS UNSATISFACTORY, WORK BEING DONE IS UNAUTHORIZED OR DEFECTIVE, WEATHER CONDITIONS ARE UNSUITABLE, OR THERE IS DANGER TO THE PUBLIC HEALTH OR SAFETY.
7. THE CITY ENGINEER MAY ORDER ANY OR ALL MATERIALS USED IN THE WORK TO BE TESTED ACCORDING TO A.A.S.H.T.O. AND A.S.T.M. STANDARDS. THE CONTRACTOR SHALL, AT HIS EXPENSE, SUPPLY ALL SAMPLES REQUIRED FOR TESTING.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE STREETS AND OF PARTIALLY COMPLETED PORTIONS OF THE WORK UNTIL FINAL ACCEPTANCE OF THE WORK. ANY STREETS REQUIRED TO BE CLOSED FOR THE CONSTRUCTION ACTIVITY SHALL BE REOPENED WITHIN A REASONABLE TIME UPON ORDER OF THE CITY ENGINEER. THE REGULATION AND CONTROL OF ALL TRAFFIC SHALL BE AS DIRECTED BY THE CITY ENGINEER.
9. APPROVAL OF A PORTION OF THE WORK IN PROGRESS DOES NOT GUARANTEE ITS FINAL ACCEPTANCE. TESTING AND EVALUATION MAY CONTINUE UNTIL WRITTEN FINAL ACCEPTANCE OF A COMPLETE WORKABLE UNIT. ANY DEFECTS WHICH APPEAR IN THE WORK WITHIN ONE YEAR FROM THE DATE OF ACCEPTANCE AND WHICH ARE DUE TO IMPROPER WORKMANSHIP OR INFERIOR MATERIALS SUPPLIED SHALL BE CORRECTED BY OR AT THE EXPENSE OF THE OWNER/DEVELOPER OR THE CONTRACTOR.
10. ACCEPTANCE OF COMPLETED PUBLIC IMPROVEMENTS WILL NOT BE GIVEN UNTIL DEFECTIVE OR UNAUTHORIZED WORK IS REMOVED AND FINAL CLEANUP IS COMPLETE. PUSHERS IN ACCORDANCE WITH A.R.S. 40-360.22. CONTACT "BLUE STAKE" AT 1-800-STAKE-IT.
11. LOCATION OF UNDERGROUND UTILITIES BEFORE WORK IS BEGUN IS TO BE ACCOMPLISHED IN ACCORDANCE WITH A.R.S. 40-360.22. CONTACT "BLUE STAKE" AT 1-800-STAKE-IT.

PAVING NOTES

1. EXACT POINT OF MATCHING TERMINATION AND OVERLAY, IF NECESSARY, SHALL BE DETERMINED IN THE FIELD BY THE CITY ENGINEER.
2. THE PAVING CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADJUSTMENTS OF ALL FRAMES, COVERS, AND VALVE BOXES AS NECESSARY FOR A COMPLETE JOB, OR AS DESIGNATED BY THE CITY ENGINEER.
3. NO PAVING CONSTRUCTION SHALL BE STARTED UNTIL ALL UTILITY LINES ARE COMPLETED UNDER PROPOSED PAVED AREAS.
4. BASE COURSE WILL NOT BE PLACED UNTIL SUBGRADE HAS BEEN APPROVED BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
5. NO JOB WILL BE CONSIDERED COMPLETED UNTIL ALL CURBS, PAVEMENTS, AND SIDEWALKS HAVE BEEN SWEEPED CLEAN OF ALL DIRT AND DEBRIS, AND SURVEY MONUMENTS ARE INSTALLED.
6. THE LOCATION OF ALL WATER VALVES MUST AT ALL TIMES DURING CONSTRUCTION BE REFERENCED AND MADE AVAILABLE TO THE CITY WATER DEPARTMENT.
7. UTILITY FACILITIES IN CONFLICT WITH THIS WORK WILL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANY. THIS ACTIVITY SHALL BE COORDINATED WITH THE CITY UTILITIES DEPARTMENT TO PREVENT AN INTERRUPTION OF SERVICE TO EXISTING CUSTOMERS.
8. EXISTING STREET AND TRAFFIC SIGNS NOTED TO BE REMOVED AND SALVAGED BY THE CONTRACTOR SHALL BE DELIVERED TO THE CITY SIGN SHOP AT 419 N. BONITO STREET. SIGNS NOTED TO BE RELOCATED SHALL BE REMOVED BY THE CONTRACTOR TO A SECURE LOCATION FOR STORAGE UNTIL REINSTALLED. STOP SIGNS AND SPEED LIMIT SIGNS SHALL BE MAINTAINED DURING CONSTRUCTION. ALL SCHOOL WARNING, SCHOOL CROSSING, AND "NO PARKING" SIGNS ADJACENT TO KILLIP SCHOOL SHALL BE MAINTAINED DURING CONSTRUCTION WHILE SCHOOL IS IN SESSION.
9. ALL CURB CUTS ARE TO BE STAKED IN THE FIELD.

WATER AND SEWER NOTES

1. ROUGH GRADING MUST BE COMPLETED WITHIN ONE-TENTH OF A FOOT OF PLAN GRADE PRIOR TO INSTALLATION OF UNDERGROUND UTILITIES.
2. NO TRENCH SHALL BE FILLED WITH BEDDING MATERIAL OR BACKFILL UNTIL THE EXCAVATION AND PIPE LAYING, RESPECTIVELY, HAVE BEEN APPROVED BY THE CITY ENGINEER'S AUTHORIZED REPRESENTATIVE.
3. A PRESSURE TEST IS REQUIRED OF ALL WATER LINES, AND A HYDROSTATIC OR AIR TEST IS REQUIRED OF ALL SEWER LINES. TESTS ARE TO BE CONDUCTED AFTER BACKFILLING IS COMPLETE AND COMPACTED.
4. WATER AND SEWER SERVICE LINES ARE TO BE MARKED AS SHOWN ON THE STANDARD SERVICE DETAILS.
5. WATER LINE DISINFECTION IS TO BE ACCOMPLISHED AS OUTLINED IN ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) ENGINEERING BULLETIN NO. 8.
6. WATER PIPE CLASSIFICATION SHALL BE CLASS 200 FOR AWWA C-900 PVC, AND CLASS 50 FOR DUCTILE IRON UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. C-900 SHALL CONFORM TO CAST-IRON-EQUIVALENT OUTSIDE DIAMETER AND HAVE ELASTOMERIC GASKETS AND COUPLINGS. ALL DUCTILE IRON PIPE LINES SHALL BE POLYETHYLENE ENCASED IN ACCORDANCE WITH MAG SPECIFICATIONS.
7. ALL PUBLIC SANITARY SEWER LINES WILL BE LAMP INSPECTED PRIOR TO ACCEPTANCE BY THE CITY. THE CITY MAY REQUIRE TELEVISION INSPECTION WHERE DEEMED NECESSARY BY THE CITY.
8. WHEN A SEWER CROSSES A WATER PIPE AT A POINT AT WHICH THE SEWER IS 2 FEET OR MORE BELOW THE WATER PIPE, NO EXTRA PROTECTION IS REQUIRED. AT ALL OTHER CROSSINGS, THE SEWER SHALL BE CONSTRUCTED OF DIP WITH MECHANICAL JOINTS FOR A PERPENDICULAR DISTANCE OF AT LEAST 6 FEET IN EACH DIRECTION FROM THE WATER PIPE, OR AS AN ALTERNATE, BOTH THE WATER AND SEWER SHALL BE ENCASED IN CONCRETE OF 6 INCHES MINIMUM THICKNESS FOR THE SAME DISTANCE. REFER TO MAG STANDARD DETAIL NO. 404 (PER ADEQ REQUIREMENTS). IN CASES WHERE THE WATER MUST BE BELOW THE SEWER, THE WATER SHALL BE AT LEAST 2 FEET BELOW THE SEWER.
9. THE SEWER LINE SHALL BE TESTED FOR INFILTRATION/EXFILTRATION PER ADEQ ENGINEERING BULLETIN NO. 11, WHEN HYDROSTATIC TESTING IS PERFORMED. THE MAXIMUM ALLOWABLE INFILTRATION/EXFILTRATION SHALL BE 0.158 GALLONS/INCH DIAMETER/HOUR/100 FEET. AIR TESTING IS TO BE DONE IN ACCORDANCE WITH THE APPLICABLE SECTION OF MAG SPECIFICATIONS.
10. SEWER PIPE SHALL BE SDR 35, ASTM D3034 FOR PVC PIPE, VCP EXTRA STRENGTH, OR CLASS 50 DIP CEMENT MORTAR LINED. ALL DUCTILE IRON PIPE LINES SHALL BE POLYETHYLENE ENCASED IN ACCORDANCE WITH MAG SPECIFICATIONS.
11. JOINT DEFLECTIONS TO BE A MAXIMUM OF ONE-HALF OF MANUFACTURER'S RECOMMENDED (e.g., 2.5" FOR 8" DIA. M.J.D.I.P.).

NOTICE TO CONTRACTORS

1. THE DEPTH AND LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES PRIOR TO ANY EXCAVATION TO VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATION OF THEIR UTILITY.
2. QUANTITIES ARE FOR PRELIMINARY COST ESTIMATING AND SHOULD NOT BE USED AS A BASIS FOR CONTRACTS OR BIDS. THE ACTUAL BID QUANTITIES CAN BE FOUND IN THE CONTRACT DOCUMENTS.
3. WESTERN TECHNOLOGIES, INC. HAS PREPARED REPORT NO. 2527J105 INCLUDING ADDENDUM NO. 1 FOR THIS PROJECT, AND IS INCLUDED IN THE CONTRACT DOCUMENTS.

SPECIAL NOTES

1. CURB GRADES ALONG CURBS WILL VARY FROM THE CENTERLINE GRADE SHOWN DUE TO AN INCREASE OR DECREASE IN ARC LENGTH. IN CURB LAYOUT USE CENTERLINE GRADE TO CONTROL END POINTS AND ADJUST SLOPE FOR LENGTH DIFFERENCE. CENTERLINE GRADES WILL NOT CHANGE.
2. CONTRACTOR SHALL PROVIDE ALL REQUIRED STAKING ON THE PROJECT INCLUDING WATER, SEWER, PAVING, AND DRAINAGE.
3. THE BID FOR CROSS GUTTER AND APRON SHALL INCLUDE THE SIDEWALK BEHIND THE CURB AS SHOWN ON THE CITY OF FLAGSTAFF STANDARD DRAWING NO. J-20.10.
4. THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY IF THERE IS ANY CLARIFICATION OR DISCREPANCY ON THESE PLANS WHICH COMES TO HIS ATTENTION.
5. THE CONTRACTOR SHALL NOTIFY "BLUE STAKE" PRIOR TO CONSTRUCTION TO LOCATE ALL UNDERGROUND UTILITIES IN THE AREA. PHONE 779-5139.
6. THE CONTRACTOR SHALL COOPERATE FULLY WITH THE CITY OF FLAGSTAFF AND THE UTILITY COMPANIES WITH THE ADJUSTMENT OF OTHER UTILITIES AND SITE DEVELOPMENT.

APPROXIMATE QUANTITIES

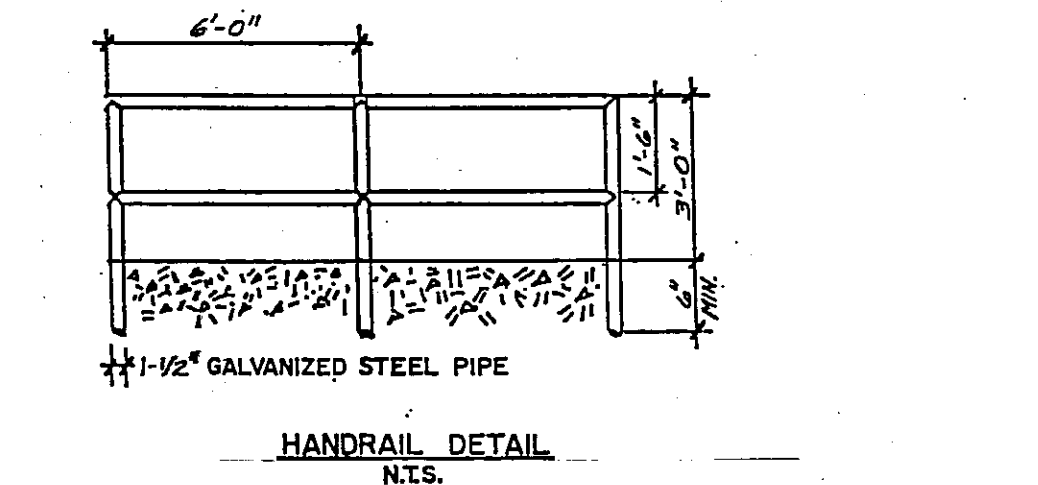
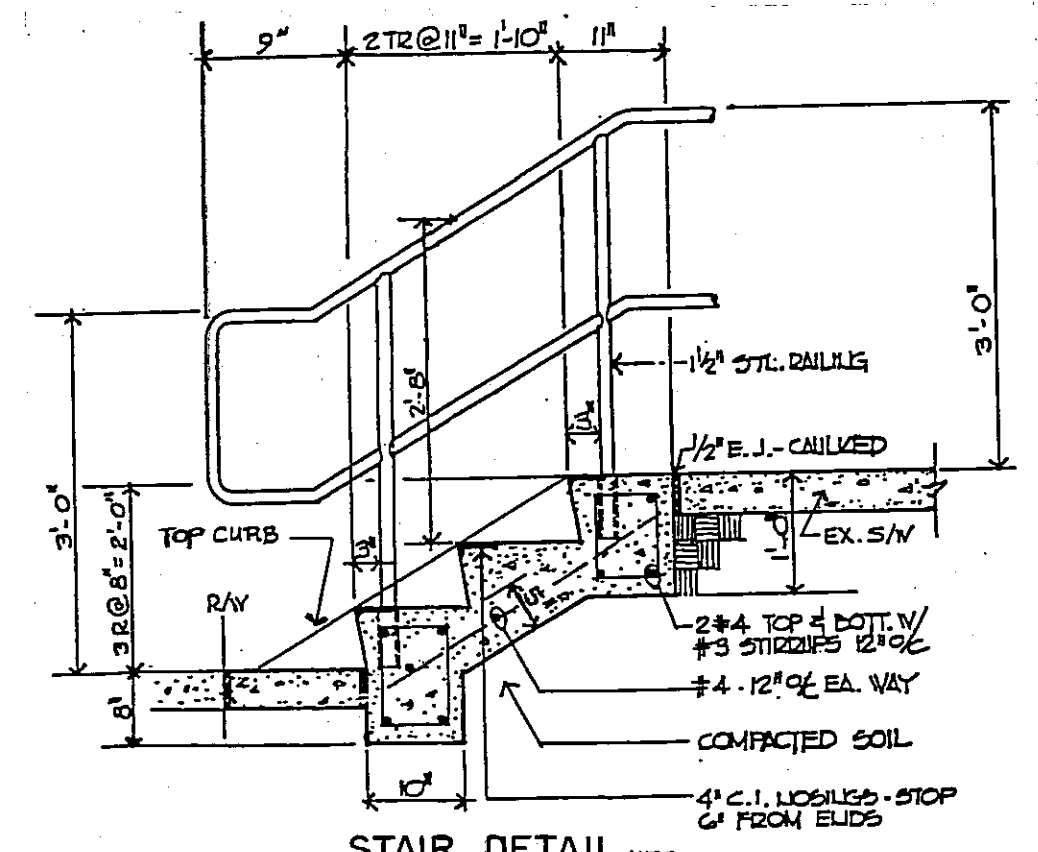
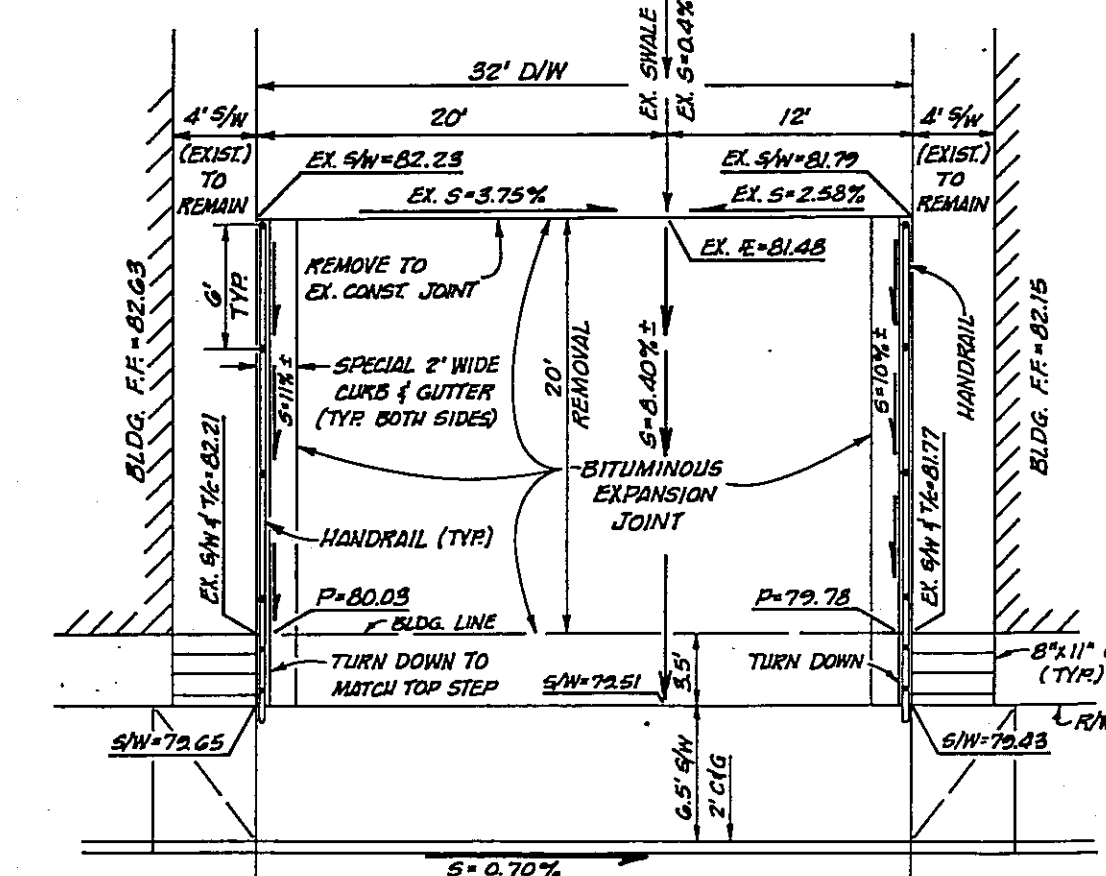
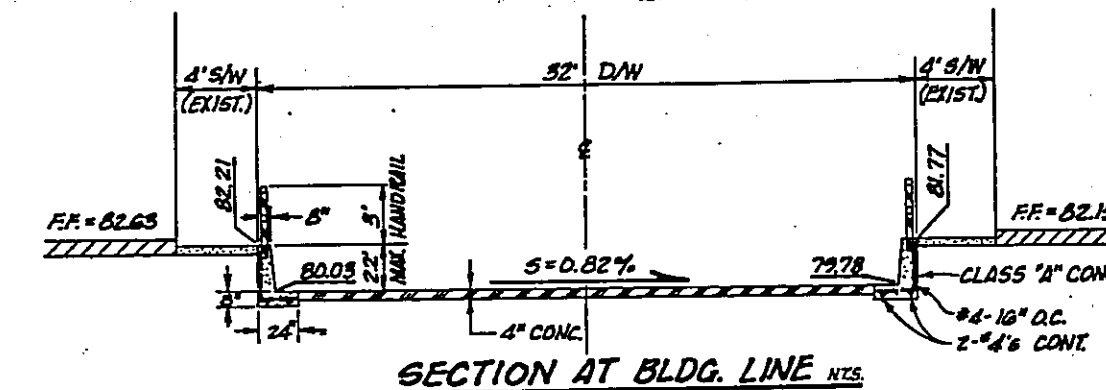
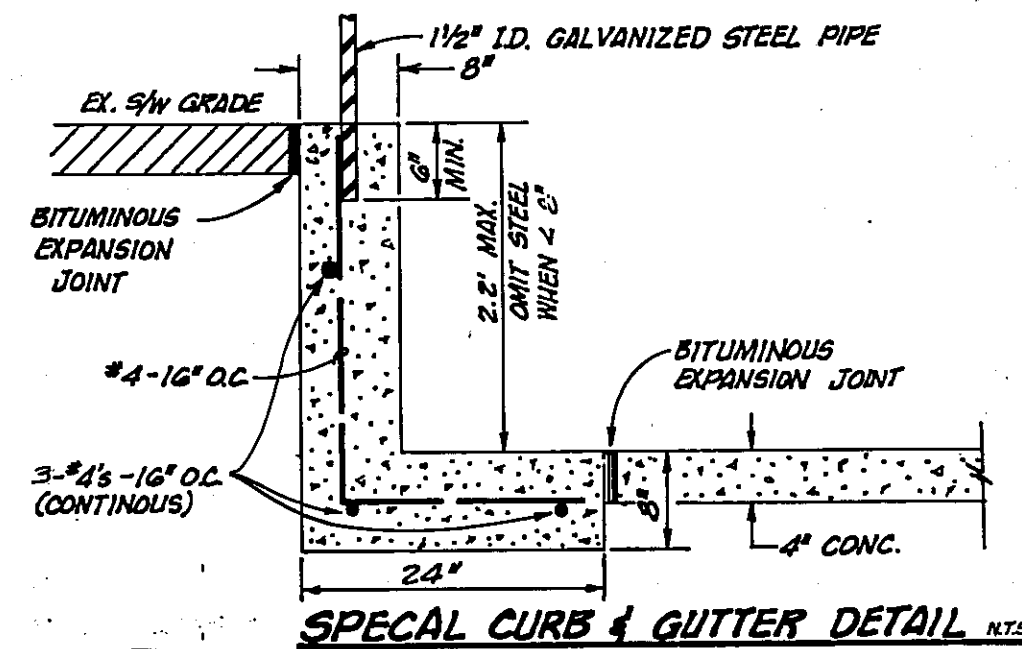
Item No.	Description	Unit and Approx. Quantity
1.	Remove existing concrete curb & gutter	676 L.F.
2.	Remove existing concrete pavement	1520 S.F.
3.	Remove existing concrete sidewalk	3985 S.F.
4.	Remove existing AC sidewalk	1795 S.F.
5.	Remove existing catch basin	7 Ea.
6.	Remove existing headwall	2 Ea.
7.	Adjust existing catch basin	9 Ea.
8.	Remove & salvage existing storm drain pipe	518 L.F.
9.	Remove 4-inch and less dia. waterline	671 L.F.
10.	Remove 6-inch dia. waterline	133 L.F.
11.	Remove 8-inch dia. waterline	1979 L.F.
12.	Remove trees 12-inch dia. or larger	8 Ea.
13.	Adjust manhole	13 Ea.
14.	Adjust sewer cleanout	1 Ea.
15.	Adjust water valve box	13 Ea.
16.	Adjust water meter box	11 Ea.
17.	Subgrade preparation	17,428 S.Y.
18.	C-374 AC pavement	2843 Ton
19.	Thickened edge	2405 L.F.
20.	Aggregate Base	6730 Ton
21.	Aggregate Base under curb & gutter	179 Ton
22.	Concrete curb & gutter, Type "A"	4464 L.F.
23.	Concrete driveway entrance	5311 S.F.
24.	Concrete sidewalk	17,044 S.F.
25.	Concrete apron and cross gutter	4264 S.F.
26.	C.O.P. standard gutter single-inlet catch basin	1 Ea.
27.	C.O.P. standard gutter double-inlet catch basin	7 Ea.
28.	A.D.O.T. comb. curb & gutter single-inlet catch basin	9 Ea.
29.	A.D.O.T. comb. curb & gutter double-inlet catch basin	6 Ea.
30.	Median catch basin	1 Ea.
31.	18-inch dia. RGRCP (Class I) salvaged	204 L.F.
32.	18-inch dia. RGRCP (Class II or III) salvaged	45 L.F.
33.	18-inch dia. RGRCP storm drain pipe	679 L.F.
34.	24-inch dia. RGRCP storm drain pipe	42 L.F.
35.	22 x 13-inch dia. RGRCP storm drain pipe	74 L.F.
36.	Standard survey monument	11 Ea.
37.	Fire hydrant relocation	7 Ea.
38.	8-inch dia. poly-wrapped MJDIP (Class 50)	2650 L.F.
39.	6-inch dia. PVC (Class 200) waterline	133 L.F.
40.	8-inch dia. gate valve, box, & cover	16 Ea.
41.	6-inch dia. gate valve, box, & cover	1 Ea.
42.	ABC driveway connection	685 S.Y.
43.	AC driveway connection	541 S.Y.
44.	Concrete driveway connection	992 S.F.
45.	Concrete encasement	72 L.F.
46.	Tree well	6 Ea.
47.	Earthwork	11 Ea.
48.	Miscellaneous removal and other work	1 L.S.
49.	Traffic control	1 L.S.
50.	Preservative seal coat	1395 Gal.
51.	Remove & salvage existing gate valve, box, & cover	1 Ea.
52.	Remove existing manhole, construct manhole	1 Ea.
53.	Air release valve	3 Ea.
54.	Pavement marking and striping	1 Ea.
55.	New street signs and bases	15 Ea.

LEGEND

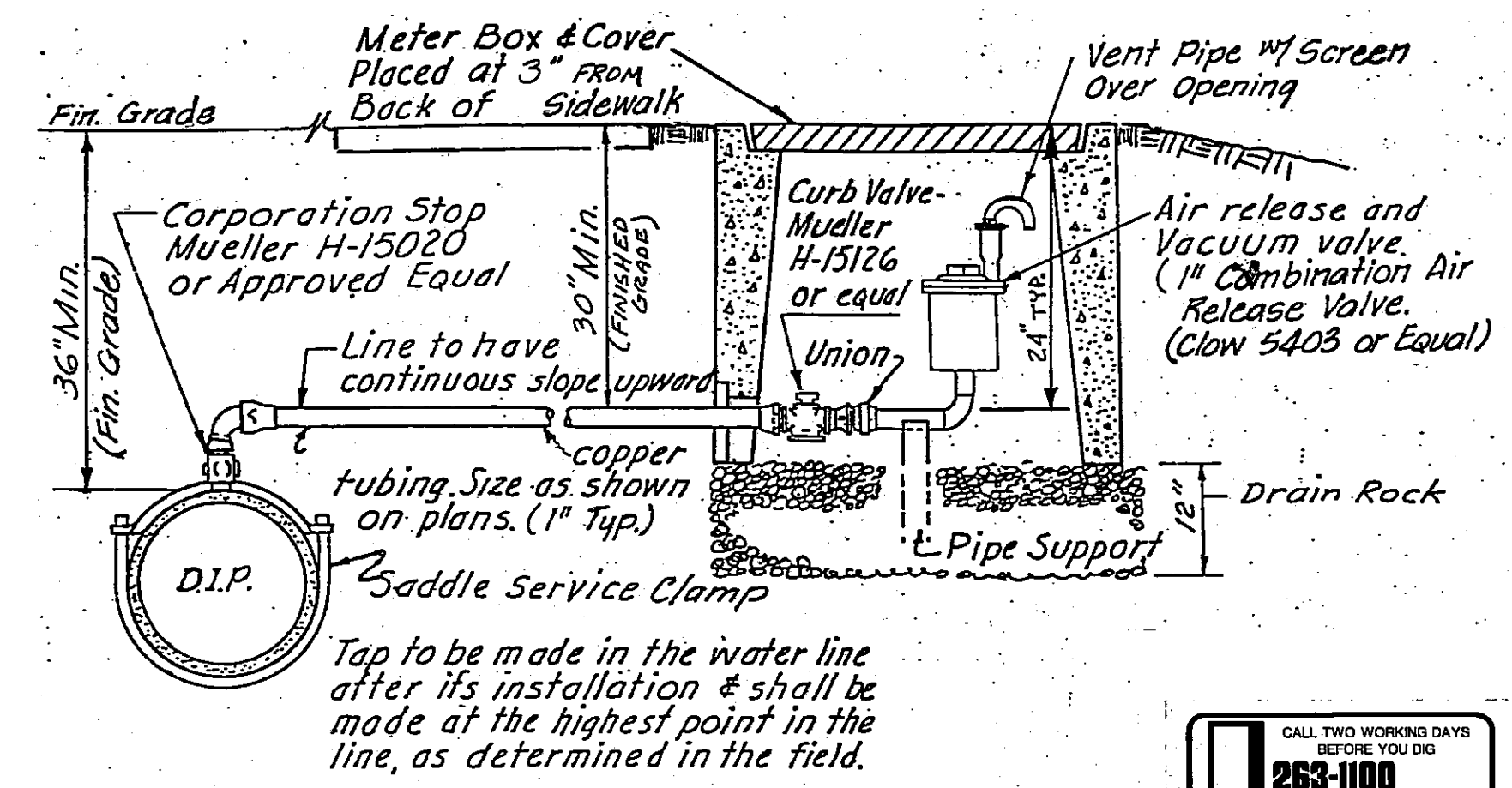
	EXIST. MANHOLE		RELOCATED FIRE HYDRANT
	EXIST. CATCH BASIN		EXIST. WATER VALVE
	NEW CATCH BASIN		EXIST. GAS METER
	EXIST. RCP OR CMP (SIZE AS NOTED)		EXIST. WATER METER
	NEW RCP (SIZE AS NOTED)		EXIST. MAIL BOX
	EXIST. POWER POLE		SURVEY MONUMENT
	EXIST. STREET SIGN		4 FOOT CURB TERMINATION
	EXIST. TRAFFIC SIGN OR DELINEATOR		DECIDUOUS TREE (SIZE AS NOTED)
	TELEPHONE RISER		PINE TREE (SIZE AS NOTED)
	EXIST. FIRE HYDRANT		FINISH FLOOR ELEVATION
	EXIST. FENCE (TYPE AS NOTED)		DOWN GUY
	SLOPE EASEMENT (AS SHOWN)		

SHEET INDEX

SHEET No.	DESCRIPTION	SHEET No.	DESCRIPTION
1	COVER SHEET	12	MAIN ST. - PAVING & DRAINAGE PLAN
2	NOTES, QUANTITIES & INDEX SHEET	13	FIRST ST. - PAVING & DRAINAGE PLAN
3	TYP. STREET SECTIONS & MISC. DETAILS	14	SECOND ST. - PAVING & DRAINAGE PLAN
4	WEST ST. - PAVING & DRAINAGE PLAN	15	THIRD ST. - PAVING & DRAINAGE PLAN
5	SIXTH AVE. - PAVING & DRAINAGE PLAN	16	X-SECTIONS (SIXTH AVE. STA. 4+00 TO 8+75)
6	SIXTH AVE. - PAVING & DRAINAGE PLAN	17	X-SECTIONS (SIXTH AVE. STA. 9+00 TO 13+75)
7	SIXTH AVE. - PAVING & DRAINAGE PLAN	18	X-SECTIONS (SIXTH AVE. STA. 14+00 TO 18+75)
8	SIXTH AVE. - PAVING & DRAINAGE PLAN	19	X-SECTIONS (SIXTH AVE. STA. 19+00 TO 23+75)
9	SIXTH AVE. - PAVING & DRAINAGE PLAN	20	X-SECTIONS (SIXTH AVE. STA. 24+00 TO 25+01)
10	CENTER ST. - PAVING & DRAINAGE PLAN	21	X-SECTIONS (DRAINAGE PROFILES) LATERAL CONNECTION DETAILS
11	EAST ST. - PAVING & DRAINAGE PLAN	22	X-SECTIONS (DRAINAGE PROFILES) 3' x 10' CATCH BASIN DETAIL
		23	STREET SIGNING PLAN
		24	STREET MARKING PLAN
		25	TRAFFIC CONTROL PLAN



D/W DETAIL N.T.S. STA. 13+57.70



AS BUILT

Coconino Engineering
1885 E. Butler Avenue Flagstaff, Arizona 86001 (602) 774-9512

CITY OF FLAGSTAFF, ARIZONA
SIXTH AVE. RECONSTRUCTION
NOTES, QUANTITIES & INDEX
PROJECT NUMBER 03-86023(502-90)

SCALE: 1" = 10' Vert
1" = 10' Horiz

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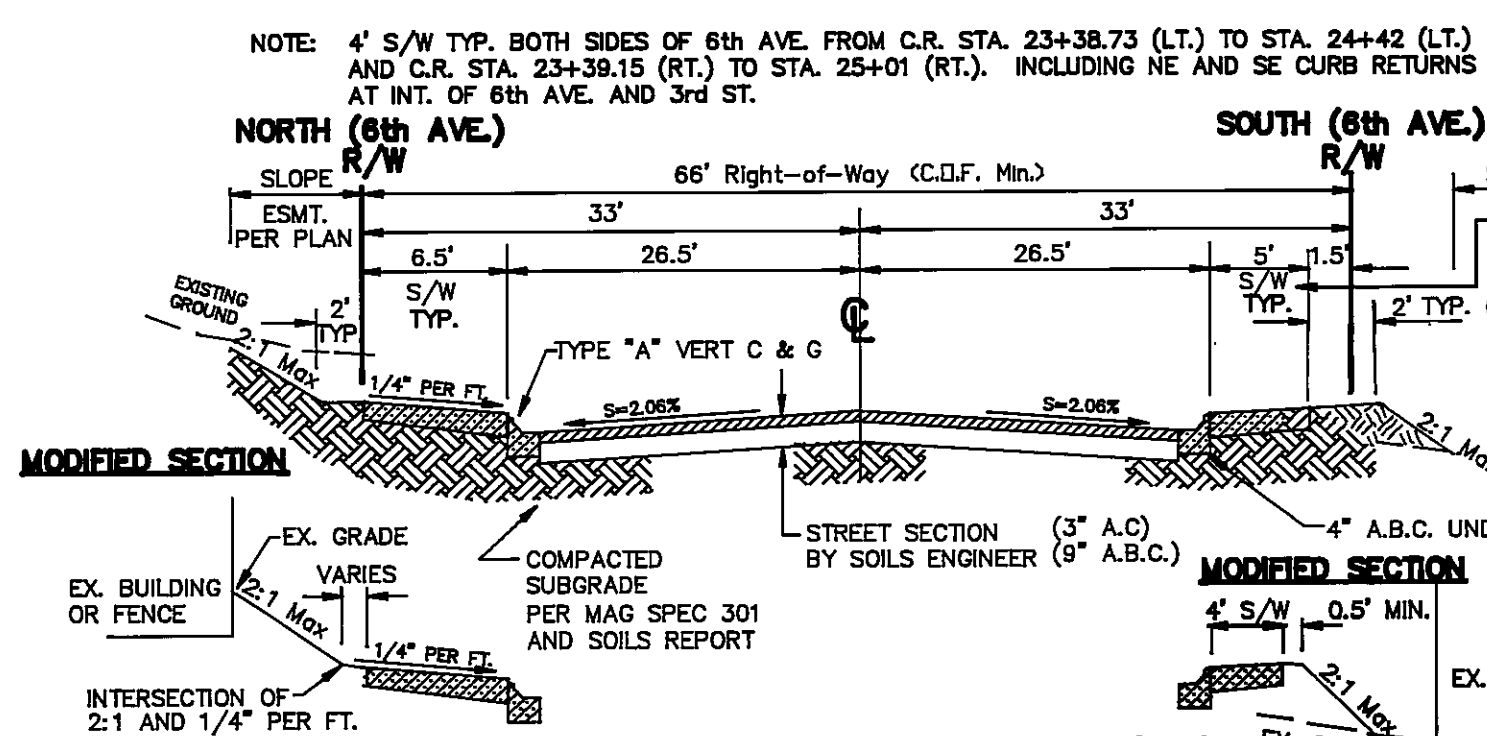
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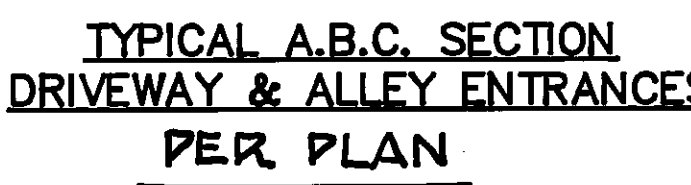
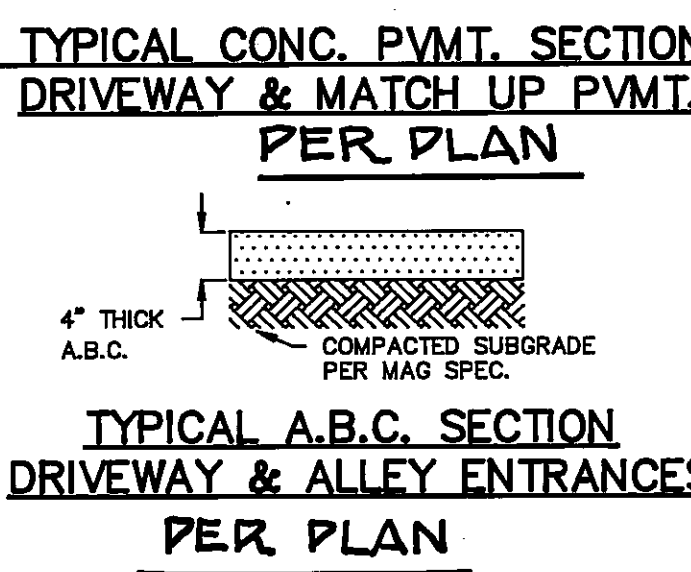
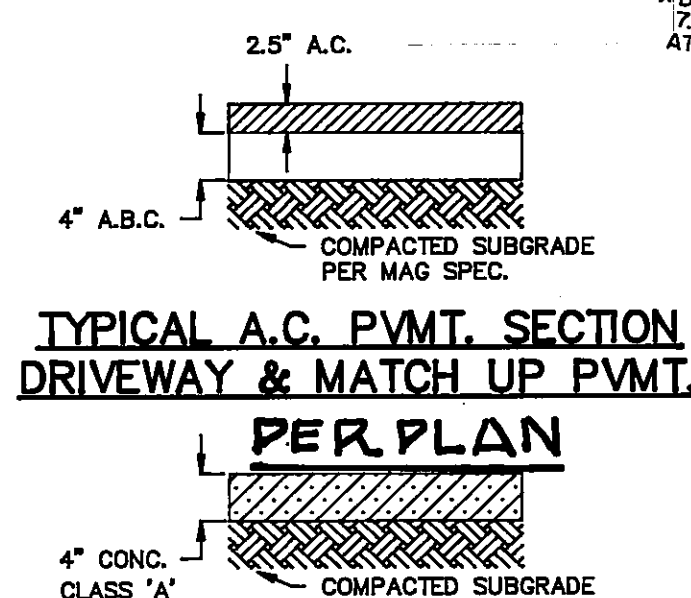
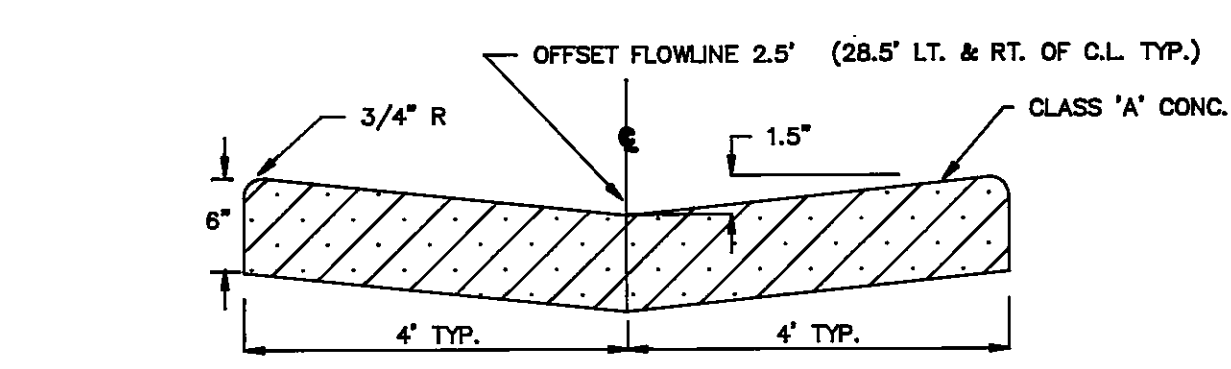
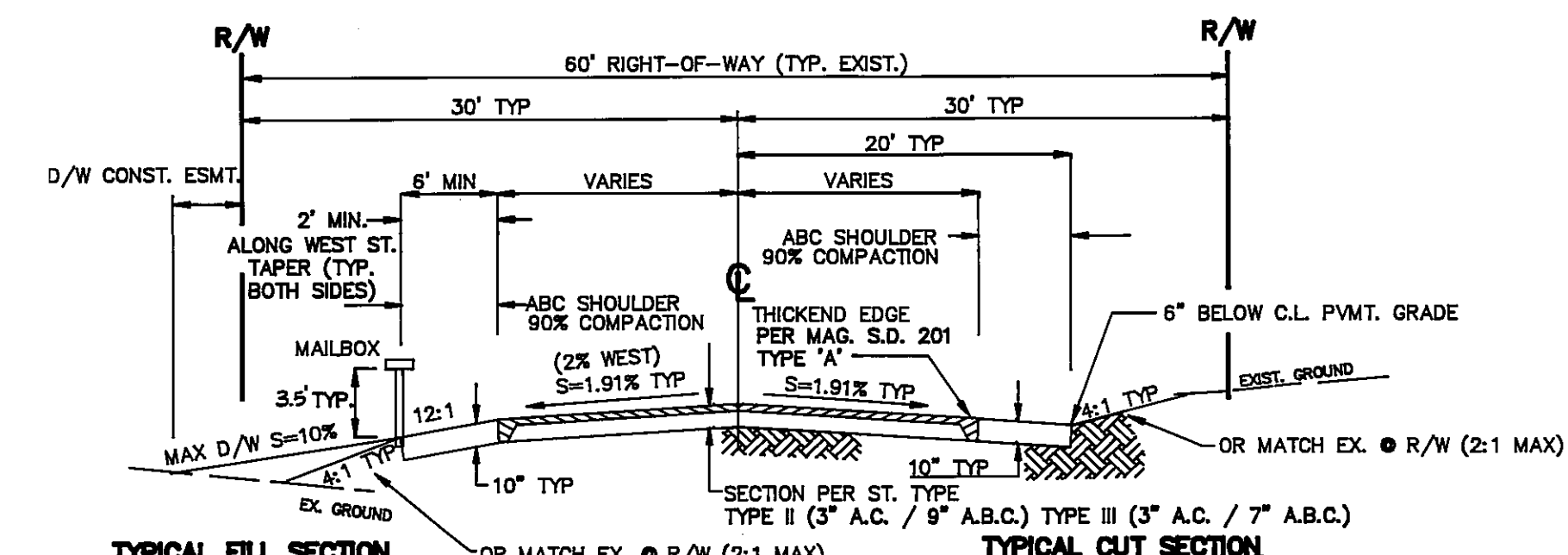
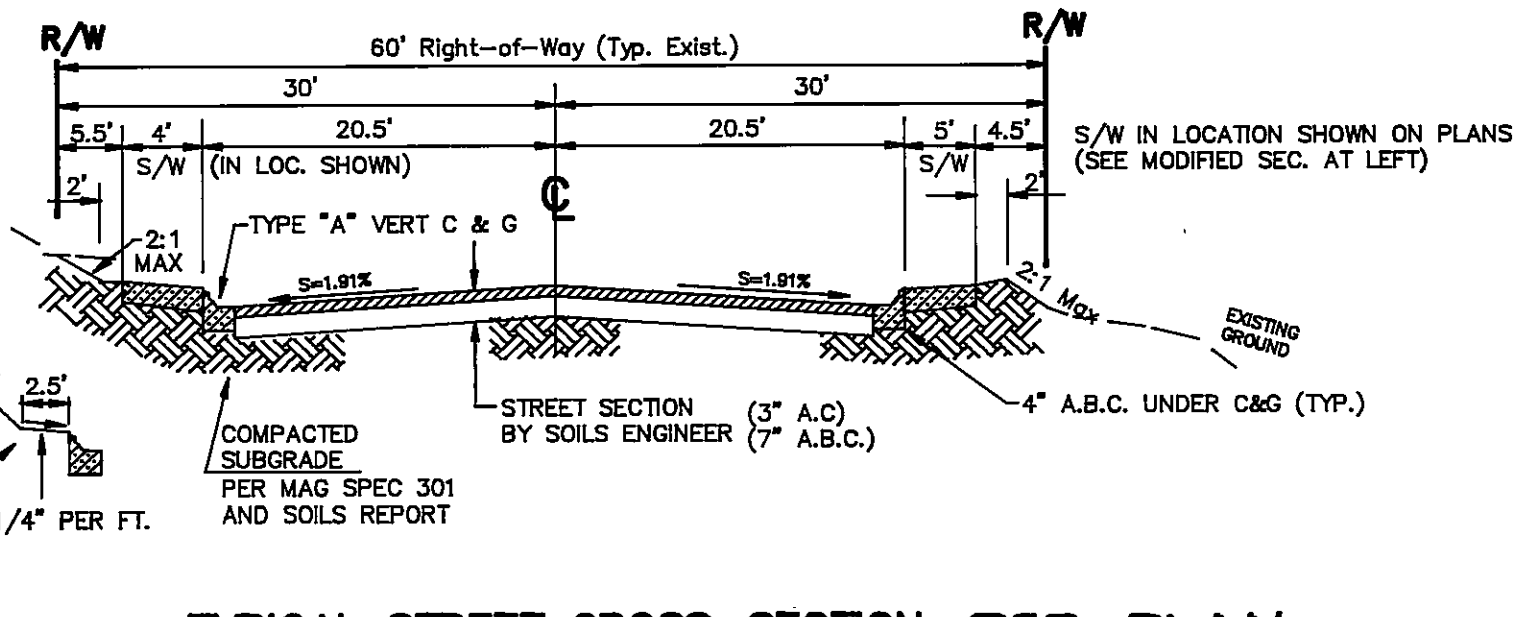
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REVISIONS:
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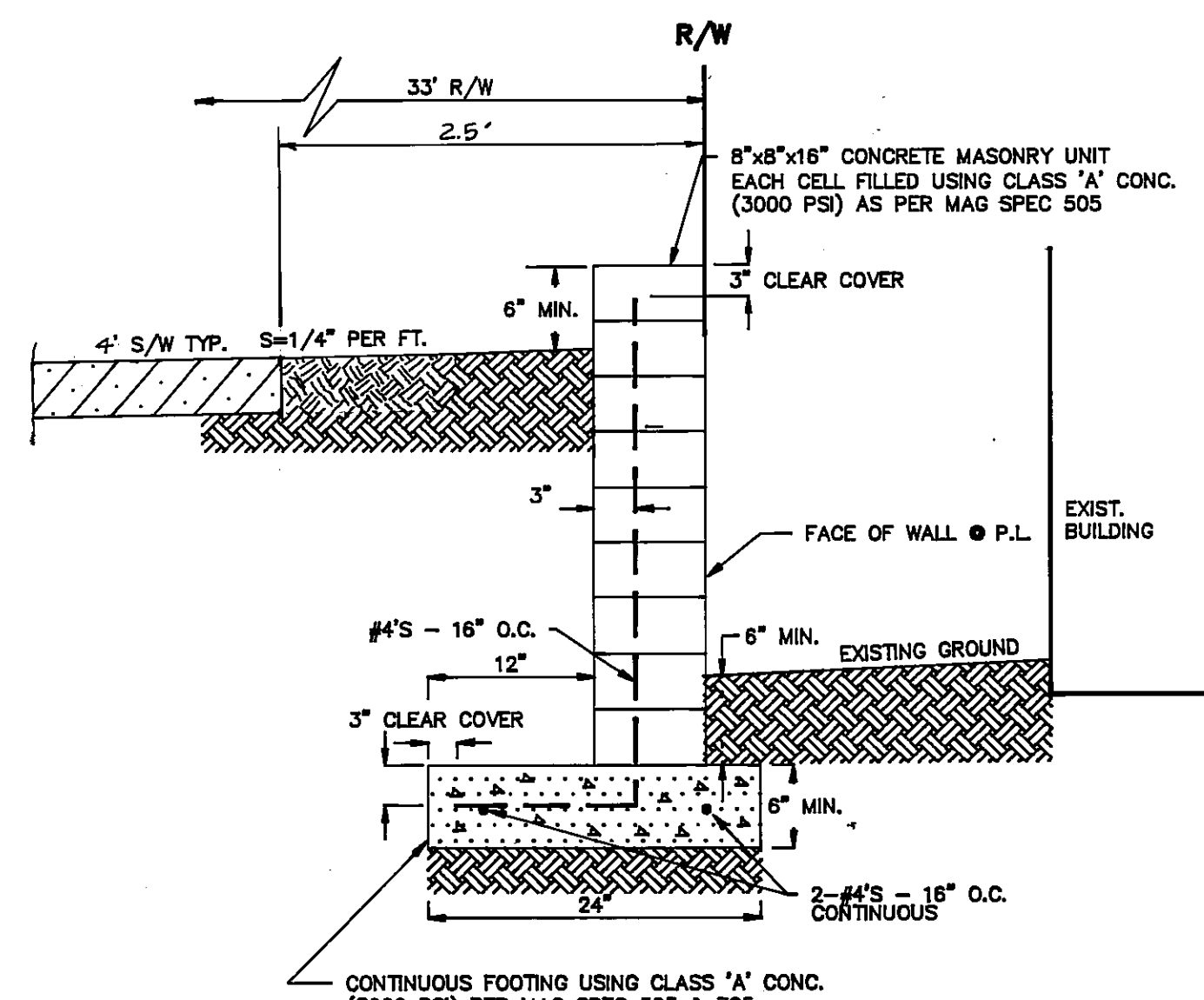
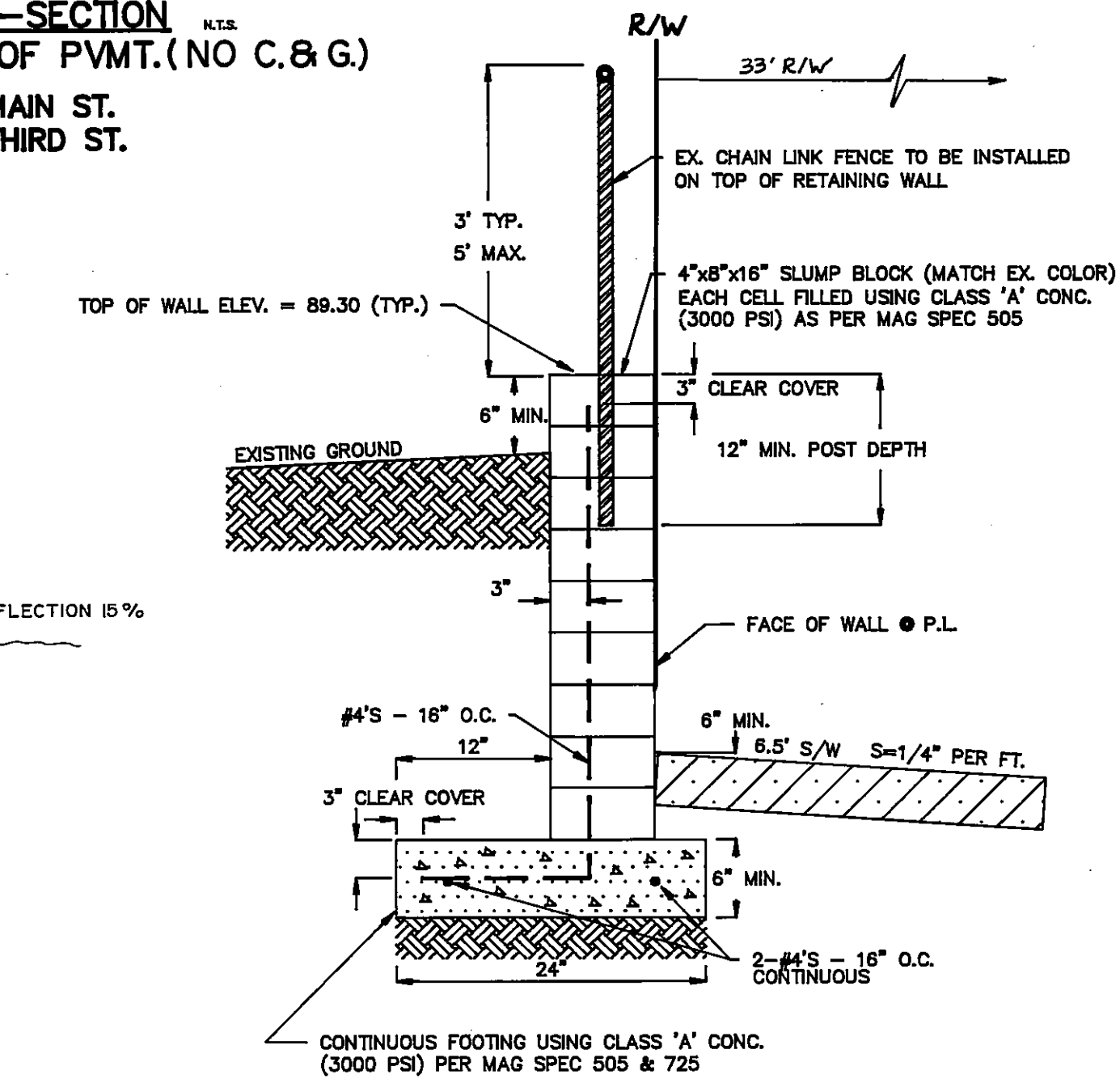
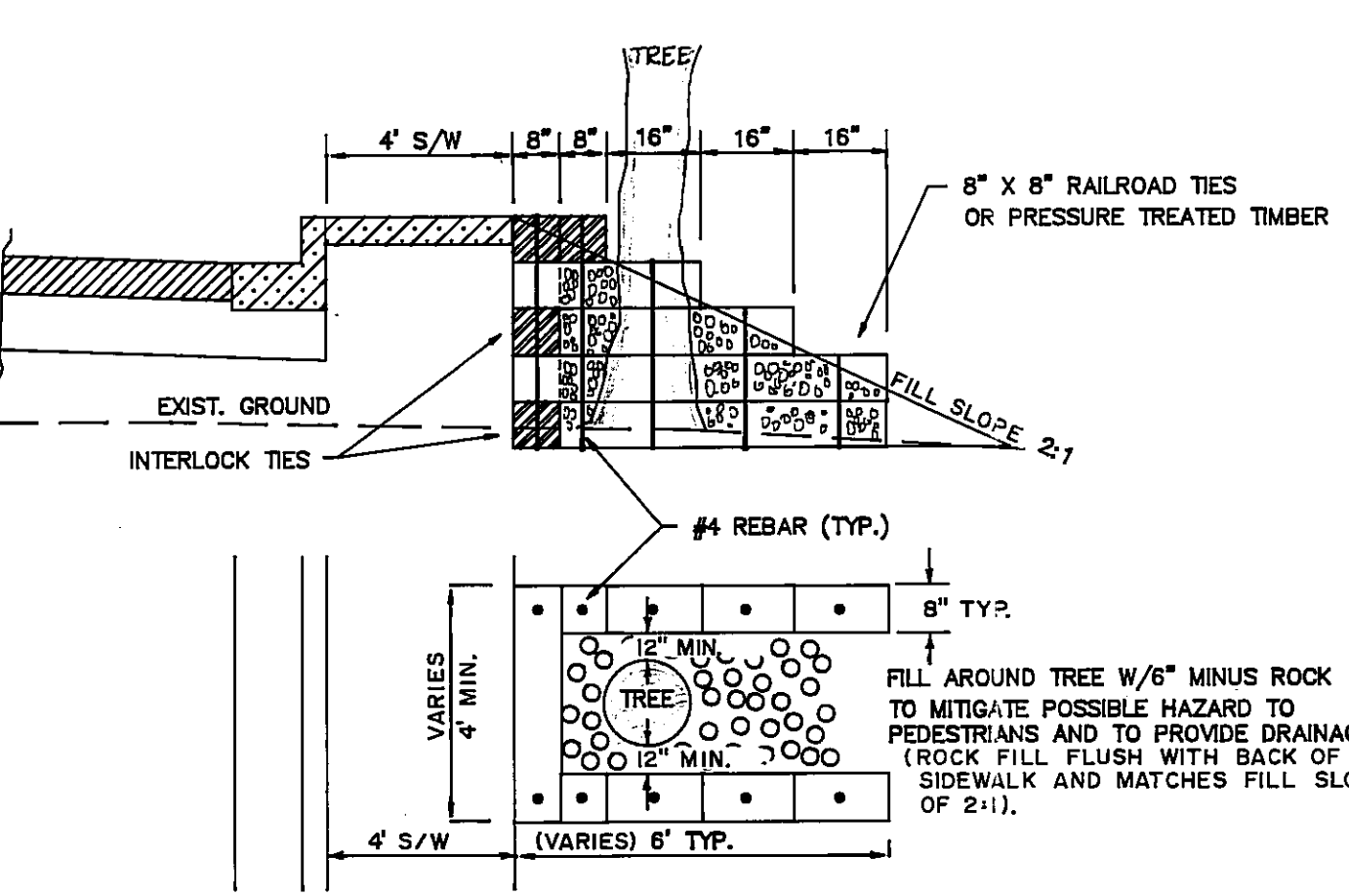
SHEET 2 OF 25
JOB No. 87288



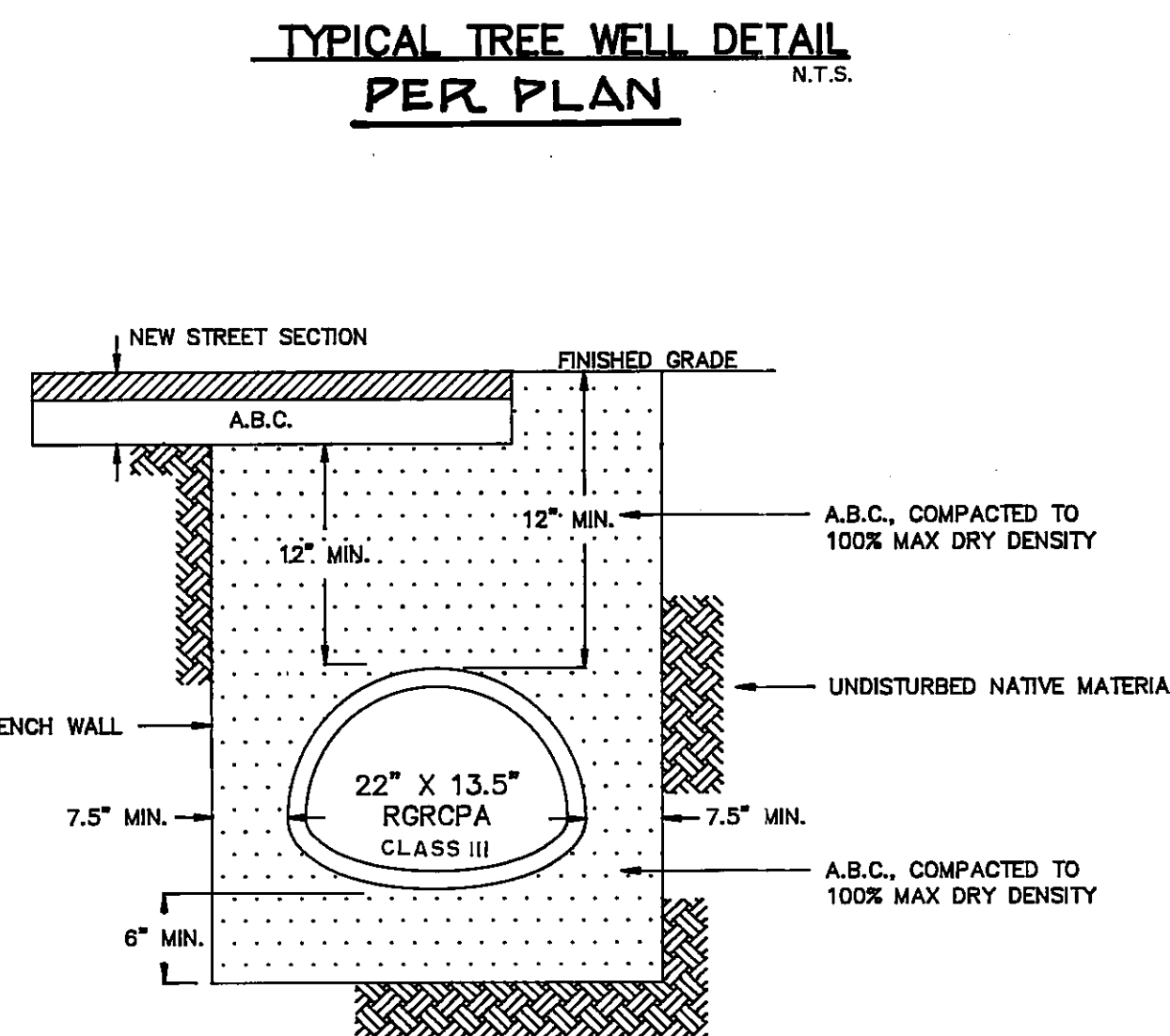
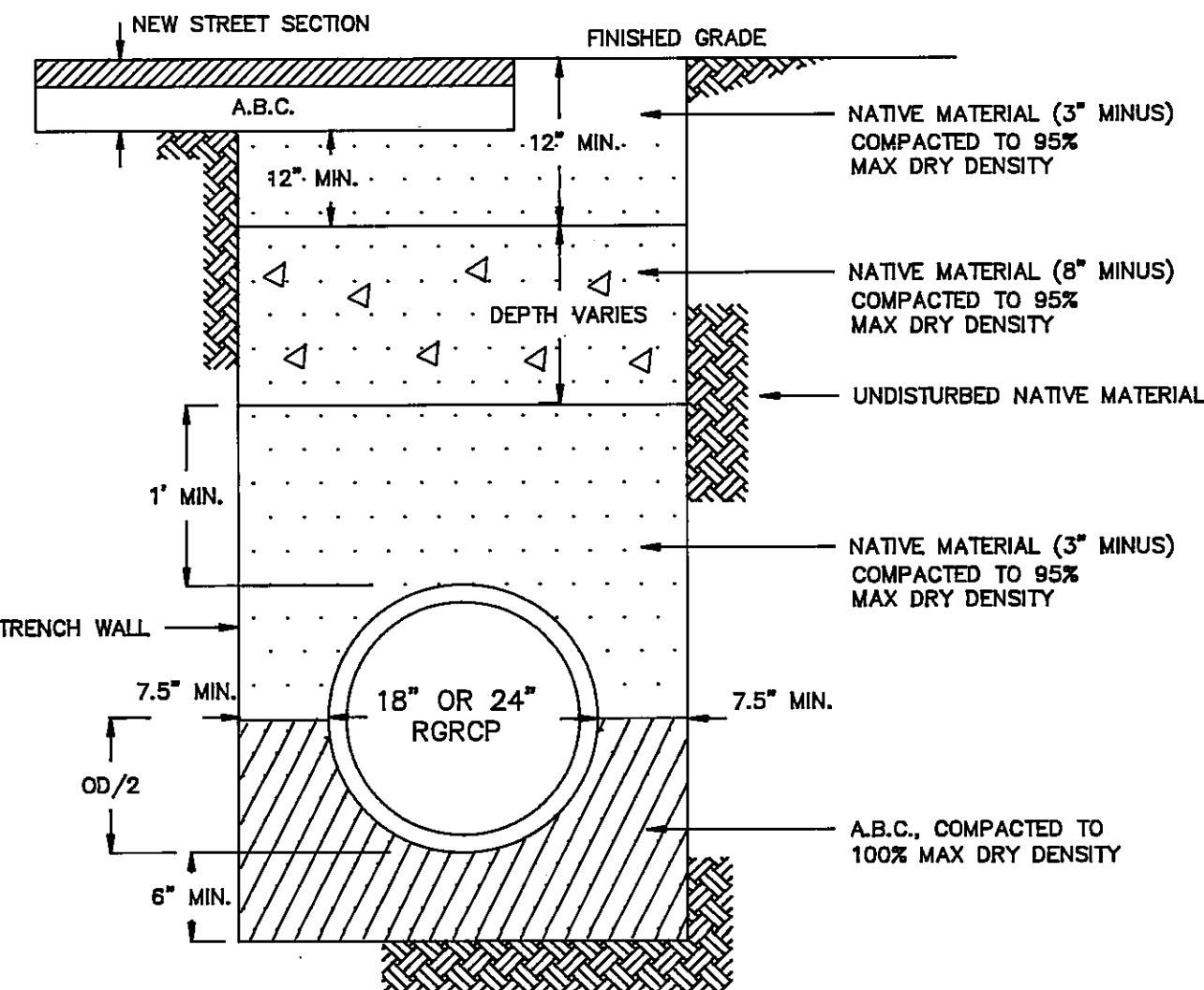
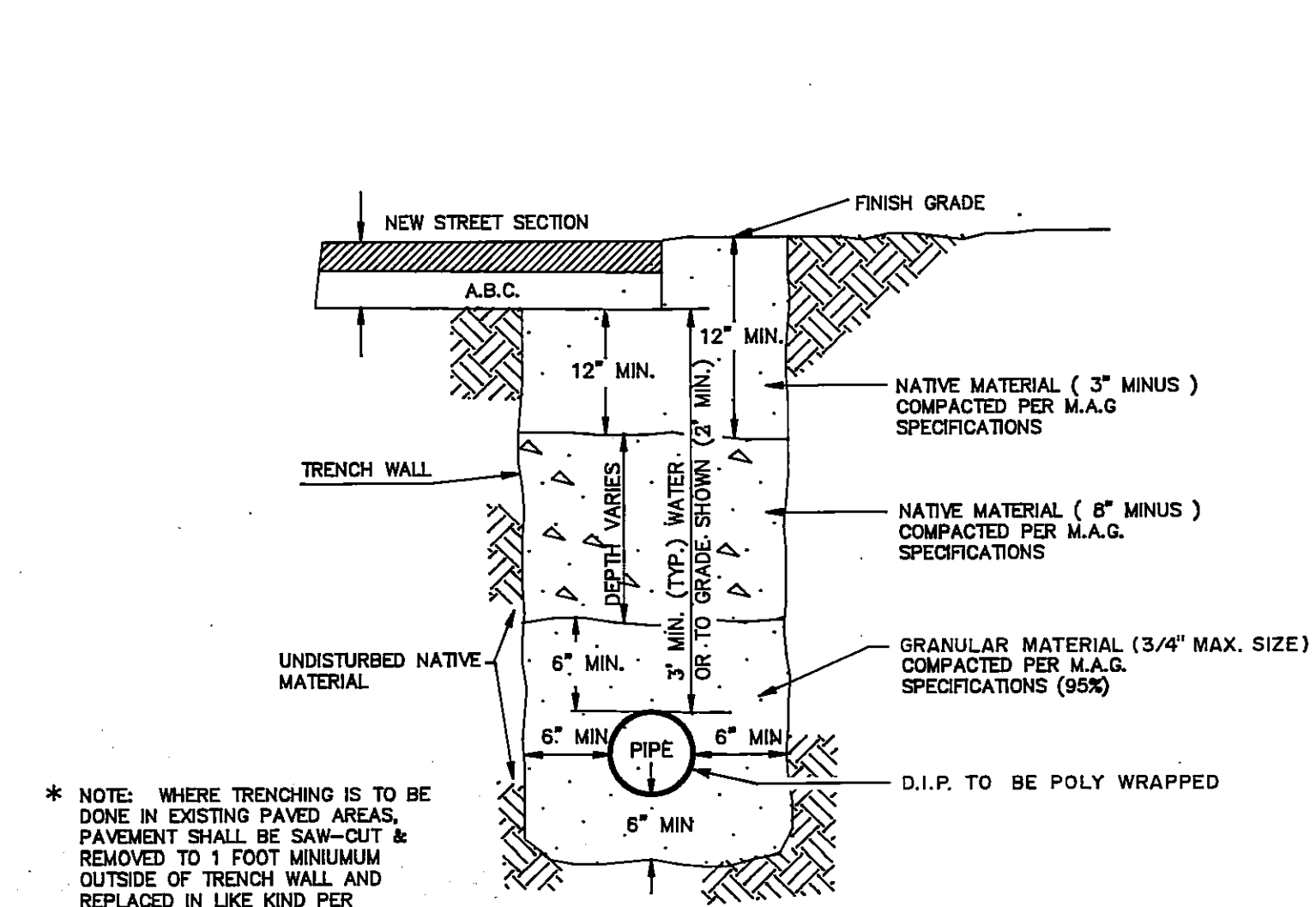
SOILS REPORT PREPARED BY:
WESTERN TECHNOLOGIES INC.
JOB No. 2527J105 & ADD. 1
2400 E. HUNTINGTON DR.
FLAGSTAFF, ARIZONA 86001
(602) 774-8708



TYPICAL DRIVEWAY TRANSITION DETAIL
ALLEY & DRIVEWAY ENTRANCES W/CURB & GUTTER.
N.T.S.
* (SEE CROSS-SECTION SHEETS 16-20 FOR ADDITIONAL CONTROL)



TYPICAL CURB TERMINATION DETAIL
USED C.O.F. STD. J-20.00

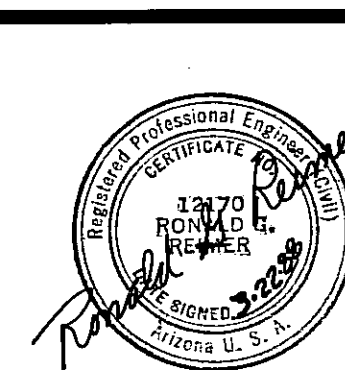


* NOTE: WHERE TRENCHING IS TO BE DONE IN EXISTING PAVED AREAS, PAVEMENT SHALL BE SAW-CUT & REMOVED TO 1 FOOT MINIMUM OUTSIDE OF TRENCH WALL AND REPLACED IN LIKE KIND PER M.A.G. STD. DETAIL No. 200, T-TOP. NO PAVEMENT SHALL BE MADE FOR ANY TEMP. P.V.M.T. REPLACEMENT.

NOTE: IF NATIVE MATERIAL UNSUITABLE, BACKFILL MATERIAL TO BE IN ACCORDANCE WITH M.A.G. SPEC. 601.

TYPICAL RGRCPA BEDDING DETAIL
PER PLAN

AS BUILT

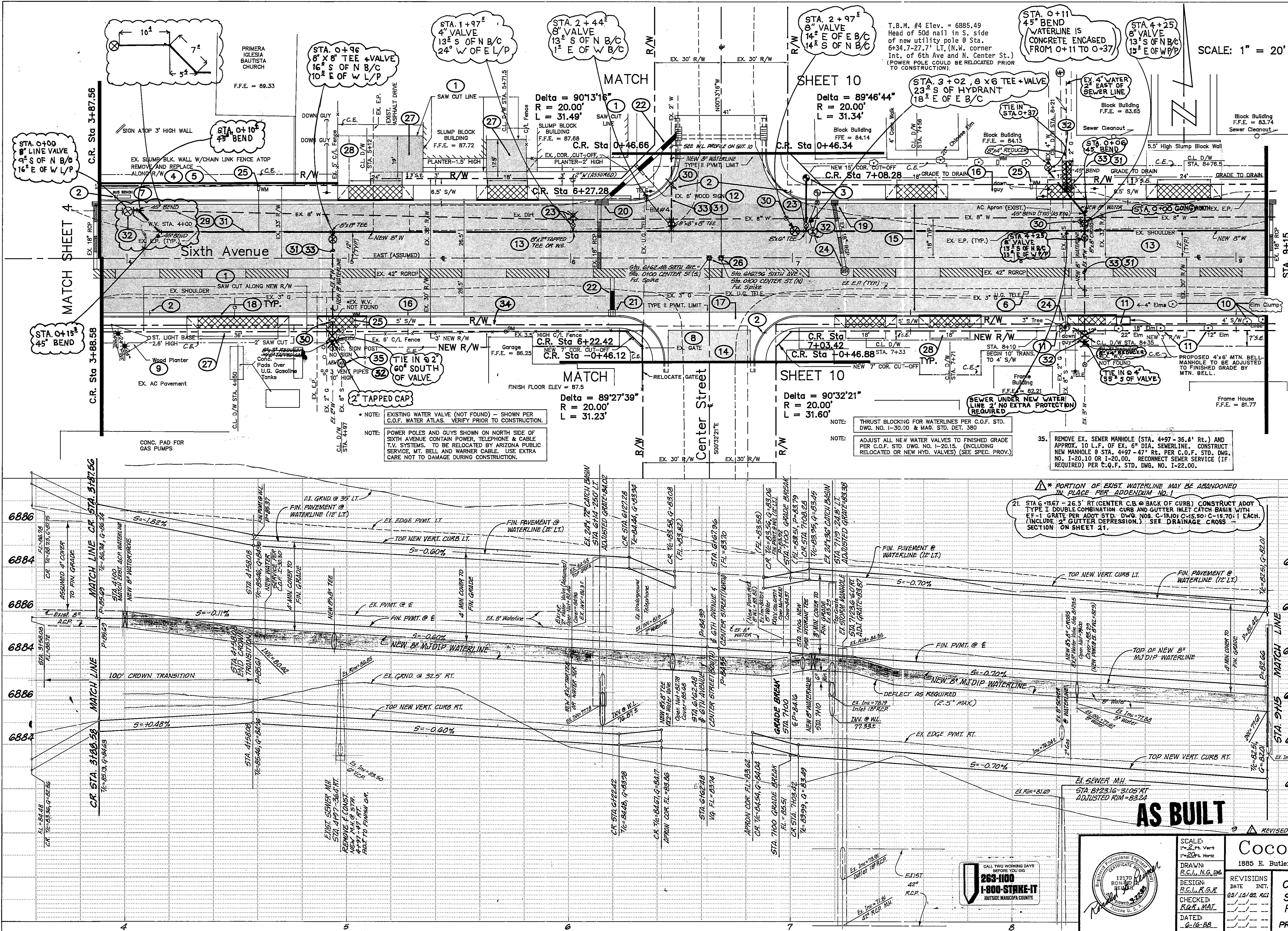


Coconino Engineering 1885 E. Butler Avenue Flagstaff, Arizona 86001 (602) 774-9512	
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DESIGN: R.C.U.	3/14/82 62
CHECKED: R.G.R.	
DATED: 2-16-88	
CITY OF FLAGSTAFF, ARIZONA SIXTH AVE. RECONSTRUCTION STREET SECTIONS - MISC. DETAILS PROJECT NUMBER 03-86023(502-90)	
SHEET 3 OF 25	JOB No. 87288

- R 479 POCKET 34
FOLDER 135

PLAN	SURVEYED	DATE
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- SAW CUT 273 L.F. OF EX. A.C. P.W.M.T. AND REMOVE APPROX. 2563 S.Y. OF EX. P.W.M.T. PER MAG SPEC. 336 & 350.
- REMOVE AND STOCKPILE WARNING, STREET & STOP SIGNS PER MAG SPEC. 201 & 350, AS DIRECTED BY THE CITY ENGINEER. 5 EA.
- RELOCATE EX. FIRE HYDRANT ASSEMBLY (COMPLETE) TO STA. 7+06 - 36" LT. PER C.O.F. STD. DWG. NO. 1-30.20. 1 EA. (SEE SPEC. PROV.)
- REMOVE 89 L.F. OF EX. SLUMP BLK. WALL; (C.R. STA. 3+87.56 TO STA. 4+76) SALVAGE EX. CHAIN LINK FENCE AND REMOVE & SALVAGE 19 L.F. OF EX. 5" CHAIN LINK FENCE (STA. 4+76 TO STA. 4+95) PER MAG. SPEC. 350. (SEE SPEC. PROV.)
- CONSTRUCT 108 L.F. OF SLUMP BLK. RETAINING WALL (C.R. STA. 3+47.56 TO STA. 4+95) PER DETAIL ON SHT. 3. (SEE SPEC. PROV.)
- EXIST. MAILBOX TO BE RELOCATED AS DIRECTED BY THE UNITED STATES POSTAL SERVICE. 1 EA.
- REMOVE AND SALVAGE EX. BUS STOP BENCH. RE-LOCATE TO BACK OF NEW S/W PER MAG SPEC. 350. 1 EA.
- REMOVE AND SALVAGE 30 L.F. OF EX. CHAIN LINK FENCE (STA. 6+25 TO STA. -0+56 CENTER ST.) RELOCATE ALONG NEW R/W AND COR. CUT-OFF, AND RELOCATE EX. GATE AS DIRECTED BY OWNER. STOCKPILE REMAINDER ON PROPERTY OR AS DIRECTED BY THE CITY ENGINEER, PER MAG. SPEC. 350. (SEE SPEC. PROV.)
- REMOVE APPROX. 14 L.F. OF EX. WOOD PLANTER WITHIN NEW R/W PER MAG SPEC. 350.
- REMOVE EX. TREES 201' OR LESS IN DIA. AS SHOWN PER MAG SPEC. 201. (NON-PAY ITEM)
- CONSTRUCT TREE WELL PER DETAIL ON SHT. 3. 4 EA.
- REMOVE AND REPLACE EX. WOOD SIGN PER MAG SPEC. 350. 1 EA.
- CONSTRUCT 2045 S.Y. OF A.C. P.W.M.T. (TYPE II) PER TYPICAL STREET CROSS-SECTIONS, SHT. 3.
- CONSTRUCT 58 S.Y. OF A.C. P.W.M.T. (TYPE III) PER TYPICAL STREET CROSS-SECTIONS, SHT. 3.
- CONSTRUCT 1024 L.F. OF TYPE "A" VERT. CONC. CURB & GUTTER PER C.O.F. STD. DWG. NO. J-20.00.
- CONSTRUCT 3997 S.F. OF CONC. SIDEWALK PER C.O.F. STD. DWG. NO. J-20.10 AND ST. X-SECTION ON SHT. 3. (INCL. HANDICAPPED CURB-RAMPS)
- CONSTRUCT 504 S.F. CONC. APRON AND 8" CROSS GUTTER PER DET. ON SHT. 3 & C.O.F. STD. DWG. NO. J-20.40. 1 EA.
- CONSTRUCT 1649 S.F. OF 8" THICK CONC. DRIVEWAY ENTRANCE PER C.O.F. STD. DWG. NO. J-20.30. 10 EA. (5" WINGS TYP.) (USE 4" WINGS AT 4' S/W)
- STA. 7+19 - 24" LT. (CENTER EX. GRATE) ADJUST EX. SINGLE GUTTER INLET CATCH BASIN TO GRADE AND FORM COMB. CURB & GUTTER INLET PER C.O.F. STD. DWG. NO. H-10.01. 1 EA.
- STA. 6+14 - 25.0' LT. (CENTER EX. GRATE) ADJUST EX. DOUBLE GUTTER INLET CATCH BASIN TO GRADE AND FORM STD. DOUBLE GUTTER INLET PER C.O.F. STD. DWG. NO. H-10.00 & H-10.30. 1 EA.
- STA. 6+19.42 - 26.5' RT. (CENTER C.B. @ B.O.) CONSTRUCT STD. SINGLE GUTTER-INLET CATCH BASIN PER C.O.F. STD. DWG. NOS. C-19.00 & C-19.70. 1 EA. (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)
- INSTALL 64 L.F. OF 18" DIA. RUBBER GASKET REINFORCED CONC. PIPE (RORCS) CLASS II (LOAD = 1000) PER MAG SPEC. 618 & 765 AND BEDDING & CONNECTION DETAILS ON SHEET 3 AND 21. (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)
- ADJUST EX. WATER VALVE TO GRADE PER C.O.F. STD. DWG. NO. I-20.15. 2 EA. (Relocate as Req.)
- ADJUST EX. SEWER OR STORM DRAIN MANHOLE TO GRADE PER C.O.F. STD. DWG. NO. I-20.15. 2 EA.
- ADJUST EX. WATER METER BOX TO GRADE PER MAG STD. DET. 320. 3 EA.
- INSTALL STD. SURVEY MONUMENTS WITH FRAME AND COVER PER C.O.F. STD. DWG. NO. K-20.00. 2 EA.
- CONSTRUCT 112 S.Y. OF A.C. P.W.M.T. (DRIVEWAY TRANSITIONS) PER TYP. DET. ON SHT. 3. TOTAL 3 LOC. (SEE CROSS-SECTION SHEETS 16-20)
- INSTALL 186 S.Y. OF A.B.C. DRIVEWAY TRANSITIONS (4" THICK) PER TYP. DET. ON SHT. 3. TOTAL 8 LOC. (SEE CROSS-SECTION SHEETS 16-20)
- REMOVE AND DISPOSE OF 515 L.F. OF EX. 8" DIA. A.C.P. WATERLINE PER MAG SPEC. 350.
- INSTALL 698 L.F. OF 8" DIA. M.J.D.I.P. WATERLINE (W/POLY WRAP) PER MAG SPEC. 610 & TYP. TRENCHING & BACKFILL DET. ON SHT. 3. (COMPLETE, INCLUDING ALL APPURTENANCES) (SEE SPEC. PROV.)
- INSTALL 8" DIA. GATE VALVE ASSEMBLY (COMPLETE INCLUDING ALL APPURTENANCES) PER C.O.F. STD. DWG. I-30.00 & I-30.10. 5 EA.
- REMOVE AND DISPOSE OF 183 L.F. OF EX. 2", 3" & 4" DIA. WATERLINE PER MAG SPEC. 350.
- STABILIZE CUT SLOPE WHERE IT EXCEEDS 2:1 WITH 4" THICK SOIL CEMENT (APPROX. STA +500 TO 6+25).

Coconino Engineering

1885 E. Butler Avenue Flagstaff, Arizona 86001 (802) 774-9512

SCALE: 1" = 20'

DATE: 02/18/02

DESIGN: R.C.L. N.G.W.

CHECKED: R.R. MAT

DATED: 9-16-88

REVISIONS:

NO.	DATE	DESCRIPTION
1	02/18/02	REVISED

CITY OF FLAGSTAFF, ARIZONA

SIXTH AVE RECONSTRUCTION

PAVING PLAN - SIXTH AVE.

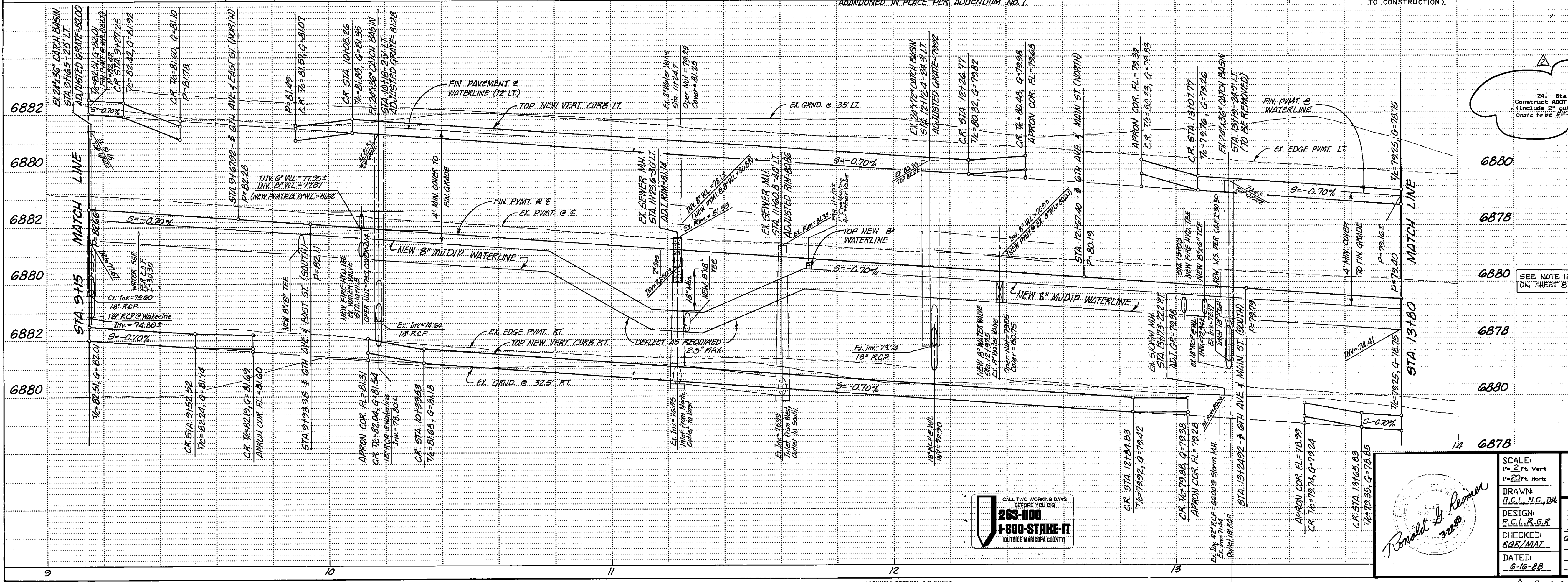
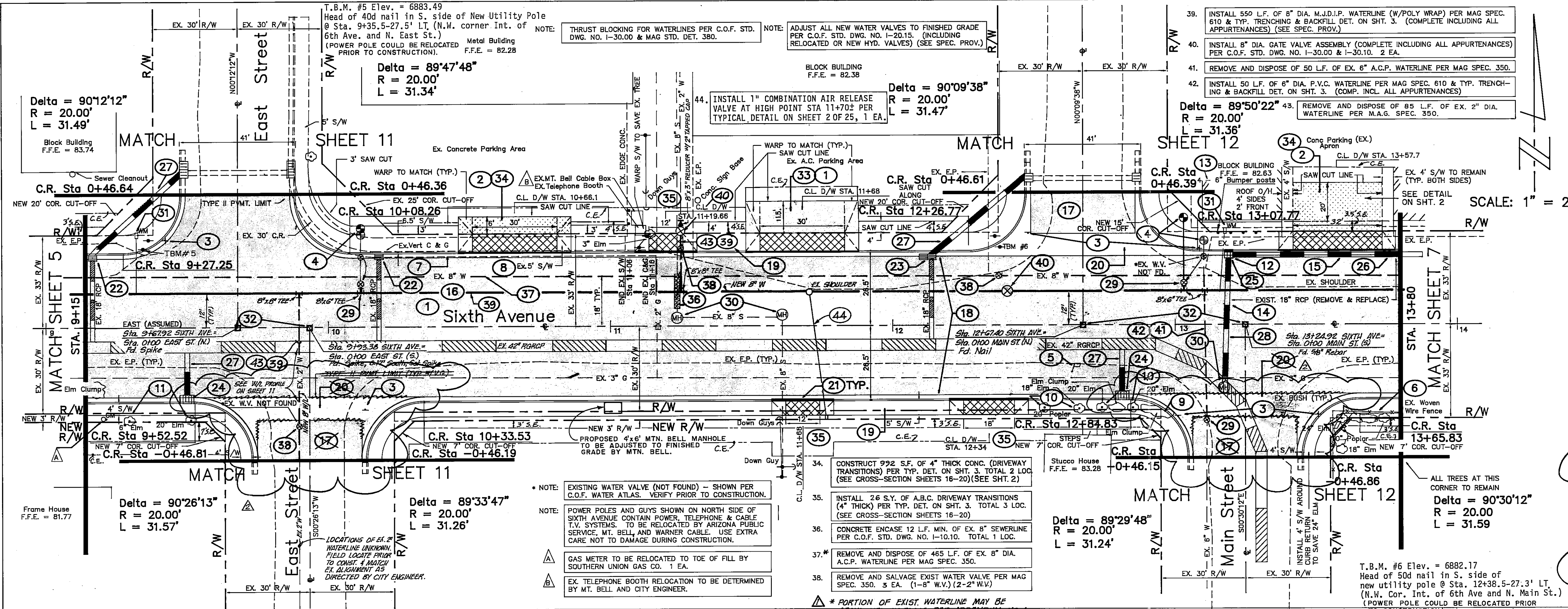
PROJECT NUMBER 03-86023 (502-90)

SHEET 5 OF 25

JOB NO. 87288

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1. SAW CUT 125 L.F. OF EX. A.C. P.V.M.T. AND REMOVE APPROX. 2664 S.Y. OF EX. P.V.M.T. PER MAG SPEC. 336 & 350.

2. SAW CUT 203 L.F. OF EX. CONC. P.V.M.T. AND REMOVE APPROX. 4447 S.Y. OF EX. CONC. P.V.M.T. PER MAG SPEC. 336 & 350.

3. REMOVE AND STOCKPILE WARNING, STREET & STOP SIGNS PER MAG SPEC. 201 & 350, AS DIRECTED BY THE CITY ENGINEER. 6 EA.

4. RELOCATE EX. FIRE HYDRANT ASSEMBLY (COMPLETE) TO STA. 10+11.5 - 35' LT. & STA. 13+03 - 37' LT. PER C.O.F. STD. DWG. NO. 1-30.20. 2 EA. (SEE SPEC. PROV.).

5. EXIST. MAILBOX TO BE RELOCATED AS DIRECTED BY THE UNITED STATES POSTAL SERVICE. 1 EA.

6. REMOVE AND SALVAGE 35 L.F. OF EX. WOVEN WIRE FENCE (STA. 13+80 TO STA. 14+40). RELOCATE ALONG NEW R/W INCL. COR. CUT-OFF. STOCKPILE REMAINDER ON PROPERTY OR AS DIRECTED BY THE CITY ENGINEER, PER MAG SPEC. 350. (SEE SPEC. PROV.).

7. REMOVE 135 L.F. OF EX. CONC. VERT. CURB & GUTTER PER MAG SPEC. 350.

8. REMOVE 620 S.F. OF EX. 5" CONC. SIDEWALK PER MAG SPEC. 350.

9. REMOVE EX. TREES 12" OR LESS IN DIA. AS SHOWN PER MAG SPEC. 201. (NON-PAY ITEM).

10. REMOVE EX. TREES LARGER THAN 12" IN DIA. PER MAG SPEC. 201. 4 EA.

11. CONSTRUCT TREE WELL PER DETAIL ON SHT. 3. 2 EA.

12. STA. 13+19 - 24.9' LT. REMOVE EX. SINGLE GUTTER INLET CATCH BASIN PER MAG SPEC. 350. 1 EA. (SEE SPEC. PROV.).

13. REMOVE AND SALVAGE EX. 6" STEEL BUMPER POSTS PER MAG SPEC. 350. STOCKPILE AND/OR RELOCATE AS DIRECTED BY THE CITY ENGINEER.

14. REMOVE AND SALVAGE 45 L.F. OF EX. 18" DIA. RGRCP (CLASS III) PER MAG SPEC. 350. STOCKPILE AS DIRECTED BY THE CITY ENGINEER. (SEE SPEC. PROV.).

15. REMOVE AND SALVAGE 61 L.F. OF EX. 18" DIA. RGRCP (CLASS III) PER MAG SPEC. 350. STOCKPILE AS DIRECTED BY THE CITY ENGINEER. (SEE SPEC. PROV.).

16. CONSTRUCT 244 S.Y. OF A.C. P.V.M.T. (TYPE II) PER TYPICAL STREET CROSS-SECTIONS, SHT. 3.

17. CONSTRUCT 498 S.Y. OF A.C. P.V.M.T. (TYPE III) PER TYPICAL STREET CROSS-SECTIONS, SHT. 3.

18. CONSTRUCT 884 L.F. OF TYPE "A" VERT. CONC. CURB & GUTTER PER A.O.F. STD. DWG. NO. 1-20.00.

19. CONSTRUCT 3448 S.F. OF CONC. SIDEWALK PER C.O.F. STD. DWG. NO. 1-30.20. 3 EA. (INCL. HANDICAPPED CURB RAMPS).

20. CONSTRUCT 462 S.F. OF CONC. APRON & 8' CROSS GUTTER PER DET. ON SHT. 3 & C.O.F. STD. DWG. NO. 1-20.40. 3 EA.

21. CONSTRUCT 1186 S.F. OF 6" THICK CONC. DRIVEWAY ENTRANCE PER C.O.F. STD. DWG. NO. 1-30.30. 6 EA. (2-20.40; 4-20.40).

22. STA. 9+16.5 - 25' LT. & STA. 10+18 - 25' LT. ADJUST EX. SINGLE GUTTER INLET CATCH BASIN TO GRADE AND FORM COMB. CURB & GUTTER INLET PER C.O.F. STD. DWG. NO. H-10.01. 2 EA.

23. STA. 12+12.4 - 24.3' LT. (CENTER EX. GRATE) ADJUST EX. DOUBLE GUTTER INLET CATCH BASIN TO GRADE AND FORM COMB. CURB & GUTTER INLET PER C.O.F. STD. DWG. NO. H-10.00 & H-10.30. 1 EA.

24. STA. 9+45.77 and STA. 12+78.07 - 24.5' RT. (CENTER C.R. 8' back of curb) Construct ADOT Type 1 Double Endurance Curb and Gutter Inlet Catch Basin (Include 2" gutter depression.) See Drainage Cross - Section on Sheet 21. Grate to be EF-1. Basin and Grate to be ADOT STD. DWG. NOS. C-510; C-1550; C-1570.

25. STA. 13+49 - 26.5' LT. (CENTER C.R. 8' back of curb) CONSTRUCT A.D.O.T. TYPE 1 SINGLE COMB. CURB & GUTTER INLET CATCH BASIN WITH EF-1 GRATE PER A.D.O.T. STD. DWG. NOS. C-1510 & C-1550. 1 EA. (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21).

26. INSTALL 61 L.F. OF SALVAGED 18" DIA. RUBBER GASKET REINFORCED CONC. PIPE (RGRCP), CLASS 1 (D-LOAD = 800) PER MAG SPEC. 618 & 765 AND BEDDING & CONNECTION DETAILS ON SHEET 3 & 21. (SEE DRAINAGE X-SECT. ON SHT. 21) (SEE SPEC. PROV.).

27. INSTALL 126 L.F. OF 18" DIA. RUBBER GASKET REINFORCED CONC. PIPE (RGRCP), CLASS 1 (D-LOAD = 1000) PER MAG SPEC. 618 & 765 AND BEDDING & CONNECTION DETAILS ON SHEET 3 & 21. (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21).

28. INSTALL 45 L.F. OF SALVAGED 18" DIA. RUBBER GASKET REINFORCED CONC. PIPE (RGRCP), CLASS 1 (D-LOAD = 1000) PER MAG SPEC. 618 & 765 AND BEDDING & CONNECTION DETAILS ON SHEET 3 & 21. (SEE DRAINAGE X-SECT. ON SHT. 21) (SEE SPEC. PROV.).

29. ADJUST EX. WATER VALVE TO GRADE PER C.O.F. STD. DWG. NO. 1-20.15. 3 EA.

30. ADJUST EX. SEWER AND/OR STORM DRAIN MANHOLE TO GRADE PER C.O.F. STD. DWG. NO. 1-20.15. 3 EA.

31. ADJUST EX. WATER METER BOX TO GRADE PER MAG STD. DET. 320. 2 EA.

32. INSTALL STD. SURVEY MONUMENTS WITH FRAME AND COVER PER C.O.F. STD. DWG. NO. K-20.00. 4 EA.

33. CONSTRUCT 52 S.Y. OF A.C. P.V.M.T. (DRIVEWAY TRANSITIONS) PER TYP. DET. ON SHT. 3. TOTAL 1 LOC. (SEE CROSS-SECTION SHEETS 16-20).

SCALE: 1" = 20'

Coconino Engineering
1885 E. Butler Avenue Flagstaff, Arizona 86001 (602) 774-9512

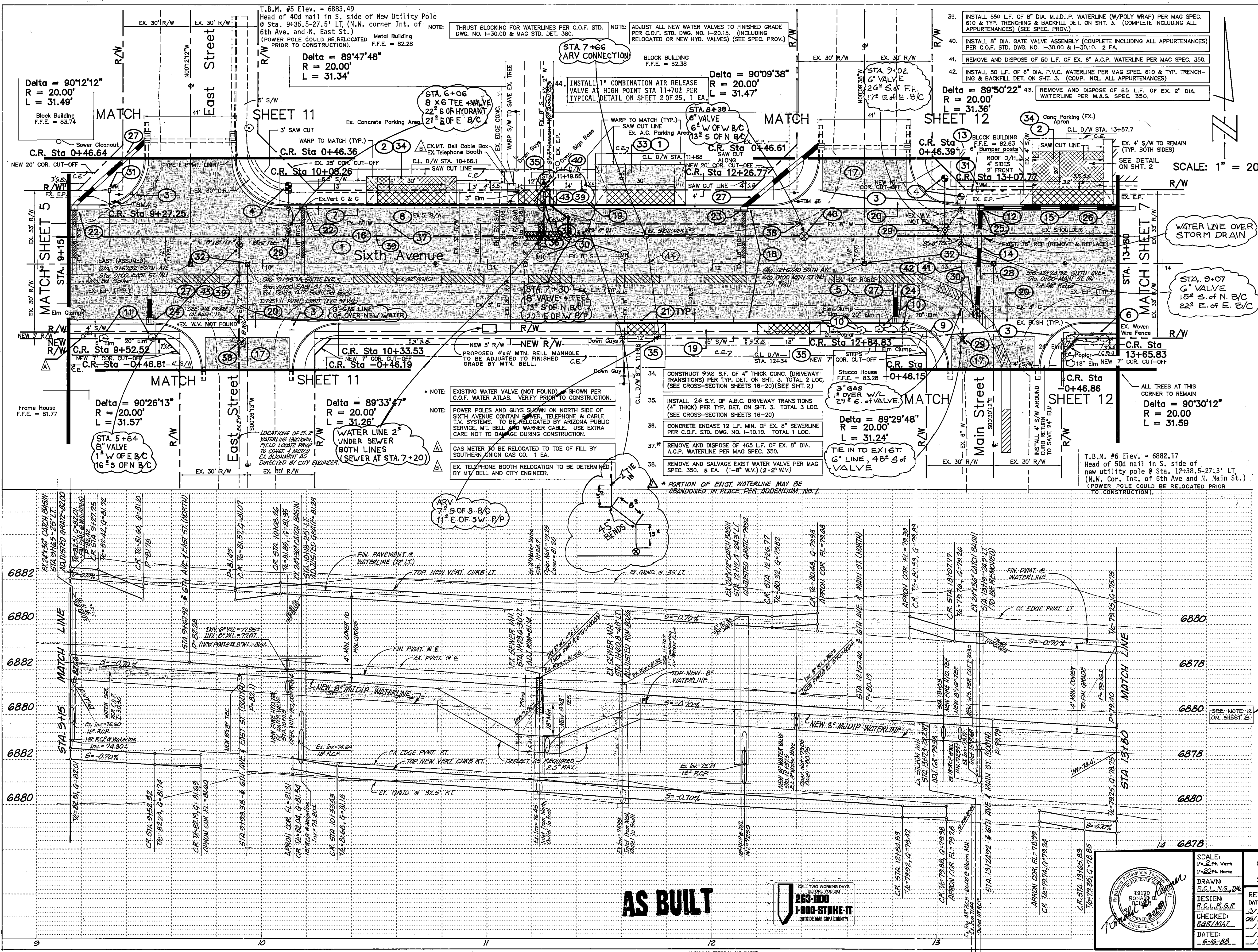
CITY OF FLAGSTAFF, ARIZONA
SIXTH AVE RECONSTRUCTION
PAVING PLAN - SIXTH AVE.
PROJECT NUMBER 03-86023 (502-90)

SHEET
6 OF 25
JOB No.
87288

Revisions to Storm Drain 8/8/89

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- SAW CUT 125 L.F. OF EX. AC. PVMT. AND REMOVE APPROX. 2664 S.F. OF EX. PVMT. PER MAG SPEC. 336 & 350.
- SAW CUT 203 L.F. OF EX. CONC. PVMT. AND REMOVE APPROX. 4449 S.F. OF EX. CONC. PVMT. PER MAG SPEC. 336 & 350.
- REMOVE AND STOCKPILE WARNING, STREET & STOP SIGNS PER MAG SPEC. 201 & 350, AS DIRECTED BY THE CITY ENGINEER. 8 EA.
- RELOCATE EX. FIRE HYDRANT ASSEMBLY (COMPLETE) TO STA. 10+11.5. 35' LT. & STA. 13+03 - 37' LT. PER C.O.F. STD. DWG. NO. 1-30.10. 2 EA. (SEE SPEC. PROV.)
- EXIST. MAILBOX TO BE RELOCATED AS DIRECTED BY THE UNITED STATES POSTAL SERVICE. 1 EA.
- REMOVE AND SALVAGE 35 L.F. OF EX. WOVEN WIRE FENCE (STA. 13+80 TO STA. -0+40). RELOCATE ALONG NEW R/W INCL. COR. CUT-OFF. STOCKPILE REMAINDER ON PROPERTY OR AS DIRECTED BY THE CITY ENGINEER. PER MAG SPEC. 350. (SEE SPEC. PROV.)
- REMOVE 135 L.F. OF EX. CONC. VERT. CURB & GUTTER PER MAG SPEC. 350.
- REMOVE 620 S.F. OF EX. 5" CONC. SIDEWALK PER MAG SPEC. 350.
- REMOVE EX. TREES 12" OR LESS IN DIA. AS SHOWN PER MAG SPEC. 201. (NON-PAY ITEM)
- REMOVE EX. TREES LARGER THAN 12" IN DIA. PER MAG SPEC. 201. 4 EA.
- CONSTRUCT TREE WELL PER DETAIL ON SHT. 3. 2 EA.
- STA. 13+19 - 24.9' LT. REMOVE EX. SINGLE GUTTER INLET CATCH BASIN PER MAG SPEC. 350. 1 EA. (SEE SPEC. PROV.)
- REMOVE AND SALVAGE EX. 6" STEEL BUMPER POSTS PER MAG SPEC. 350. STOCKPILE AND/OR RELOCATE AS DIRECTED BY THE CITY ENGINEER.
- REMOVE AND SALVAGE 45 L.F. OF EX. 18" DIA. RGRCP (CLASS II) PER MAG SPEC. 350. STOCKPILE AS DIRECTED BY THE CITY ENGINEER. (SEE SPEC. PROV.)
- REMOVE AND SALVAGE 61 L.F. OF EX. 18" DIA. RGRCP (CLASS I) PER MAG SPEC. 350. STOCKPILE AS DIRECTED BY THE CITY ENGINEER. (SEE SPEC. PROV.)
- CONSTRUCT 222 S.F. OF A.C. PVMT. (TYPE II) PER TYPICAL STREET CROSS-SECTIONS, SHT. 3.
- CONSTRUCT 775 S.F. OF A.C. PVMT. (TYPE III) PER TYPICAL STREET CROSS-SECTIONS, SHT. 3.
- CONSTRUCT 864 L.F. OF TYPE "A" VERT. CONC. CURB & GUTTER PER C.O.F. STD. DWG. NO. J-20.00.
- CONSTRUCT 3448 S.F. OF CONC. SIDEWALK PER C.O.F. STD. DWG. NO. J-20.10 AND ST. X-SECT. ON SHT. 3. (INCL. HANDICAPPED CURB RAMPS)
- CONSTRUCT 444 S.F. OF CONC. APRON AND 6" CROSS GUTTER PER DET. ON SHT. 3 & C.O.F. STD. DWG. NO. J-20.40. 3 EA.
- CONSTRUCT 1186 S.F. OF 6" THICK CONC. DRIVEWAY ENTRANCE PER C.O.F. STD. DWG. NO. J-20.30. 6 EA. (5' WINGS TYP.)
- STA. 9+16.5 - 25' LT. & STA. 10+18 - 25' LT. ADJUST EX. SINGLE GUTTER INLET CATCH BASIN TO GRADE AND FORM COMB. CURB & GUTTER INLET PER C.O.F. STD. DWG. NO. H-10.01. 2 EA.
- STA. 12+12.4 - 24.3' LT. (CENTER EX. GRATE) ADJUST EX. DOUBLE GUTTER INLET CATCH BASIN TO GRADE AND FORM STD. DOUBLE GUTTER INLET PER C.O.F. STD. DWG. NO. H-10.00 & H-10.30. 1 EA. (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)
- STA. 9+48.52 & STA. 12+81.83 - 26.5' RT. (CENTER CATCH BASIN @ BACK OF CURB) CONSTRUCT STD. SINGLE GUTTER INLET CATCH BASIN PER C.O.F. STD. DWG. NOS. C-15.10 & C-15.50. 1 EA. (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)
- INSTALL 61 L.F. OF SALVAGED 18" DIA. RUBBER GASKET REINFORCED CONC. PIPE (RGRCP) CLASS I (D-LOAD = 800) PER MAG SPEC. 618 & 765 AND BEDDING & CONNECTION DETAILS ON SHEET 3 & 21. (SEE DRAINAGE X-SECT. ON SHT. 21) (SEE SPEC. PROV.)
- INSTALL 126 L.F. OF 18" DIA. RUBBER GASKET REINFORCED CONC. PIPE (RGRCP) CLASS II (D-LOAD = 1000) PER MAG SPEC. 618 & 765 AND BEDDING & CONNECTION DETAILS ON SHEET 3 & 21. (SEE DRAINAGE X-SECT. ON SHT. 21) (SEE SPEC. PROV.)
- INSTALL 45 L.F. OF SALVAGED 18" DIA. RUBBER GASKET REINFORCED CONC. PIPE (RGRCP) CLASS II (D-LOAD = 1000) PER MAG SPEC. 618 & 765 AND BEDDING & CONNECTION DETAILS ON SHEET 3 & 21. (SEE DRAINAGE X-SECT. ON SHT. 21) (SEE SPEC. PROV.)
- ADJUST EX. WATER VALVE TO GRADE PER C.O.F. STD. DWG. NO. I-20.15. 3 EA.
- ADJUST EX. SEWER AND/OR STORM DRAIN MANHOLE TO GRADE PER C.O.F. STD. DWG. NO. I-20.15. 3 EA.
- ADJUST EX. WATER METER BOX TO GRADE PER MAG SPEC. DET. 320. 2 EA.
- INSTALL STD. SURVEY MONUMENTS WITH FRAME AND COVER PER C.O.F. STD. DWG. NO. K-20.00. 4 EA.
- CONSTRUCT 52 S.F. OF A.C. PVMT. (DRIVEWAY TRANSITIONS) PER TYP. DET. ON SHT. 3. TOTAL 1 LOC. (SEE CROSS-SECTION SHEETS 16-20)

SCALE: 1" = 20'

WATER LINE OVER STORM DRAIN

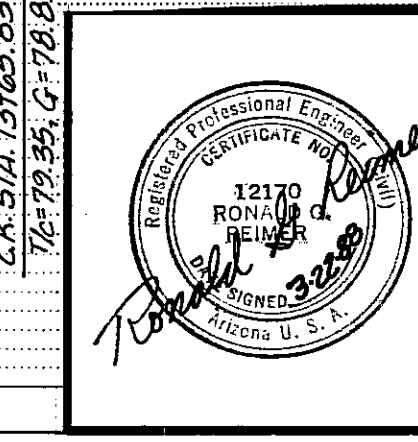
STA. 9+07
6" VALVE
15' S. OF N. B/C
22' E. OF E. B/C

ALL TREES AT THIS CORNER TO REMAIN
Delta = 90°30'12"
R = 20.00
L = 31.59

T.B.M. #6 Elev. = 6882.17
Head of 50d nail in S. side of new utility pole @ Sta. 12+38.5-27.3' LT. (N.W. Cor. Int. of 6th Ave and N. Main St.) (POWER POLE COULD BE RELOCATED PRIOR TO CONSTRUCTION.)

AS BUILT

263-UD0
1-800-STAKE-IT
OUTSIDE MARICOPA COUNTY



Coconino Engineering

1885 E. Butler Avenue Flagstaff, Arizona 86001 (602) 774-9512

DRAWN: R.C.L.N.G., DK
 DESIGNED: R.C.L.N.G., DK
 CHECKED: B.G.E./MAL
 DATED: 6-16-88

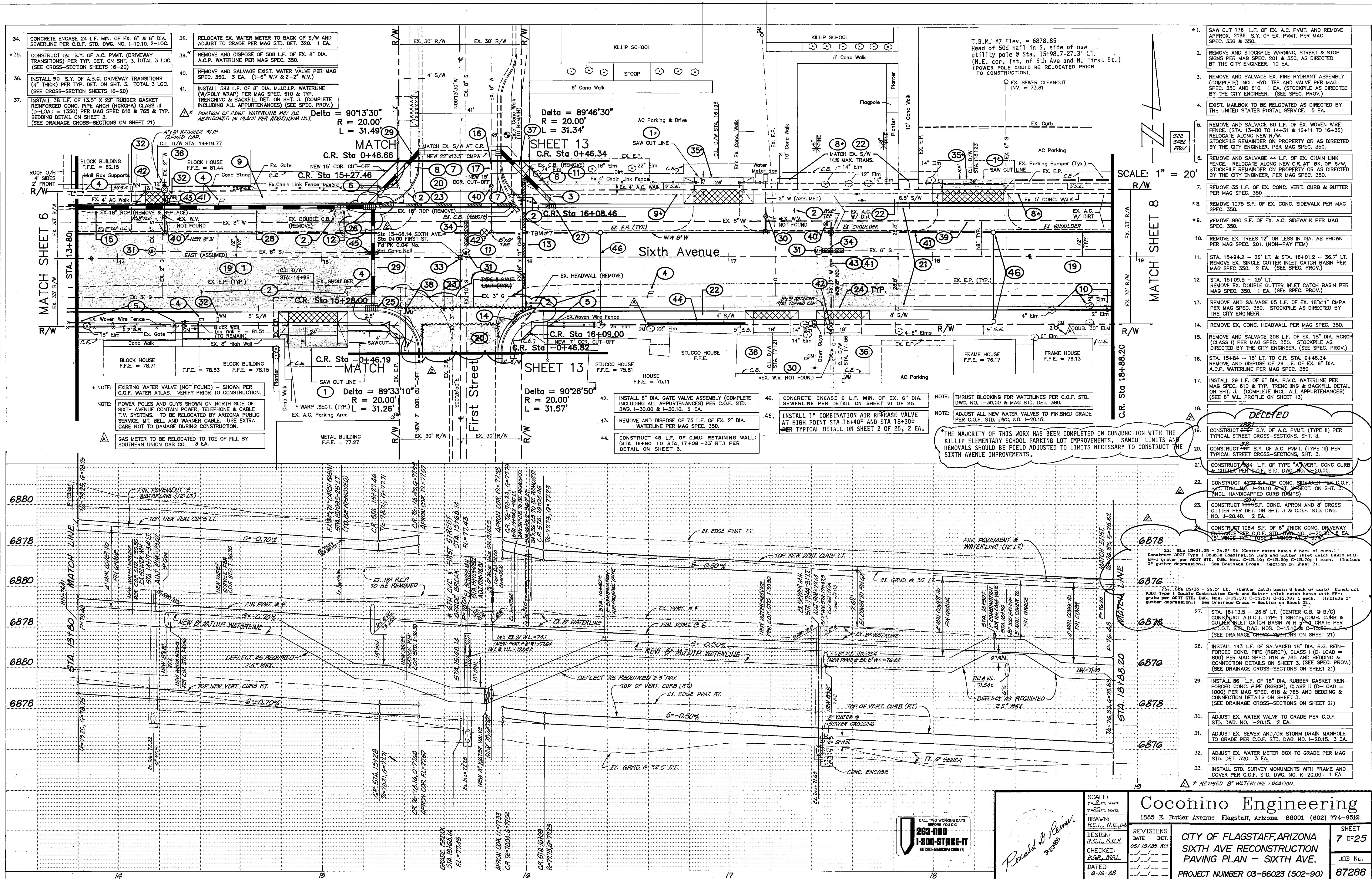
REVISIONS
 DATE INT.
 3/16/89 22
 08/18/89 24

CITY OF FLAGSTAFF, ARIZONA
 SIXTH AVE RECONSTRUCTION
 PAVING PLAN - SIXTH AVE.
 PROJECT NUMBER 03-86023 (502-90)

SHEET
 6 OF 25
 JOB NO.
 87288

PLAN	DATE	BY
SURVEYED		
PLOTTED		
CHECKED		
NOTE BOOK		
NO.		

PROFILE	DATE	BY
SURVEYED		
PLOTTED		
CHECKED		
NOTE BOOK		
NO.		



- SAW CUT 178' L.F. OF EX. A.C. PAVT. AND REMOVE APPROX. 2198' S.Y. OF EX. P.V.M. PER MAG SPEC. 336 & 350.
- REMOVE AND STOCKPILE WARNING, STREET & STOP SIGNS PER MAG SPEC. 201 & 350, AS DIRECTED BY THE CITY ENGINEER. 10 EA.
- REMOVE AND SALVAGE EX. FIRE HYDRANT ASSEMBLY (COMPLETE) INCL. HYD. TEE AND VALVE PER MAG SPEC. 350 AND 610. 1 EA. (STOCKPILE AS DIRECTED BY THE CITY ENGINEER. (SEE SPEC. PROV.))
- EXIST. MAILBOX TO BE RELOCATED AS DIRECTED BY THE UNITED STATES POSTAL SERVICE. 5 EA.
- REMOVE AND SALVAGE 80' L.F. OF EX. WOVEN WIRE FENCE (STA. 13+80 TO 14+31 & 16+11 TO 16+36) RELOCATE ALONG NEW R/W. STOCKPILE REMAINDER ON PROPERTY OR AS DIRECTED BY THE CITY ENGINEER. PER MAG SPEC. 350.
- REMOVE AND SALVAGE 44' L.F. OF EX. CHAIN LINK FENCE. RELOCATE ALONG NEW C.R. AT BK. OF S.W. STOCKPILE REMAINDER ON PROPERTY OR AS DIRECTED BY THE CITY ENGINEER. (SEE SPEC. PROV.)
- REMOVE 35' L.F. OF EX. CONC. VERT. CURB & GUTTER PER MAG SPEC. 350.
- REMOVE 1075' S.F. OF EX. CONC. SIDEWALK PER MAG SPEC. 350.
- REMOVE 980' S.F. OF EX. A.C. SIDEWALK PER MAG SPEC. 350.
- REMOVE EX. TREES 12" OR LESS IN DIA. AS SHOWN PER MAG SPEC. 201. (NON-PAY ITEM)
- STA. 15+94.2 - 26' LT. & STA. 16+01.2 - 36.7' LT. REMOVE EX. SINGLE GUTTER INLET CATCH BASIN PER MAG SPEC. 350. 2 EA. (SEE SPEC. PROV.)
- STA. 15+09.5 - 25' LT. REMOVE EX. DOUBLE GUTTER INLET CATCH BASIN PER MAG SPEC. 350. 1 EA. (SEE SPEC. PROV.)
- REMOVE AND SALVAGE 65' L.F. OF EX. 18"x11" CMPA PER MAG SPEC. 350. STOCKPILE AS DIRECTED BY THE CITY ENGINEER.
- REMOVE EX. CONC. HEADWALL PER MAG SPEC. 350.
- REMOVE AND SALVAGE 208' L.F. OF EX. 18" DIA. ROROP (CLASS I) PER MAG SPEC. 350. STOCKPILE AS DIRECTED BY THE CITY ENGINEER. (SEE SPEC. PROV.)
- STA. 15+84 - 18' LT. TO C.R. STA. 0+46.34 REMOVE AND DISPOSE OF 29' L.F. OF EX. 6" DIA. A.C.P. WATERLINE PER MAG SPEC. 350.
- INSTALL 29' L.F. OF 6" DIA. P.V.C. WATERLINE PER MAG SPEC. 610 & TYP. TRENCHING & BACKFILL DETAIL ON SHEET 3. (COMPLETE INCL. ALL APPURTENANCES) (SEE 6" W.L. PROFILE ON SHEET 13)
- ~~CONSTRUCT 287' S.Y. OF A.C. P.V.M. (TYPE II) PER TYPICAL STREET CROSS-SECTIONS, SHIT. 3.~~
- ~~CONSTRUCT 287' S.Y. OF A.C. P.V.M. (TYPE II) PER TYPICAL STREET CROSS-SECTIONS, SHIT. 3.~~
- ~~CONSTRUCT 184' L.F. OF TYPE "A" VERT. CONC. CURB & GUTTER PER C.O.F. STD. DWG. NO. 1-20.00.~~
- ~~CONSTRUCT 422' L.F. OF CONC. SIDEWALK PER C.O.F. STD. DWG. NO. 1-20.10 & 25' W. S.E.C. ON SHIT. 3. (INCL. HANDICAPPED CURB RAMP)~~
- ~~CONSTRUCT 666' S.F. CONC. APRON AND 8' CROSS GUTTER PER DET. ON SHIT. 3 & C.O.F. STD. DWG. NO. 1-20.40. 2 EA.~~
- ~~CONSTRUCT 1054' S.F. OF 6" THICK CONC. DRIVEWAY PER DET. ON SHIT. 3 & C.O.F. STD. DWG. NO. 1-20.10 & 25' W. S.E.C. ON SHIT. 3.~~
- Construct Add Type I Double Combination Curb and Gutter Inlet Catch Basin with 24" grate per ADD STD. DWG. NOS. C-15.101 C-15.501 C-15.701 each. (Include 2" gutter depression.) See Drainage Cross-Section on Sheet 21.
- Construct 26' Sta 15+21.25 - 26.5' Lt. (Center catch basin @ back of curb.) Construct 24" grate per ADD STD. DWG. NOS. C-15.101 C-15.501 C-15.701 each. (Include 2" gutter depression.) See Drainage Cross-Section on Sheet 21.
- STA. 16+13.5 - 26.5' LT. (CENTER C.B. @ B/C) CONSTRUCT ADD TYPE I SINGLE COMB. CURB & GUTTER INLET CATCH BASIN WITH 24" GRATE PER A.D.O.T. STD. DWG. NOS. C-15.101 & C-15.501. 1 EA. (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)
- INSTALL 143' L.F. OF SALVAGED 18" DIA. R.G. REINFORCED CONC. PIPE (RGRCP), CLASS I (D-LOAD = 800) PER MAG SPEC. 618 & 765 AND BEDDING & CONNECTION DETAILS ON SHEET 3. (SEE SPEC. PROV.) (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)
- INSTALL 86' L.F. OF 18" DIA. RUBBER GASKET REINFORCED CONC. PIPE (RGRCP), CLASS I (D-LOAD = 1000) PER MAG SPEC. 618 & 765 AND BEDDING & CONNECTION DETAILS ON SHEET 3. (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)
- ADJUST EX. WATER VALVE TO GRADE PER C.O.F. STD. DWG. NO. 1-20.15. 2 EA.
- ADJUST EX. SEWER AND/OR STORM DRAIN MANHOLE TO GRADE PER C.O.F. STD. DWG. NO. 1-20.15. 3 EA.
- ADJUST EX. WATER METER BOX TO GRADE PER MAG STD. DET. 320. 3 EA.
- INSTALL STD. SURVEY MONUMENTS WITH FRAME AND COVER PER C.O.F. STD. DWG. NO. K-20.00. 1 EA.

Coconino Engineering
1885 E. Butler Avenue Flagstaff, Arizona 86001 (602) 774-9512

SCALE: 1"=20' Vert
1"=200' Horiz

DRAWN: R.C.L., N.G.D.
DESIGN: R.C.L., R.G.R.
CHECKED: R.G.R., M.A.I.
DATED: 8-18-88

REVISIONS
DATE INT.
08/15/88 RGL
08/15/88 RGL
08/15/88 RGL
08/15/88 RGL

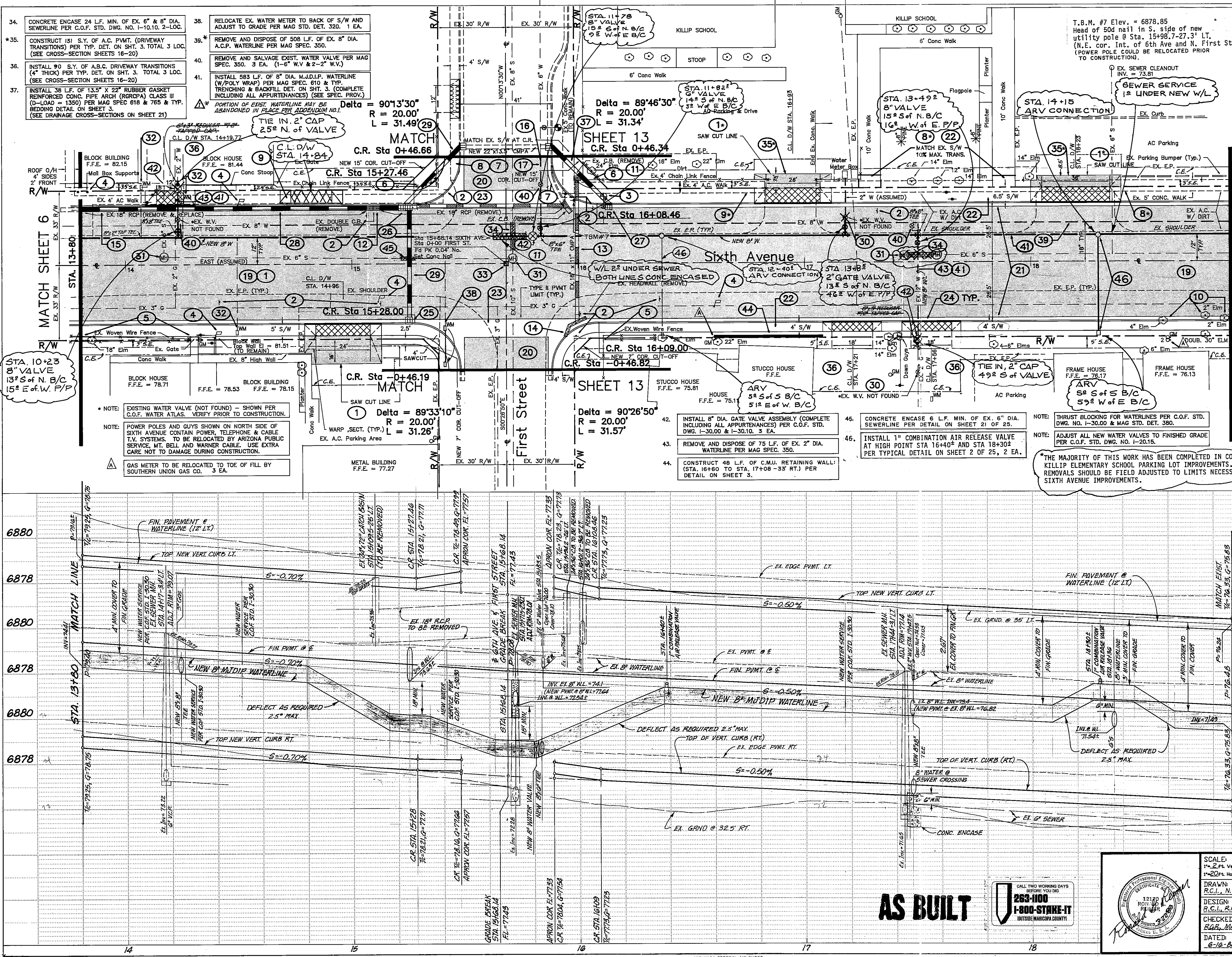
SHEET
7 OF 25

JOB No.
87288

CITY OF FLAGSTAFF, ARIZONA
SIXTH AVE RECONSTRUCTION
PAVING PLAN - SIXTH AVE.
PROJECT NUMBER 03-86023 (502-90)

PLAN	DATE	BY	DATE	BY
SURVEYED				
NOTED				
ALIGNED				
CHECKED				
NO.				

PROFILE	DATE	BY	DATE	BY
SURVEYED				
NOTED				
ALIGNED				
CHECKED				
NO.				



34. CONCRETE ENCASE 24 L.F. MIN. OF EX. 6" & 8" DIA. SEWERLINE PER C.O.F. STD. DWG. NO. 1-10.10, 2-LOC.

35. CONSTRUCT 151 S.Y. OF A.C. P.V.M.T. (DRIVEWAY TRANSITIONS) PER TYP. DET. ON SHT. 3. TOTAL 3 LOC. (SEE CROSS-SECTION SHEETS 16-20)

36. INSTALL 90 S.Y. OF A.B.C. DRIVEWAY TRANSITIONS (4" THICK) PER TYP. DET. ON SHT. 3. TOTAL 3 LOC. (SEE CROSS-SECTION SHEETS 16-20)

37. INSTALL 38 L.F. OF 13.5" X 22" RUBBER GASKET REINFORCED CONC. PIPE ARCH (RORCP) CLASS III (D-LOAD = 1550) PER MAG SPEC 618 & 765 & TYP. BEDDING DETAIL ON SHEET 3. (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)

38. RELOCATE EX. WATER METER TO BACK OF S/W AND ADJUST TO GRADE PER MAG STD. DET. 320. 1 EA.

39. REMOVE AND DISPOSE OF 508 L.F. OF EX. 8" DIA. A.C.P. WATERLINE PER MAG SPEC. 350.

40. REMOVE AND SALVAGE EXIST. WATER VALVE PER MAG SPEC. 350. 3 EA. (1-6" W.V. & 2-2" W.V.)

41. INSTALL 583 L.F. OF 8" DIA. M.D.I.P. WATERLINE (W/POLY WRAP) PER MAG SPEC. 610 & TYP. TRENCHING & BACKFILL DET. ON SHT. 3. (COMPLETE INCLUDING ALL APPURTENANCES) (SEE SPEC. PROV.)

42. PORTION OF EXIST. WATERLINE MAY BE ABANDONED IN PLACE PER ADDENDUM NO. 1.

43. TIE IN 2" CAP 25" N. OF VALVE

44. Delta = 90°13'30" R = 20.00' L = 31.49'

45. Delta = 89°46'30" R = 20.00' L = 31.34'

46. Delta = 90°26'50" R = 20.00' L = 31.57'

47. Delta = 89°33'10" R = 20.00' L = 31.26'

48. Delta = 89°46'30" R = 20.00' L = 31.34'

49. Delta = 90°13'30" R = 20.00' L = 31.49'

50. Delta = 89°46'30" R = 20.00' L = 31.34'

51. Delta = 90°26'50" R = 20.00' L = 31.57'

52. Delta = 89°33'10" R = 20.00' L = 31.26'

53. Delta = 89°46'30" R = 20.00' L = 31.34'

54. Delta = 90°13'30" R = 20.00' L = 31.49'

55. Delta = 89°46'30" R = 20.00' L = 31.34'

56. Delta = 90°26'50" R = 20.00' L = 31.57'

57. Delta = 89°33'10" R = 20.00' L = 31.26'

58. Delta = 89°46'30" R = 20.00' L = 31.34'

59. Delta = 90°13'30" R = 20.00' L = 31.49'

60. Delta = 89°46'30" R = 20.00' L = 31.34'

61. Delta = 90°26'50" R = 20.00' L = 31.57'

62. Delta = 89°33'10" R = 20.00' L = 31.26'

63. Delta = 89°46'30" R = 20.00' L = 31.34'

64. Delta = 90°13'30" R = 20.00' L = 31.49'

65. Delta = 89°46'30" R = 20.00' L = 31.34'

66. Delta = 90°26'50" R = 20.00' L = 31.57'

67. Delta = 89°33'10" R = 20.00' L = 31.26'

68. Delta = 89°46'30" R = 20.00' L = 31.34'

69. Delta = 90°13'30" R = 20.00' L = 31.49'

70. Delta = 89°46'30" R = 20.00' L = 31.34'

71. Delta = 90°26'50" R = 20.00' L = 31.57'

72. Delta = 89°33'10" R = 20.00' L = 31.26'

73. Delta = 89°46'30" R = 20.00' L = 31.34'

74. Delta = 90°13'30" R = 20.00' L = 31.49'

75. Delta = 89°46'30" R = 20.00' L = 31.34'

76. Delta = 90°26'50" R = 20.00' L = 31.57'

77. Delta = 89°33'10" R = 20.00' L = 31.26'

78. Delta = 89°46'30" R = 20.00' L = 31.34'

79. Delta = 90°13'30" R = 20.00' L = 31.49'

80. Delta = 89°46'30" R = 20.00' L = 31.34'

81. Delta = 90°26'50" R = 20.00' L = 31.57'

82. Delta = 89°33'10" R = 20.00' L = 31.26'

83. Delta = 89°46'30" R = 20.00' L = 31.34'

84. Delta = 90°13'30" R = 20.00' L = 31.49'

85. Delta = 89°46'30" R = 20.00' L = 31.34'

86. Delta = 90°26'50" R = 20.00' L = 31.57'

87. Delta = 89°33'10" R = 20.00' L = 31.26'

88. Delta = 89°46'30" R = 20.00' L = 31.34'

89. Delta = 90°13'30" R = 20.00' L = 31.49'

90. Delta = 89°46'30" R = 20.00' L = 31.34'

91. Delta = 90°26'50" R = 20.00' L = 31.57'

92. Delta = 89°33'10" R = 20.00' L = 31.26'

93. Delta = 89°46'30" R = 20.00' L = 31.34'

94. Delta = 90°13'30" R = 20.00' L = 31.49'

95. Delta = 89°46'30" R = 20.00' L = 31.34'

96. Delta = 90°26'50" R = 20.00' L = 31.57'

97. Delta = 89°33'10" R = 20.00' L = 31.26'

98. Delta = 89°46'30" R = 20.00' L = 31.34'

99. Delta = 90°13'30" R = 20.00' L = 31.49'

100. Delta = 89°46'30" R = 20.00' L = 31.34'

1. SAW CUT 178 L.F. OF EX. A.C. P.V.M.T. AND REMOVE APPROX. 2198 S.Y. OF EX. P.V.M.T. PER MAG SPEC. 336 & 350.

2. REMOVE AND STOCKPILE WARNING, STREET & STOP SIGNS PER MAG SPEC. 201 & 350, AS DIRECTED BY THE CITY ENGINEER. 10 EA.

3. REMOVE AND SALVAGE EX. FIRE HYDRANT ASSEMBLY (COMPLETE) INCL. HYD. TEE AND VALVE PER MAG SPEC. 350 AND 610. 1 EA. (STOCKPILE AS DIRECTED BY THE CITY ENGINEER. (SEE SPEC. PROV.))

4. EXIST. MAILBOX TO BE RELOCATED AS DIRECTED BY THE UNITED STATES POSTAL SERVICE. 5 EA.

5. REMOVE AND SALVAGE 80 L.F. OF EX. WOVEN WIRE FENCE. (STA. 13+80 TO 14+31 & 16+11 TO 16+36) RELOCATE ALONG NEW R/W. (STOCKPILE REMAINDER ON PROPERTY OR AS DIRECTED BY THE CITY ENGINEER. PER MAG SPEC. 350.

6. REMOVE AND SALVAGE 44 L.F. OF EX. CHAIN LINK FENCE. RELOCATE ALONG NEW R/W. (STOCKPILE REMAINDER ON PROPERTY OR AS DIRECTED BY THE CITY ENGINEER. PER MAG SPEC. 350.

7. REMOVE 35 L.F. OF EX. CONC. VERT. CURB & GUTTER PER MAG SPEC. 350.

8. REMOVE 1075 S.F. OF EX. CONC. SIDEWALK PER MAG SPEC. 350.

9. REMOVE 980 S.F. OF EX. A.C. SIDEWALK PER MAG SPEC. 350.

10. REMOVE EX. TREES 12" OR LESS IN DIA. AS SHOWN PER MAG SPEC. 201. (NON-PAY ITEM)

11. STA. 15+94.2 - 26' LT. & STA. 16+01.2 - 36.7' LT. REMOVE EX. SINGLE GUTTER INLET CATCH BASIN PER MAG SPEC. 350. 2 EA. (SEE SPEC. PROV.)

12. STA. 15+09.5 - 25' LT. REMOVE EX. DOUBLE GUTTER INLET CATCH BASIN PER MAG SPEC. 350. 1 EA. (SEE SPEC. PROV.)

13. REMOVE AND SALVAGE 65 L.F. OF EX. 18"x11" CMPA PER MAG SPEC. 350. STOCKPILE AS DIRECTED BY THE CITY ENGINEER.

14. REMOVE EX. CONC. HEADWALL PER MAG SPEC. 350.

15. REMOVE AND SALVAGE 208 L.F. OF EX. 18" DIA. RORCP (CLASS I) PER MAG SPEC. 350. STOCKPILE AS DIRECTED BY THE CITY ENGINEER. (SEE SPEC. PROV.)

16. STA. 15+84 - 18' LT. TO C.R. STA. 0+46.34. A.C.P. WATERLINE PER MAG SPEC. 350.

17. INSTALL 29 L.F. OF 6" DIA. P.V.C. WATERLINE PER MAG SPEC. 610 & TYP. TRENCHING & BACKFILL DETAIL ON SHT. 3. (COMPLETE INCL. ALL APPURTENANCES) (SEE 6" W.L. PROFILE ON SHEET 13)

18. **DELETED**

19. CONSTRUCT 277 S.Y. OF A.C. P.V.M.T. (TYPE II) PER TYPICAL STREET CROSS-SECTIONS, SHT. 3.

20. CONSTRUCT 146 S.Y. OF A.C. P.V.M.T. (TYPE III) PER TYPICAL STREET CROSS-SECTIONS, SHT. 3.

21. CONSTRUCT 984 L.F. OF TYPE "A" VERT. CONC. CURB & GUTTER PER C.O.F. STD. DWG. NO. J-20.00.

22. CONSTRUCT 4273 S.F. OF CONC. SIDEWALK PER C.O.F. STD. DWG. NO. J-20.10 & ST. X-SECT. ON SHT. 3. (INCL. HANDICAPPED CURB RAMPS)

23. CONSTRUCT 1895 S.F. CONC. APRON AND 8' CROSS GUTTER PER DET. ON SHT. 3 & C.O.F. STD. DWG. NO. J-20.40. 2 EA.

24. CONSTRUCT 1054 S.F. OF 6" THICK CONC. DRIVEWAY ENTRANCE PER C.O.F. STD. DWG. NO. J-20.30. 6 EA. (5' WINGS TYP.) (USE 4' WINGS AT 4' S/W)

25. STA. 15+25 - 26.5' RT. (CENTER C.B. @ B/C) CONSTRUCT STD. SINGLE GUTTER INLET CATCH BASIN PER C.O.F. STD. DWG. NO. H-10.00. 1 EA. (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)

26. STA. 15+23 - 26.5' LT. (CENTER C.B. @ B/C) CONSTRUCT STD. DOUBLE GUTTER INLET CATCH BASIN PER C.O.F. STD. DWG. NO. H-10.00 & H-10.30. (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)

27. STA. 16+13.5 - 26.5' LT. (CENTER C.B. @ B/C) CONSTRUCT A.D.O.T. TYPE I SINGLE COMB. CURB & GUTTER INLET CATCH BASIN WITH EP-1 GRATE PER A.D.O.T. STD. DWG. NOS. C-15.10 & C-15.50. 1 EA. (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)

28. INSTALL 143 L.F. OF SALVAGED 18" DIA. R.G. REINFORCED CONC. PIPE (RORCP), CLASS I (D-LOAD = 800) PER MAG SPEC. 618 & 765 AND BEDDING & CONNECTION DETAILS ON SHEET 3. (SEE SPEC. PROV.) (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)

29. INSTALL 86 L.F. OF 18" DIA. RUBBER GASKET REINFORCED CONC. PIPE (RORCP), CLASS II (D-LOAD = 1000) PER MAG SPEC. 618 & 765 AND BEDDING & CONNECTION DETAILS ON SHEET 3. (SEE SPEC. PROV.) (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)

30. ADJUST EX. WATER VALVE TO GRADE PER C.O.F. STD. DWG. NO. I-20.15. 2 EA.

31. ADJUST EX. SEWER AND/OR STORM DRAIN MANHOLE TO GRADE PER C.O.F. STD. DWG. NO. I-20.15. 3 EA.

32. ADJUST EX. WATER METER BOX TO GRADE PER MAG STD. DET. 320. 3 EA.

33. INSTALL STD. SURVEY MONUMENTS WITH FRAME AND COVER PER C.O.F. STD. DWG. NO. K-20.00. 1 EA.

34. * REVISED 8" WATERLINE LOCATION.

AS BUILT

CALL TWO WORKING DAYS BEFORE YOU DIG

263-1100 1-800-STAKE-IT

OUTSIDE MARICOPA COUNTY

Coconino Engineering

1885 E. Butler Avenue Flagstaff, Arizona 86001 (602) 774-9532

CITY OF FLAGSTAFF, ARIZONA

SIXTH AVE RECONSTRUCTION

PAVING PLAN - SIXTH AVE.

PROJECT NUMBER 03-86023 (502-90)

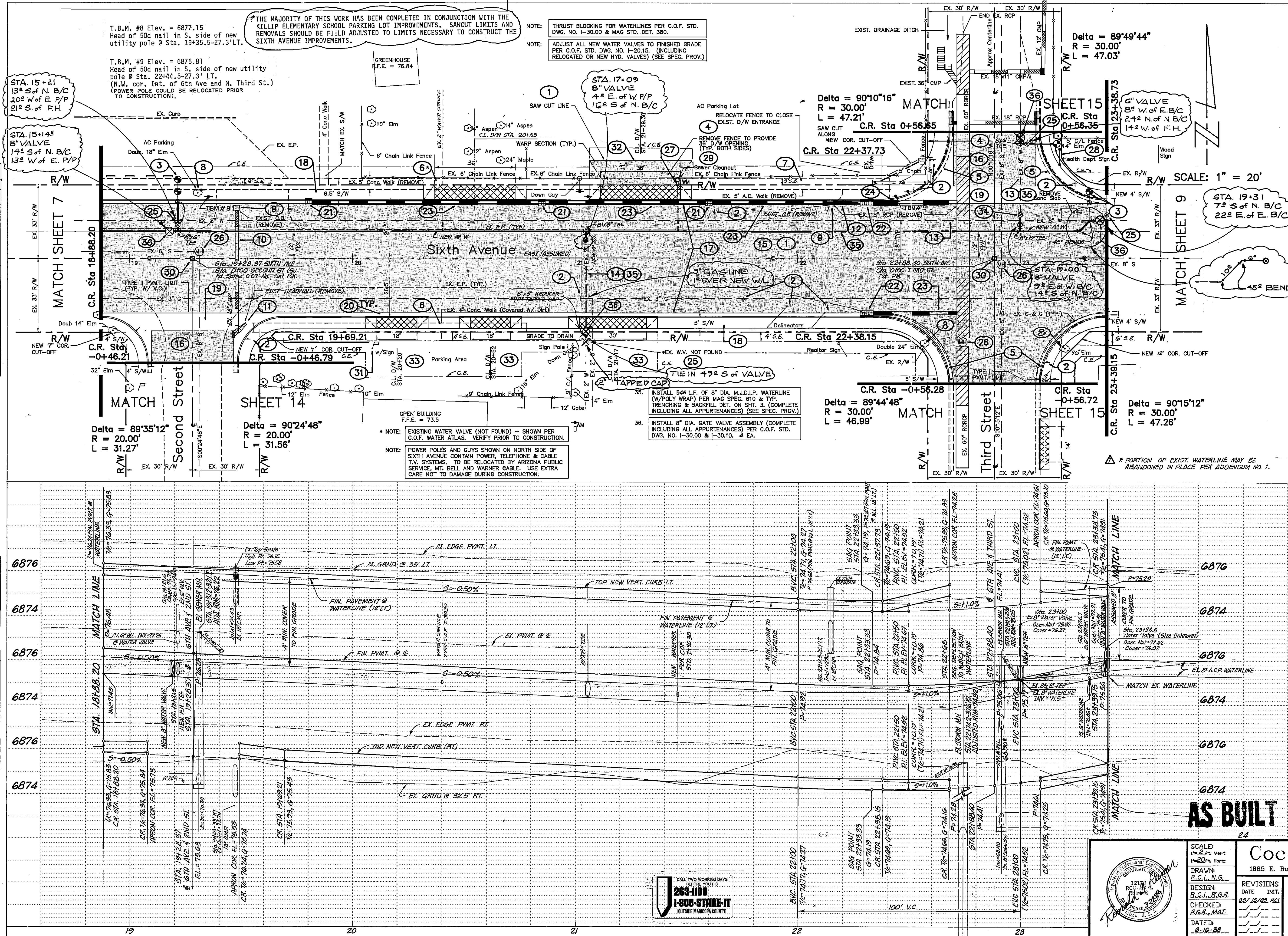
SHEET 7 OF 25

JOB No.

87288

PLAN	DATE	BY	CHKD.
SURVEYED			
PLOTTED			
ALIGNED			
CHECKED			
NO.			

PROFILE	DATE	BY	CHKD.
SURVEYED			
PLOTTED			
GRADES CHECKED			
NO.			



- SAW CUT 95 L.F. OF EX. A.C. PVMT. AND REMOVE APPROX. 2301 S.Y. OF EX. PVMT. PER MAG SPEC. 336 & 350.
 - REMOVE AND STOCKPILE WARNING, STREET & STOP SIGNS PER MAG SPEC. 201 & 350, AS DIRECTED BY THE CITY ENGINEER. 10 EA.
 - RELOCATE EX. FIRE HYDRANT ASSEMBLY (COMPLETE) TO STA. 19+21.5 - 34.5 LT. & STA. 0+50 - 27.5 RT. (3RD ST. STA.) PER C.O.F. STD. DWG. 1-30.20. 2 EA. (SEE SPEC. PROV.)
 - REMOVE AND SALVAGE 53 L.F. OF EX. CHAIN LINK FENCE. RELOCATE ALONG NEW R/W (COR. CUT-OFF). AND AT EX. DRIVEWAY ENTRANCE. STOCKPILE REMAINDER ON PROPERTY OR AS DIRECTED BY THE CITY ENGINEER, PER MAG SPEC. 350.
 - REMOVE 192 L.F. OF EX. CONC. VERT. CURB & GUTTER PER MAG SPEC. 350.
 - REMOVE 1486 S.F. OF EX. CONC. SIDEWALK PER MAG SPEC. 350.
 - REMOVE 815 S.F. OF EX. A.C. SIDEWALK PER MAG SPEC. 350.
 - REMOVE EX. TREES LARGER THAN 12" IN DIA. PER MAG SPEC. 201. 3 EA.
 - STA. 19+48 - 22.5' LT. & STA. 22+14.5 - 25.1' LT. REMOVE EX. SINGLE GUTTER INLET CATCH BASIN PER MAG SPEC. 350. 2 EA. (SEE SPEC. PROV.)
 - REMOVE AND SALVAGE 55 L.F. OF EX. 18" CMP PER MAG SPEC. 350. STOCKPILE AS DIRECTED BY THE CITY ENGINEER.
 - REMOVE EX. CONC. HEADWALL PER MAG SPEC. 350.
 - REMOVE AND SALVAGE 60 L.F. OF EX. 18" DIA. RGRCP (CLASS II) PER MAG SPEC. 350. STOCKPILE AS DIRECTED BY THE CITY ENGINEER. (SEE SPEC. PROV.)
 - STA. 18+88 TO 23+39 & STA. 23+00 - 18' LT. TO C.R. STA. 0+56.35. REMOVE AND DISPOSE OF 481 L.F. OF EX. 8" DIA. A.C.P. WATERLINE PER MAG SPEC. 350.
 - REMOVE AND DISPOSE OF 55 L.F. OF EX. 2" DIA. WATERLINE PER MAG SPEC. 350.
 - CONSTRUCT 2635 S.Y. OF A.C. PVMT. (TYPE II) PER TYPICAL STREET CROSS-SECTIONS, SHT. 3.
 - CONSTRUCT 157 S.Y. OF A.C. PVMT. (TYPE III) PER TYPICAL STREET CROSS-SECTIONS, SHT. 3.
 - CONSTRUCT 875 L.F. OF TYPE "A" VERT. CONC. CURB & GUTTER PER C.O.F. STD. DWG. NO. J-20.00.
 - CONSTRUCT 3642 S.F. OF CONC. SIDEWALK PER C.O.F. STD. DWG. NO. J-20.10 AND ST. X-801 ON SHT. 3. (INCL. HANDICAPPED CURB RAMPS)
 - CONSTRUCT 1240 S.F. OF CONC. APRON AND 8" CROSS GUTTER PER DET. ON SHT. 3 & C.O.F. STD. DWG. NO. J-20.40. 2 EA.
 - CONSTRUCT 1078 S.F. OF 6" THICK CONC. DRIVEWAY ENTRANCE PER C.O.F. STD. DWG. NO. J-20.30. 5 EA. (6" WINGS TYP.)
 - STA. 19+80, 20+85 & 21+80 - 26.5' LT. (CENTER CATCH BASIN AT BACK OF CURB) CONSTRUCT A.D.O.T. TYPE 1 SINGLE COMB. CURB & GUTTER INLET CATCH BASIN WITH EP-1 GRATE PER A.D.O.T. STD. DWG. NOS. C-15.10 & C-15.5A. 3 EA. (SEE DRAINAGE CROSS-SECTIONS ON SHEET 22)
 - STA. 22+31 - 26.5' LT. & RT. (CENTER C.B. @ B/C) CONSTRUCT A.D.O.T. TYPE 1 DOUBLE COMB. CURB & GUTTER INLET CATCH BASIN WITH EP-1 GRATE PER A.D.O.T. STD. DWG. NOS. C-15.10 & C-15.5A. 3 EA. (INCLUDE 1" GUTTER DEPRESSION) (SEE DRAINAGE CROSS-SECTIONS ON SHEET 22)
 - INSTALL 295 L.F. OF 18" DIA. RUBBER GASKET REINFORCED CONC. PIPE (RGRCP), CLASS II (D-LOAD = 1000) PER MAG SPEC. 618 & 765 AND BEDDING & CONNECTION DETAILS ON SHEET 3 & 22. (SEE DRAINAGE CROSS-SECTIONS ON SHEET 22)
 - INSTALL 44 L.F. OF 24" DIA. RUBBER GASKET REINFORCED CONC. PIPE (RGRCP), CLASS II (D-LOAD = 1000) PER MAG SPEC. 618 & 765 AND BEDDING & CONNECTION DETAILS ON SHEET 3 & 22. (SEE DRAINAGE CROSS-SECTIONS ON SHEET 22)
 - ADJUST EX. WATER VALVE TO GRADE PER C.O.F. STD. DWG. NO. I-20.15. 4 EA.
 - ADJUST EX. SEWER AND/OR STORM DRAIN MANHOLE TO GRADE PER C.O.F. STD. DWG. NO. I-20.15. 3 EA.
 - ADJUST EX. WATER METER BOX TO GRADE PER MAG STD. DET. 320. 1 EA.
 - RELOCATE AND ADJUST TO GRADE EX. HEALTH DEPT. SIGN TO 1' MIN. FROM BACK OF EX. R/W PER MAG SPEC. 350.
 - ADJUST EX. SEWER CLEAN-OUT TO GRADE PER C.O.F. STD. DWG. NO. I-20.30. 1 EA.
 - INSTALL STD. SURVEY MONUMENTS WITH FRAME AND COVER PER C.O.F. STD. DWG. NO. K-20.00. 2 EA.
 - EXIST. MAILBOX TO BE RELOCATED AS DIRECTED BY THE UNITED STATES POSTAL SERVICE. 1 EA.
 - CONSTRUCT 53 S.Y. OF A.C. PVMT. (DRIVEWAY TRANSITIONS) PER TYP. DET. ON SHT. 3. TOTAL 1 LOC. (SEE CROSS-SECTION SHEETS 16-20)
 - INSTALL 110 S.Y. OF A.B.C. DRIVEWAY TRANSITIONS (4" THICK) PER TYP. DET. ON SHT. 3. TOTAL 3 LOC. (SEE CROSS-SECTION SHEETS 16-20)
 - REMOVE AND SALVAGE EXIST. WATER VALVE PER MAG SPEC. 350. 1 EA. (1-8" W.V.)
- * REVISED 8" WATERLINE LOCATION.

AS BUILT

Coconino Engineering
1885 E. Butler Avenue Flagstaff, Arizona 86001 (802) 774-9512

CITY OF FLAGSTAFF, ARIZONA
SIXTH AVE RECONSTRUCTION
PAVING PLAN - SIXTH AVE.
PROJECT NUMBER 03-86023 (502-90)

SHEET
8 OF 25

JOB NO.
87288

SCALE:
1" = 20' Vert
1" = 20' Horiz

DRAWN:
R.C.L.N.G.

DESIGN:
R.C.L.N.G.

CHECKED:
B.G.R.MAT.

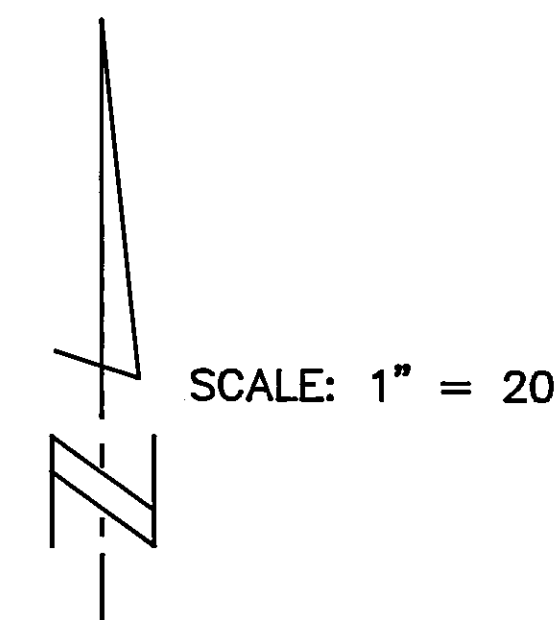
DATED:
8-16-88

REVISIONS

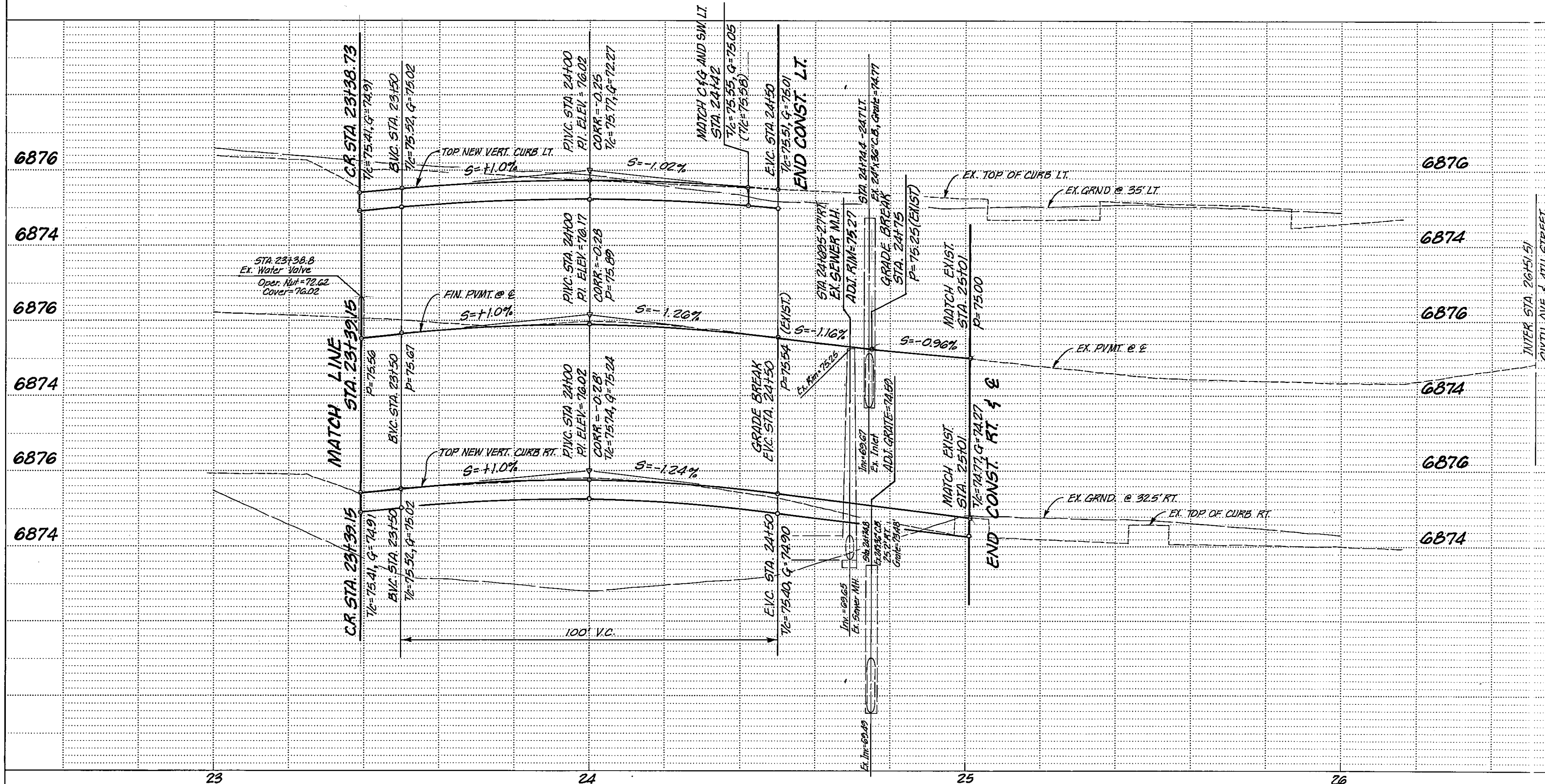
NO.	DATE	INT.
01	12/12/88	REV



DATE	BY	
SURVIVED _____ PLOTTED _____ GRADES CHECKED _____ B. M.'S NOTED _____ STRUCTURE NOTATIONS CHKO _____		
PROFILE NOTE BOOK NO. _____		



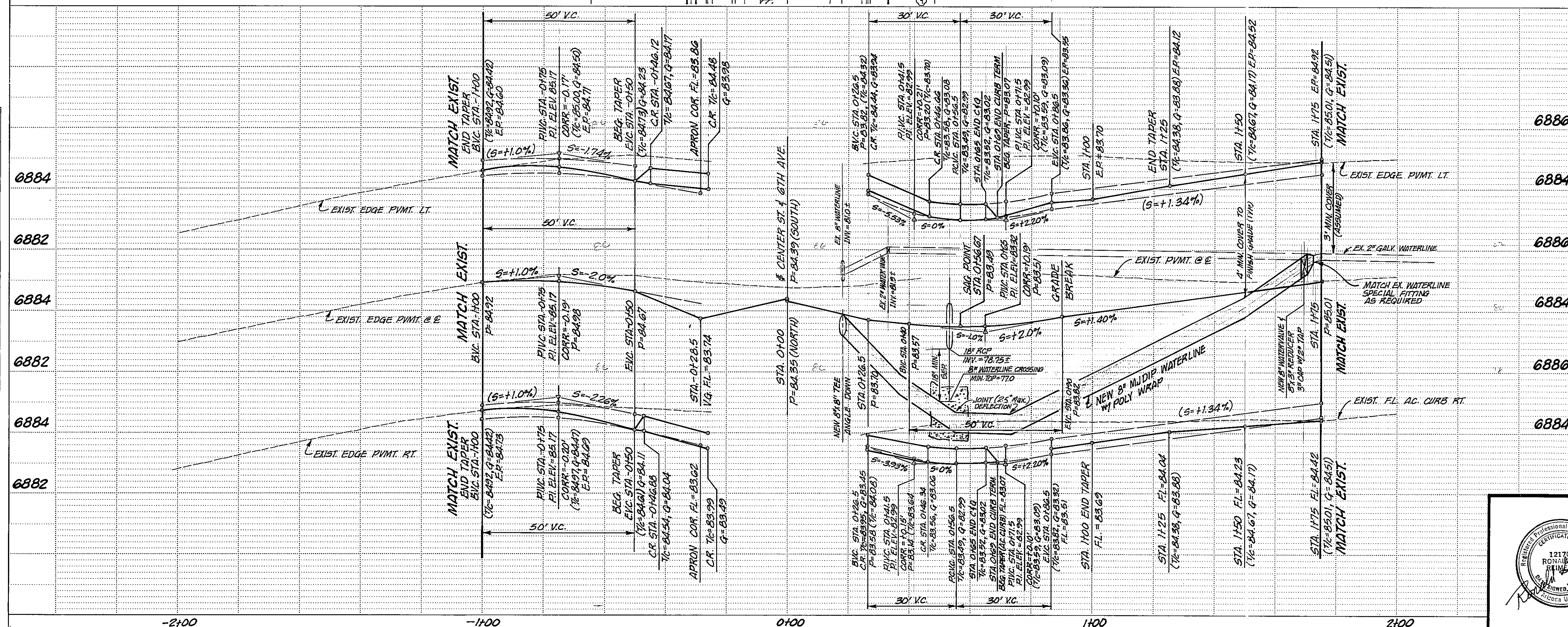
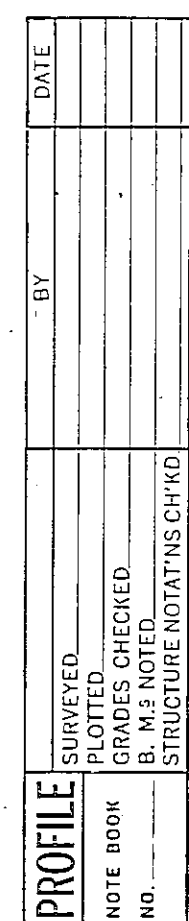
1. SAW CUT 100' L.F. OF EX. A.C. P.W.M.T. AND REMOVE APPROX. 648' S.Y. OF EX. P.V.M.T. PER MAG SPEC. 336 & 350.
2. REMOVE AND STOCKPILE WARNING, STREET & STOP SIGNS PER MAG SPEC. 201 & 350, AS DIRECTED BY THE CITY ENGINEER. 3 EA.
3. SAW CUT 4' L.F. AND REMOVE 107' L.F. OF EX. CONC. VERT. CURB & GUTTER PER MAG SPEC. 350.
4. SAW CUT 8' L.F. AND REMOVE 414 S.F. OF EX. CONC. SIDEWALK PER MAG SPEC. 350.
5. REMOVE EX. TREES 12" OR LESS IN DIA. AS SHOWN PER MAG SPEC. 201. (NON-PAY ITEM)
6. REMOVE EX. TREES LARGER THAN 12" IN DIA. PER MAG SPEC. 201. 1EA.
7. CONSTRUCT 744' S.Y. OF A.C. P.W.M.T. (TYPE II) PER TYPICAL STREET CROSS-SECTIONS, SHT. 3.
8. CONSTRUCT 266' L.F. OF TYPE "A" VERT. CONC. CURB & GUTTER PER C.O.F. STD. DWG. NO. J-20.00.
9. CONSTRUCT 885' S.F. OF CONC. SIDEWALK PER C.O.F. STD. DWG. NO. J-20.10 & ST. X-SECT. ON SHT. 3. (INCL. HANDICAPPED CURB RAMPS)
10. CONSTRUCT 178' S.F. OF 6" THICK CONC. DRIVEWAY ENTRANCE PER C.O.F. STD. DWG. NO. J-20.30. 2 EA (4' WINGS TYP.)
11. STA. 24+74.8 - 25+2' RT.
ADJUST EX. SINGLE GUTTER INLET CATCH BASIN TO GRADE AND FORM STD. SINGLE GUTTER INLET PER C.O.F. STD. DWG. NO. H-10.00. 1 EA.
12. ADJUST EX. WATER METER BOX TO GRADE PER MAG STD. DET. 320. 1 EA.
13. ADJUST EX. SEWER MANHOLE TO GRADE PER C.O.F. STD. DWG. NO. I-20.15. 1 EA.
14. INSTALL 84' S.Y. OF A.B.C. DRIVEWAY TRANSITIONS (4" THICK) PER TYP. DET. ON SHT. 3. TOTAL 2 LOC. (SEE CROSS-SECTION SHEETS 16-20)
15. ADJUST EX. WATER VALVE TO GRADE PER C.O.F. STD. DWG. NO. I-20.15. 1 EA.



PER PLAN

AS BUILT

	SCALE 1" = 2 ft Vert 1" = 20 ft Horiz	Coconino Engineering	
	DRAWN: R.C.L., N.G., D.	1885 E. Butler Avenue · Flagstaff, Arizona 86001 (602) 774-9512	
	DESIGN: R.C.L., A.G.G.	REVISIONS DATE INIT.	CITY OF FLAGSTAFF, ARIZONA SIXTH AVE RECONSTRUCTION PAVING PLAN - SIXTH AVE.
	CHECKED: R.G.G., M.A.L.	☒ / ☒ / ☒ ☒ / ☒ / ☒ ☒ / ☒ / ☒ ☒ / ☒ / ☒	SHEET 9 OF 25
	DATED: 6-10-88	PROJECT NUMBER 03-86023 (502-90)	
		JOB No. 87288	



- PER PLAN

AS BUILT

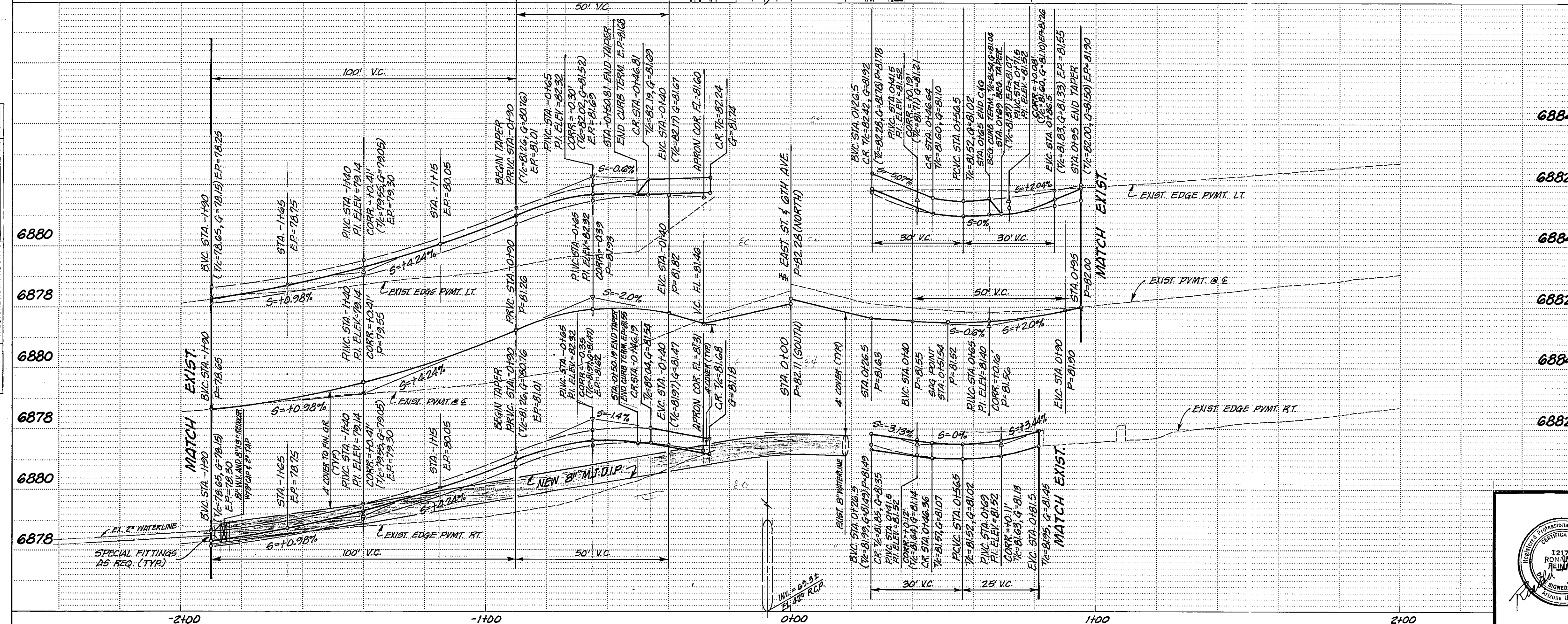


1885 E. Butler Avenue Flagstaff, Arizona 86001 (602) 774-9512

PROJECT NUMBER 03-86023 (502-90

87288

PROFILE NO. _____ NOTE BOOK _____ GRADES CHECKED _____ B. M'S NOTED _____ STRUCTURE NOTATIONS CHECKED _____	BY _____	DATE _____
	SURVEYED _____	
	PLOTTED _____	



1. SAW CUT 58' L.F. OF EX. C.A. PMVT. AND REMOVE APPROX. 592' S.Y. OF EX. PMVT. PER MAG SPEC. 336 & 350.
2. SAW CUT 2' L.F. AND REMOVE 36' L.F. OF EX. CONC. VERT. CURB & GUTTER PER MAG SPEC. 350.
3. SAW CUT 5' L.F. AND REMOVE 176' S.F. OF EX. CONC. SIDEWALK PER MAG SPEC. 350.
4. SAW CUT 37' L.F. AND REMOVE 71' S.F. OF EX. CONC. PMVT. PER MAG SPEC. 336 & 350.
5. RELOCATE EX. MAILBOX TO 6' MIN. FROM BACK OF NEW EDGE OF PMVT. 1 EA.
6. CONSTRUCT 635' S.Y. OF A.C. PMVT. (TYPE III) PER TYPICAL STREET CROSS-SECTIONS, SHIT. 3.
7. CONSTRUCT 307' L.F. OF THICKED EDGE PER MAG STD. DET. 201. TYPE "A".
8. CONSTRUCT 66' L.F. OF TYPE "A" VERT. CONC CURB & GUTTER PER C.O.F. STD. DWG. NO. J-20.00.
9. CONSTRUCT CURB TERMINATION PER TYP. DET. ON SHIT. 3. 3 EA.
10. CONSTRUCT 176' S.F. OF 5' CONC. SIDEWALK PER C.O.F. STD. DWG. NO. J-20.00.
11. STA. 0+56.5 - 20.5' L.T. & RT. (CENTER C.B. @ B/C) CONSTRUCT A.D.O.T. TYPE 1 DOUBLE CURB, CURB & GUTTER INLET CATCH BASIN WITH EF-1 GRATE PER A.D.O.T. STD. DWG. NOS. C-15.10, C-15.50 & C-15.70. 2 EA. (INCLUDE "1" GUTTER DEPRESSION)
(SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)
12. INSTALL 36 L.F. OF 18" DIA. RUBBER GASKET REINFORCED CONC. PIPE (RGRCP), CLASS II (D-LOAD = 1000) PER MAG SPEC. 618 & 765 AND BEDDING & CONNECTION DETAILS ON SHEET 3.
(SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)
13. CONSTRUCT 8' S.Y. OF A.C. PMVT.(DRIVEWAY TRANS.) PER TYP. DET. ON SHIT. 3. (TOTAL 1 LOC.)
14. INSTALL 38 S.Y. OF A.B.C. DRIVEWAY TRANSITIONS (4" THICK) PER TYP. DET. ON SHIT. 3. TOTAL 2 LOC.
15. REGRADE EX. DRIVEWAYS TO MATCH NEW EDGE OF PMVT. 2 EA. (USE EX. NATIVE MATERIAL)
16. REMOVE AND DISPOSE OF 144' L.F. OF EXIST. 2" DIA. WATERLINE PER MAG SPEC. 350.
17. INSTALL 144' L.F. OF 8" DIA. MDJP WATERLINE (W/POLY WRAP) PER MAG SPEC. 610 & TYPICAL TRUNCING & BACKFILL DETAIL ON SHEET 3. (COMPLETE INCLUDING ALL APPURTENANCES)
(SEE SPEC. PROV.)
18. INSTALL 81' DIA. GATE VALVE ASSEMBLY (COMPLETE INCLUDING ALL APPURTENANCE)
PER C.O.F. STD. DWG. NO. 1-30.00 & 1-30.10. 1 EA.

AS BUILT

CALL TWO WORKING DAYS
BEFORE YOU DIG

263-1100

1-800-STAKE-IT

OUTSIDE MARICOPA COUNTY

Coconino Engineering

1885 E. Butler Avenue Flagstaff, Arizona 86001 (602) 774-9512

**CITY OF FLAGSTAFF, ARIZONA
SIXTH AVE RECONSTRUCTION
PAVING PLAN - EAST ST.**

PROJECT NUMBER 03-86023 (502-90)

SHEET
11 OF 25

JDB No.

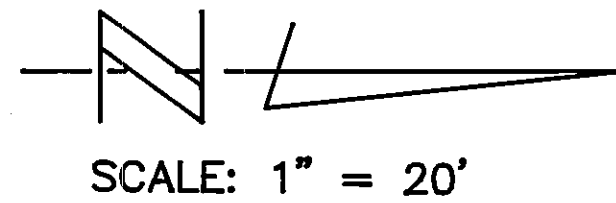
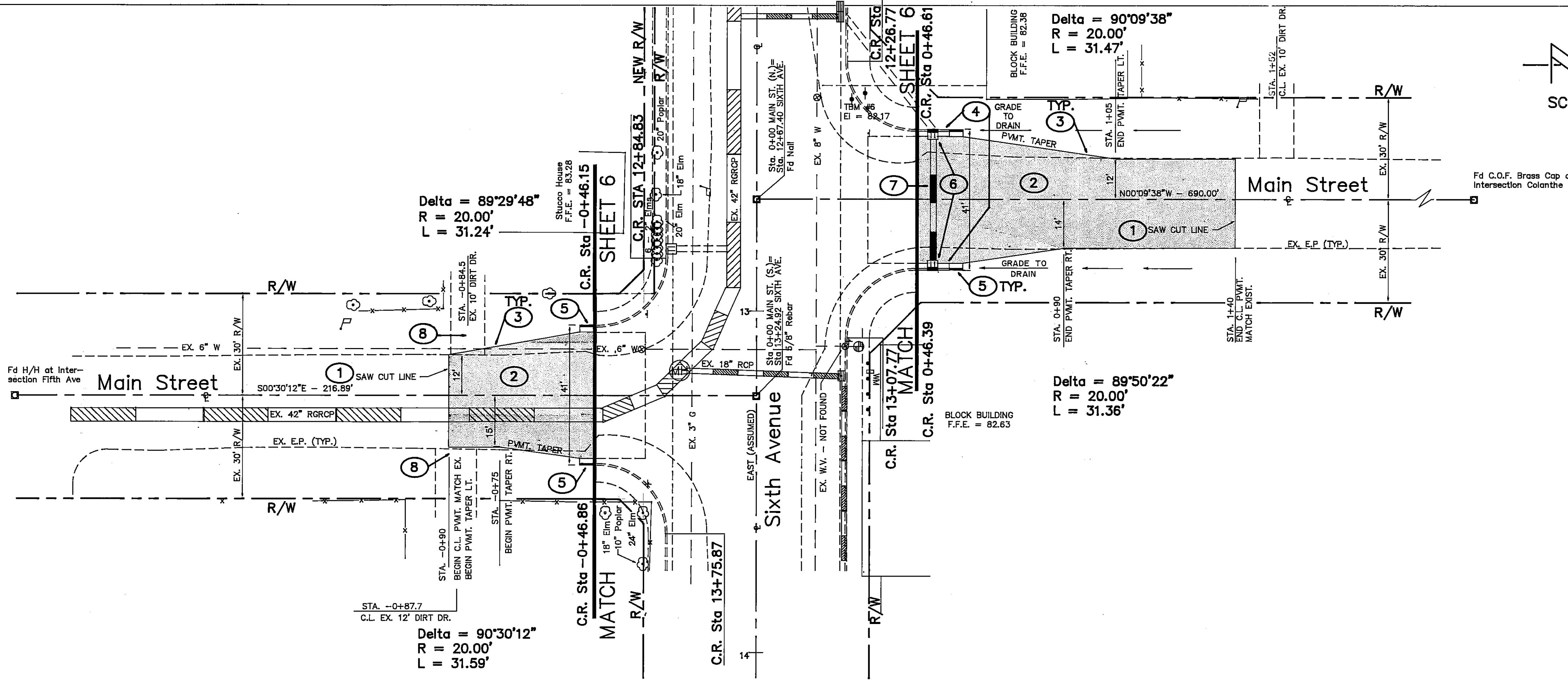
87288

R479 POCKET 34
FOLDER 135

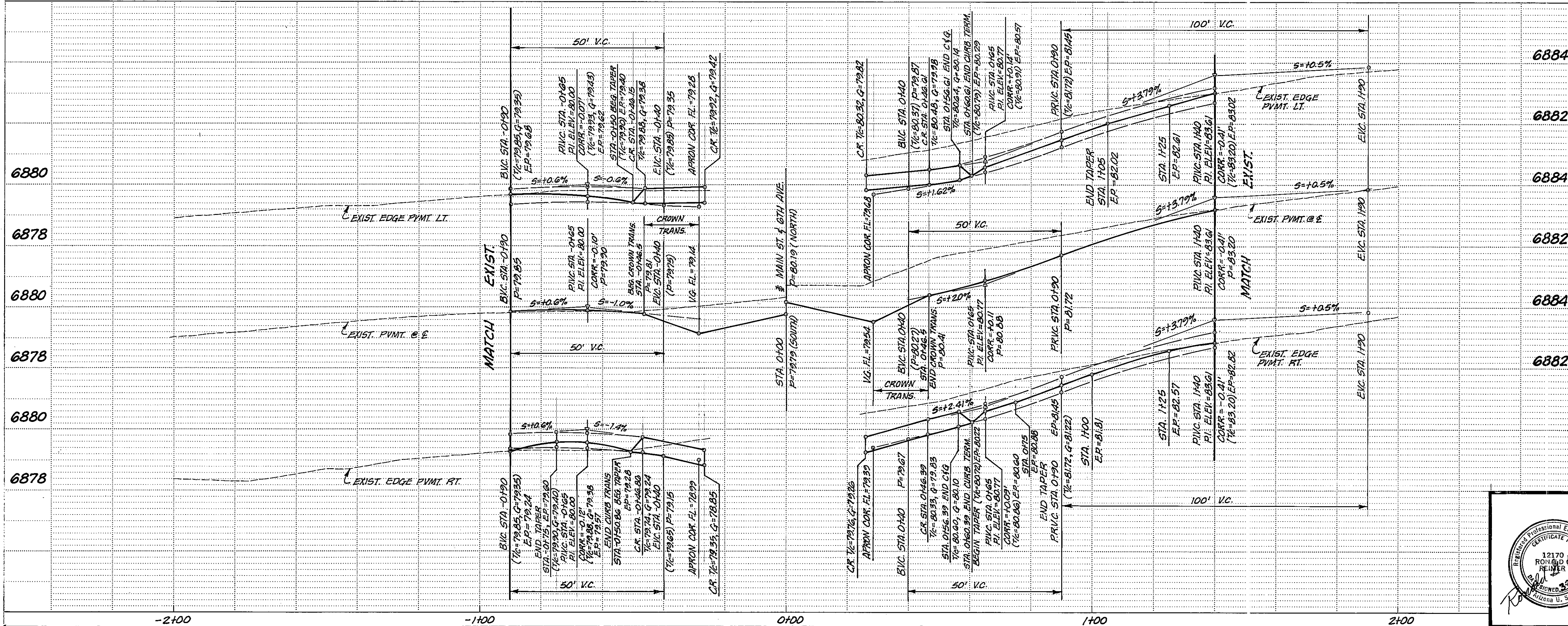


PLAN	NO.	DATE	BY	SURVEYED	PLOTTED	GRADE CHECKED	ALIGNED CHECKED	RT. OF WAY CHECKED

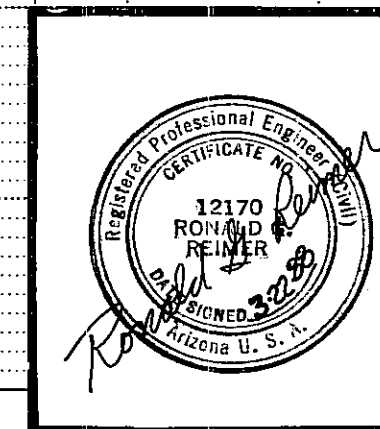
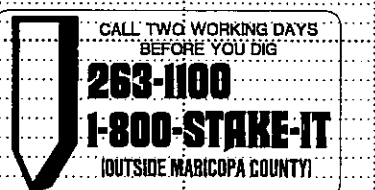
PROFILE	NO.	DATE	BY	SURVEYED	PLOTTED	GRADE CHECKED	ALIGNED CHECKED	STRUCTURE NOTATIONS CHD



1. SAW CUT 53 L.F. OF EX. A.C. P.W.M.T. AND REMOVE APPROX. 401 S.Y. OF EX. P.W.M.T. PER MAG SPEC. 336 & 350.
2. CONSTRUCT 485 S.Y. OF A.C. P.W.M.T. (TYPE III) PER TYPICAL STREET CROSS-SECTIONS, SHT. 3.
3. CONSTRUCT 240 L.F. OF THICKEND EDGE PER MAG STD. DET. 201. TYPE "A".
4. CONSTRUCT 36 L.F. OF TYPE "A" VERT. CONC CURB & GUTTER PER C.O.F. STD. DWG. NO. J-20.00.
5. CONSTRUCT CURB TERMINATION PER TYP. DET. ON SHT. 3. 4 EA.
6. STA. 0+51.39 - 20.5' LT. & STA. 0+51.39 - 20.5' RT. (CENTER CATCH BASIN AT BACK OF CURB) CONSTRUCT A.D.O.T. TYPE 1 SINGLE COMB. CURB & GUTTER INLET CATCH BASIN WITH EP-1 GRATE PER A.D.O.T. STD. DWG. NOS. C-15.10, C-15.50 & C-15.70 2 EA. (INCLUDE 1" GUTTER DEPRESSION) (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)
7. INSTALL 36 L.F. OF 18" DIA. RUBBER GASKET REINFORCED CONC. PIPE (RGRCP), CLASS II (0-LOAD = 1000) PER MAG SPEC. 618 & 765 AND BEDDING & CONNECTION DETAILS ON SHEET 3. (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)
8. REGRADE EX. DRIVEWAYS TO MATCH NEW EDGE OF P.W.M.T. 2 EA. (USE EX. NATIVE MATERIAL)

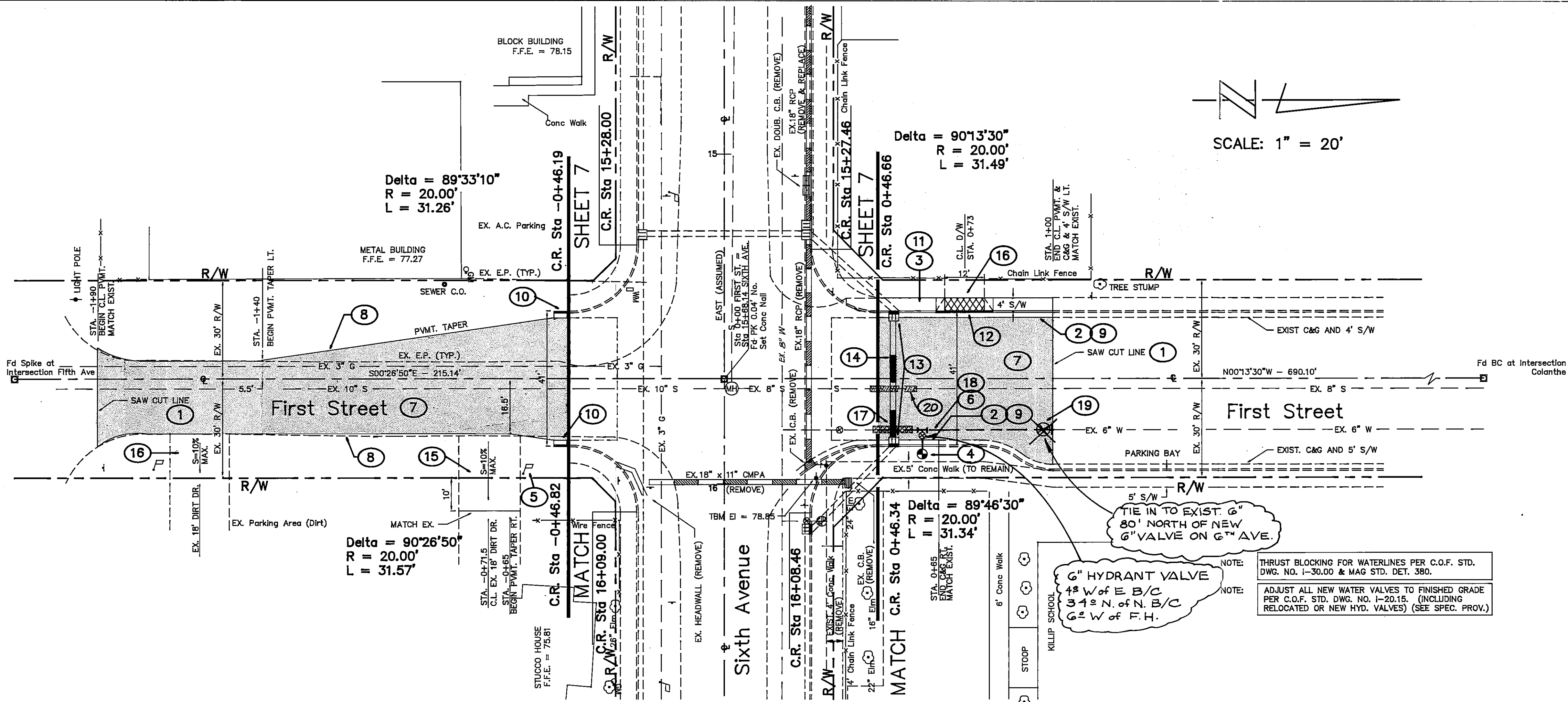


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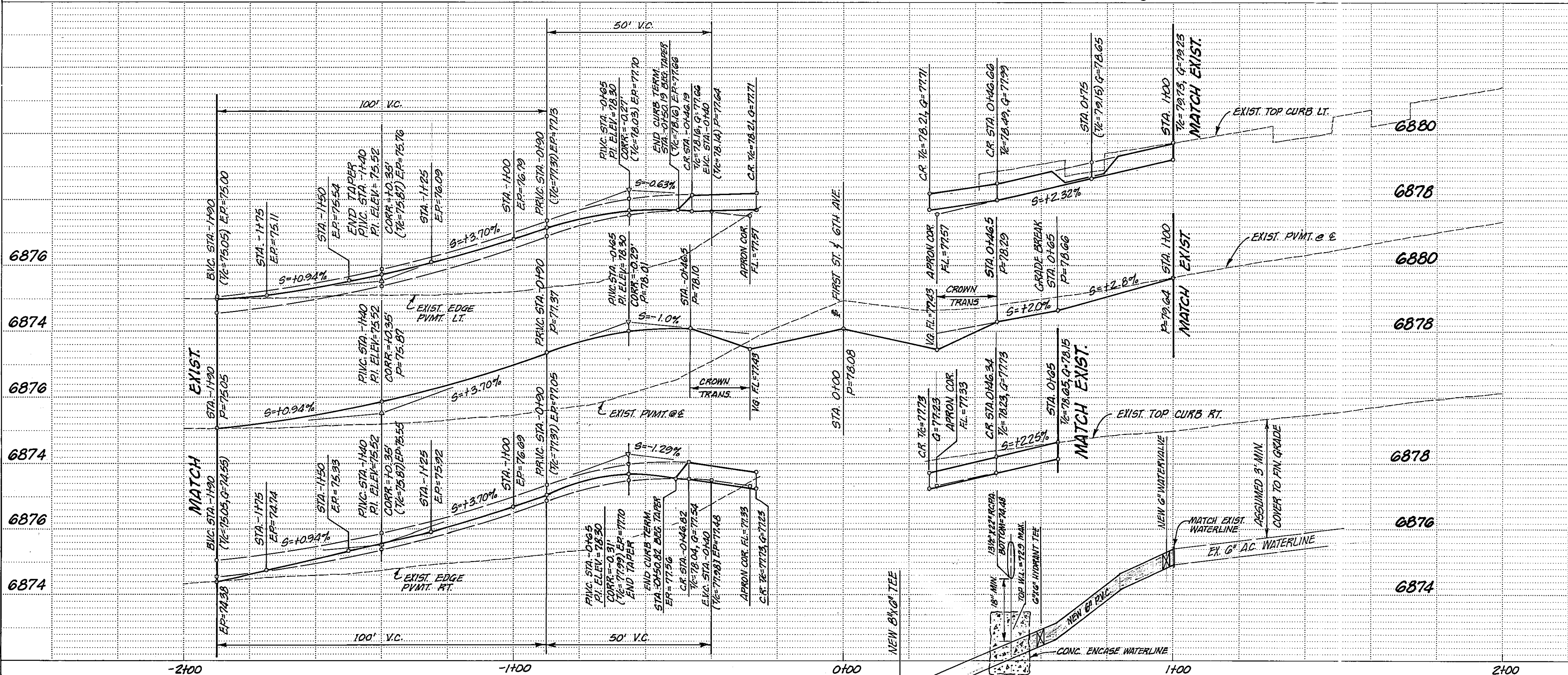
Coconino Engineering 1885 E. Butler Avenue Flagstaff, Arizona 86001 (802) 774-9512		SHEET 12 OF 25
DRAWN R.C.L., N.G., J.M.	REVISIONS DATE INT.	JOB No. 87288
DESIGN R.C.L., R.G.R.	CHECKED R.G.R., MAT.	PROJECT NUMBER 03-86023 (502-90)
DATED 6-18-88	CITY OF FLAGSTAFF, ARIZONA SIXTH AVE RECONSTRUCTION PAVING PLAN - MAIN ST.	

PLAN	DATE	BY	DATE
SURVEYED			
FLIPPED			
ALIGNED CHECKED			
NO. OF WAY CHECKED			
NO.			

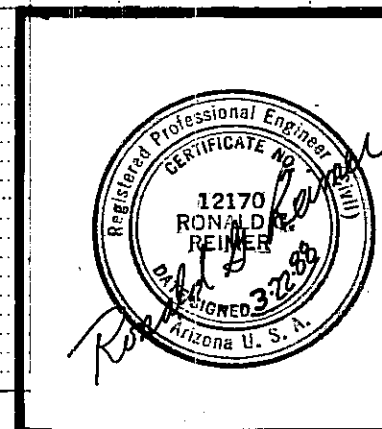


- SAW CUT 67 L.F. OF EX. A.C. PVMT. AND REMOVE APPROX. 584 S.Y. OF EX. PVMT. PER MAG SPEC. 336 & 350.
- SAW CUT 4 L.F. AND REMOVE 72 L.F. OF EX. CONC. VERT. CURB & GUTTER PER MAG SPEC. 350.
- SAW CUT 4 L.F. AND REMOVE 214 S.F. OF EX. CONC. SIDEWALK PER MAG SPEC. 350.
- INSTALL SALVAGED FIRE HYD. ASSEMBLY (COMP.) AT STA. 0+60 - 22.5' RT. PER C.O.F. STD. DWG. I-30.20 1 EA.
- RELOCATE EX. MAILBOX TO 6' FROM BACK OF NEW EDGE OF PVMT. 1 EA. (3.5' TYP. HEIGHT)
- C.R. STA. 0+46.34 TO STA. 1+00 REMOVE AND DISPOSE OF 54 L.F. OF EX. 6" DIA. A.C.P. WATERLINE PER MAG SPEC. 350.
- CONSTRUCT 652 S.Y. OF A.C. PVMT. (TYPE III) PER TYPICAL STREET CROSS-SECTIONS, SHT. 3.
- CONSTRUCT 280 L.F. OF THICKEND EDGE PER MAG STD. DET. 201. TYPE "A".
- CONSTRUCT 80 L.F. OF TYPE "A" VERT. CONC. CURB & GUTTER PER C.O.F. STD. DWG. NO. J-20.00.
- CONSTRUCT CURB TERMINATION PER TYP. DET. ON SHT. 3. 2 EA.
- CONSTRUCT 134 S.F. OF 4' CONC. SIDEWALK PER C.O.F. STD. DWG. NO. J-20.00.
- CONSTRUCT 80 S.F. OF 6" THICK CONC. DRIVEWAY ENTRANCE PER C.O.F. STD. DWG. NO. J-20.30. 1 EA. (4" WINGS TYP.)
- STA. 0+51.66 - 20.5' LT. & RT. (CENTER C.B. @ B/C) CONSTRUCT A.D.O.T. TYPE 1 SINGLE COMB. CURB & GUTTER INLET CATCH BASIN WITH 1" GRATE PER A.D.O.T. STD. DWG. NOS. C-15.10, C-15.50 & C-15.70 2 EA. (INCLUDE 1" GUTTER DEPRESSION) (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)
- INSTALL 36 L.F. OF 22"x13.5" RUBBER GASKET REINFORCED CONC. PIPE ARCH (RGRCPA) CLASS III (D-LOAD = 1350) PER MAG SPEC. 616 & 765 AND BEDDING & CONNECTION DETAILS ON SHEET 3. (SEE DRAINAGE CROSS-SECTIONS ON SHEET 21)
- INSTALL 47 S.Y. OF A.B.C. DRIVEWAY TRANSITIONS (4" THICK) PER TYP. DET. ON SHT. 3. TOTAL 1 LOC.
- REGRADE EX. DRIVEWAYS TO MATCH NEW EDGE OF PVMT. 2 EA. (USE EX. NATIVE MATERIAL)
- CONCRETE ENCASE 12 L.F. MIN. OF 6" DIA. WATERLINE PER C.O.F. STD. DWG. NO. I-10.10. TOTAL 1 LOC.
- INSTALL 54 L.F. OF 6" DIA. P.V.C. WATERLINE PER MAG SPEC. 610 & TYP. TRENCHING & BACKFILL DET. ON SHT. 3. (COMPLETE INCLUDING ALL APPURTENANCES) (SEE SPEC. PROV.)
- INSTALL 6" DIA. GATE VALVE ASSEMBLY (COMPLETE INCLUDING ALL APPURTENANCES) PER C.O.F. STD. DWG. NO. I-30.00 & I-30.10. 1 EA.
- CONCRETE ENCASE 6 L.F. MIN. OF EXIST. 8" DIA. SEWERLINE PER DETAIL ON SHEET 21 OF 25.

PROFILE	DATE	BY	DATE
SURVEYED			
FLIPPED			
GRADES CHECKED			
NO. OF WAY CHECKED			
NO.			



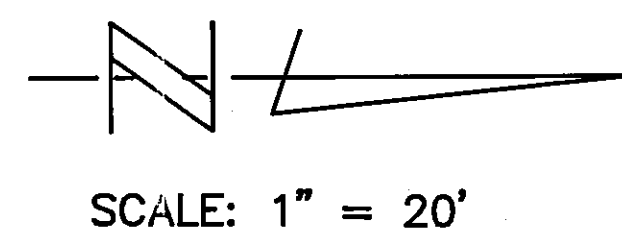
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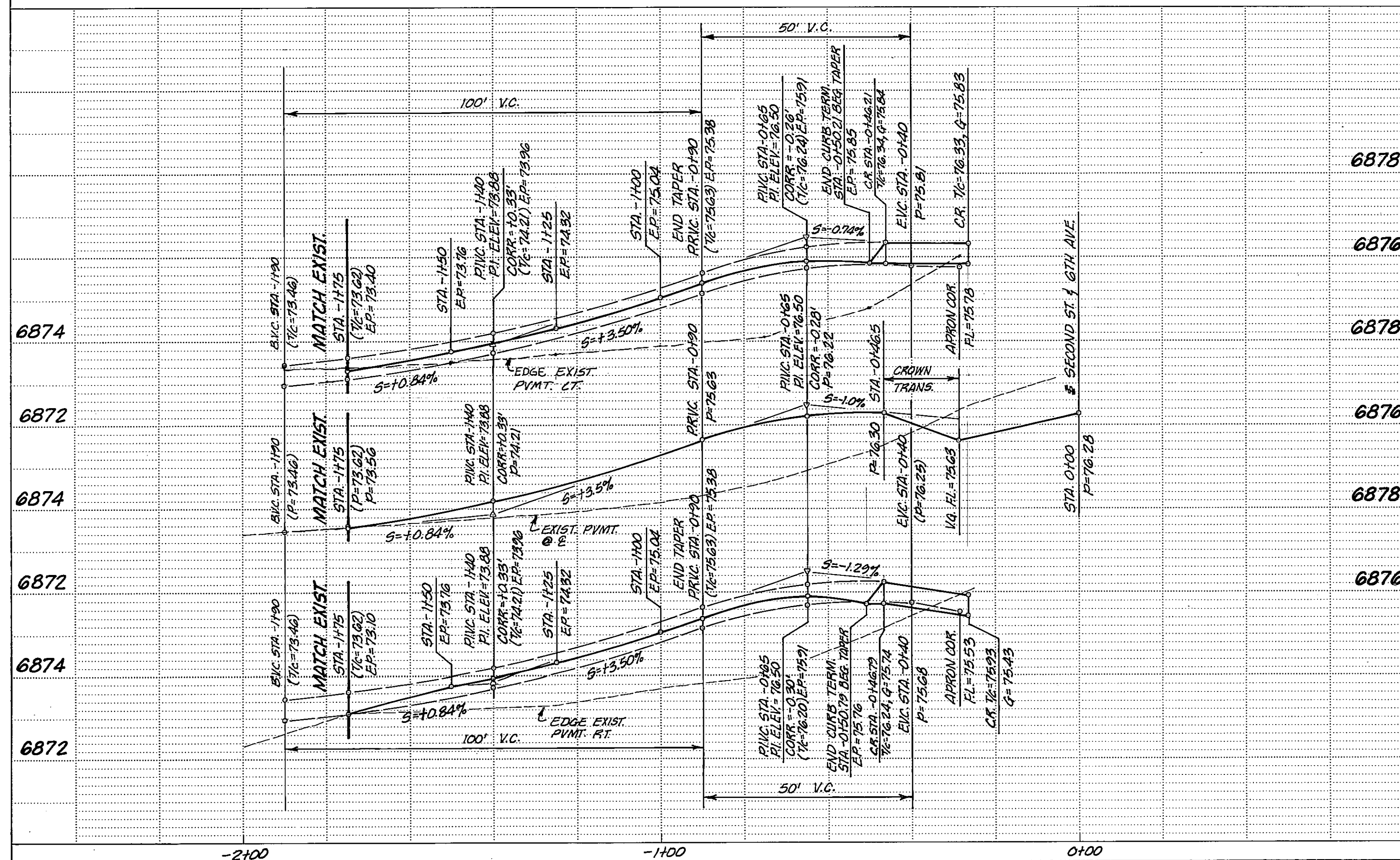
SCALE:
1" = 2' Vert
1" = 20' Horiz
DRAWN
R.C.L., N.G., P.M.
DESIGN
R.C.L., R.G.R.
CHECKED
B.B.R., M.A.T.
DATED
6-16-88

Coconino Engineering		SHEET	
1885 E. Butler Avenue Flagstaff, Arizona 86001 (602) 774-9512		13 OF 25	
CITY OF FLAGSTAFF, ARIZONA		JOB No.	
SIXTH AVE RECONSTRUCTION		87288	
PAVING PLAN - FIRST ST.			
PROJECT NUMBER 03-86023 (502-90)			

PROFILE	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
NO. _____	GRADES CHECKED _____		
	B. M. # NOTED _____		
	STRUCTURE NOTATING CLIPPING _____		

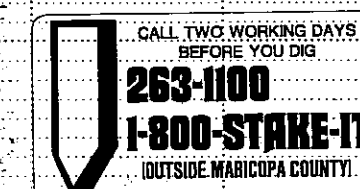


1. SAW CUT 26" L.F. OF EX. A.C. P.V.M.T. AND REMOVE APPROX. 372 S.Y. OF EX. P.V.M.T. PER MAG SPEC. 336 & 350.
2. CONSTRUCT 401 C.Y. OF A.C. P.V.M.T. (TYPE III) PER TYPICAL STREET CROSS-SECTIONS, SHT. 3.
3. CONSTRUCT 250 L.F. OF THICKEND EDGE PER MAG STD. DET. 201. TYPE "A".
4. CONSTRUCT CURB TERMINATION PER TYP. DET. ON SHT. 3. 2 EA. 8' L.F. TYPE "A" CONC. C&G
5. RELOCATE EX. MAILBOX TO 6' FROM BACK OF NEW EDGE OF P.V.M.T. 1 EA. (3.5' TYP. HEIGHT)
6. INSTALL 74 S.Y. OF A.B.C. DRIVEWAY TRANSITIONS (4" THICK) PER TYP. DET. ON SHT. 3. TOTAL 2 LOC.
7. REGRADE EX. DRIVEWAYS TO MATCH NEW EDGE OF P.V.M.T. 1 EA. (USE EX. NATIVE MATERIAL)



HIGHWAY FEDERAL AID SHEET
 PLATE 1-SINGLE PLAN AND PROFILE-FULL DOT
 TELEDYNE
 PRINTED IN U.S.A.

AS BUILT



Coconino Engineering

1885 E. Butler Avenue Flagstaff, Arizona 86001 (802) 774-9512

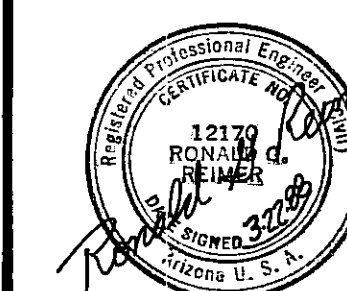
CITY OF FLAGSTAFF, ARIZONA
SIXTH AVE RECONSTRUCTION
PAVING PLAN - SECOND ST.

PROJECT NUMBER 03-86023 (502-90)

SHEET
14 OF 25

ITR No.

87288



SCALE:
1" = 2 ft. Vert
1" = 20 ft. Horiz

DRAWN:
R.C.I., N.G., L.

DESIGN:
R.C.I., R.G.R.

CHECKED:
R.G.R., M.A.J.

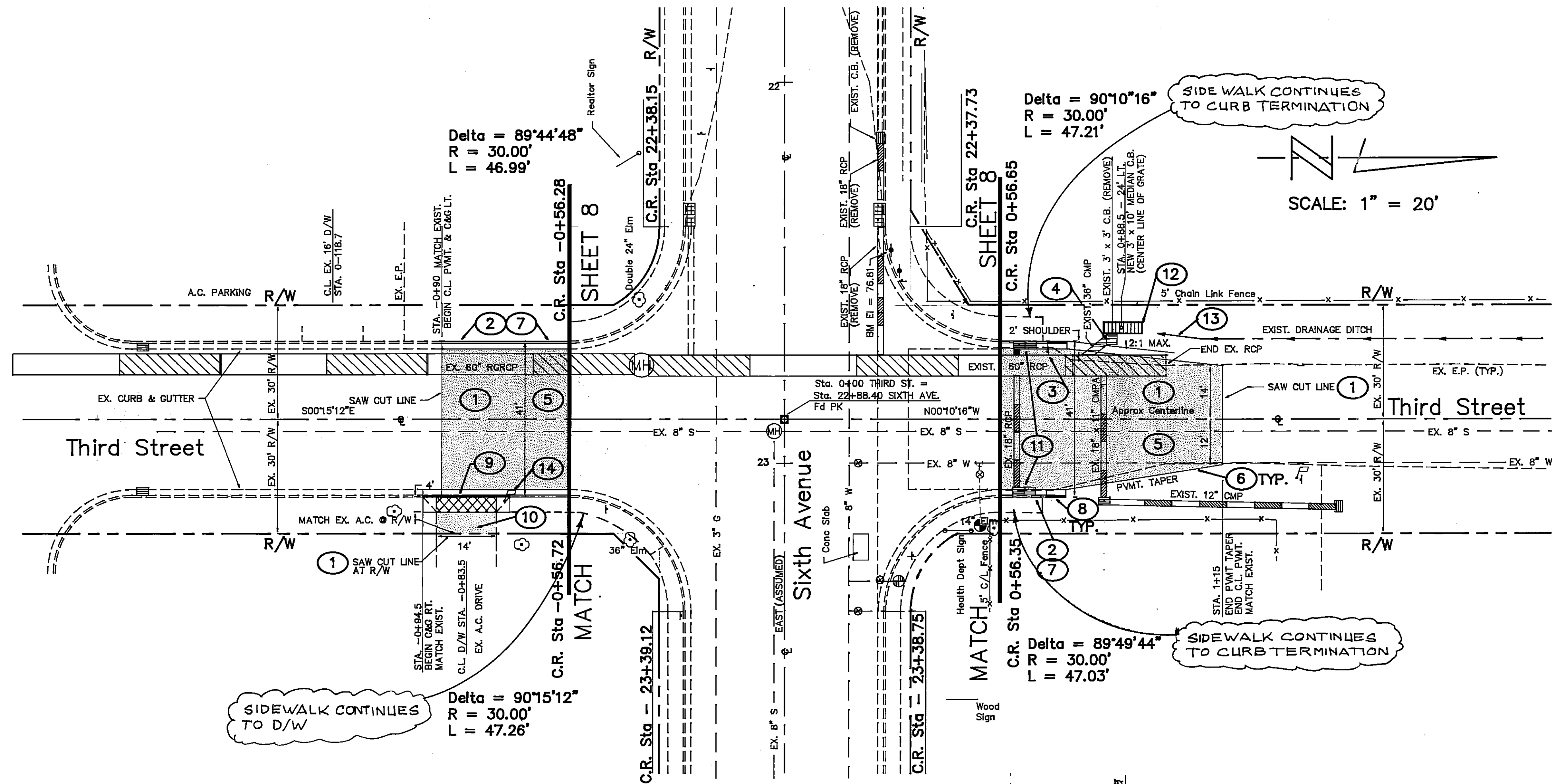
DATED:
6-16-88

REVISION	
DATE	INITIALS
___/___/___	___
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2479 POCKET 34
FOLDER 135

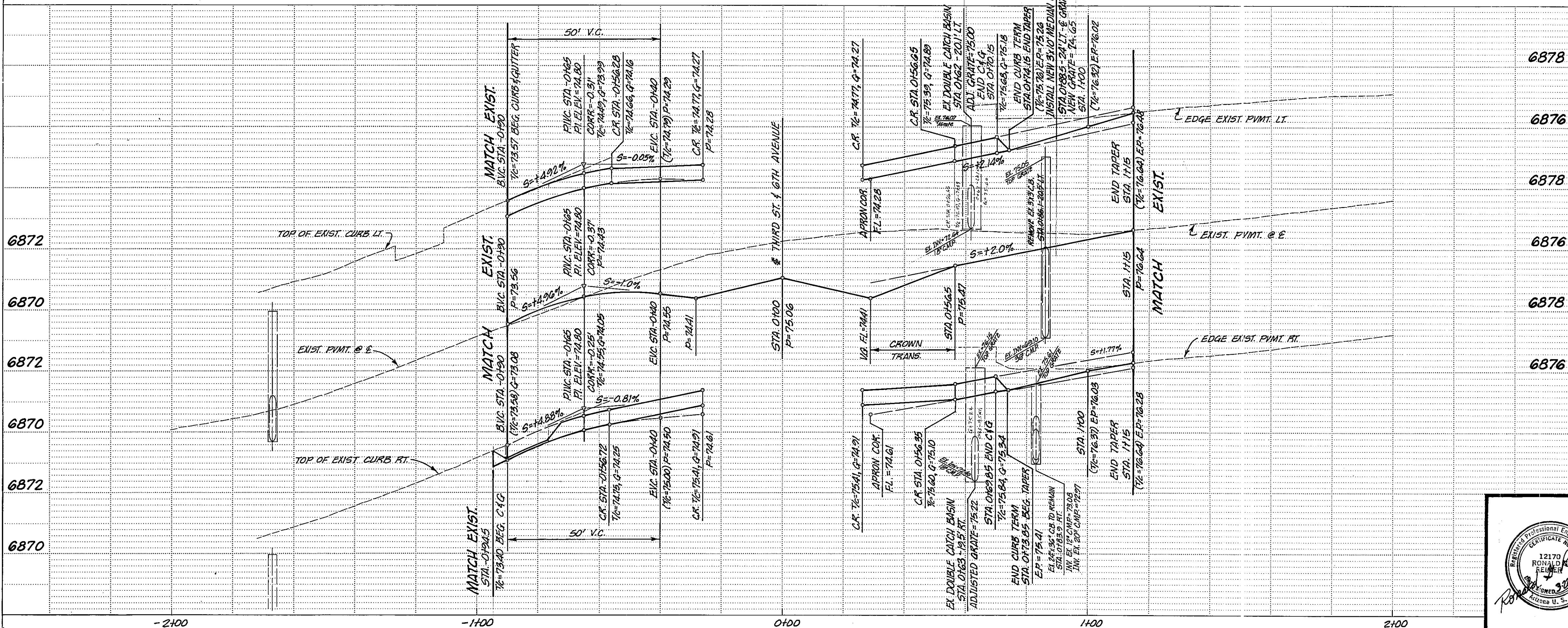
PLAN	SUBMITTED	DATE
	BY	
NOTE BOOK	SURVEYED	
	PLOTTED	
	ALIGNMENT CHECKED	
	RT. OF WAY CHECKED	

PROFILE	SURVEYED	DATE
	BY	
NOTE BOOK	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	



1. SAW CUT 77' L.F. OF EX. A.C. PVMT. AND REMOVE APPROX. 358' S.Y. OF EX. PVMT. PER MAG SPEC. 336 & 350.
2. SAW CUT 4' L.F. AND REMOVE 99' L.F. OF EX. CONC. VERT. CURB & GUTTER PER MAG SPEC. 350.
3. REMOVE AND STOCKPILE WARNING, STREET & STOP SIGNS PER MAG SPEC. 201 & 350, AS DIRECTED BY THE CITY ENGINEER. 1 EA.
4. STA. 0+86 - 20.5' LT. REMOVE EX. MEDIAN GUTTER INLET CATCH BASIN PER MAG SPEC. 350. 1 EA. (SEE SPEC. PROV.)
5. CONSTRUCT 354' S.Y. OF A.C. PVMT. (TYPE III) PER TYPICAL STREET CROSS-SECTIONS, SHT. 3.
6. CONSTRUCT 83' L.F. OF THICKEND EDGE PER MAG STD. DET. 201. TYPE "A".
7. CONSTRUCT 107' L.F. OF TYPE "A" VERT. CONC CURB & GUTTER PER C.O.F. STD. DWG. NO. J-20.00.
8. CONSTRUCT CURB TERMINATION PER TYP. DET. ON SHT. 3. 2 EA.
9. CONSTRUCT 88' S.F. OF 6" THICK CONC. DRIVEWAY ENTRANCE PER C.O.F. STD. DWG. NO. J-20.30. 1 EA. (4' WINGS TYP.)
10. CONSTRUCT 9' S.Y. OF A.C. PVMT. (DRIVEWAY TRANS.) PER TYP. DET. ON SHT. 3. (TOTAL 1 LOC.)
11. STA. 0+62.5 - 20' LT. & RT. ADJUST EX. DOUBLE GUTTER INLET CATCH BASIN TO GRADE AND FORM STD. DOUBLE GUTTER INLET PER C.O.F. STD. DWG. NO. H-10.00 & H-10.30. 2 EA.
12. STA. 0+88.5 - 24' LT. (CENTER C.B. GRATE) CONSTRUCT MEDIAN CATCH BASIN PER DET. ON SHT. 22. 1 EA.
13. REGRADE 20' L.F. OF EX. DRAINAGE CHANNEL PER MAG SPEC. 215. (MATCH EX. TYP. SECTION)
14. RELOCATE EX. MAILBOX TO 1' (CLEAR) FROM BACK OF NEW CURB & GUTTER PER MAG SPEC. 350. 1 EA. 3.5' TYP. HEIGHT OF MAILBOX

SCALE: 1" = 20'



PER PLAN

AS BUILT



Coconino Engineering
1885 E. Butler Avenue Flagstaff, Arizona 86001 (802) 774-9512

CITY OF FLAGSTAFF, ARIZONA
SIXTH AVE RECONSTRUCTION
PAVING PLAN - THIRD ST.

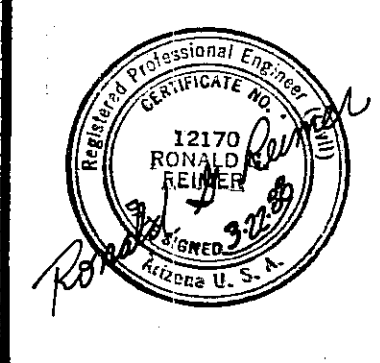
PROJECT NUMBER 03-86023 (502-90)

SHEET

15 OF 25

JOB No.

87288

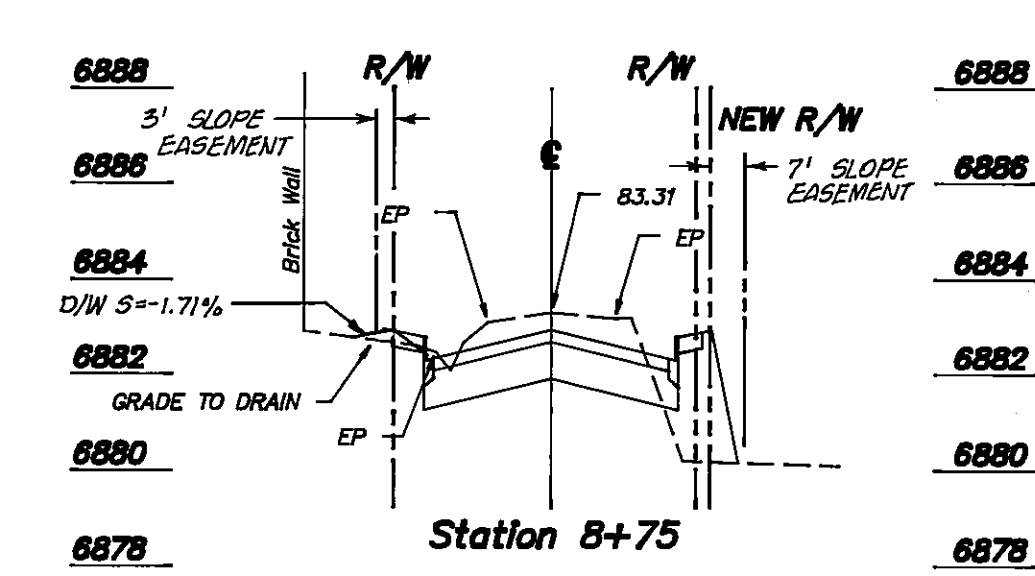
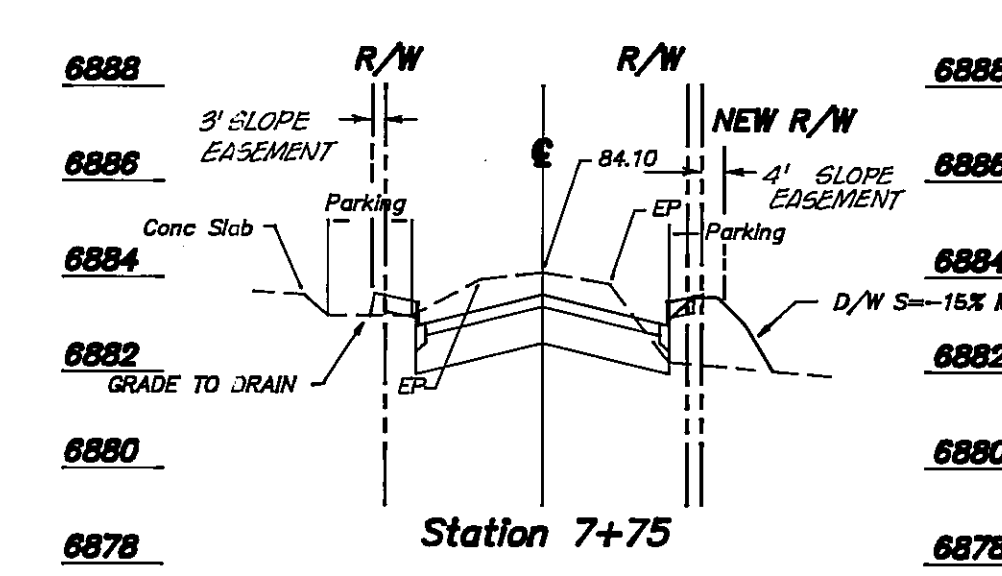
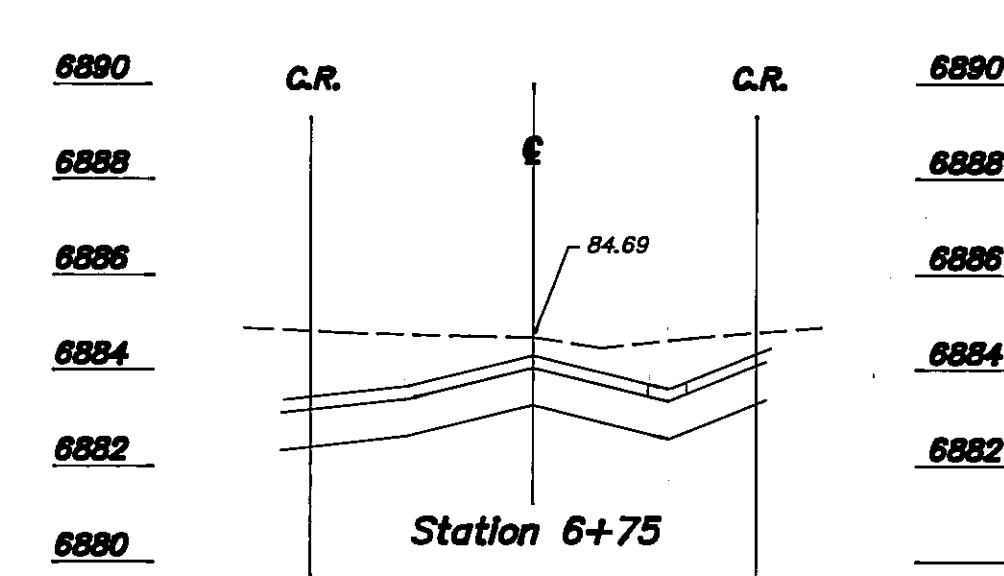
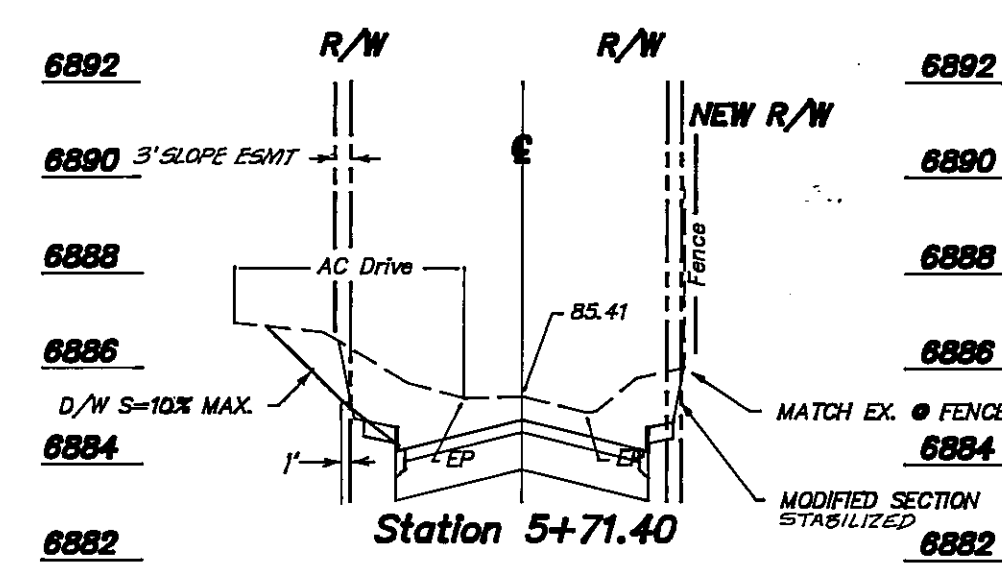
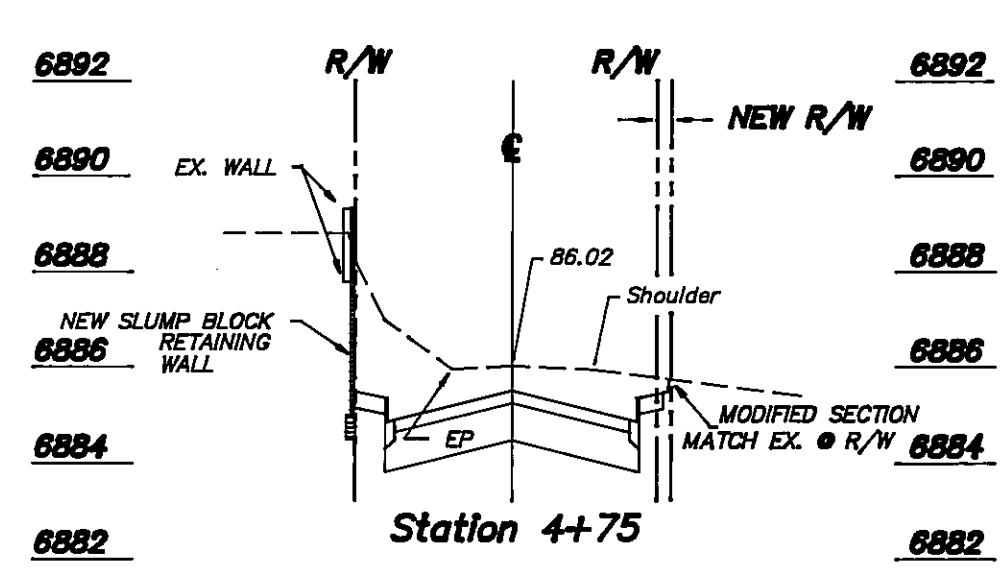
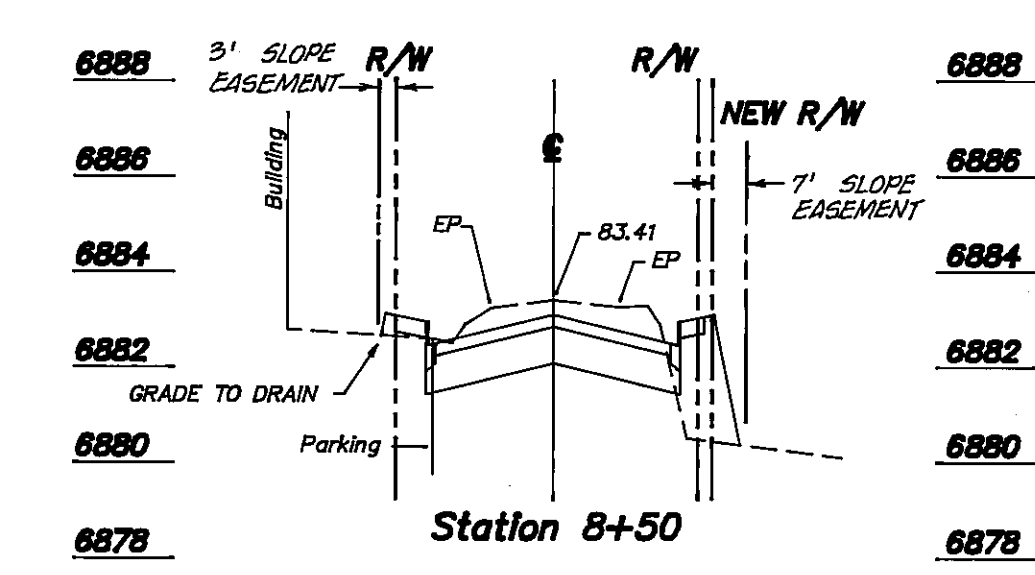
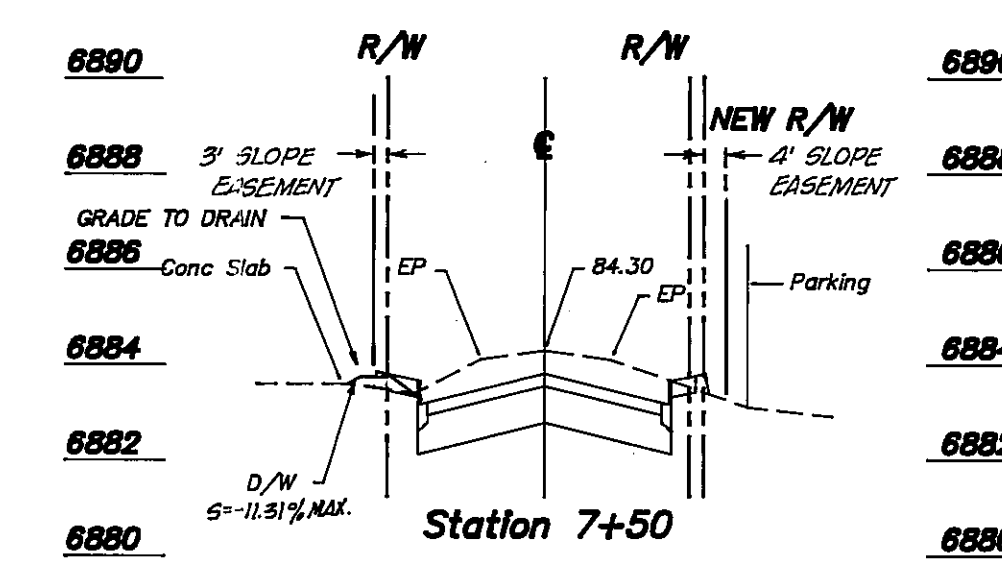
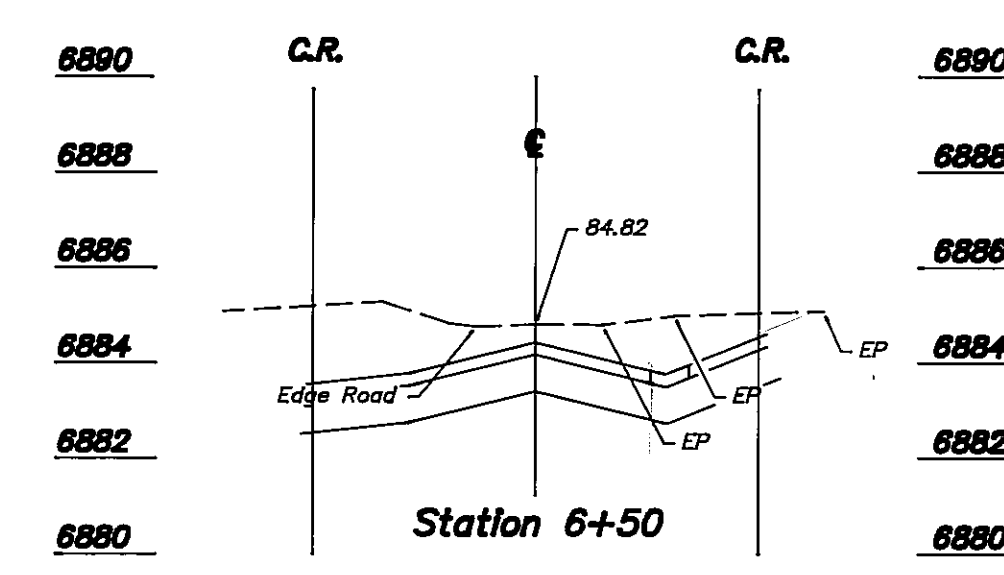
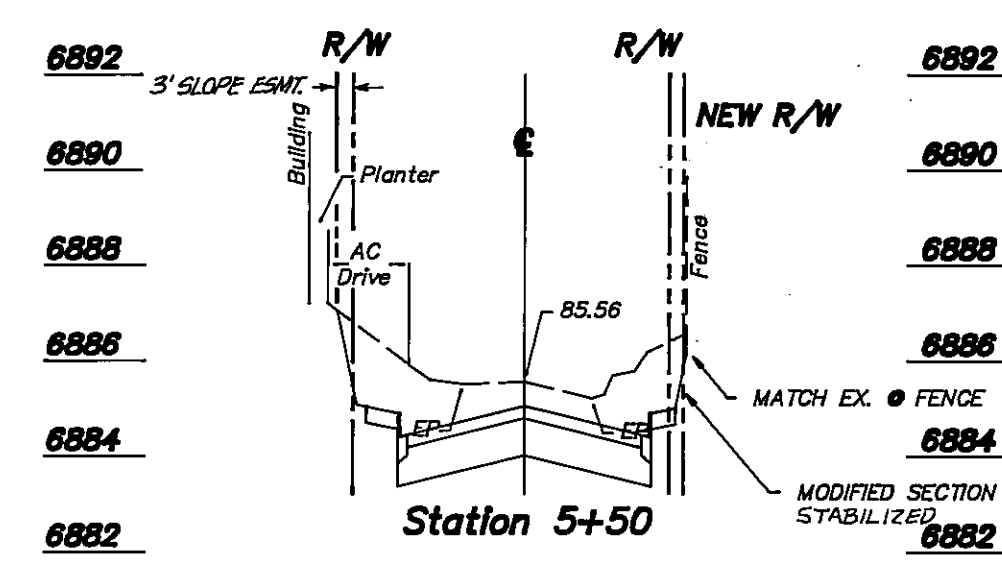
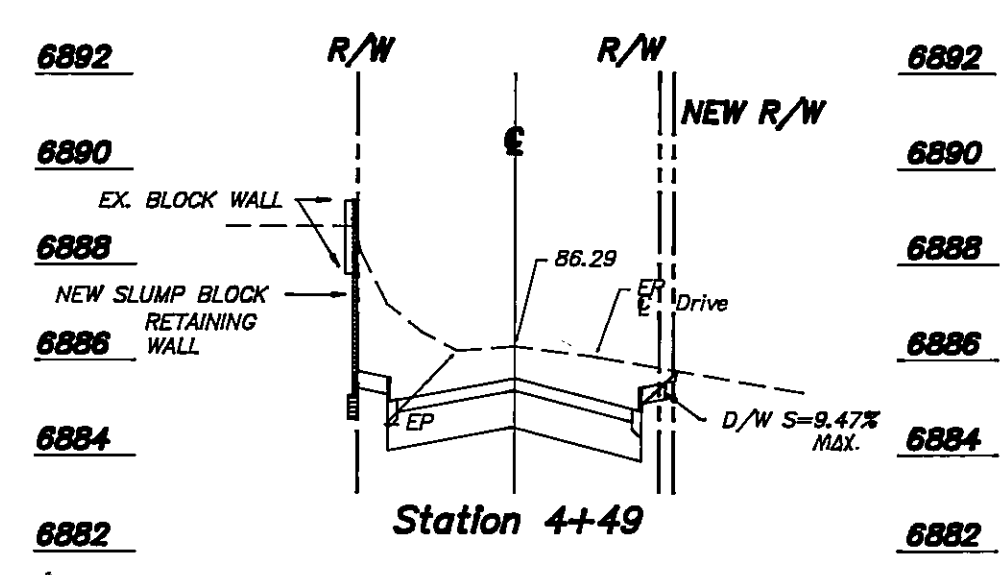
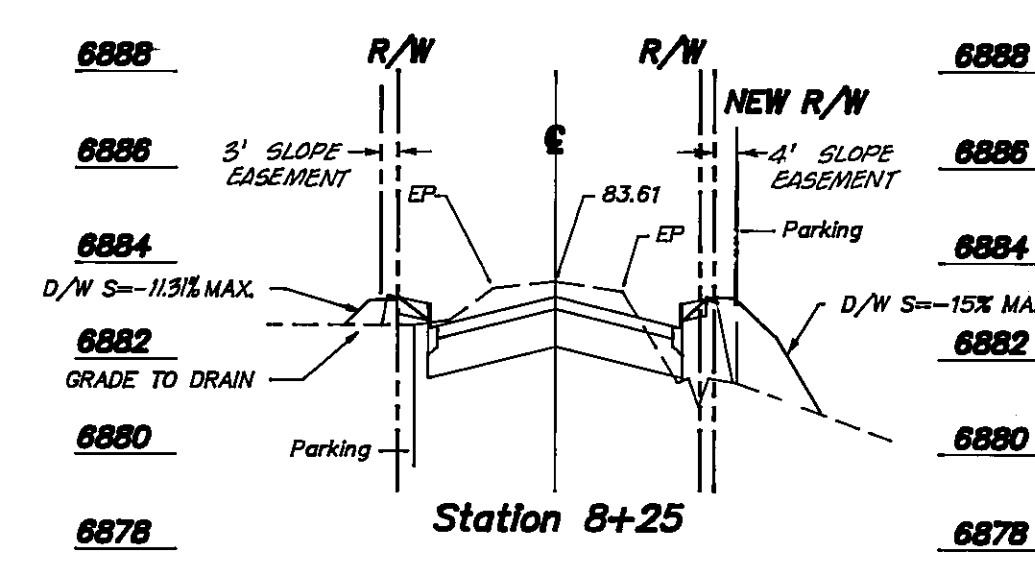
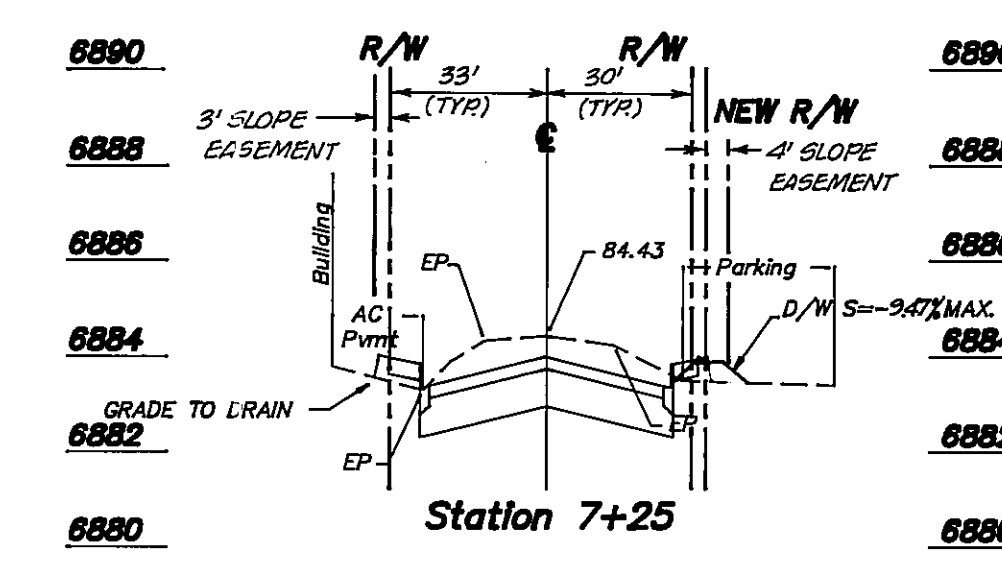
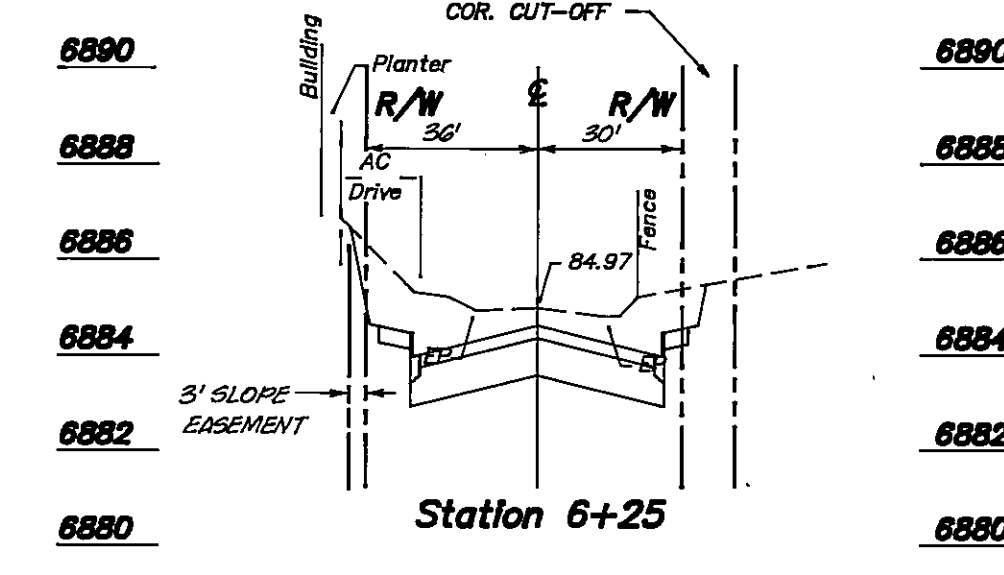
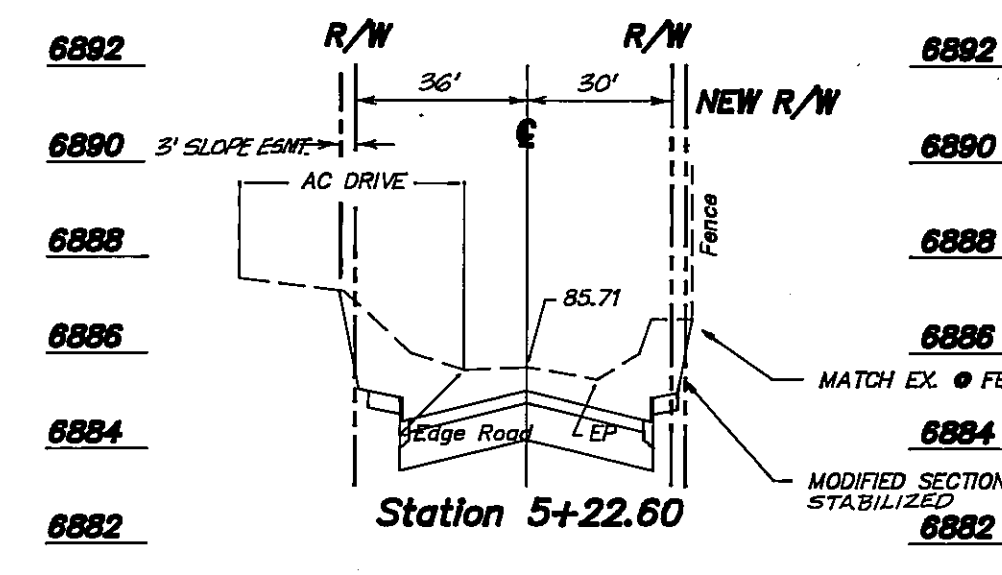
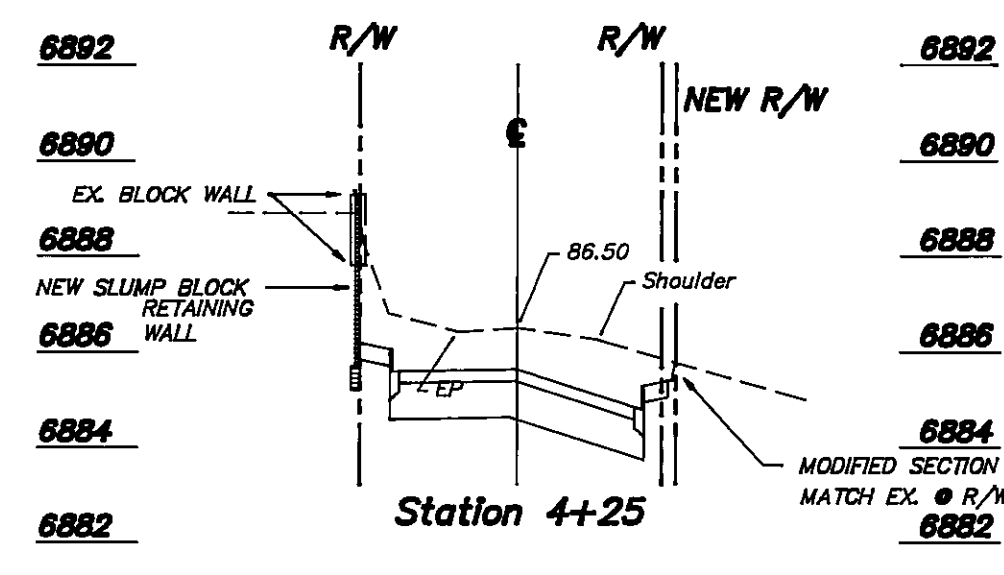
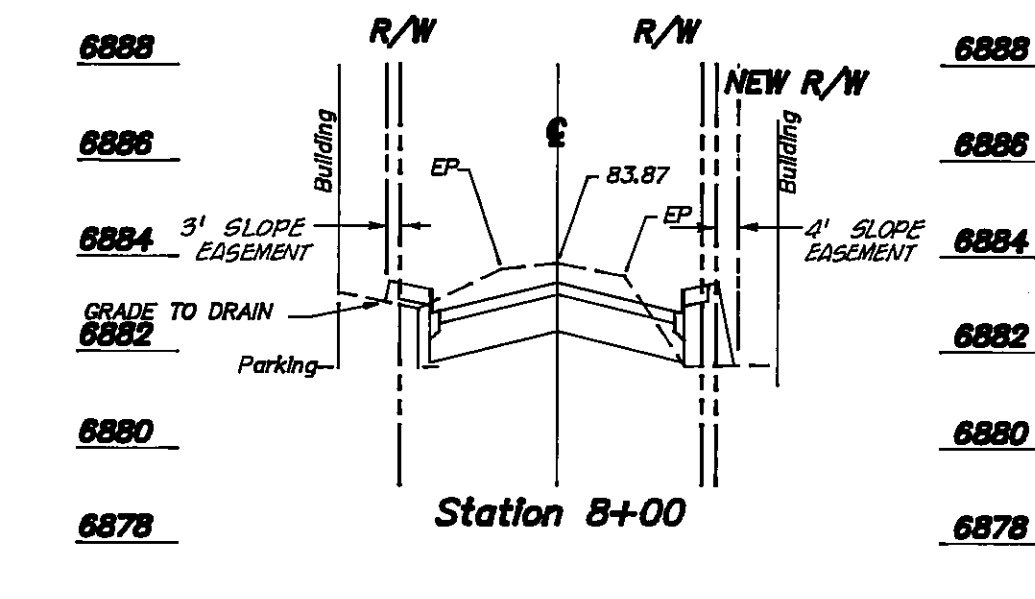
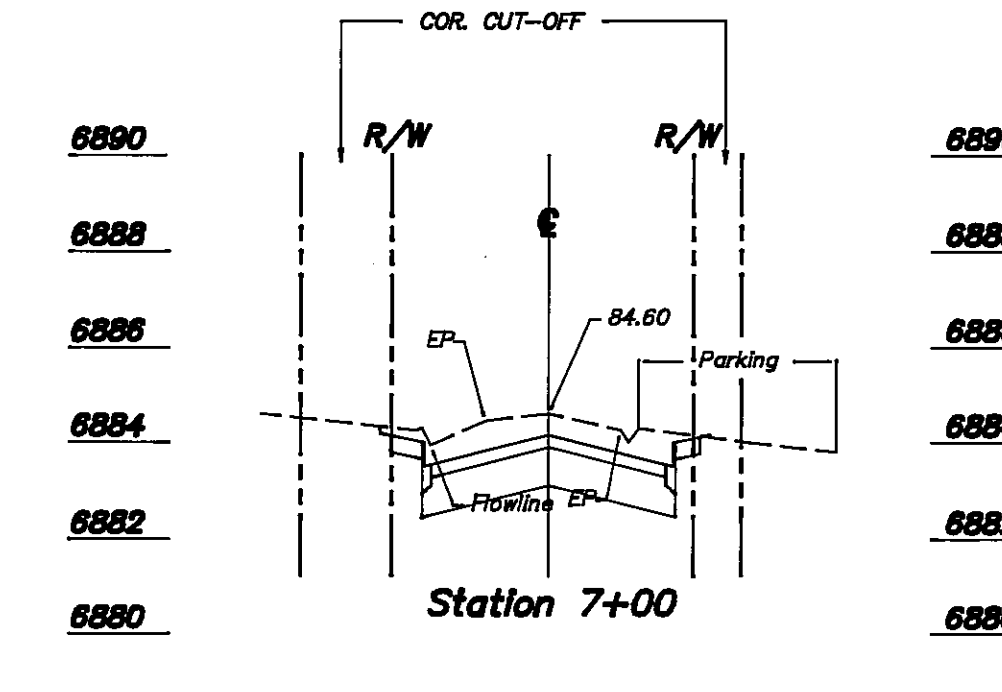
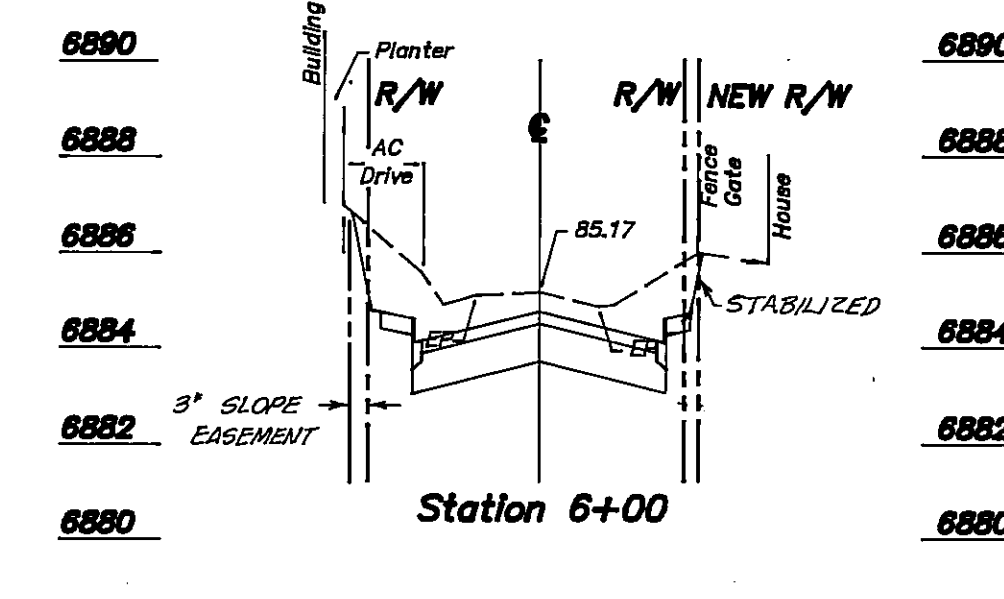
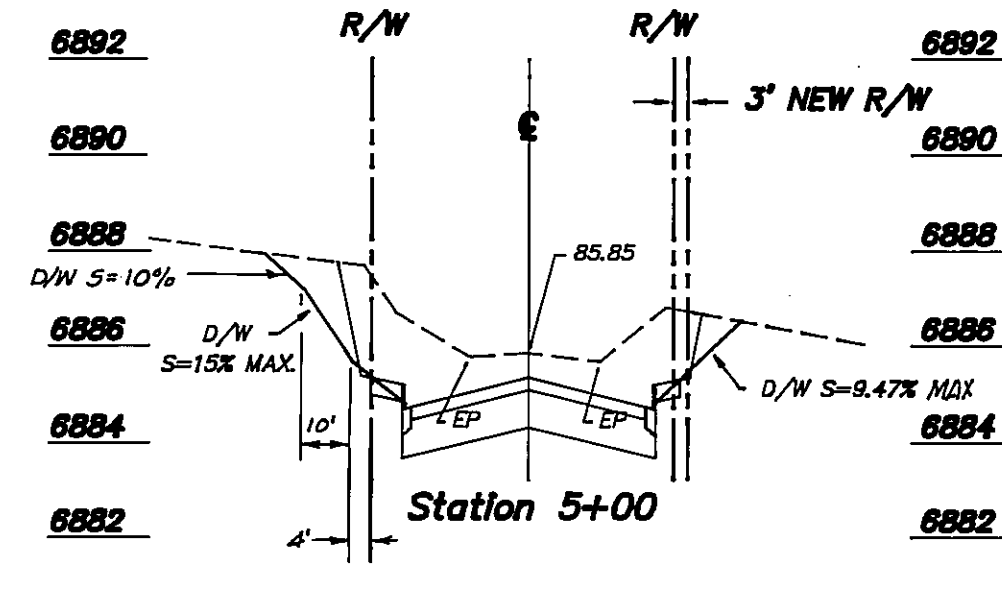
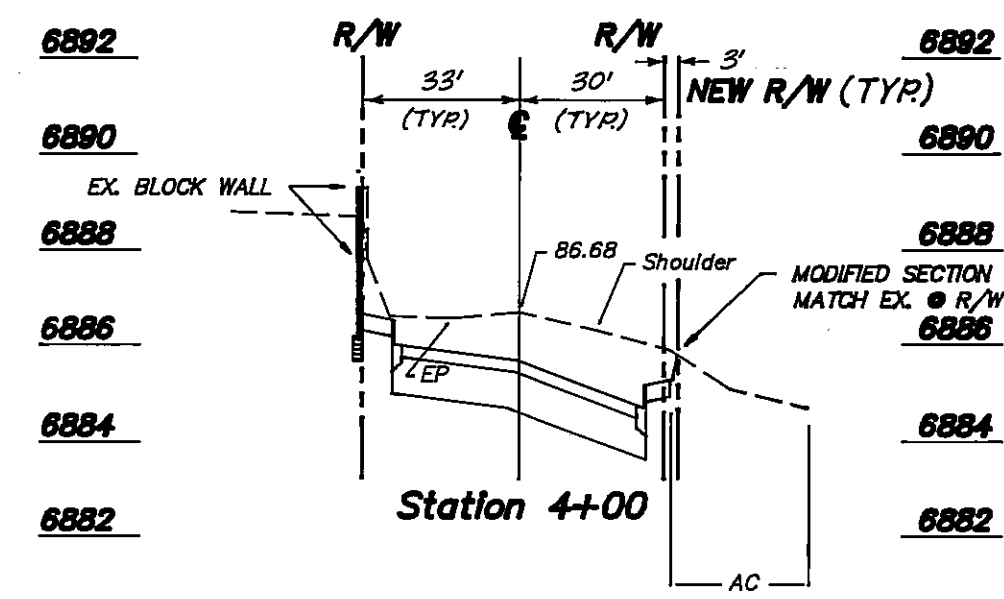


SCALE:
1" = 2' Vert
1" = 20' Horiz
DRAWN
R.C.I., N.G.D.M.
DATE
DESIGN
R.C.I., R.G.R.
CHECKED
R.G.R., M.T.
DATED
6-16-88

REVISIONS
DATE
INIT.

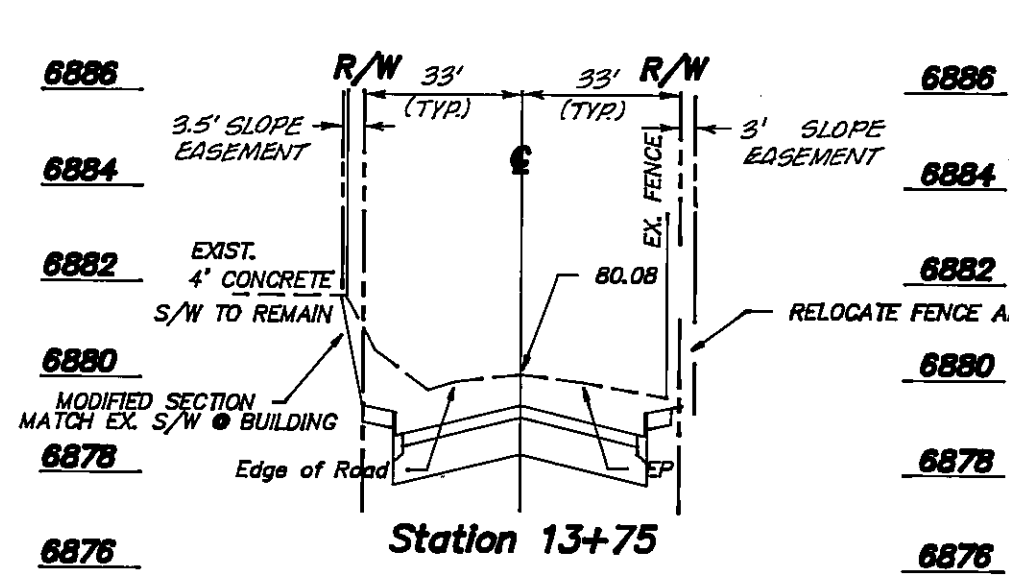
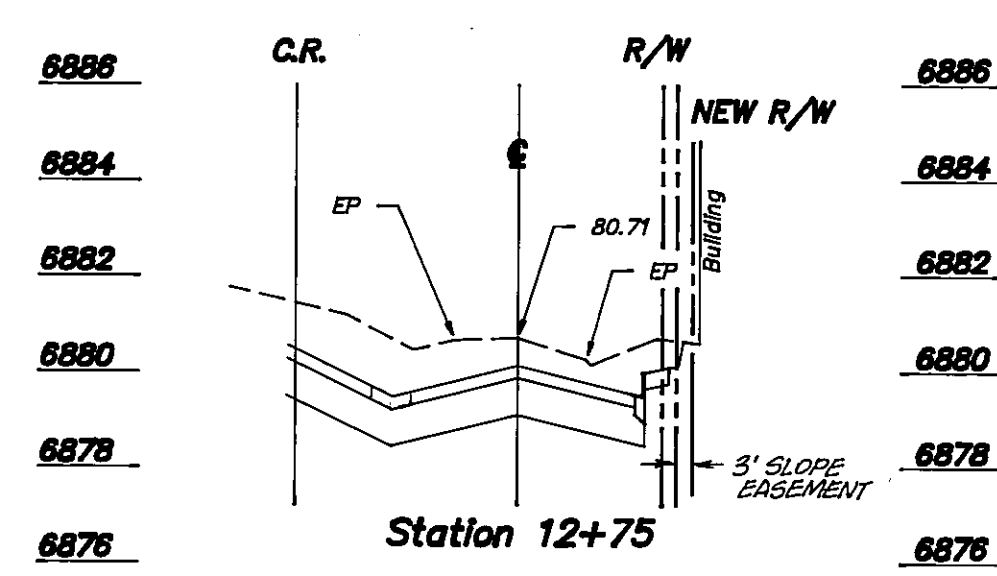
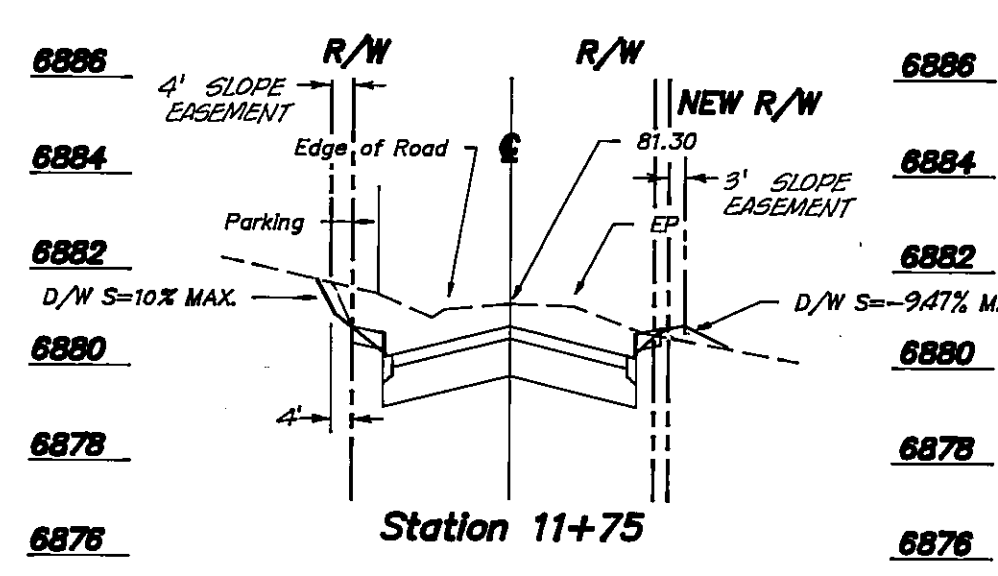
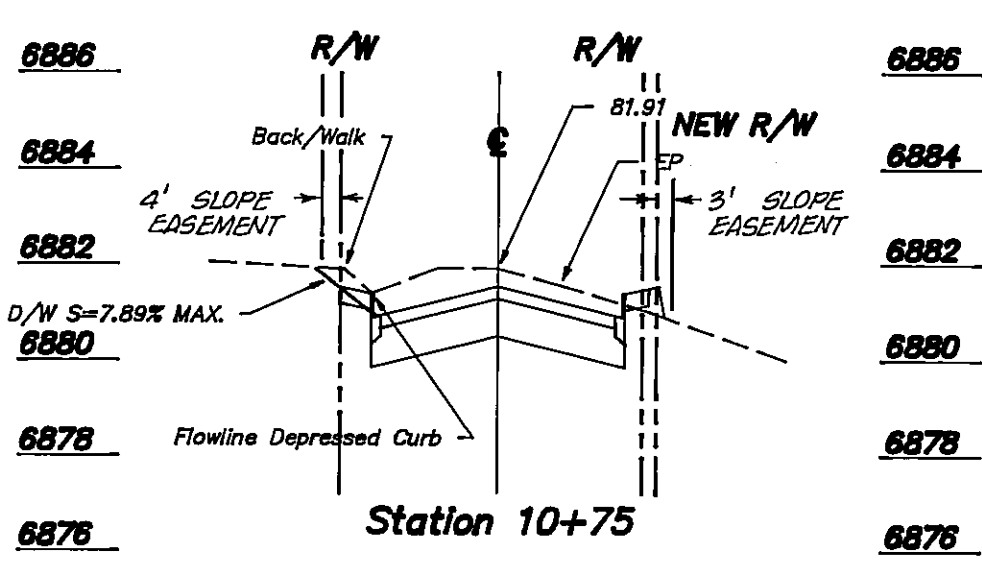
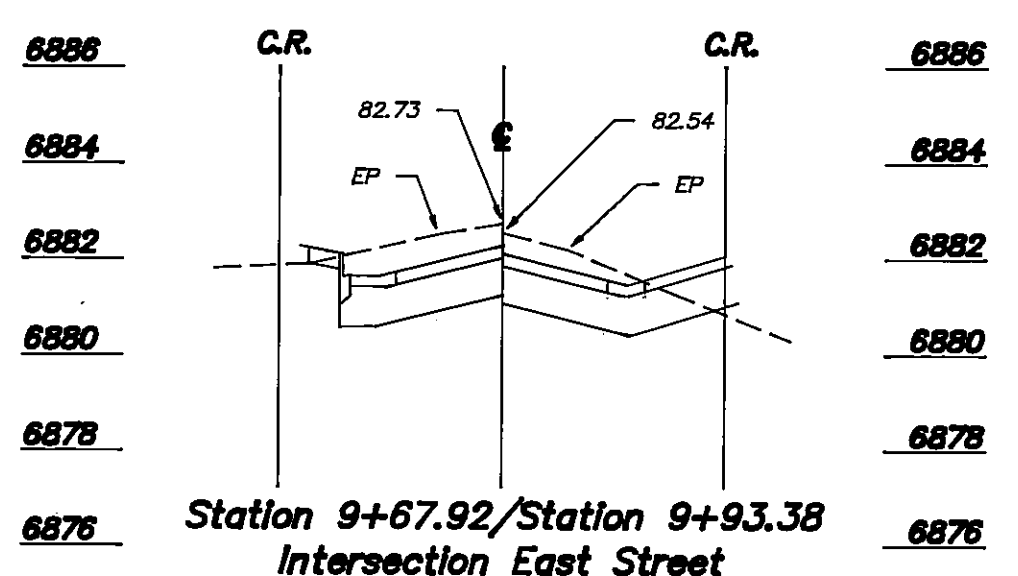
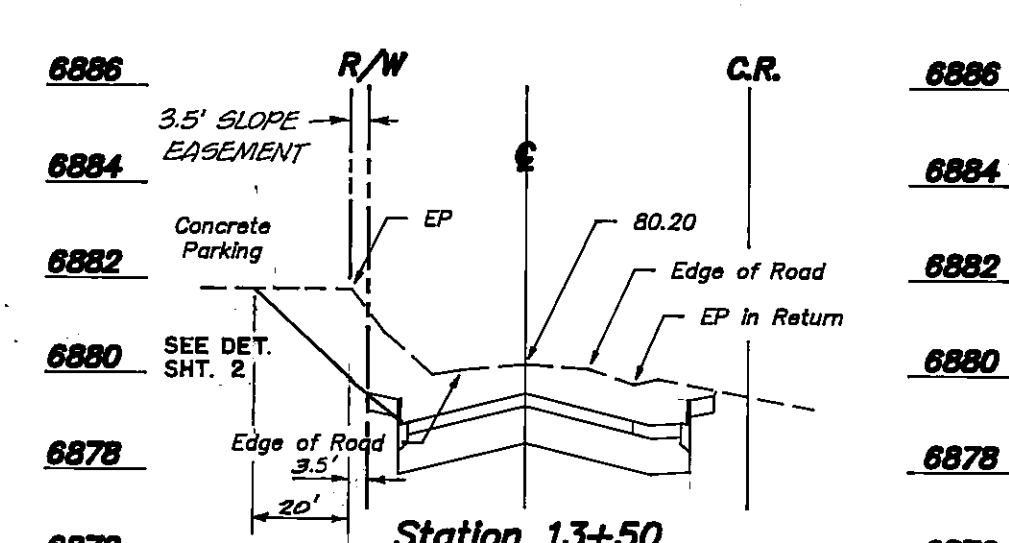
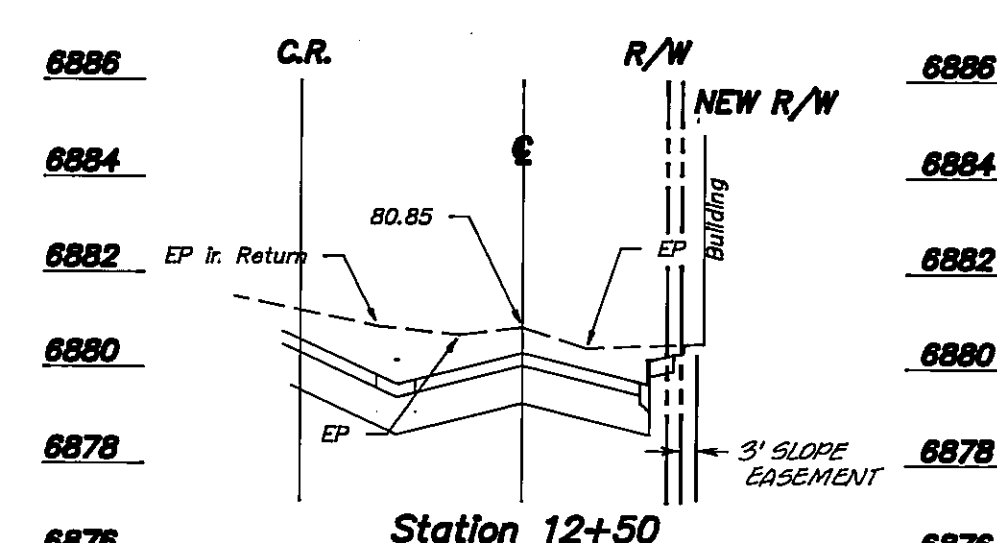
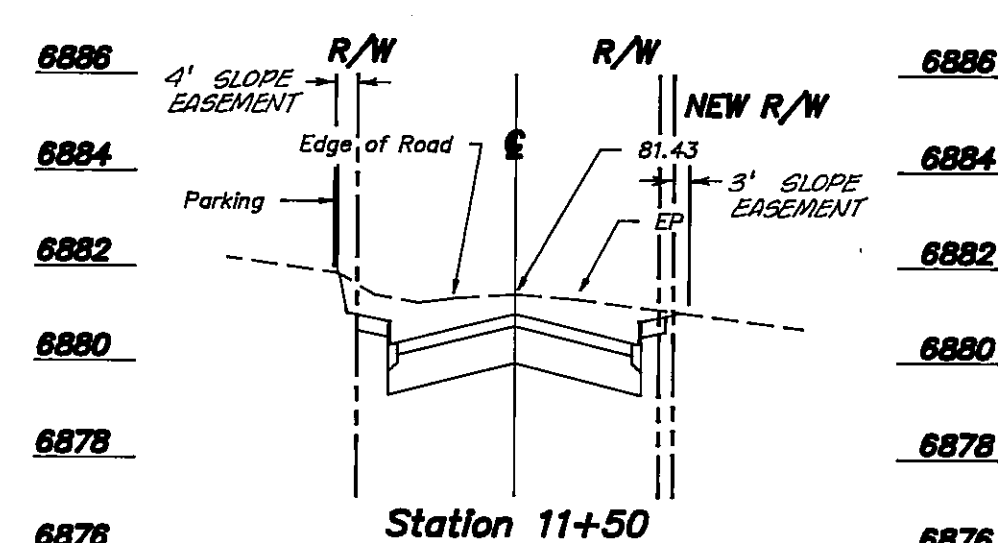
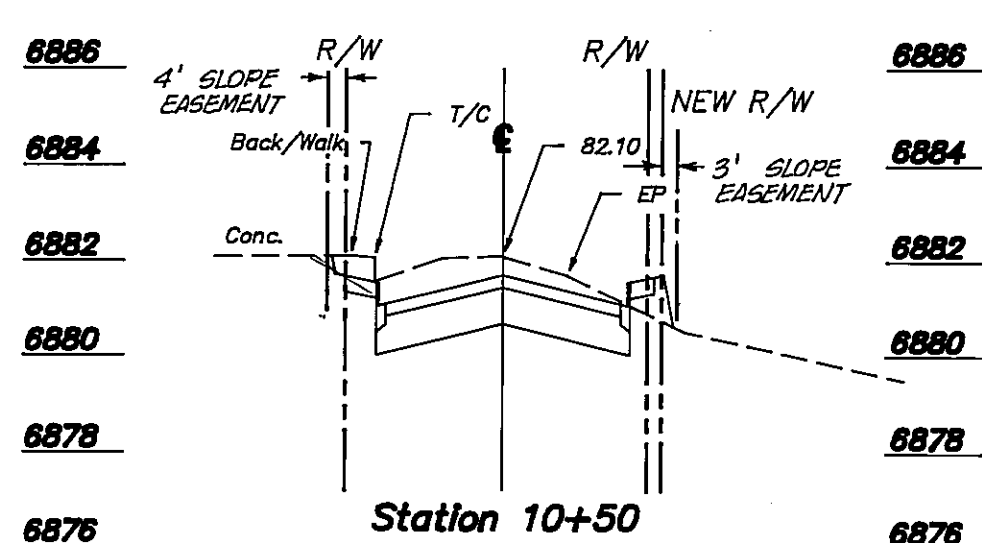
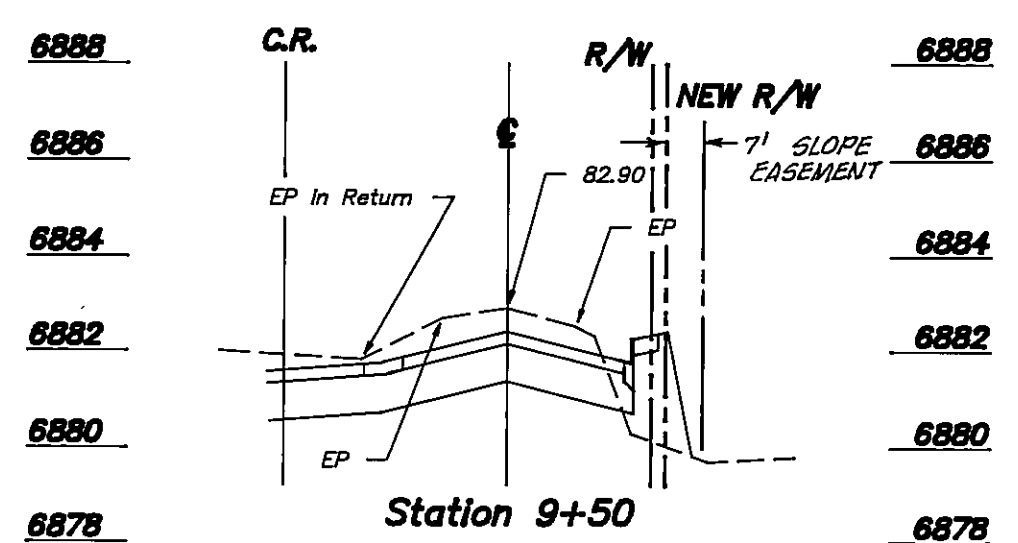
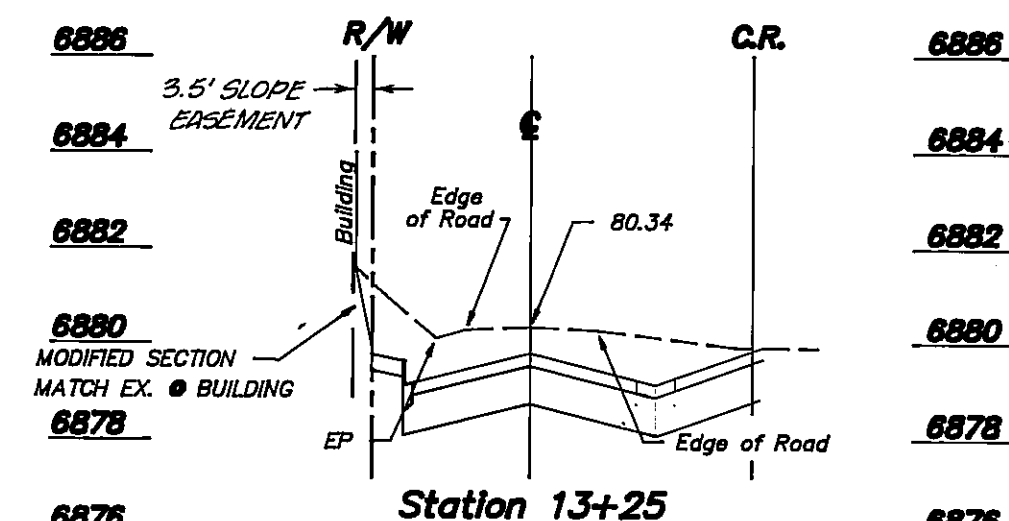
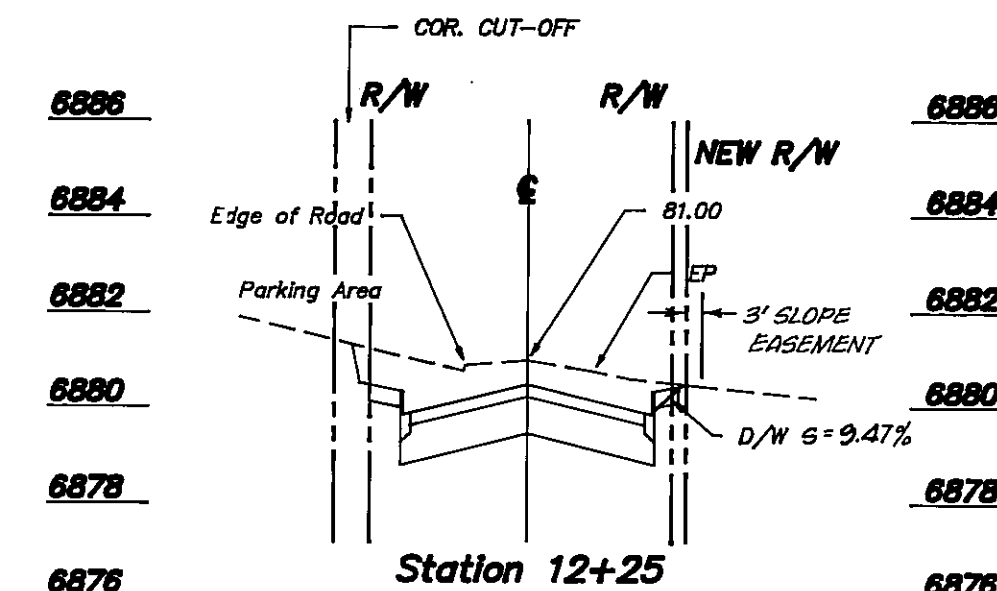
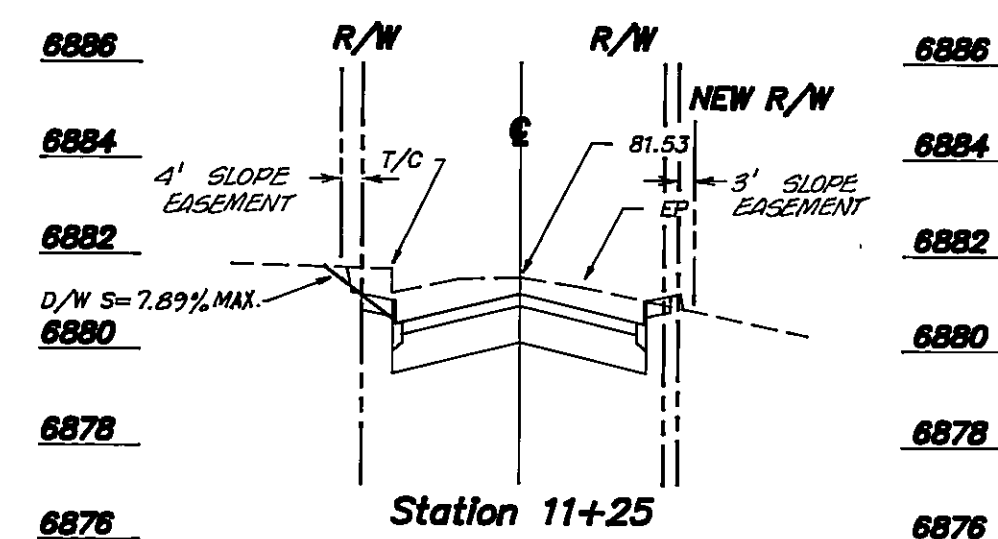
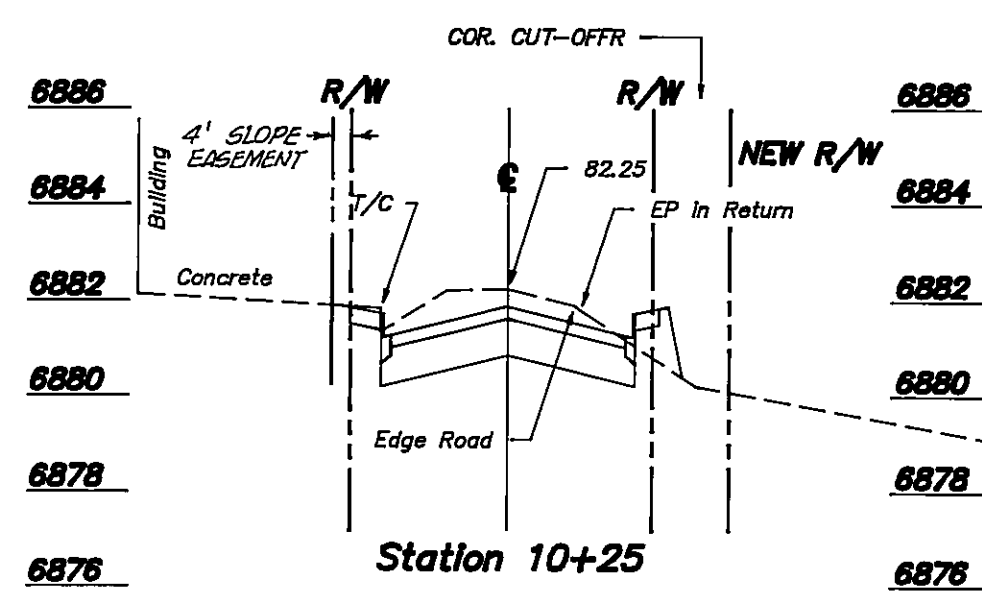
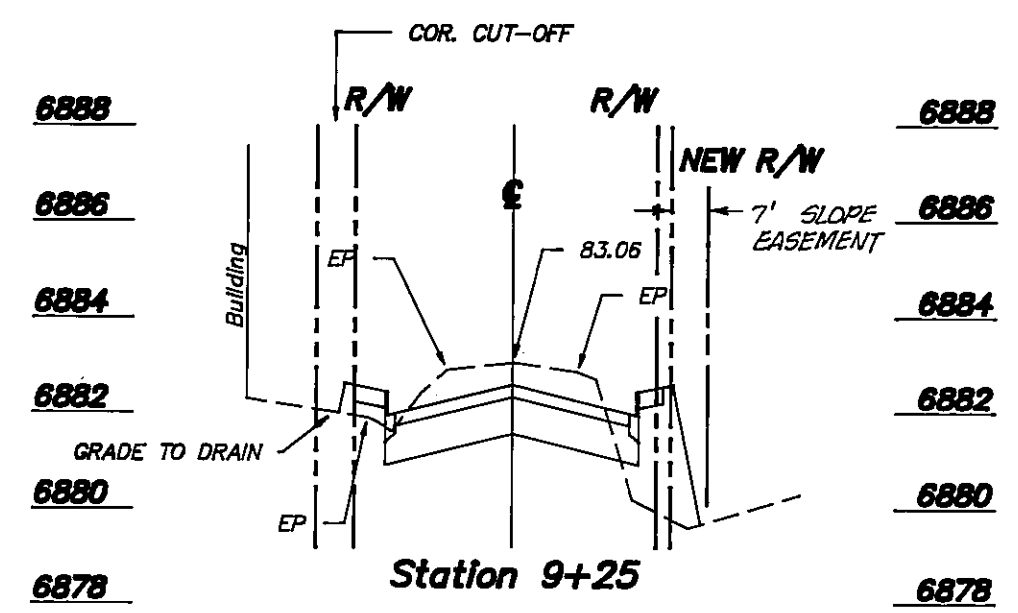
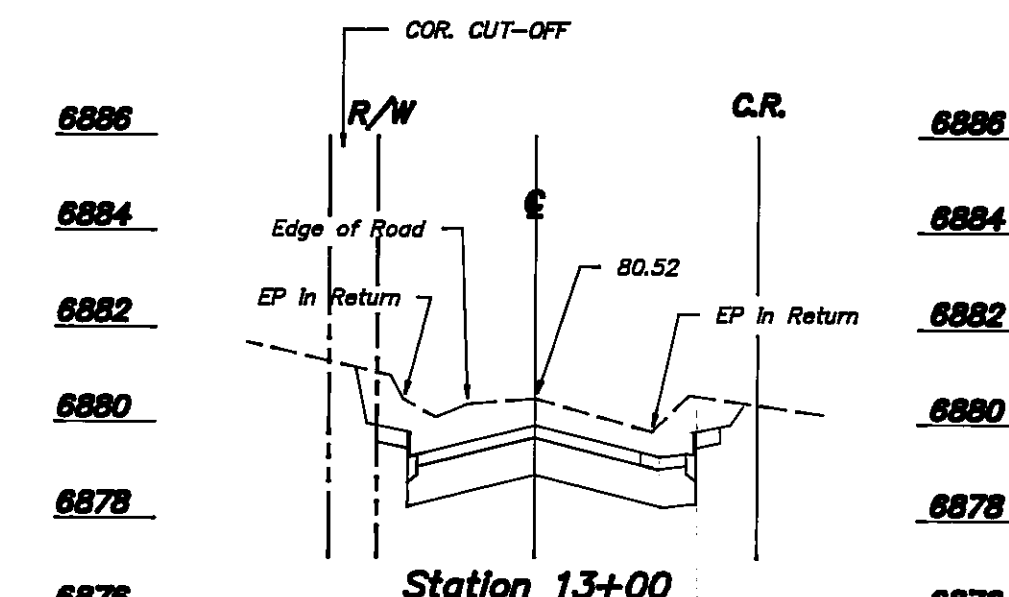
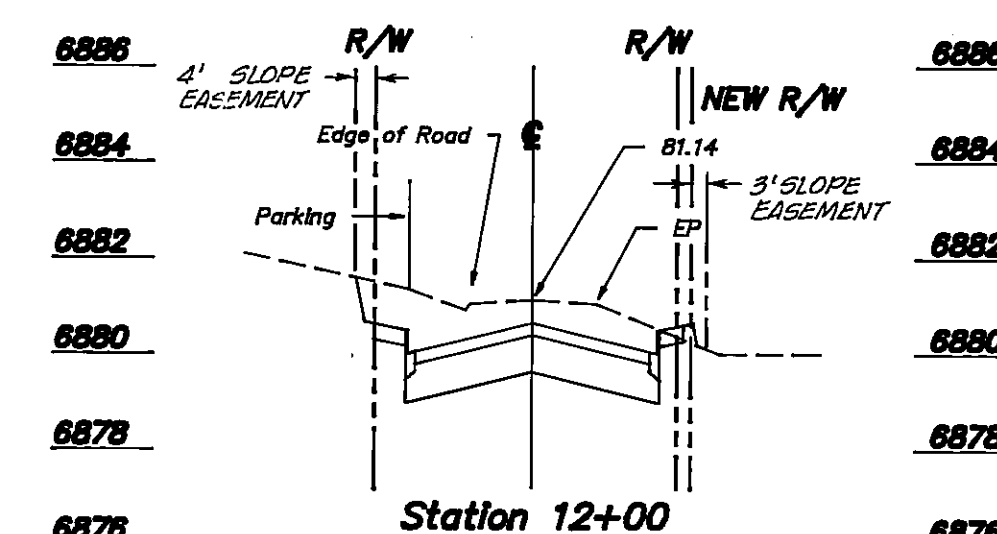
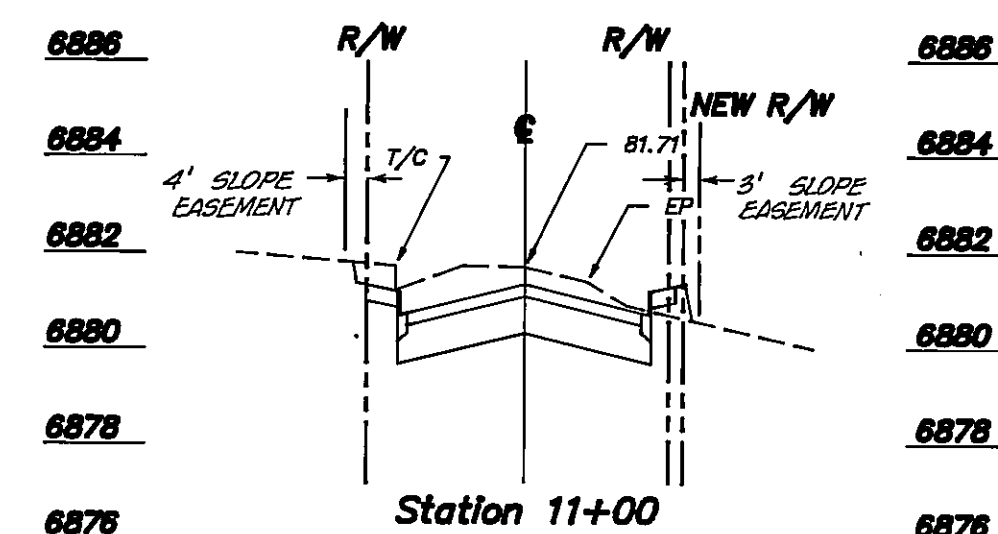
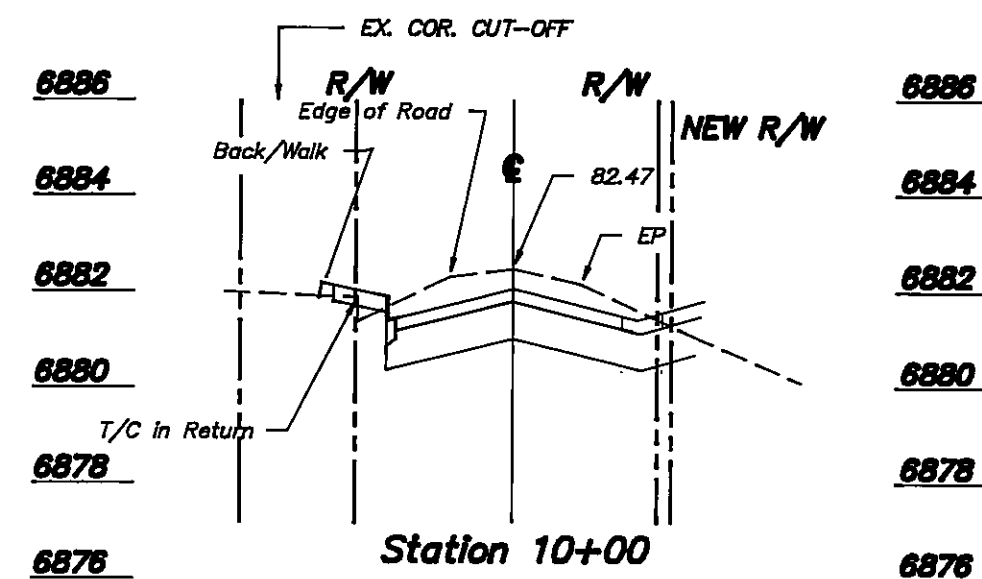
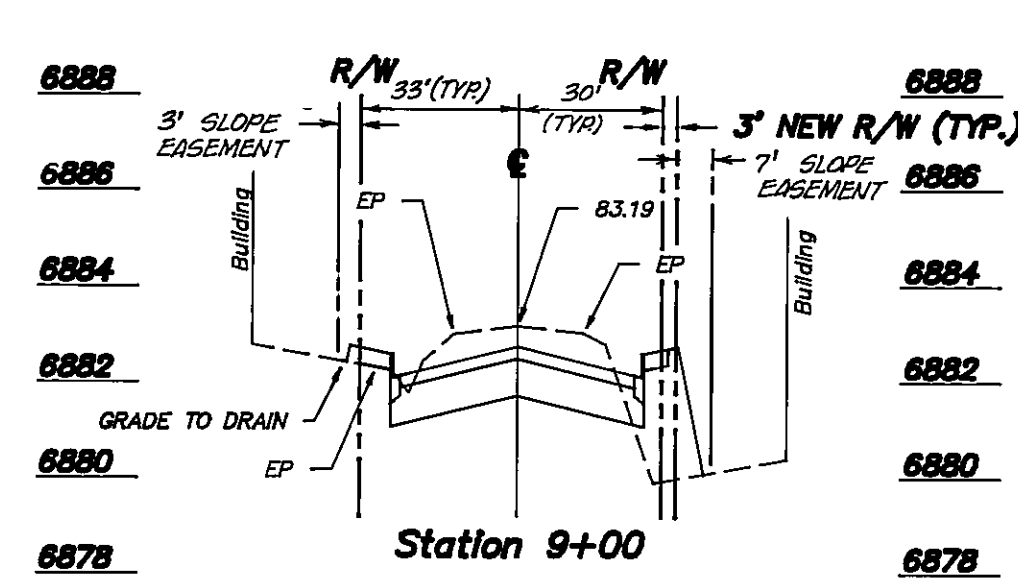
R479 POCKET 34
FOLDER 135

PLATE 1-SINGLE PLAN AND PROFILE-FULL DOT
PRINTED IN U.S.A.

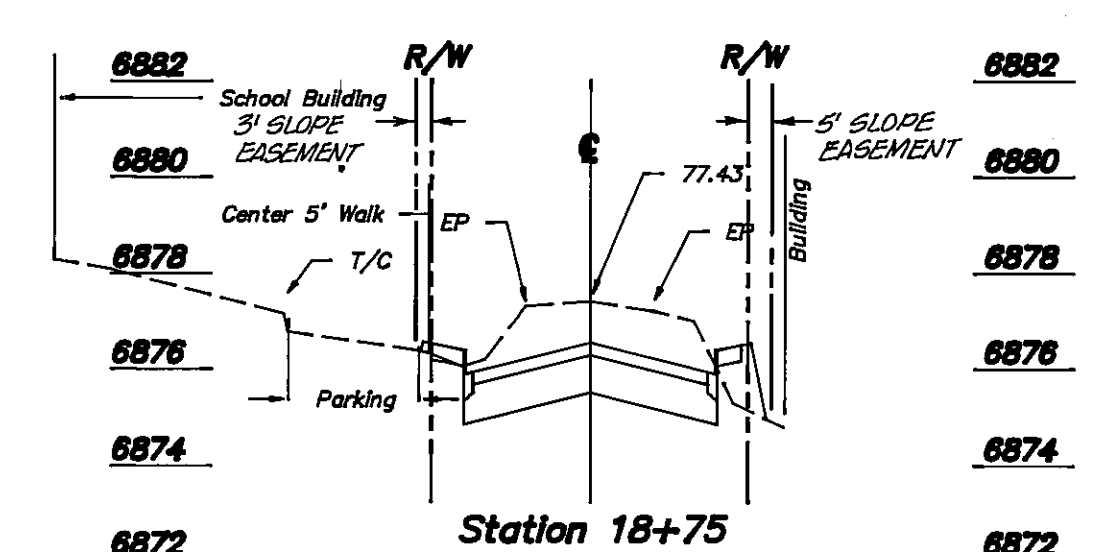
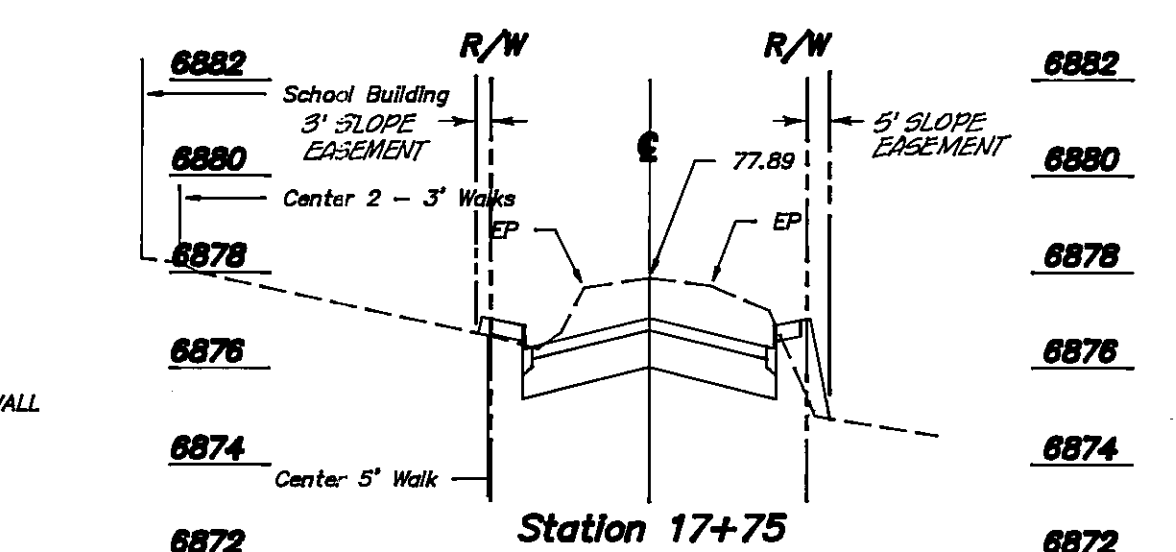
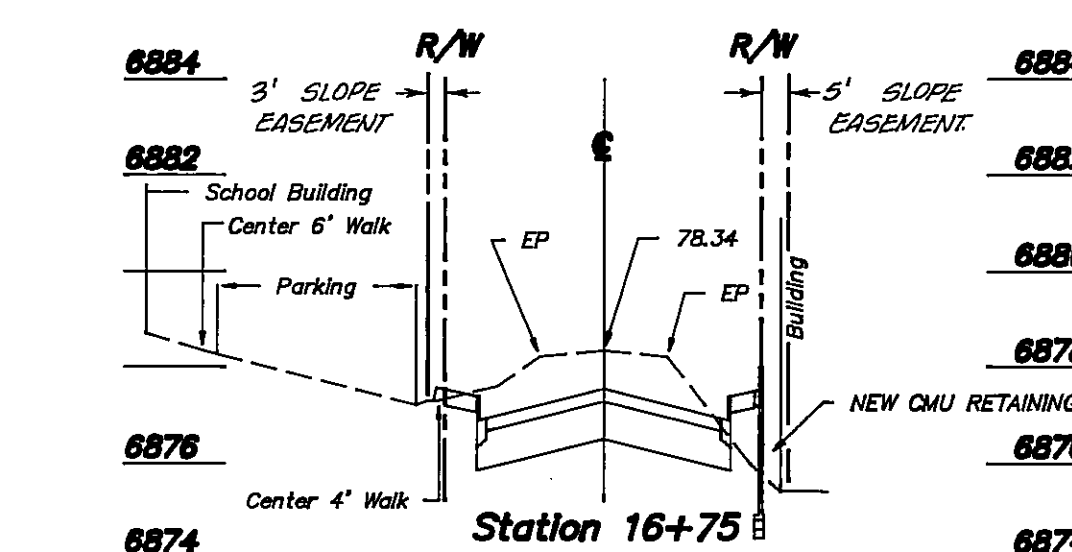
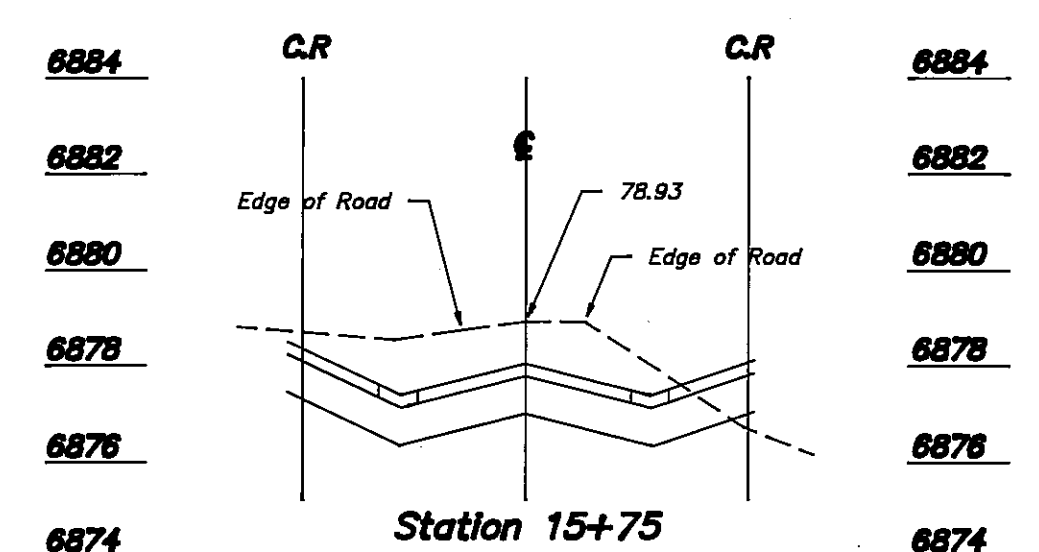
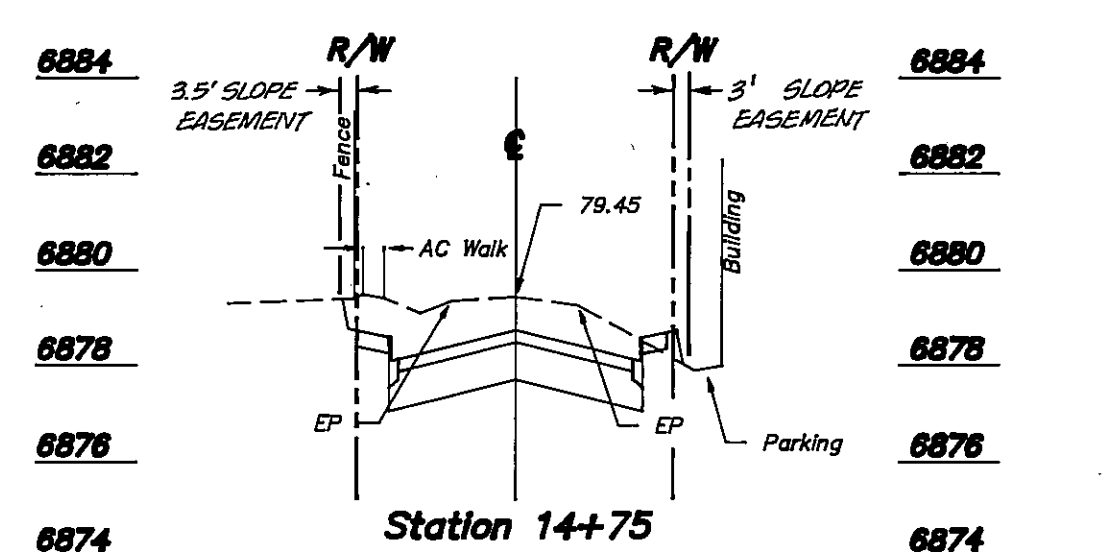
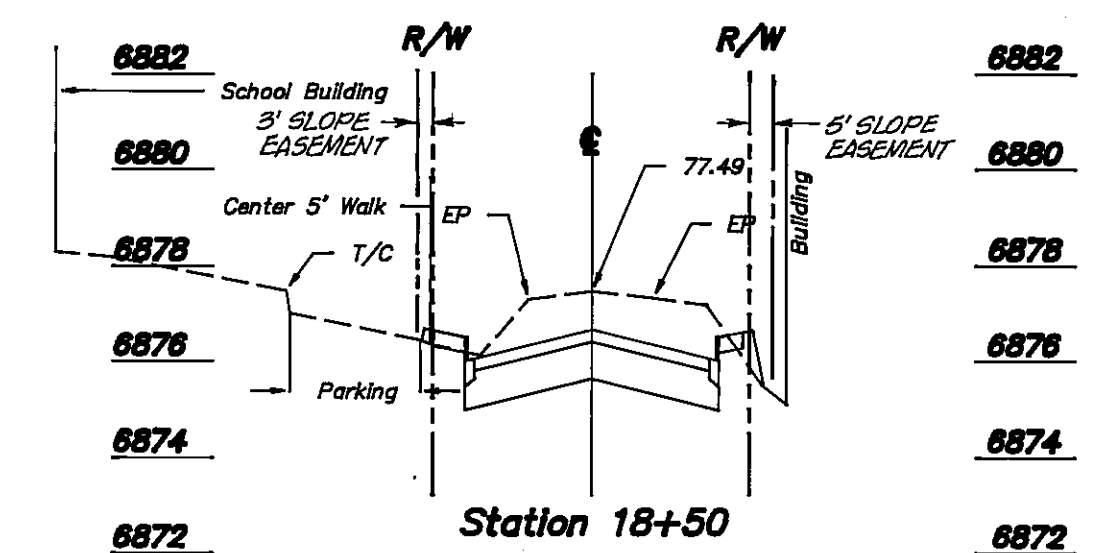
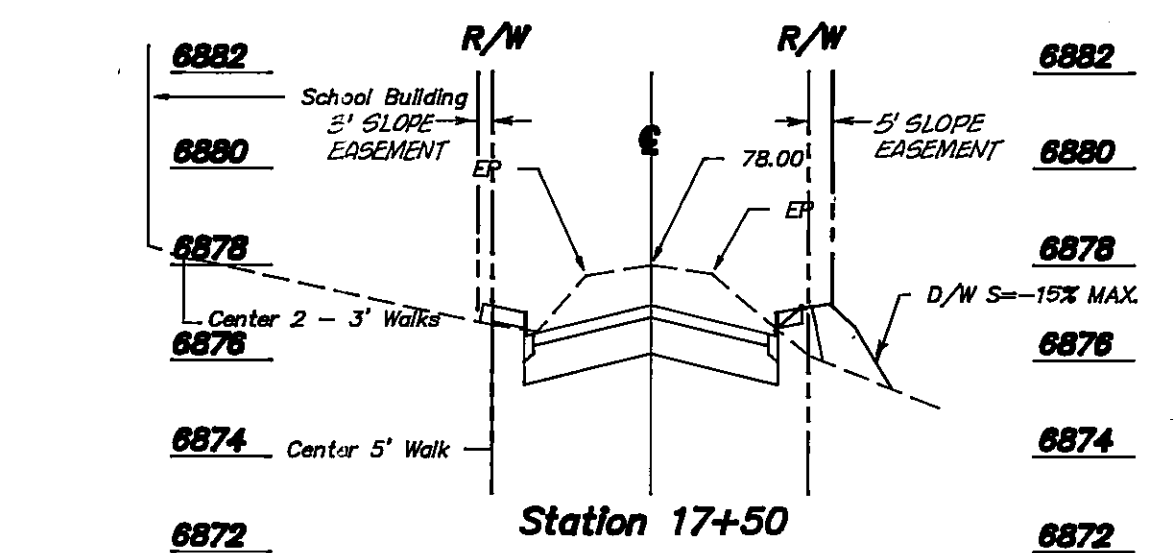
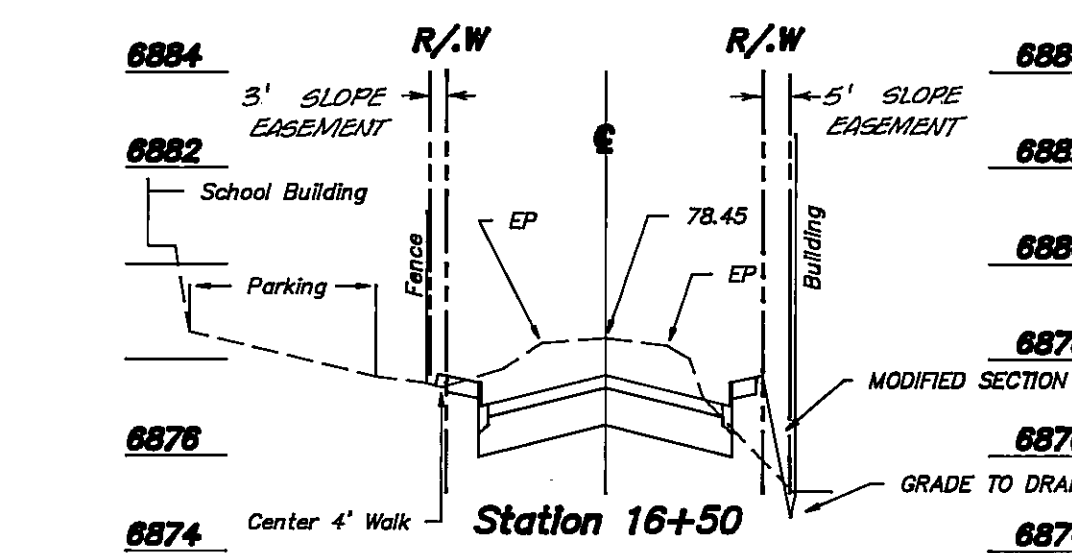
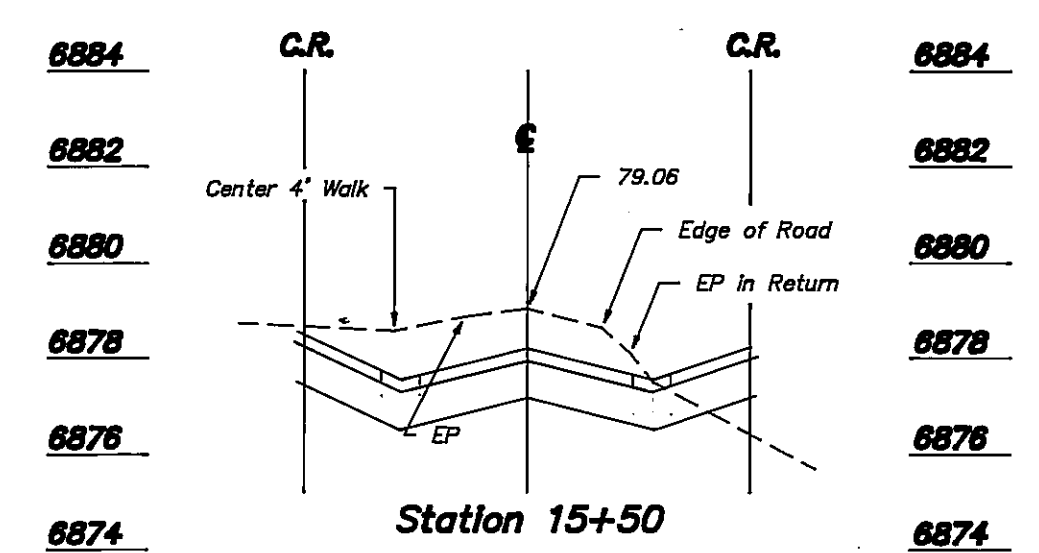
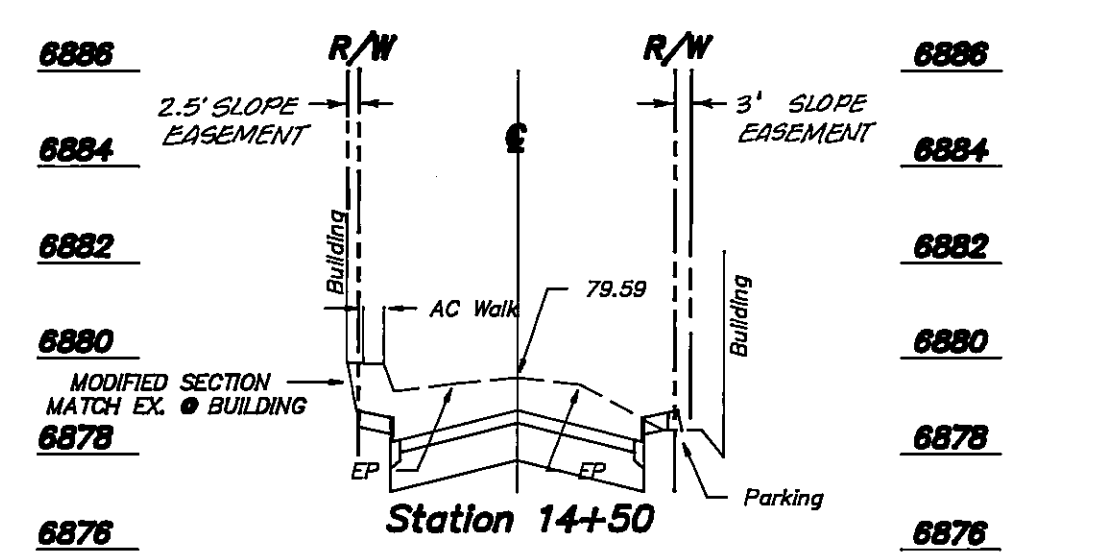
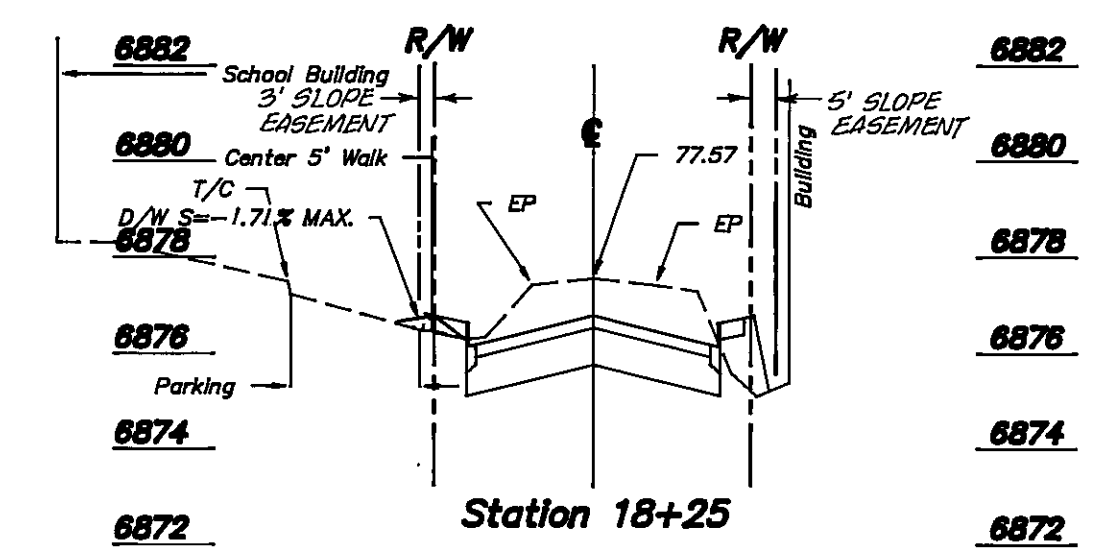
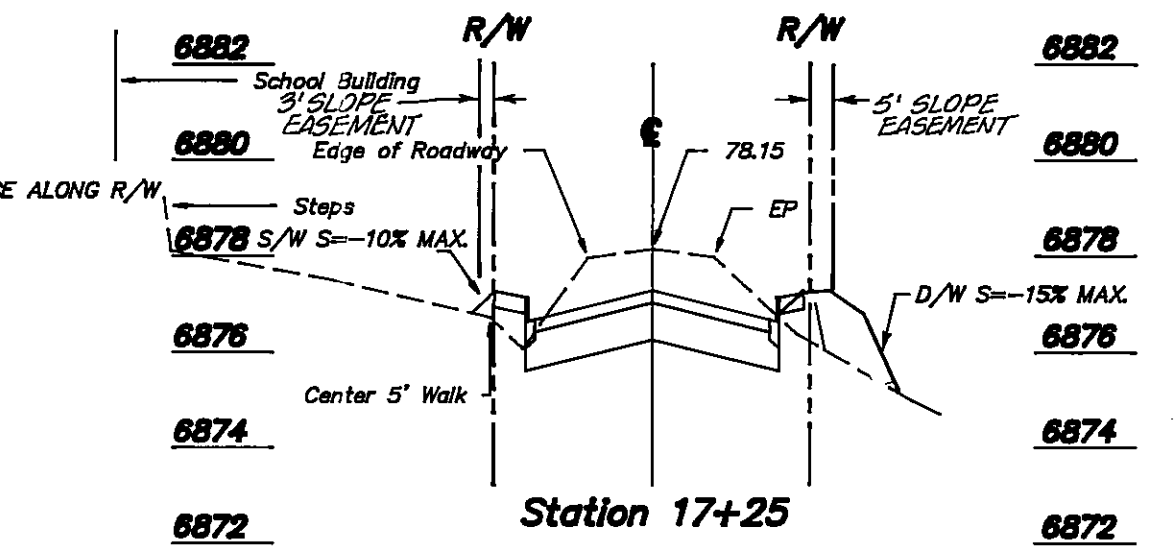
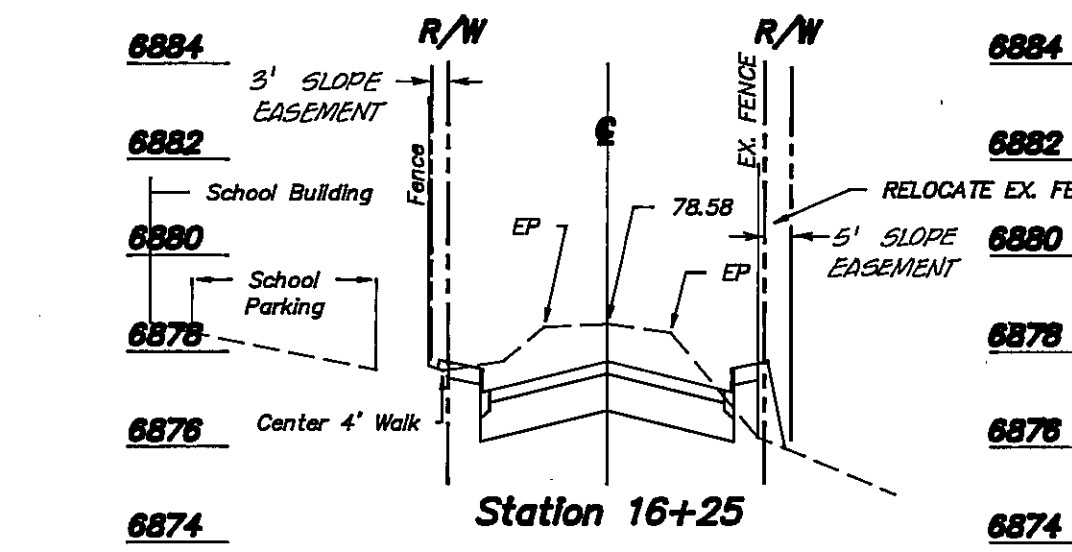
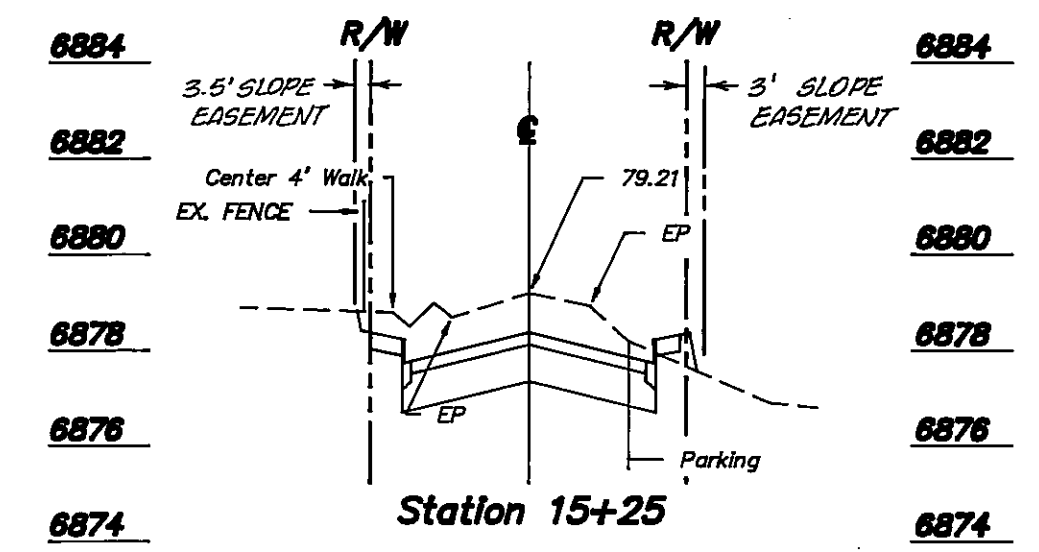
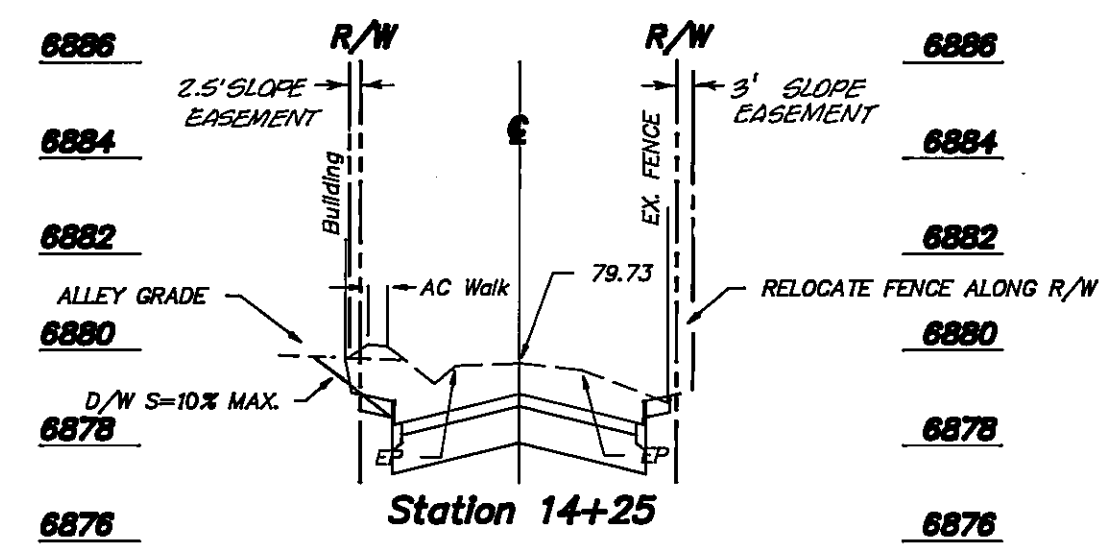
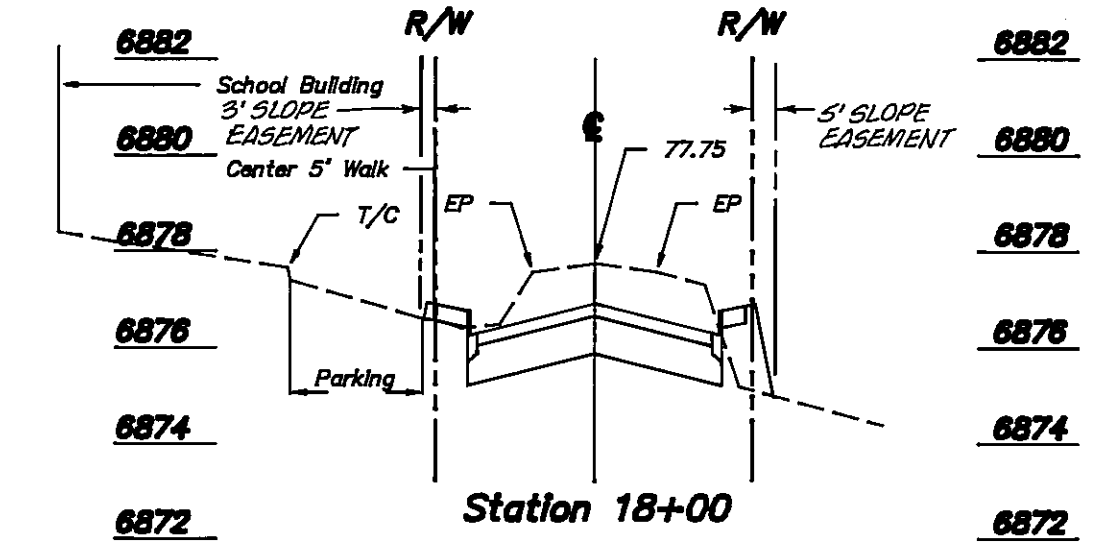
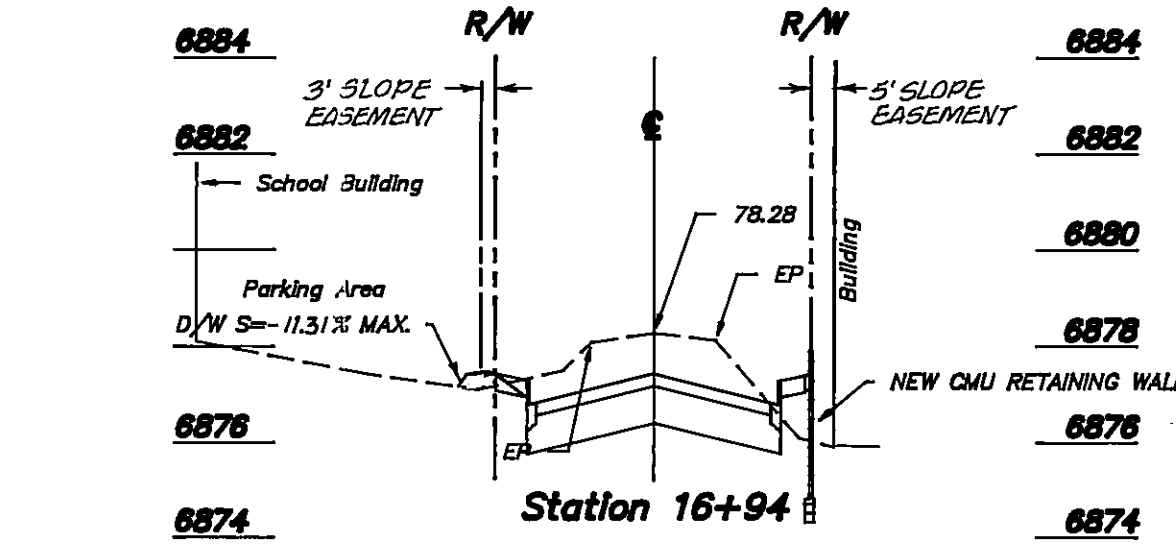
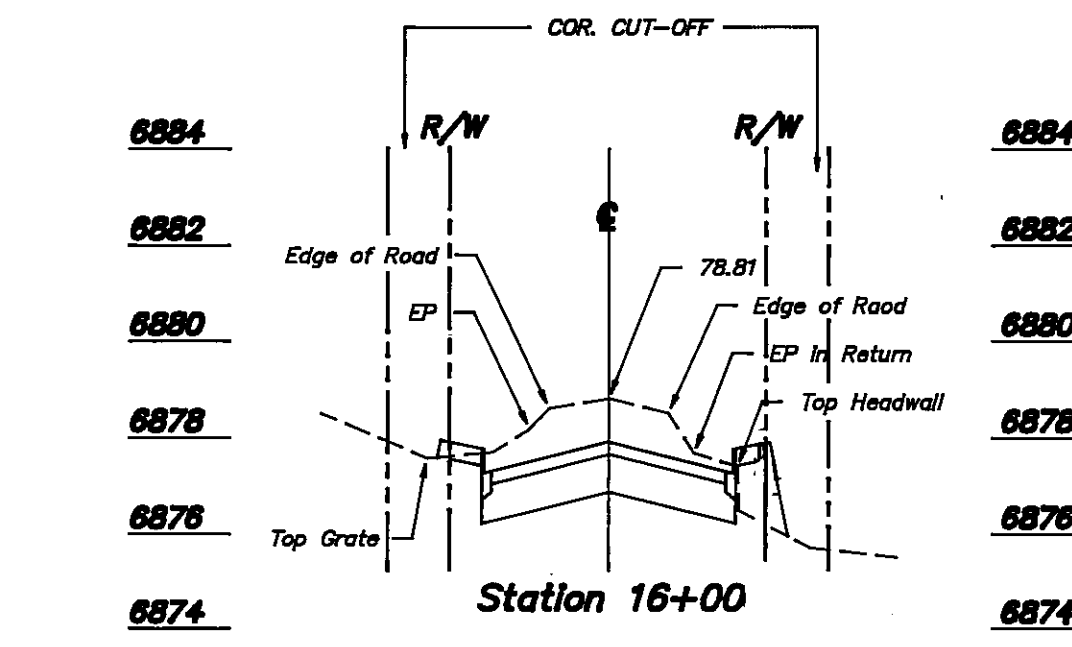
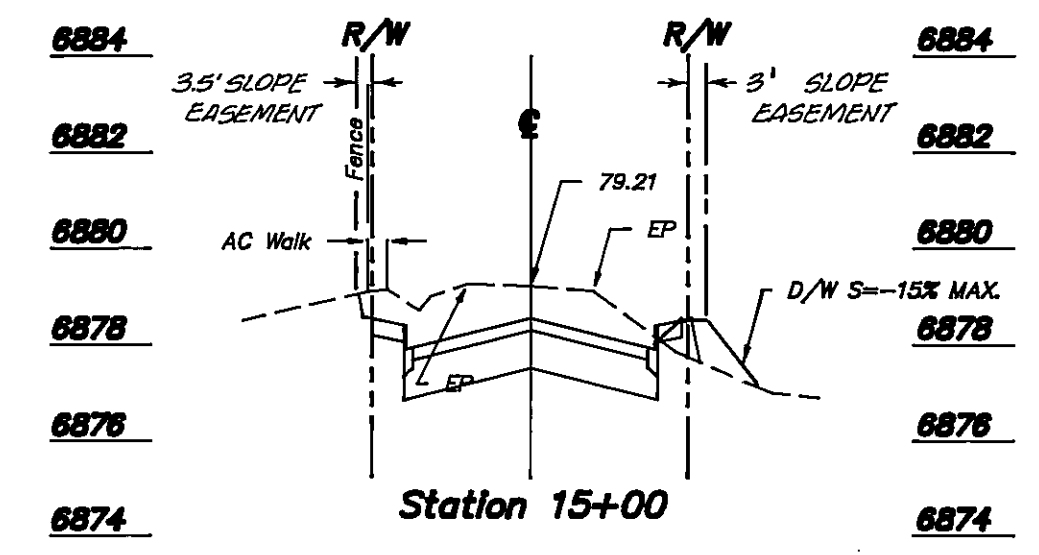
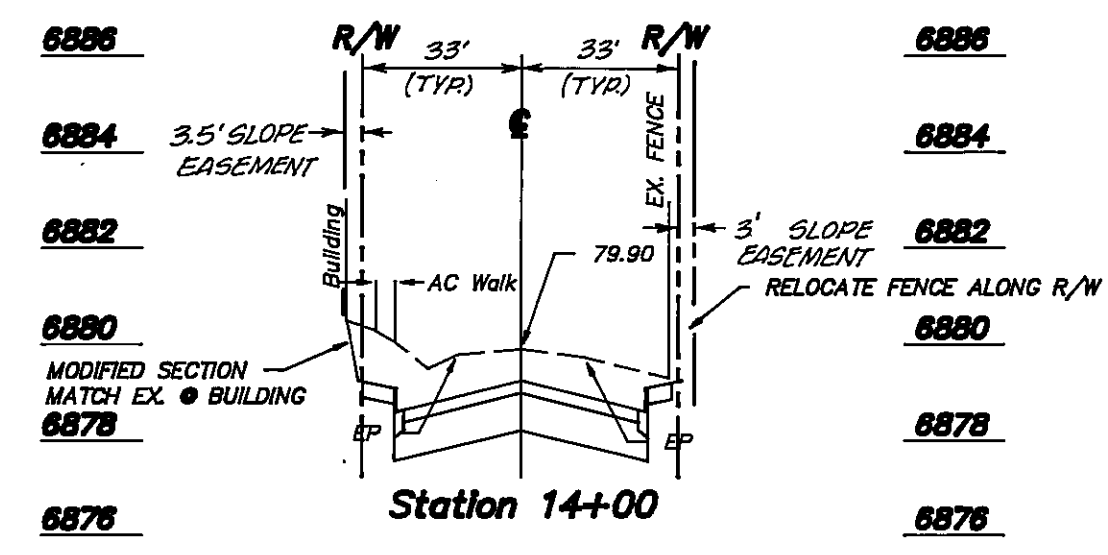


CALL TWO WORKING DAYS BEFORE YOU DIG
263-1100
1-800-STAKE-IT
OUTSIDE MARICOPA COUNTY

	Coconino Engineering 1885 E. BUTLER AVENUE FLAGSTAFF, ARIZONA 86001 (602) 774-9512		SHEET 16 OF 25 JOB No. 87288
	CITY OF FLAGSTAFF, ARIZONA SIXTH AVE RECONSTRUCTION CROSS-SECTIONS STA. 4+00 TO STA. 8+75 PROJECT NUMBER 03-86023 (502-90)		
	SCALE: 1" = 4' H. Vert. 1" = 40' H. Horiz.	REVISIONS DATE INT.	
	DRAWN: R.C.L.N.G. CHECKED: R.C.R. DATED: 6-16-88		



	Coconino Engineering 1885 E. BUTLER AVENUE FLAGSTAFF, ARIZONA 86001 (802) 774-9512		SHEET 17 OF 25 JOB No. 87288
	SCALE: 1" = 40' HORIZ. 1" = 10' VERT.	CITY OF FLAGSTAFF, ARIZONA SIXTH AVE RECONSTRUCTION CROSS-SECTIONS STA. 9+00 TO STA. 13+75 PROJECT NUMBER 03-86023 (502-90)	
	DRAWN: R.C.L./M.G.	REVISIONS DATE INT.	
	CHECKED: R.C.L.	DATED: 6-16-88	



CALL TWO WORKING DAYS BEFORE YOU DIE
263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

Coconino Engineering
1885 E. BUTLER AVENUE FLAGSTAFF, ARIZONA 86001 (602) 774-9512

SCALE:
1" = 20' Vert
1" = 40' Horiz

DRAWN:
R.C.L./N.G.

DESIGN:
R.C.L.

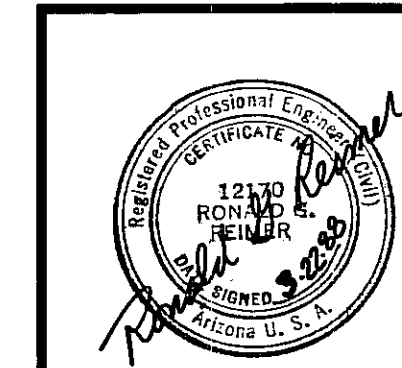
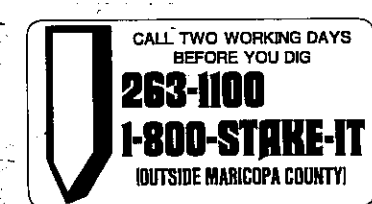
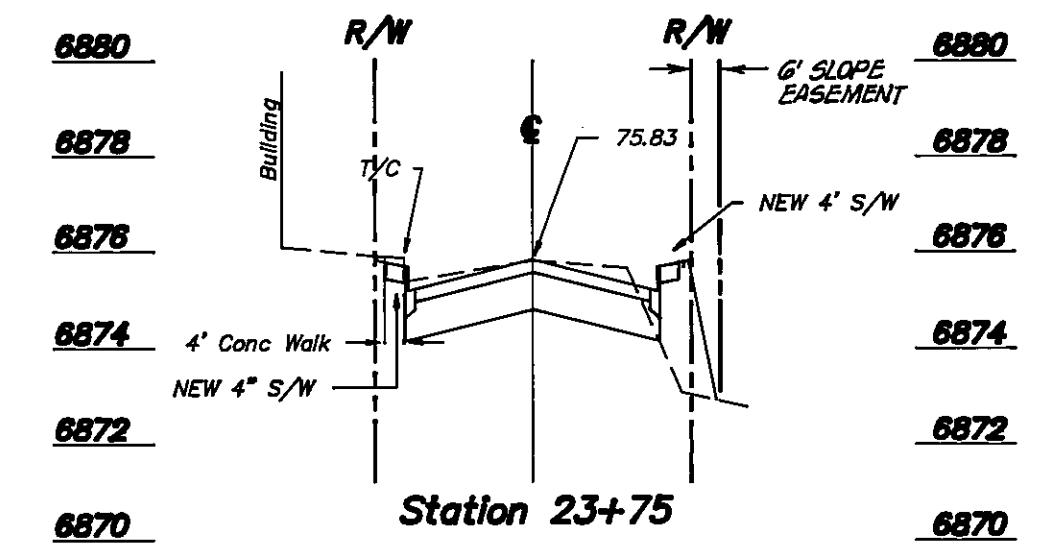
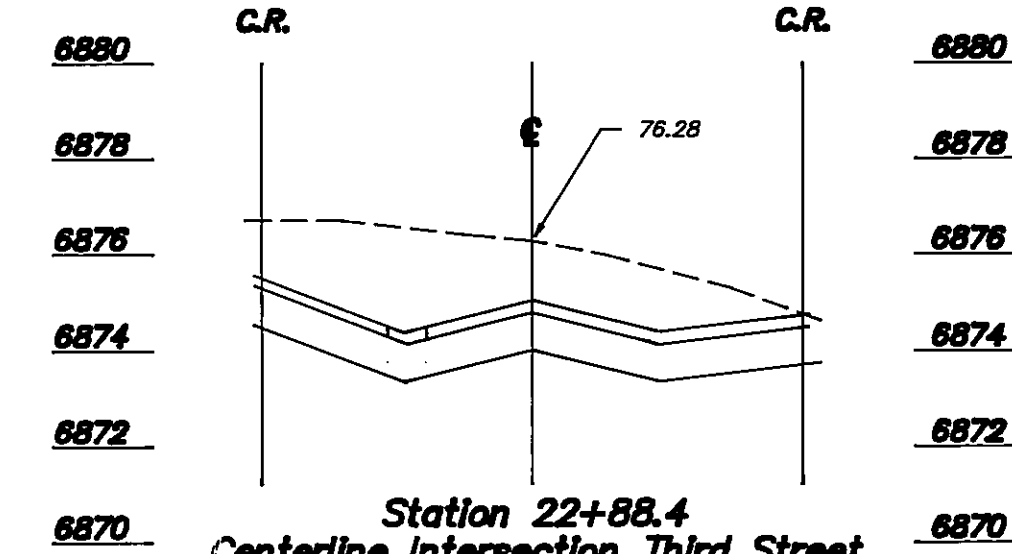
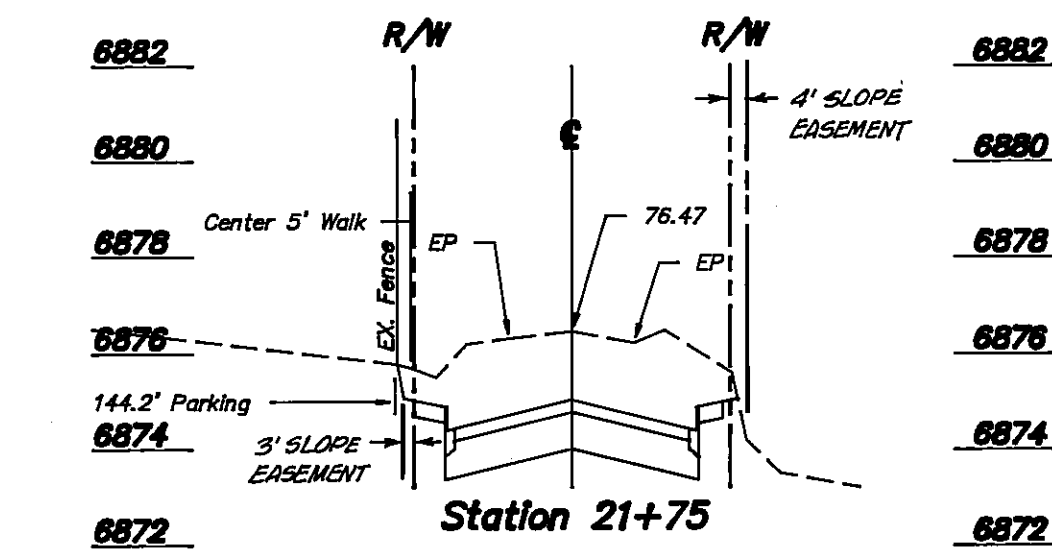
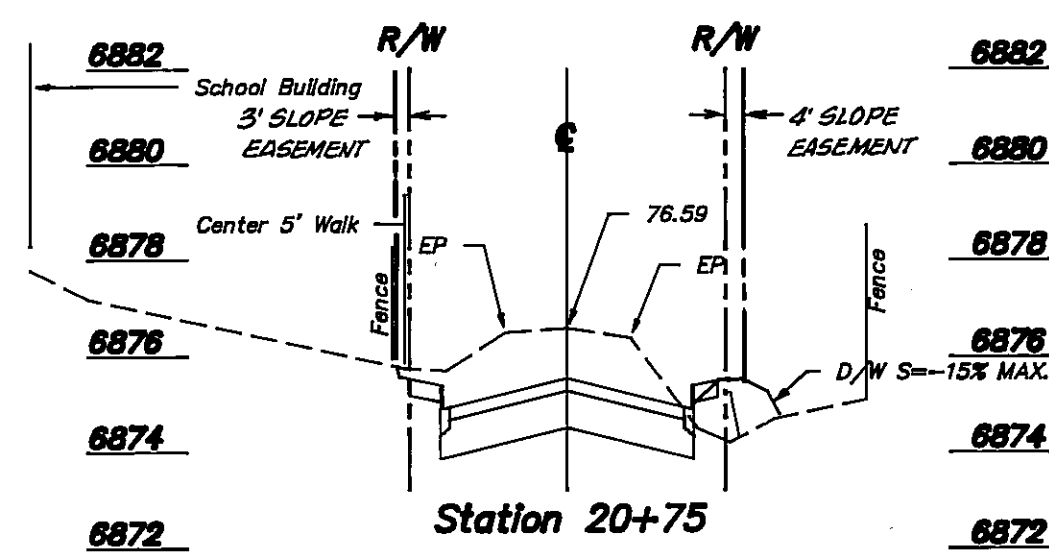
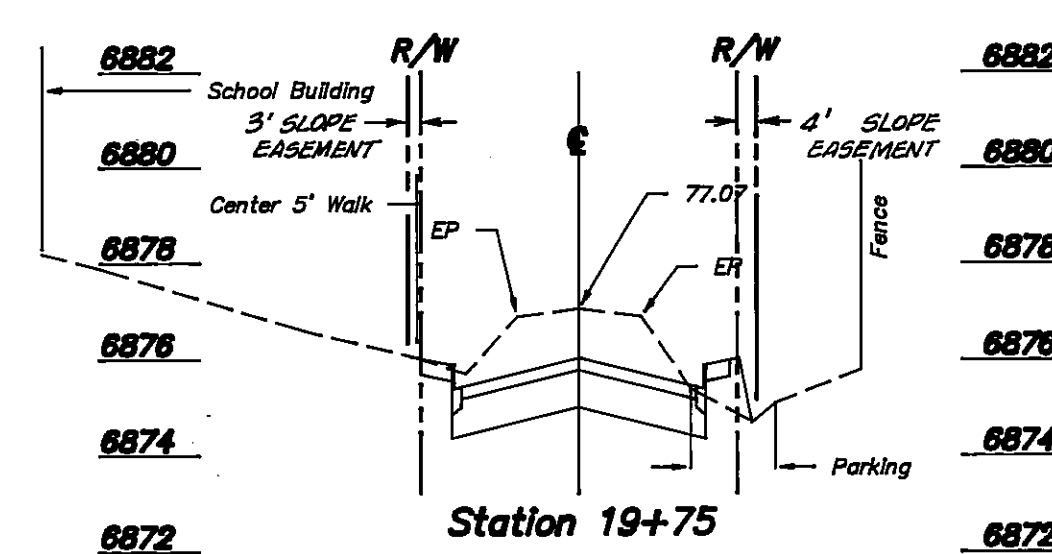
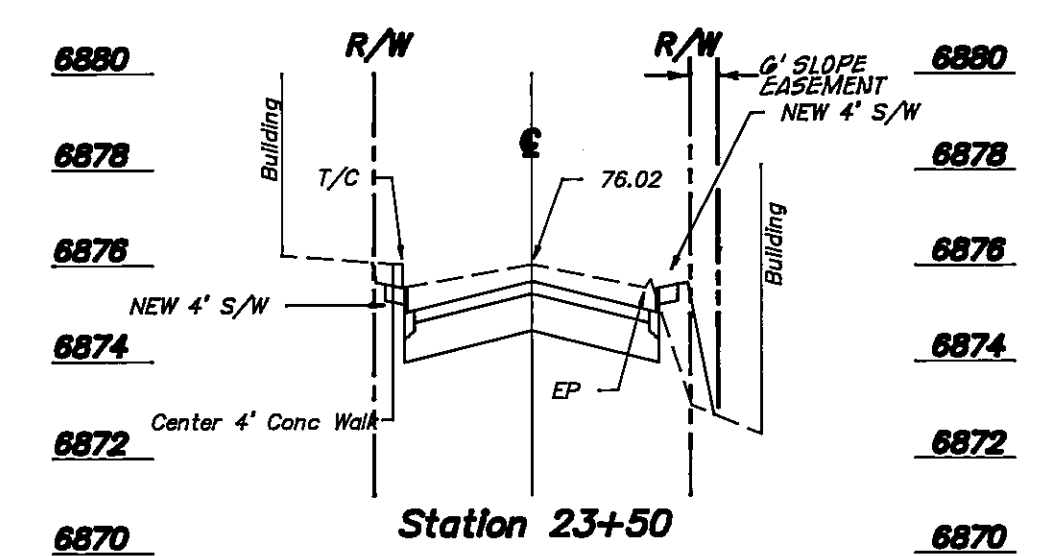
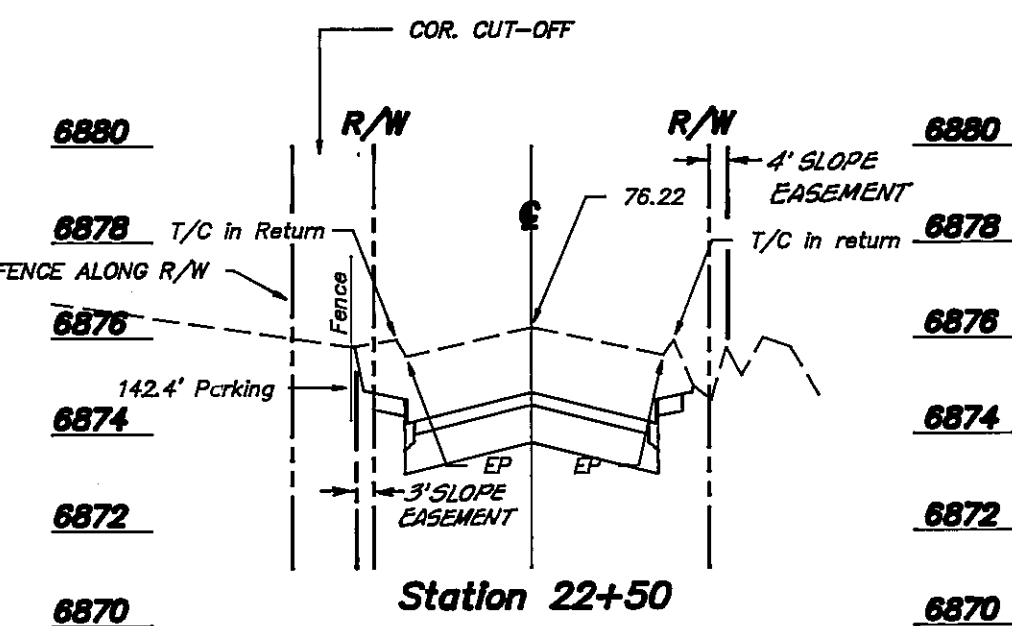
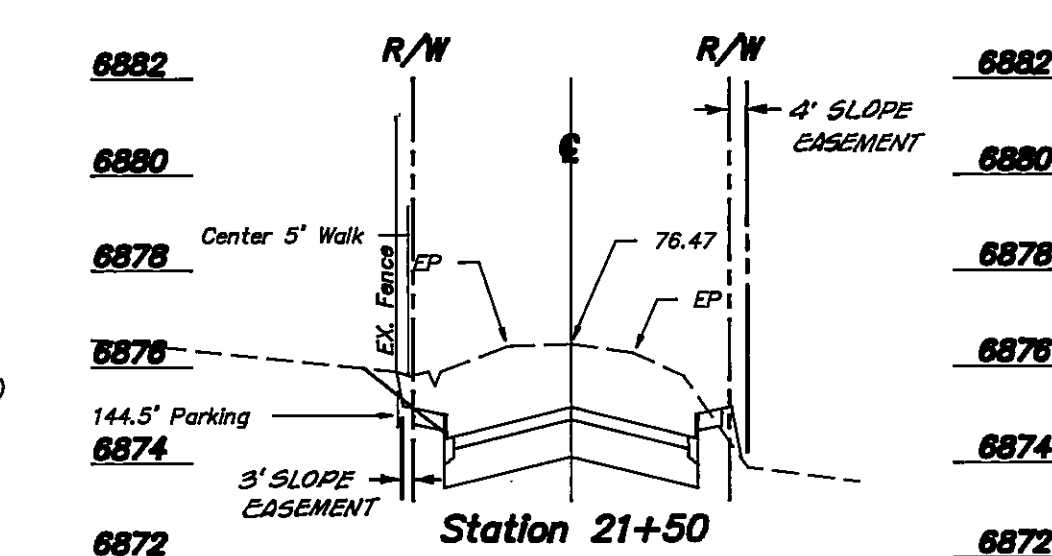
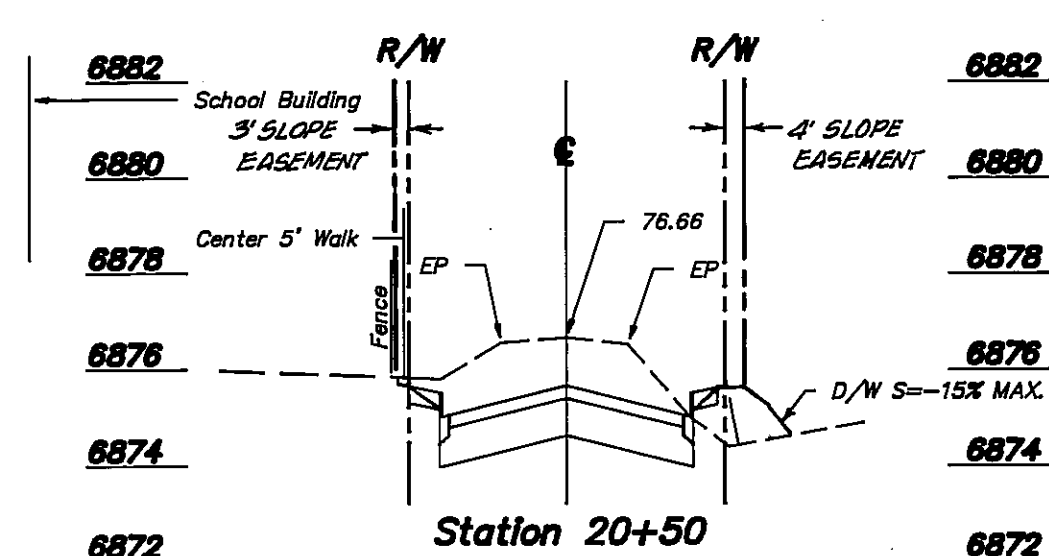
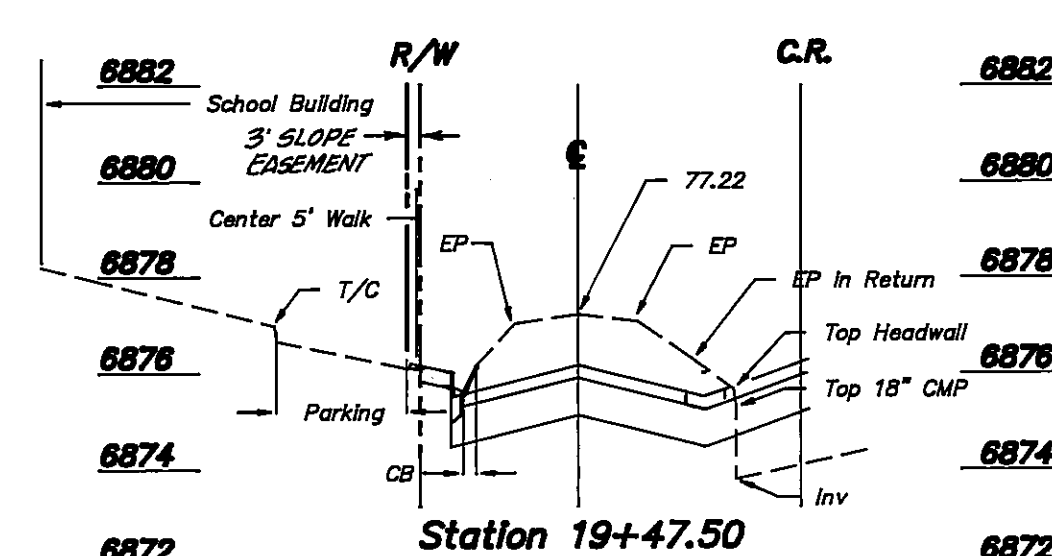
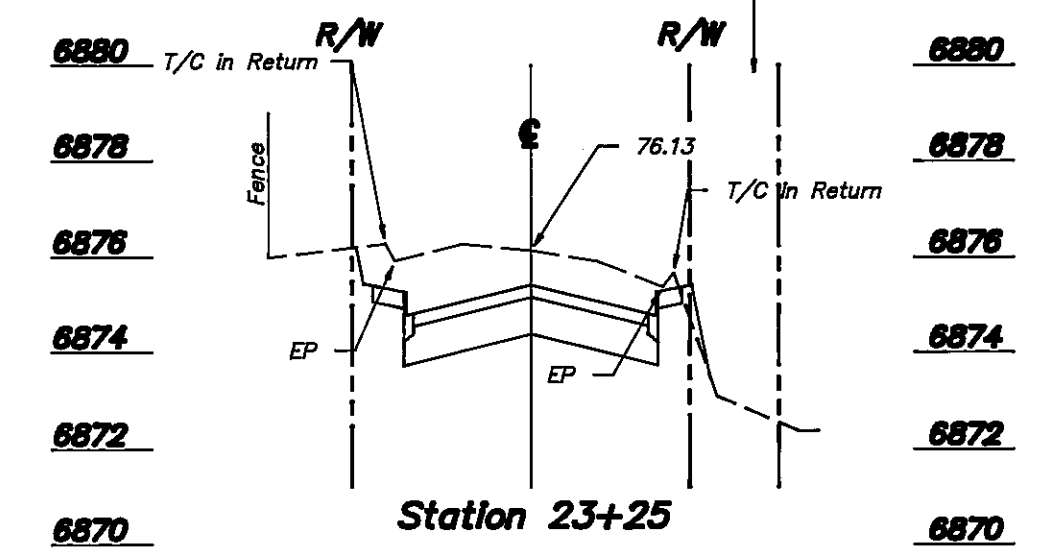
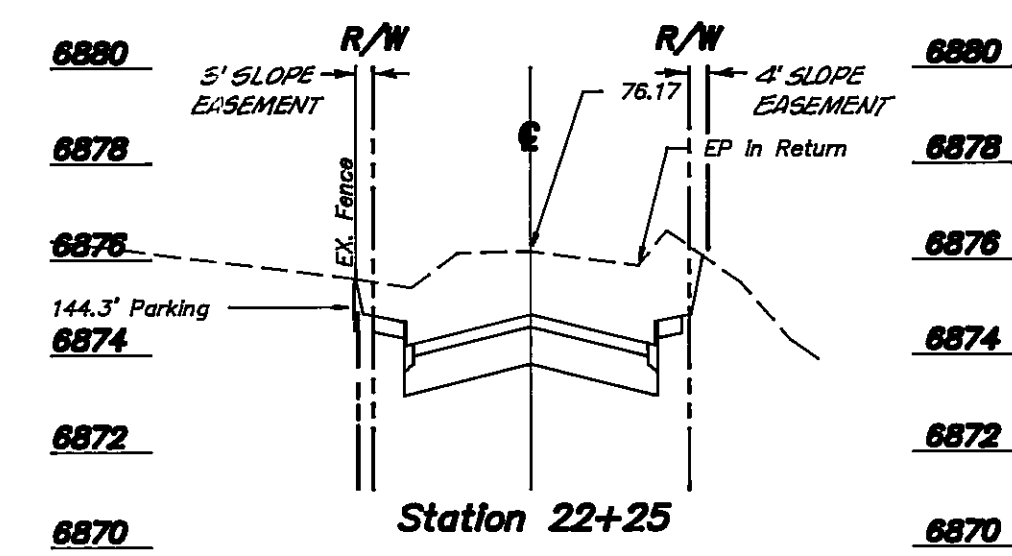
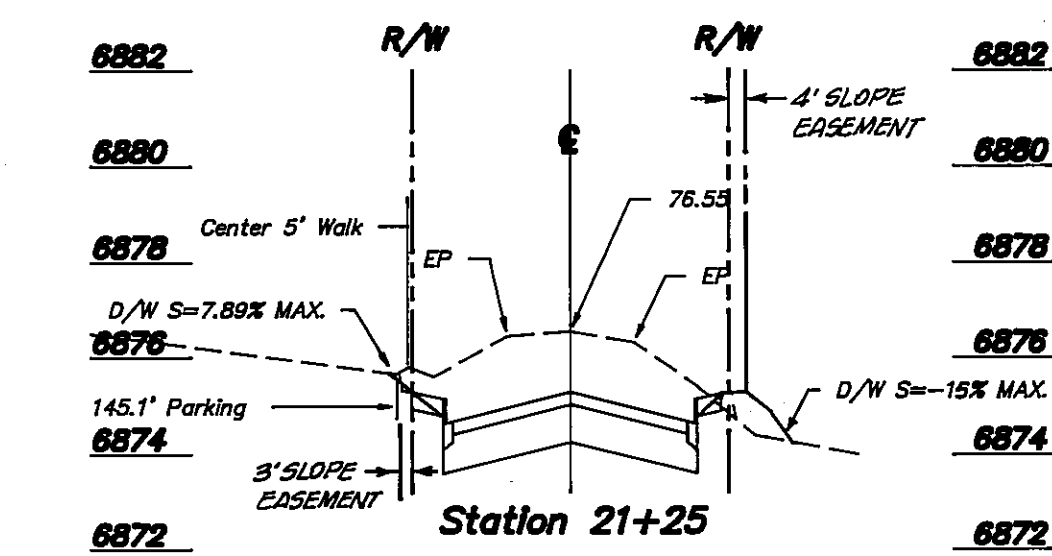
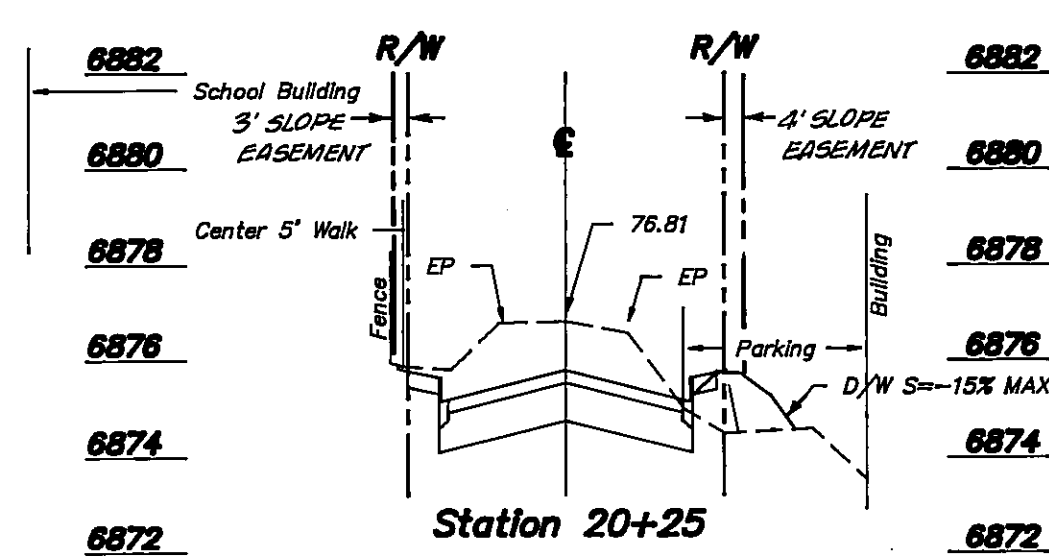
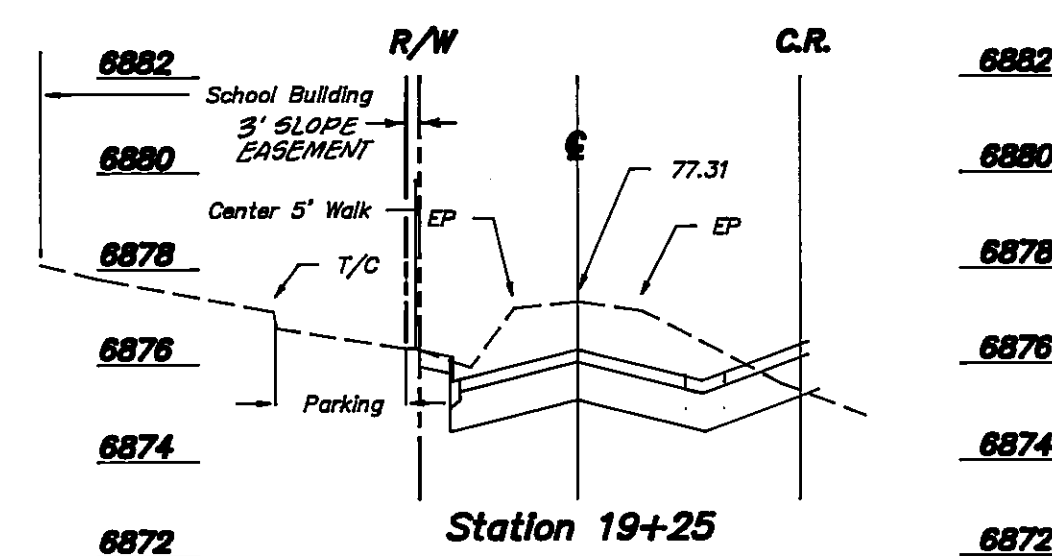
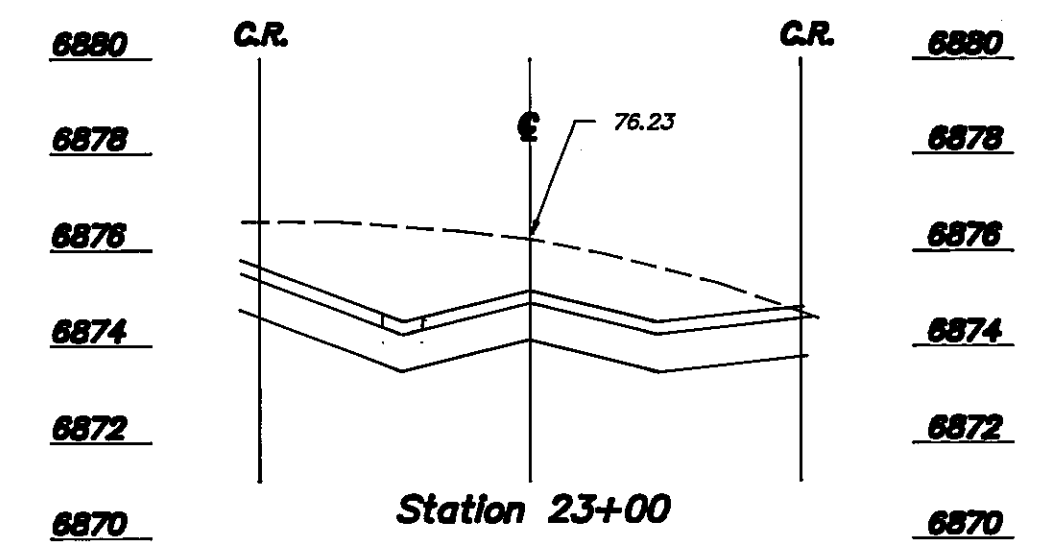
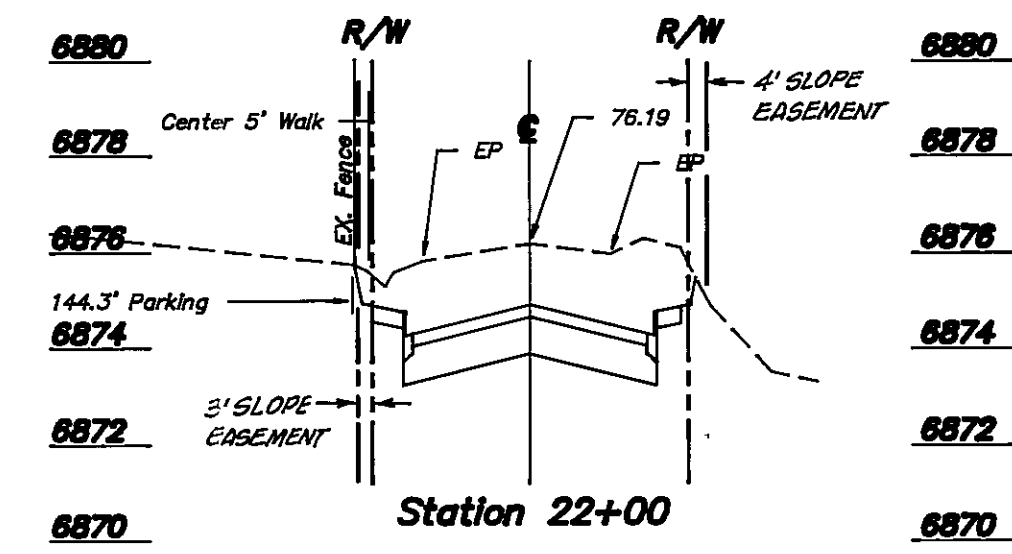
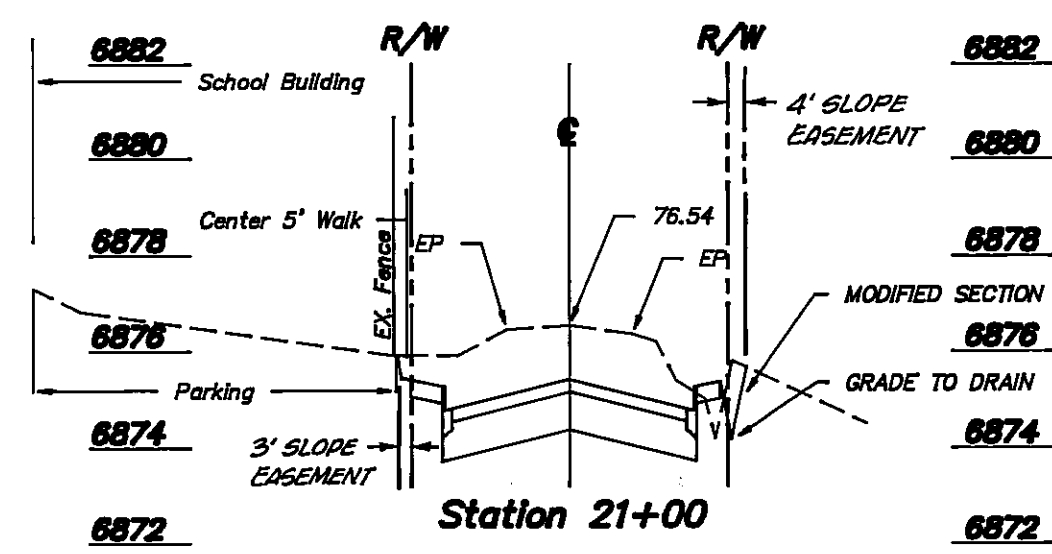
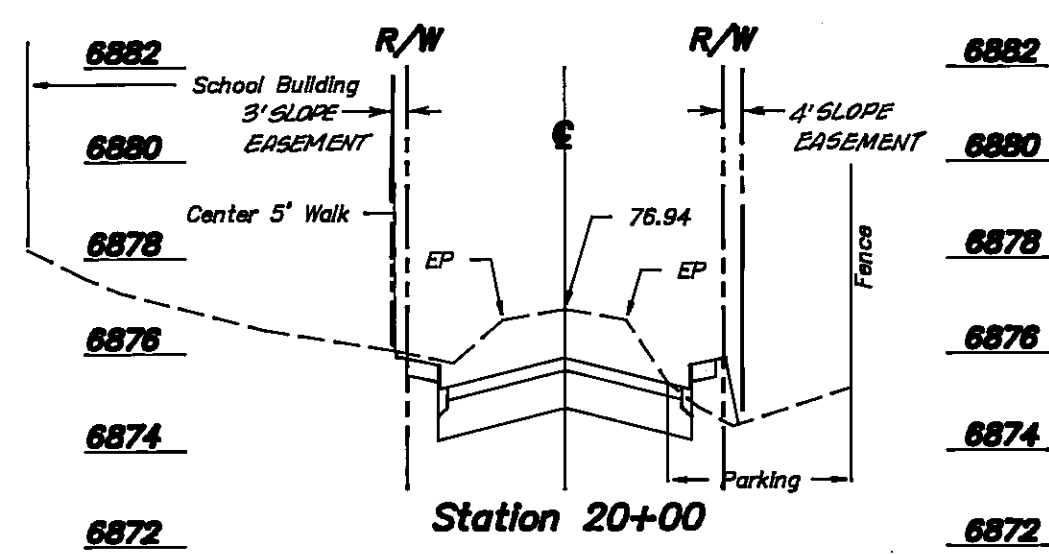
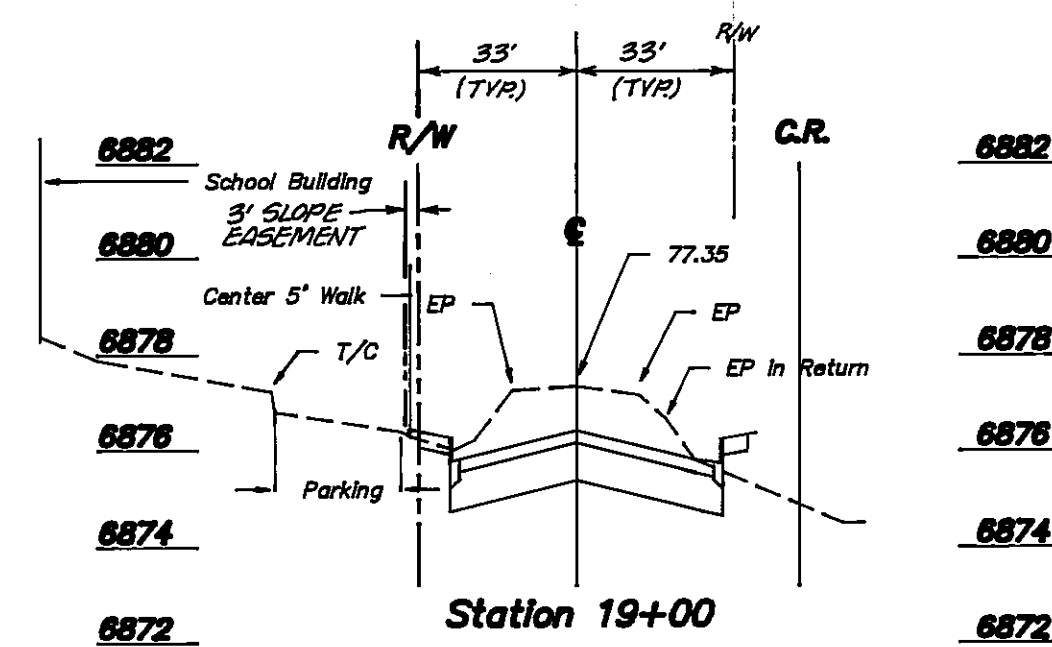
CHECKED:
B.B.K.

DATED:
6-16-88

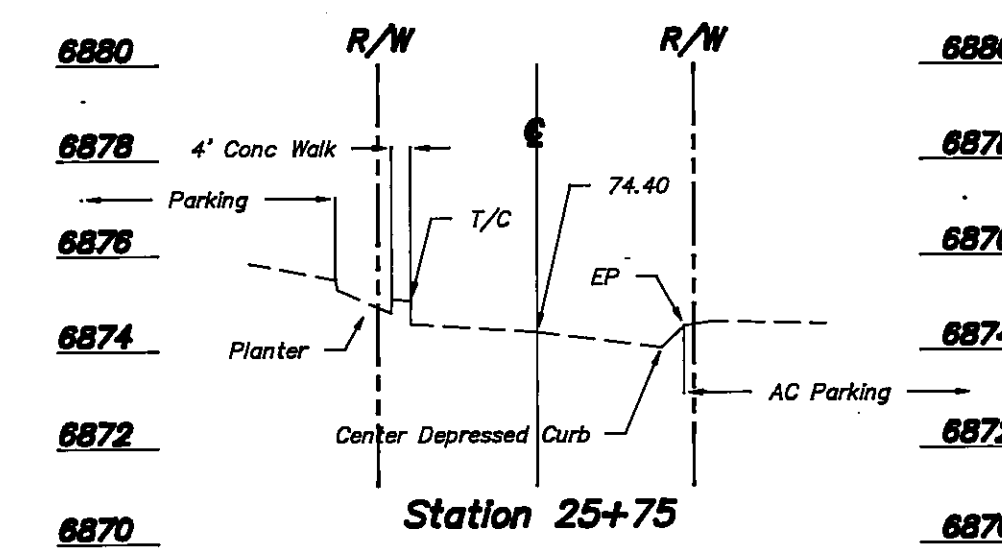
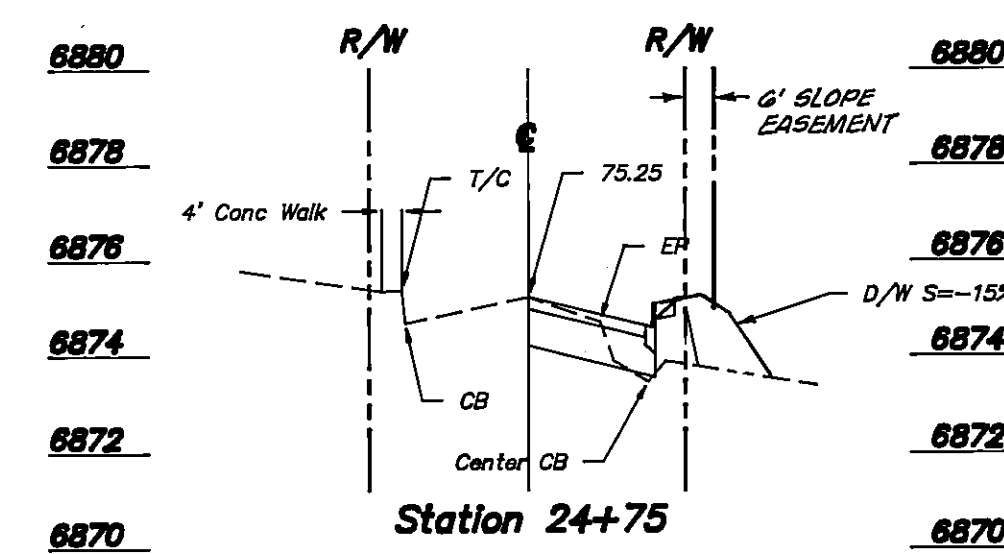
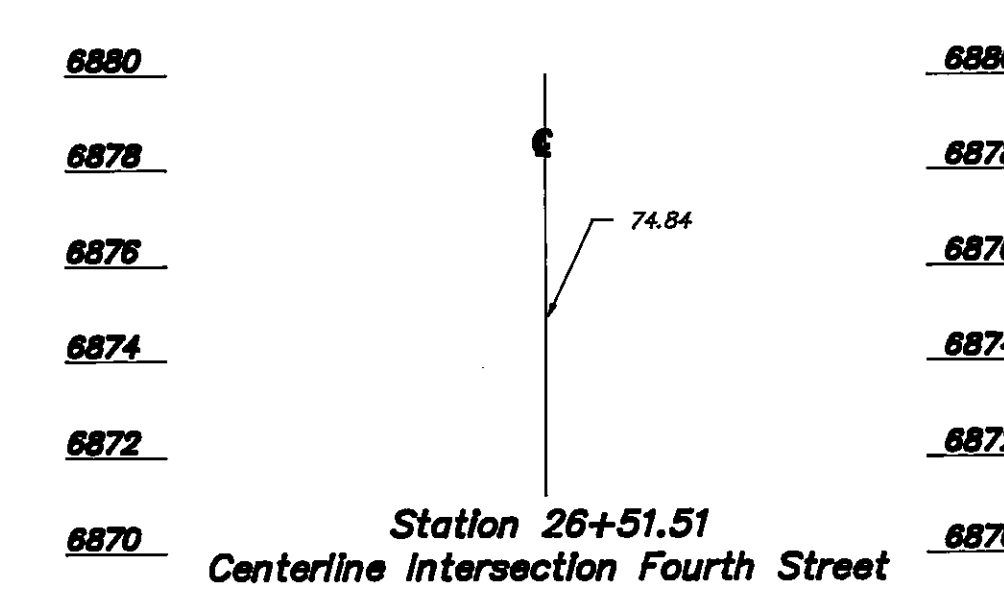
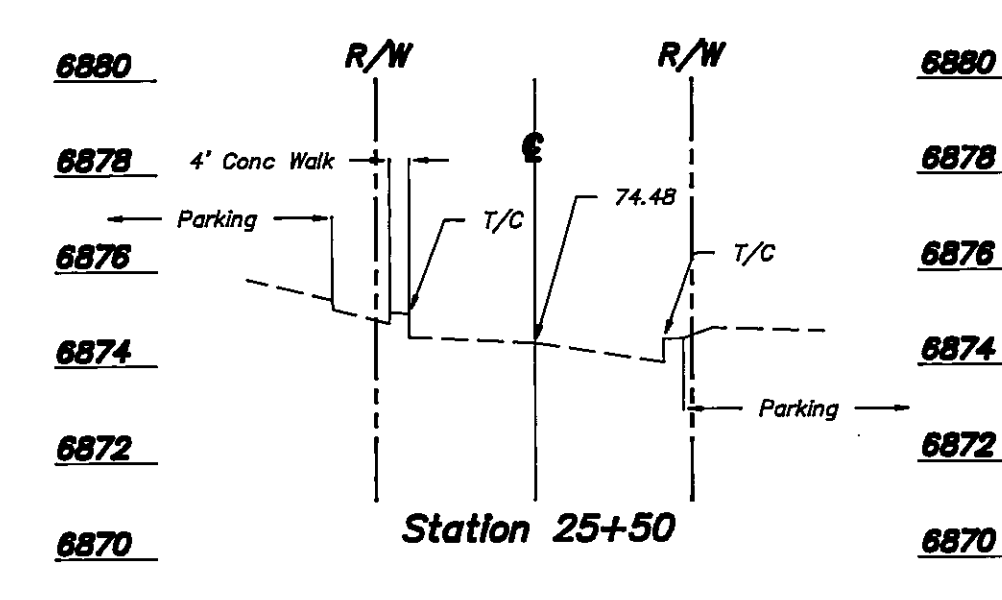
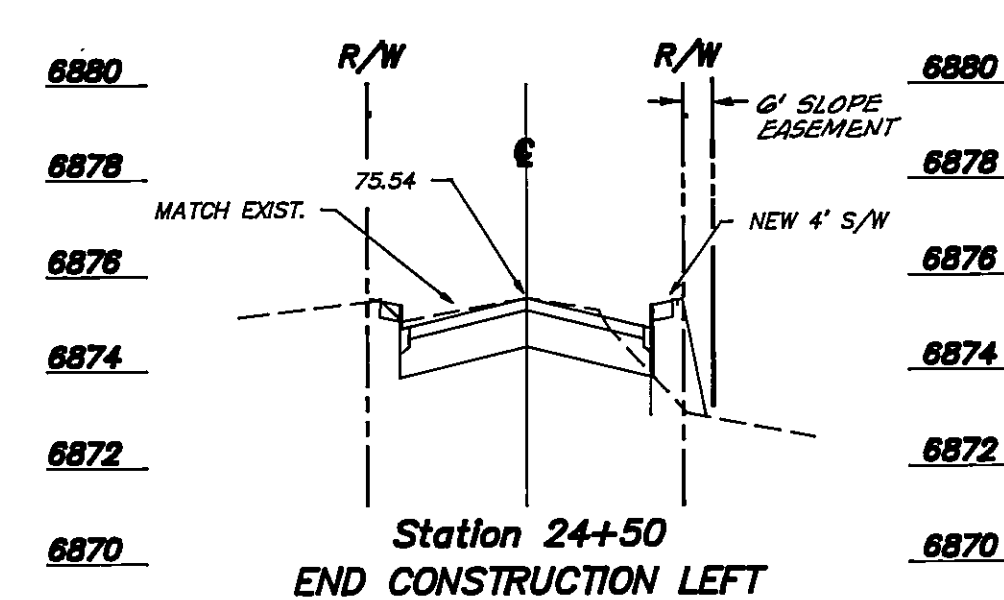
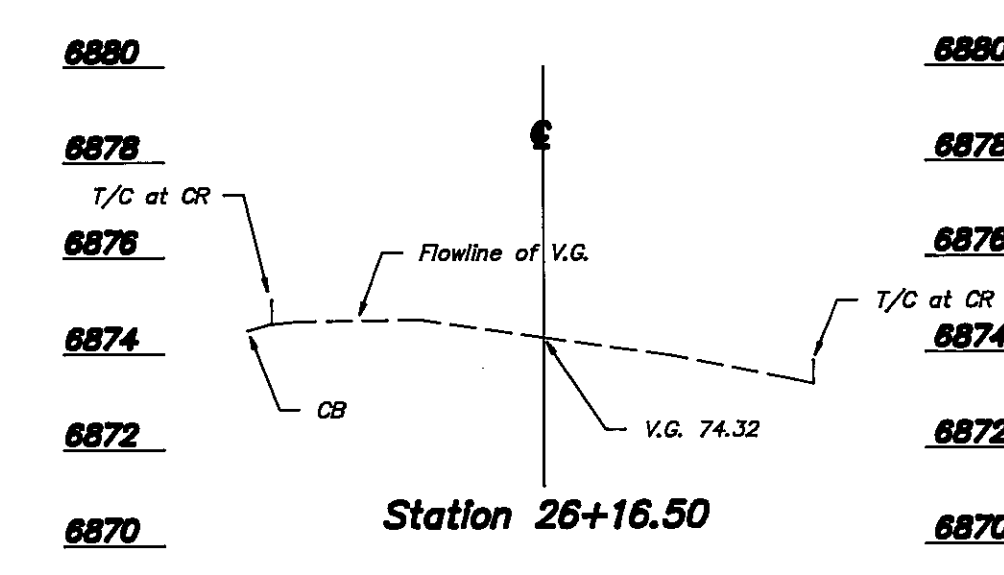
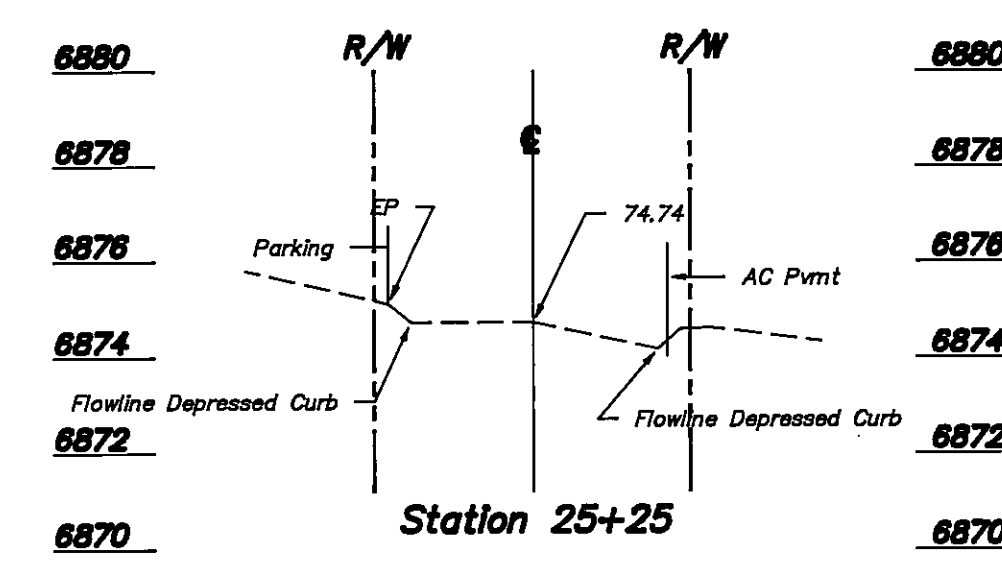
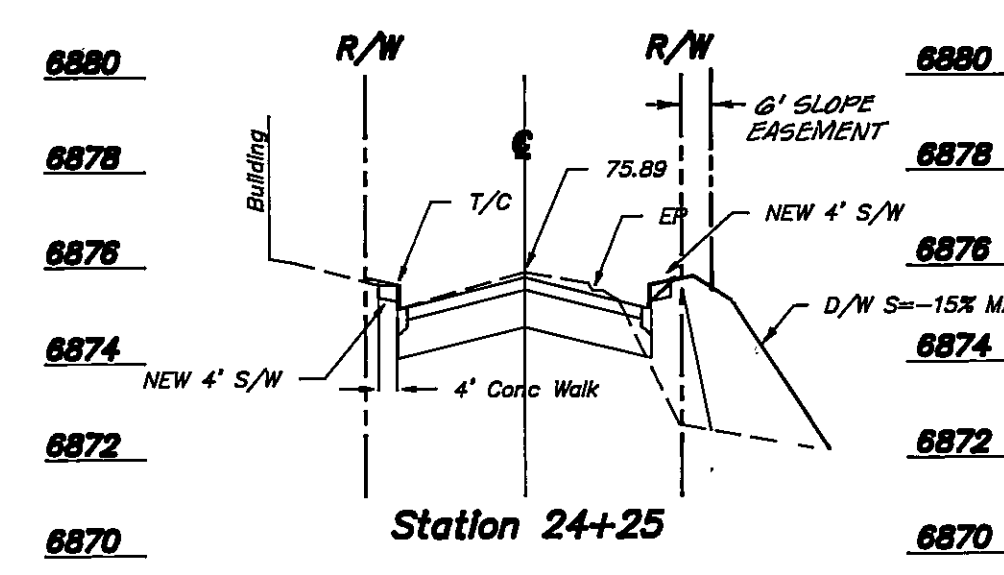
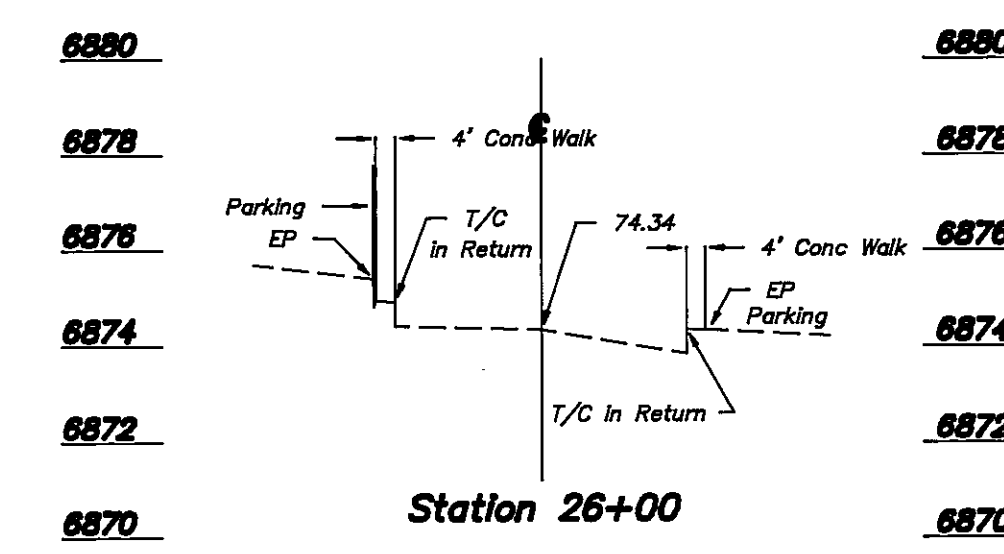
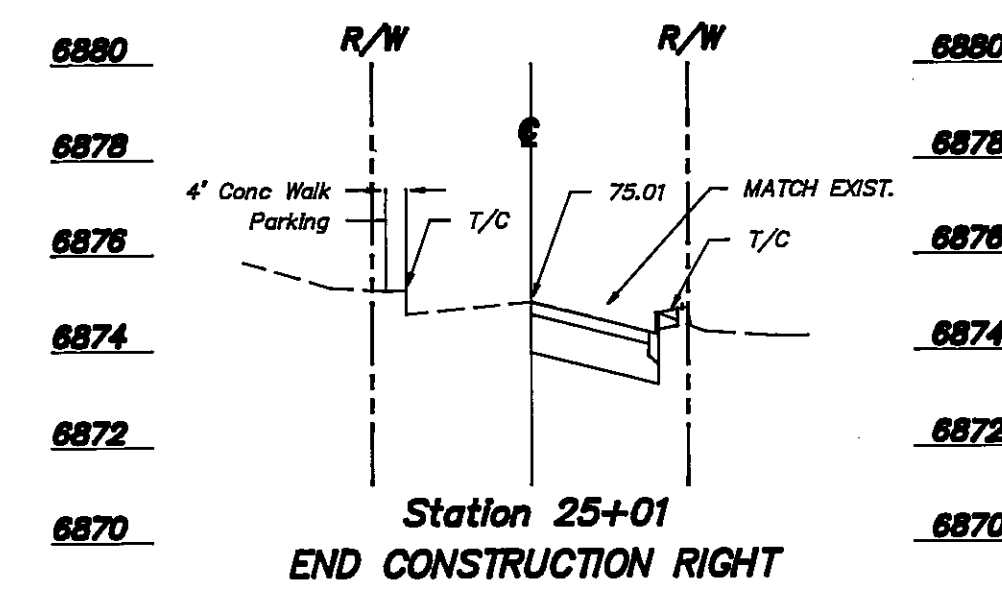
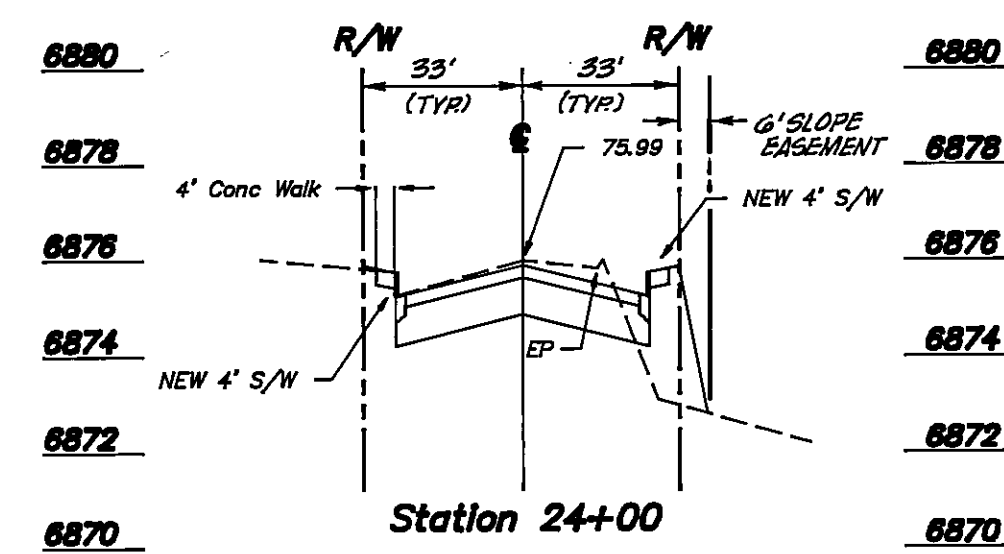
CITY OF FLAGSTAFF, ARIZONA
SIXTH AVE RECONSTRUCTION
CROSS-SECTIONS
STA. 14+00 TO STA. 18+75
PROJECT NUMBER 03-86023 (502-90)

SHEET
18 OF 25

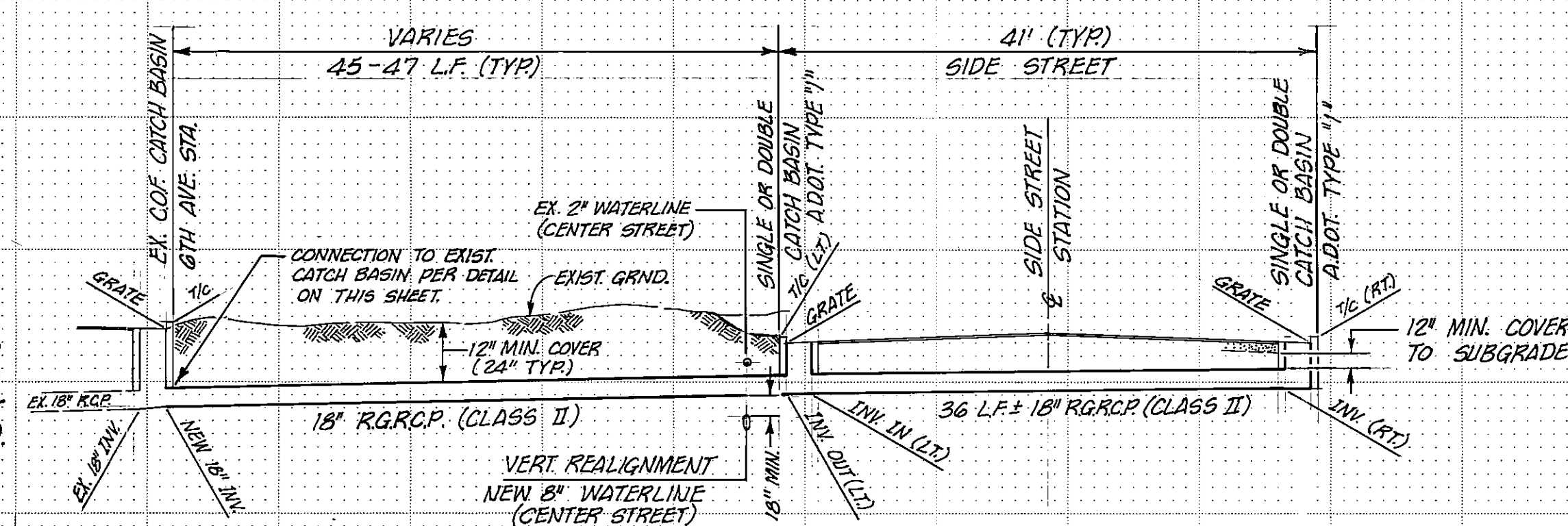
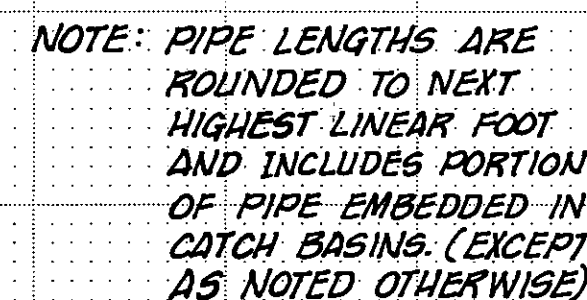
JOB No.
87288



Coconino Engineering 1885 E. BUTLER AVENUE FLAGSTAFF, ARIZONA 86001 (602) 774-9512		SHEET 19 OF 25
CITY OF FLAGSTAFF, ARIZONA SIXTH AVE RECONSTRUCTION CROSS-SECTIONS STA. 19+00 TO STA. 23+75 PROJECT NUMBER 03-86023 (502-90)		JOB No. 87288
SCALE: 1" = 4' H. Vert 1" = 40' H. Horz. DRAWN: R.C.L.N.G. DESIGN: R.C.L. CHECKED: R.G.R. DATED: 6-18-88	REVISIONS DATE INT. 1/1/88 2/1/88 3/1/88 4/1/88 5/1/88 6/1/88	

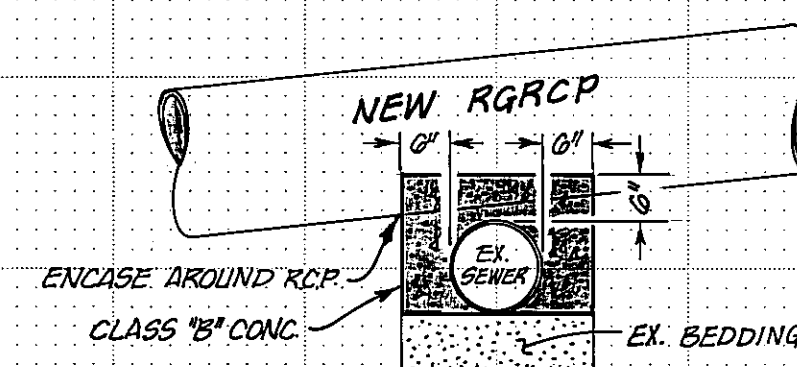


	SCALE: 1" = 4' Vert 1" = 40' Horiz	Coconino Engineering		
	DRAWN: R.C.I./N.G.			
	DESIGN: R.C.I.	REVISIONS DATE INT.	CITY OF FLAGSTAFF, ARIZONA SIXTH AVE RECONSTRUCTION CROSS-SECTIONS STA. 24+00 TO STA. 26+51.51 PROJECT NUMBER 03-86023 (502-90)	SHEET 20 OF 25 JOB No. 87288
	CHECKED: R.C.I.	DATED: 6-16-88		



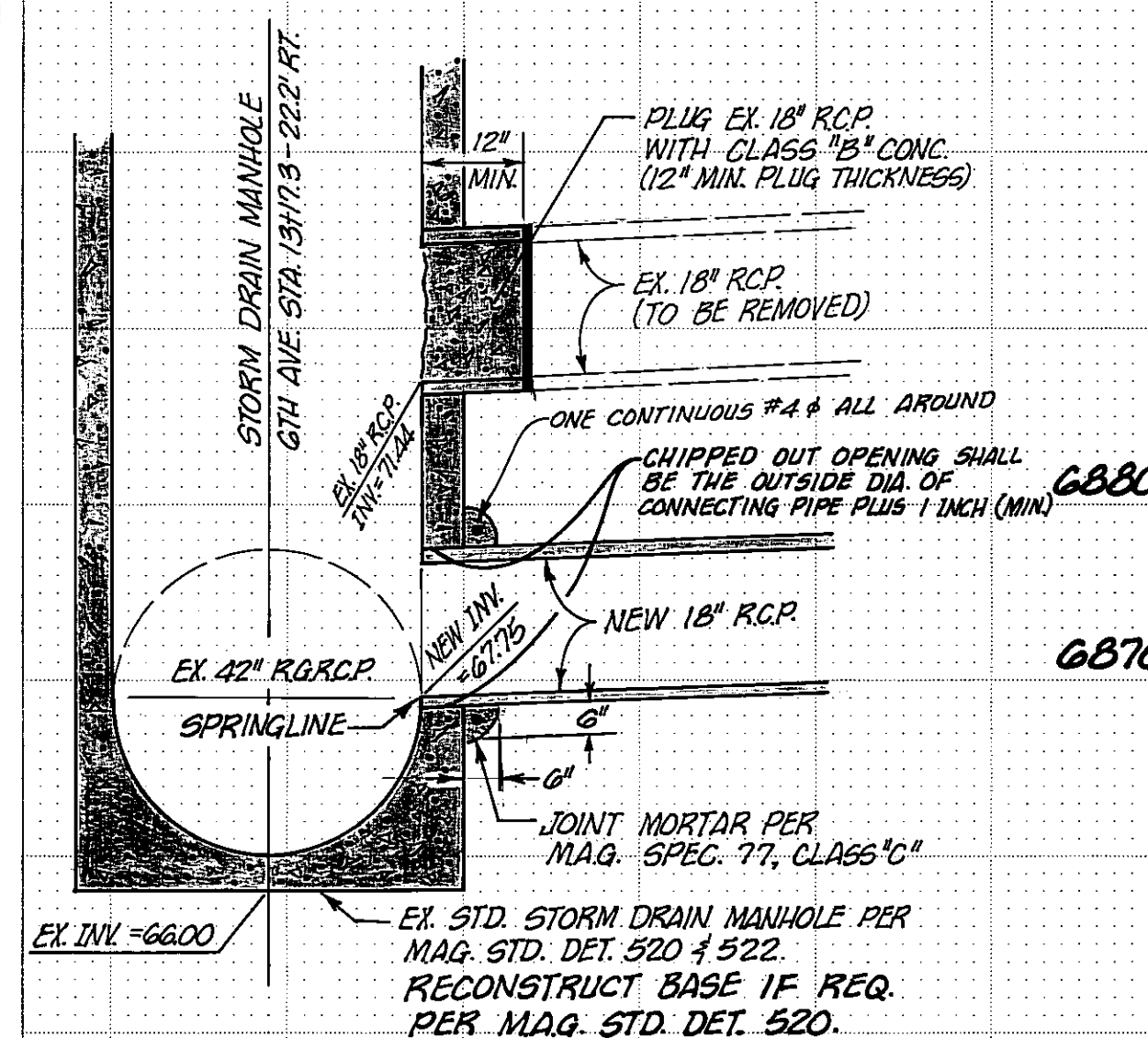
SHEET	GTH AVE STA.	T/C	GRATE	18" INV.@C.B.	APPROX. INV. EX. 42" R.C.P.
5	6119.42-26.5' RT.	84.50'	84.00	79.50	72.79 ±
6	9149.52-26.5' RT.	82.26'	81.76	77.26	69.69
6	12781.83-26.5' RT.	79.94'	79.44	74.94	66.57

EXISTING CATCH BASINS						SIDE STREET	STA. & C.B.	T/C	GRATE	INV. LT.	INV. RT.
SHEET	GTH AVE. STATION	T/C	GRATE	EX. 18" INV.	NEW 18" INV.						
5/10	6+14 - 25' LT.	84.52	84.02	77.73	78.0	CENTER STREET 0+56.5 20.5 LT. RT.	83.49	82.91 (1" DEP)	IN. 79.0 OUT. 78.8	79.40	
6/11	9+16.5 - 25' LT.	82.50	82.00	75.60	75.80	EAST STREET 0+56.5 20.5 LT. RT.	81.52	80.94 (1" DEP)	IN. 77.0 OUT. 76.8	77.40	
6/12	12+12.4 - 24.3' LT.	80.47	79.97	73.74	74.0	MAIN STREET 0+51.61 20.5' LT. RT.	LT. 80.58 RT. 80.47	LT. 80.00 (1" DEP) RT. 79.89 (1" DEP)	IN. 75.55 OUT. 75.36	76.20	

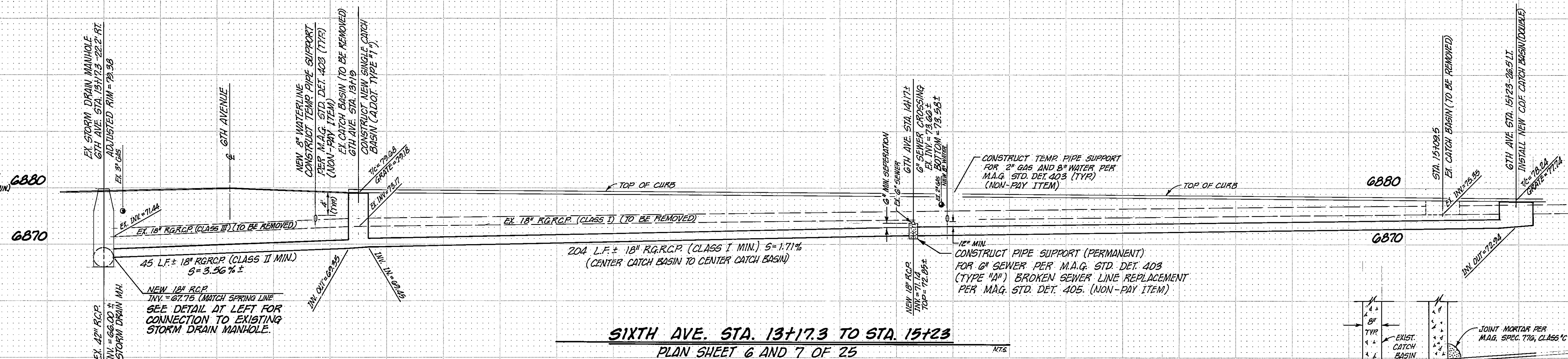


ENCASEMENT DETAIL

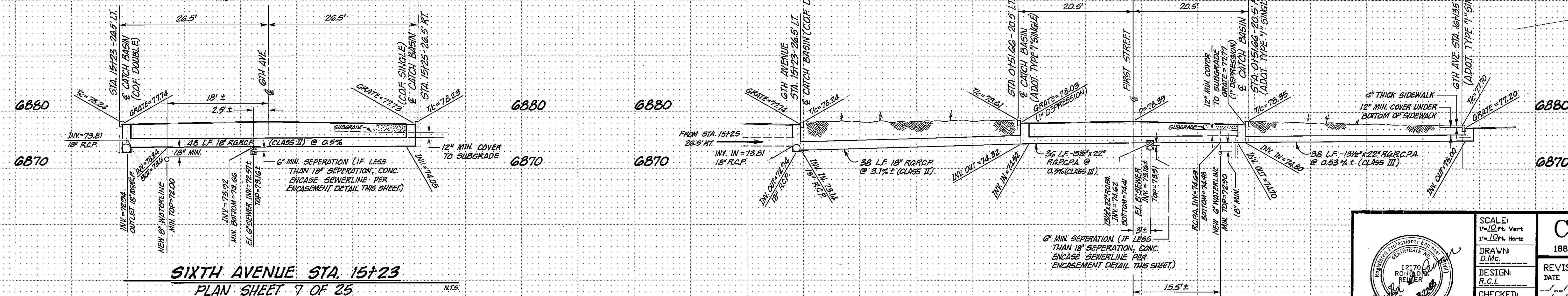
LENGTH OF ENCASEMENT = 0' (3.0' LT. & RT. OF NEW RCP @)



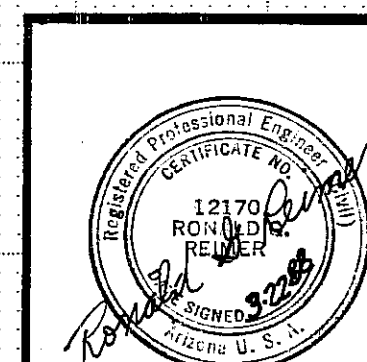
TYPICAL LATERAL TAP INTO
EX. STORM DRAIN MANHOLE



TYPICAL LATERAL TAP INTO
EXIST. CATCH BASIN N.T.S.



SIXTH AVENUE - FIRST STREET
PLAN SHEET 7 AND 13 OF 25



SCALE: 1" = 10' Vert. 1" = 10' Horiz.
DRAWN: D.Mc.
DESIGN: R.C.I.
CHECKED: R.G.R., M.A.J.
DATED: 6-16-88

Coconino Engineering

1885 E. Butler Avenue Flagstaff, Arizona 86001 (602) 774-9512

CITY OF EL AGSTAFF ARIZONA

CITY OF FLAGSTAFF, ARIZONA
SIXTH AVE RECONSTRUCTION

DRAINAGE CROSS-SECTIONS

DRAINAGE CROSS-SECTIONS

SHEET
31 OF 35

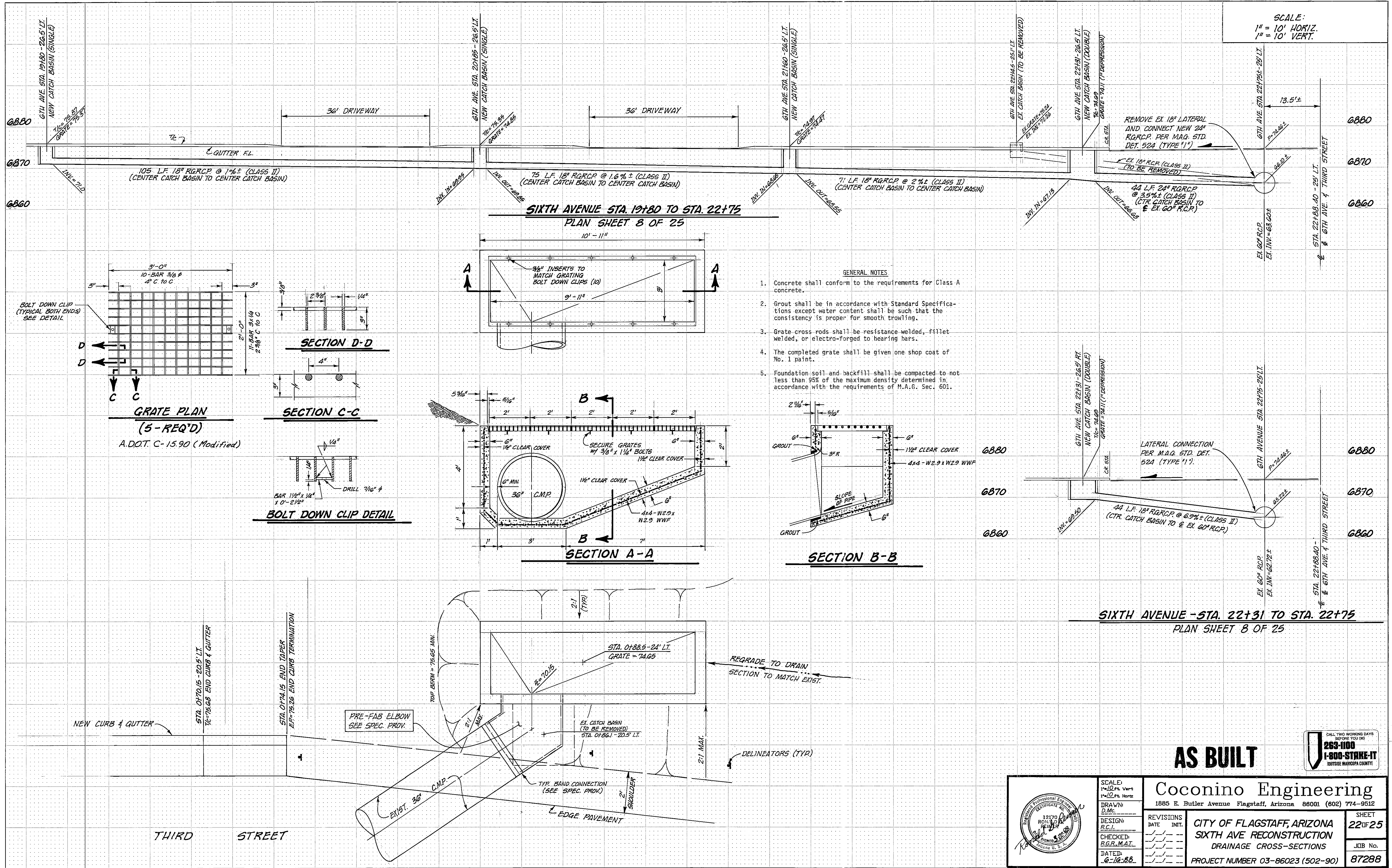
21 OF 23

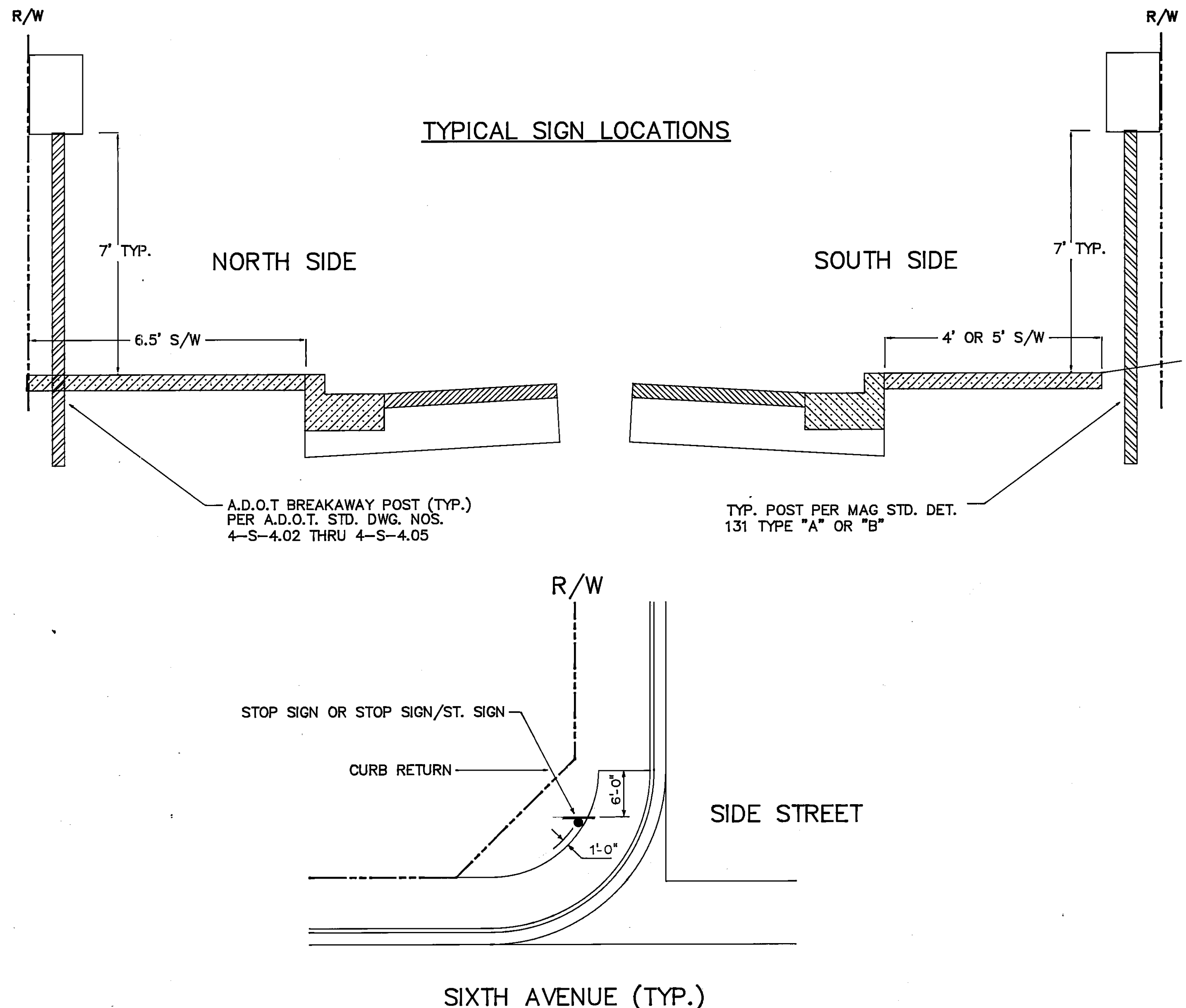
JOB No.

053000

FINAL	DATE
SURVEY	BY
NOTED	BY
NO.	NO.

ORIGINAL	DATE
SURVEY	BY
NOTED	BY
NO.	NO.





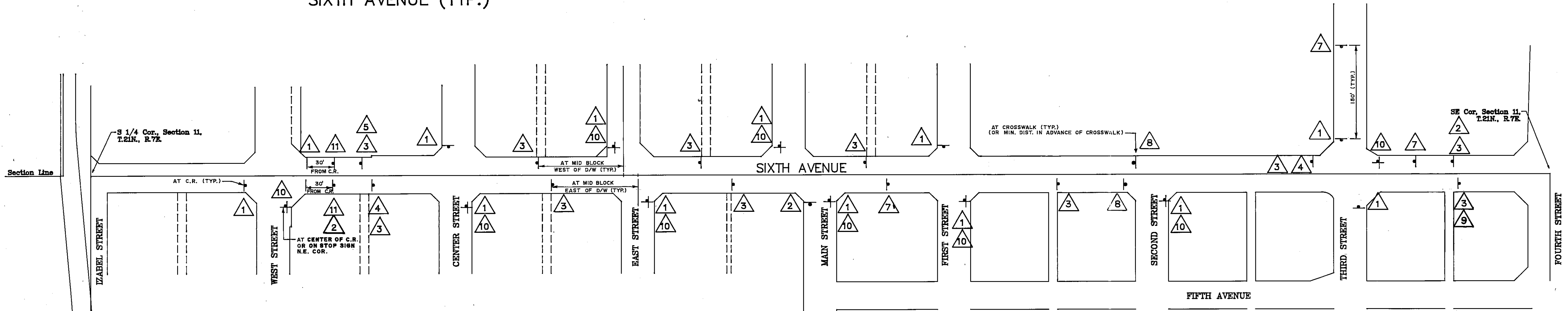
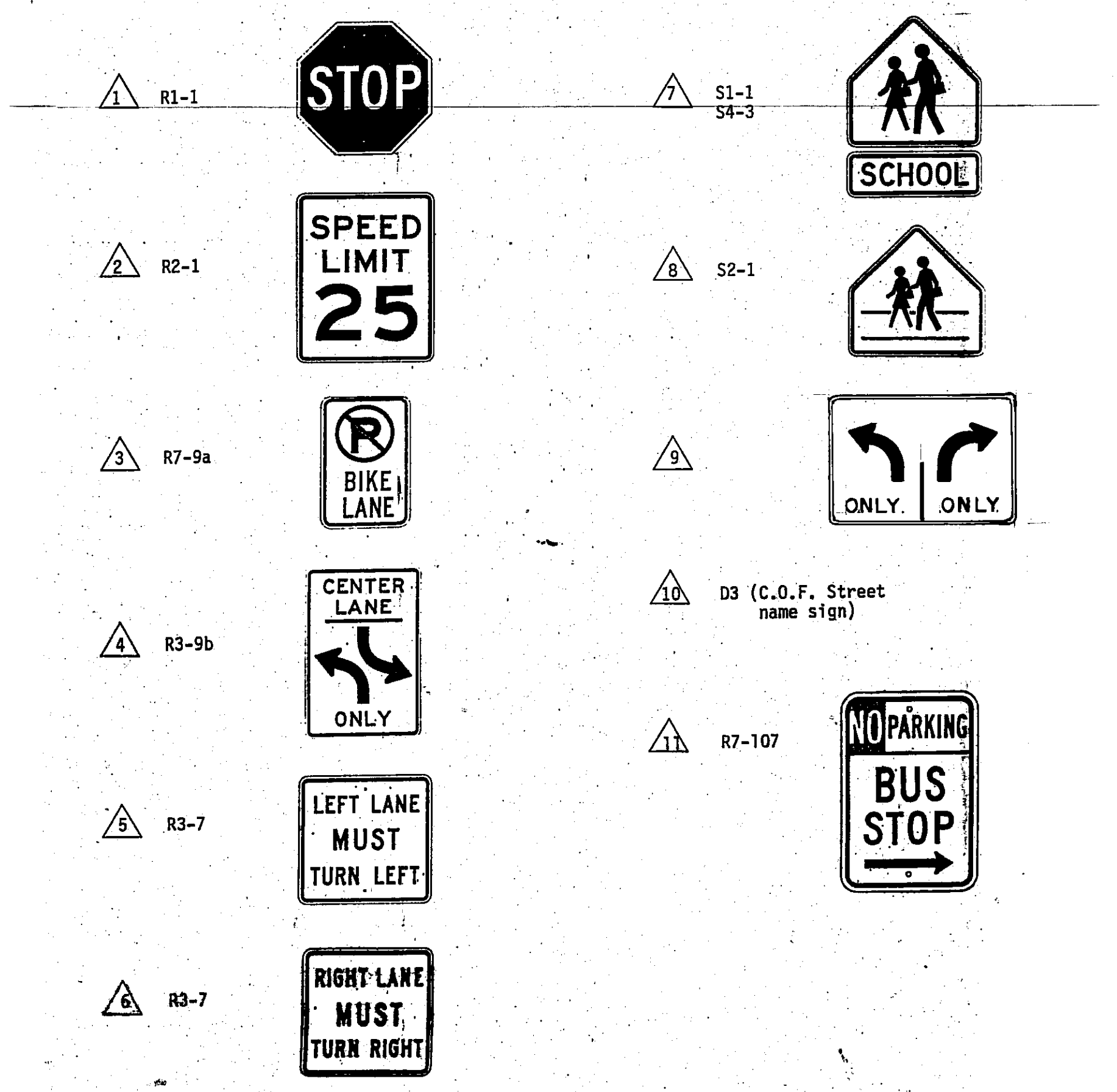
NOTES

- ALL SIGNS TO BE INSTALLED PER THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" FOR STREETS AND HIGHWAYS AND LATEST REVISIONS THERETO.
- WHEN SIGN POST IS TO BE INSTALLED IN SIDEWALK OR OTHER CONCRETE IMPROVEMENT, SIGN POST IS TO BE A "BREAKAWAY POST" PER A.D.O.T. STD. DWG. NOS. 4-S-4.02 THRU 4-S-4.05.
- STREET NAME SIGNS SHALL CONFORM TO CITY OF FLAGSTAFF STANDARDS AND SHALL BE OBTAINED FROM THE C.O.F. (NEW ONLY)
- CITY OF FLAGSTAFF TO PROVIDE ALL SIGNS. (NEW ONLY)

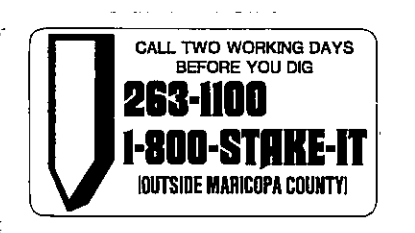
QUANTITIES

1	13
2	3
3	11
4	2
5	1
6	0
7	3
8	2
9	1
10	9
11	2

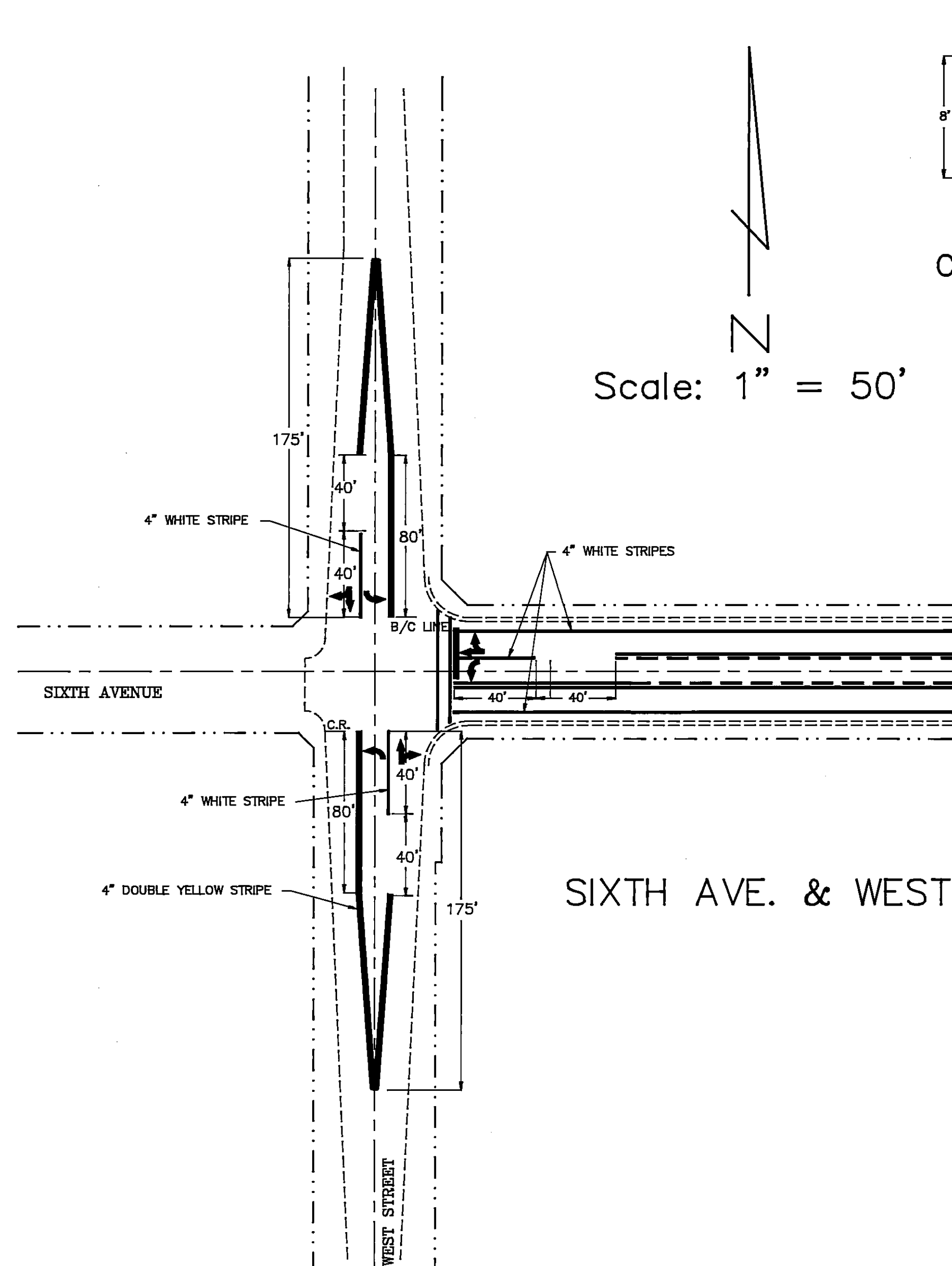
LEGEND



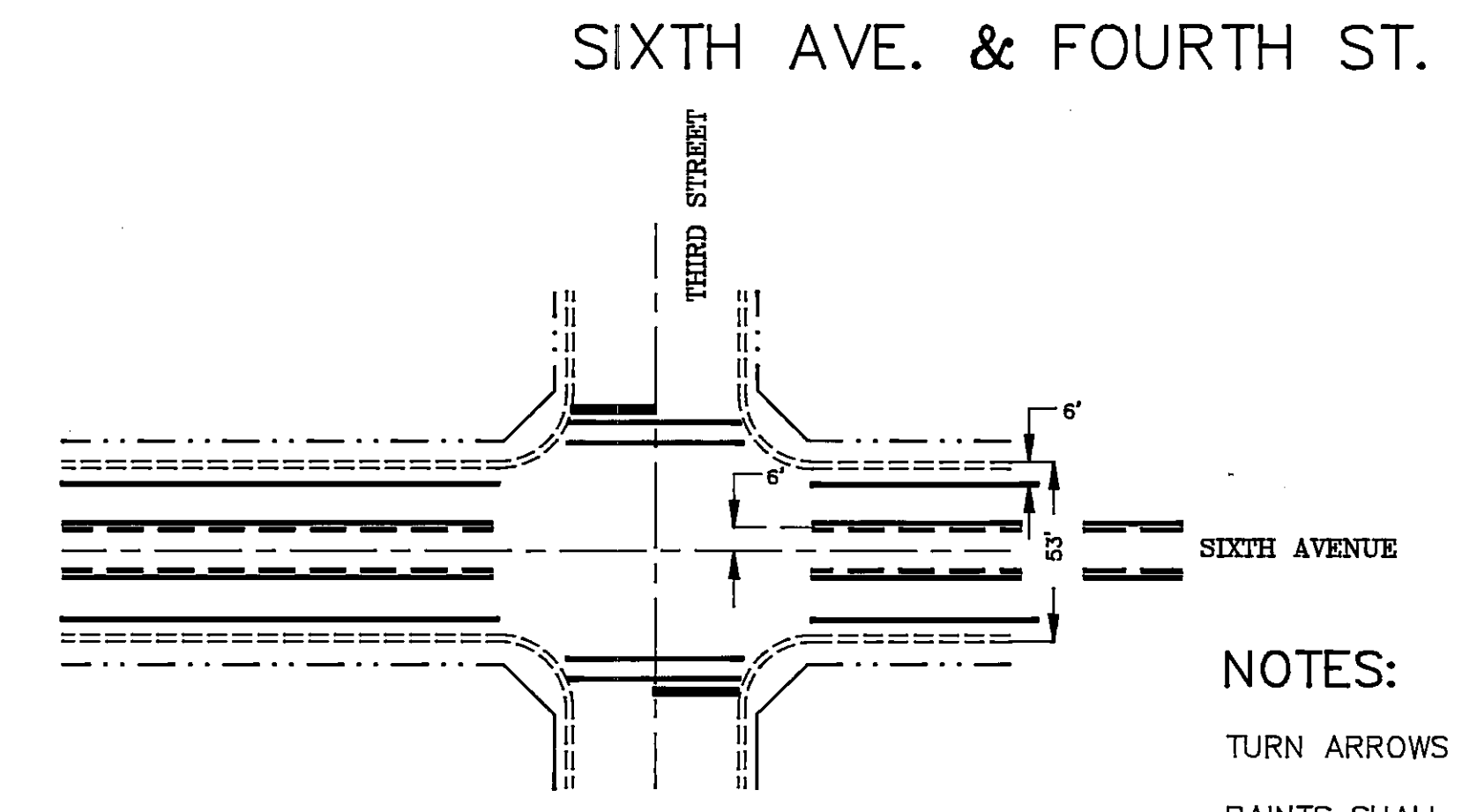
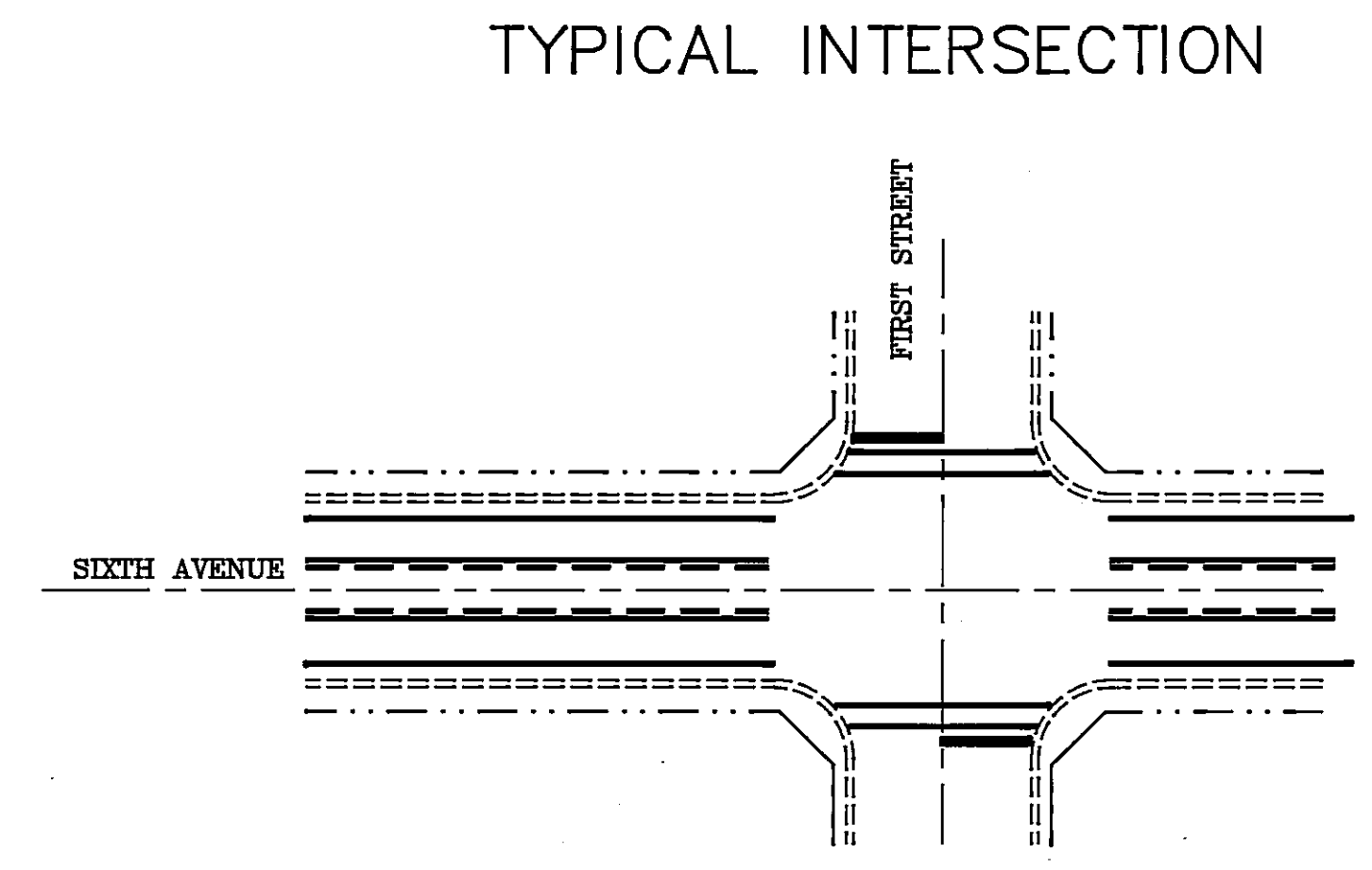
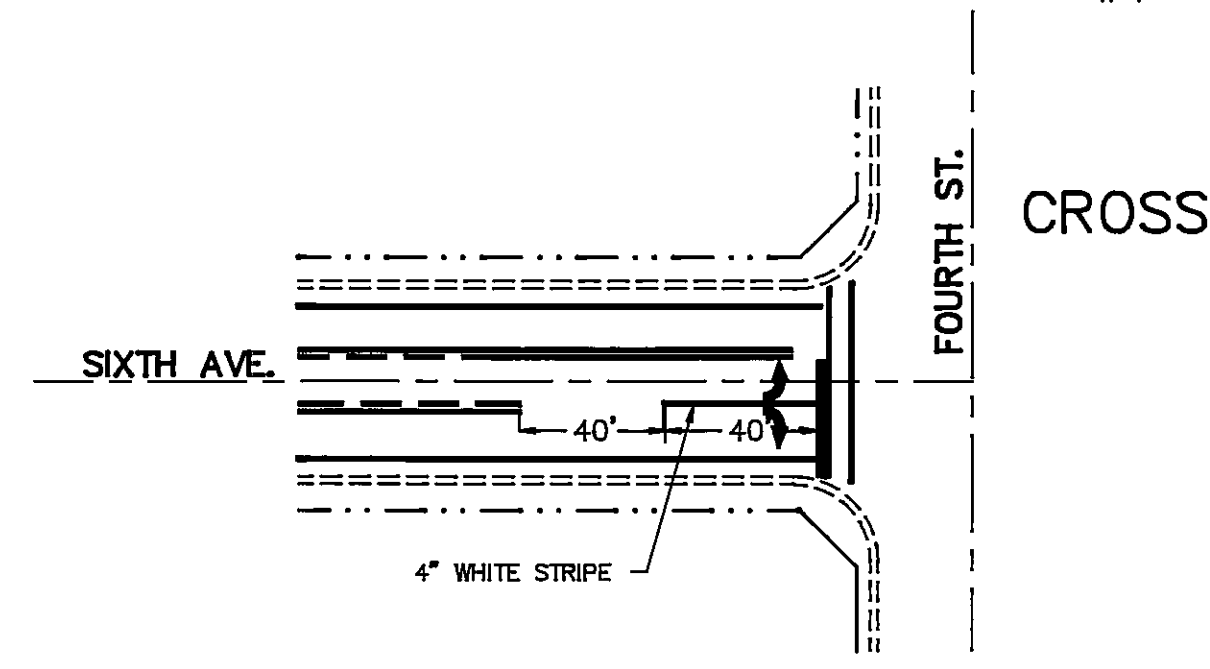
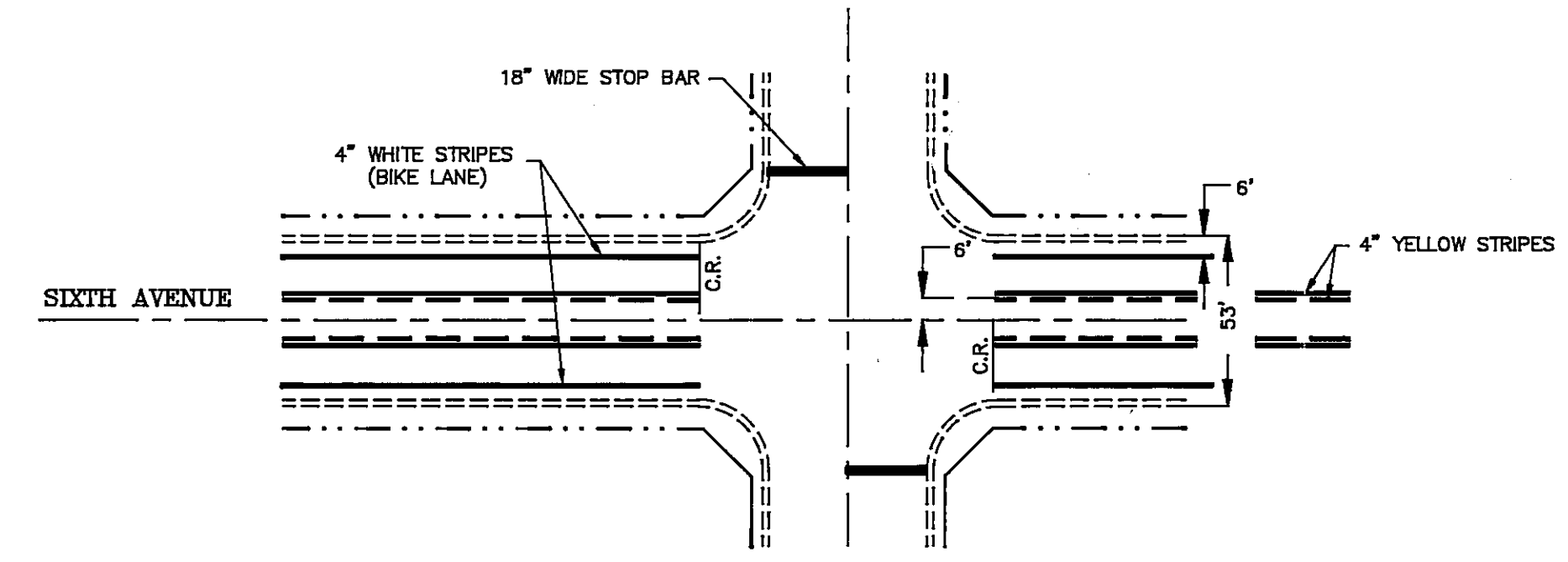
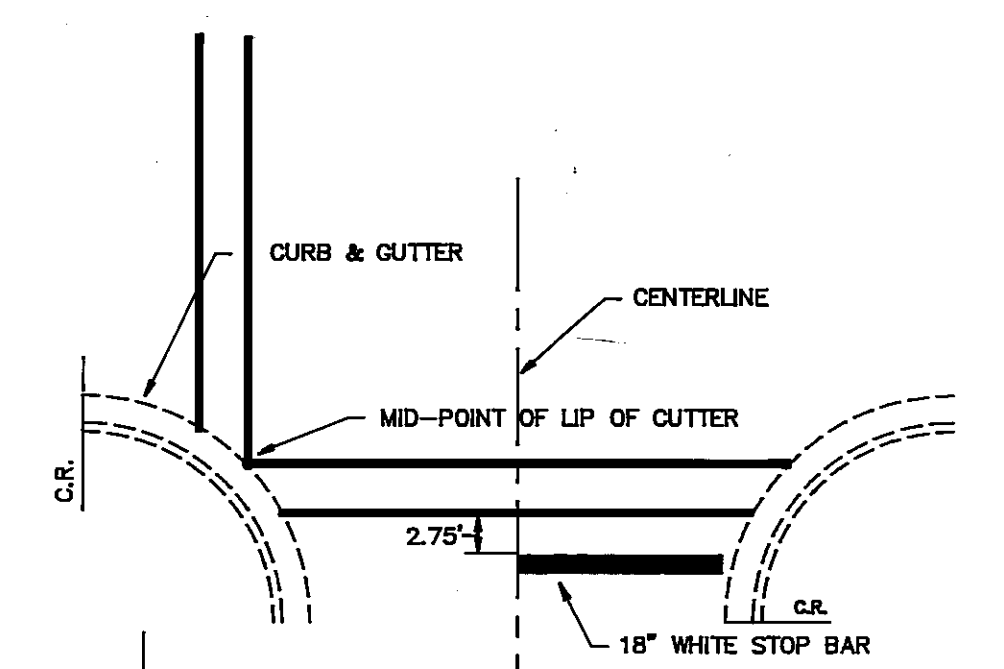
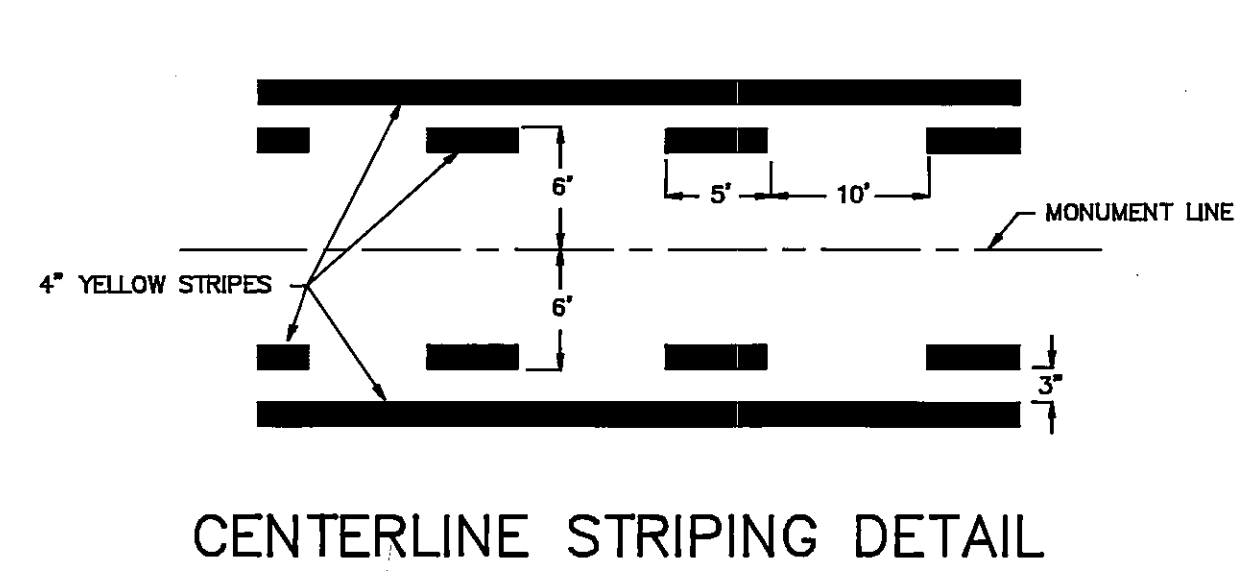
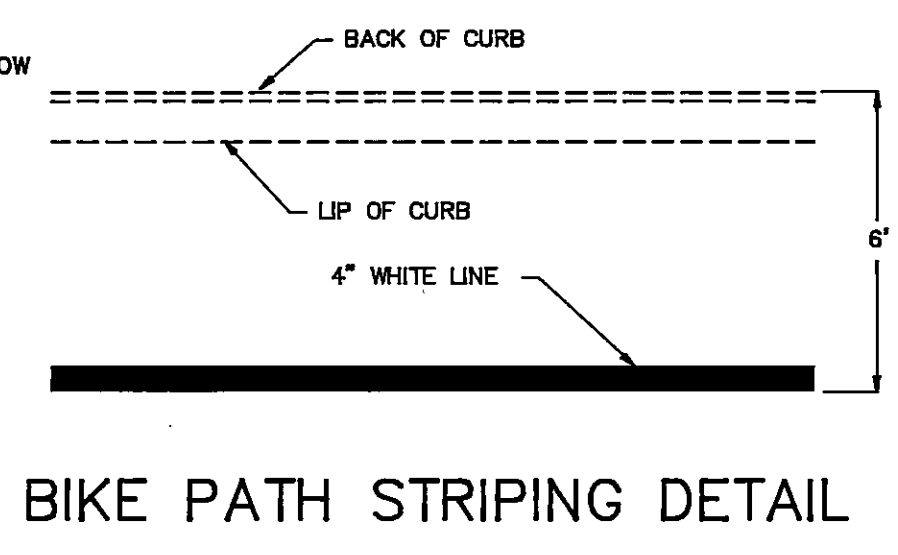
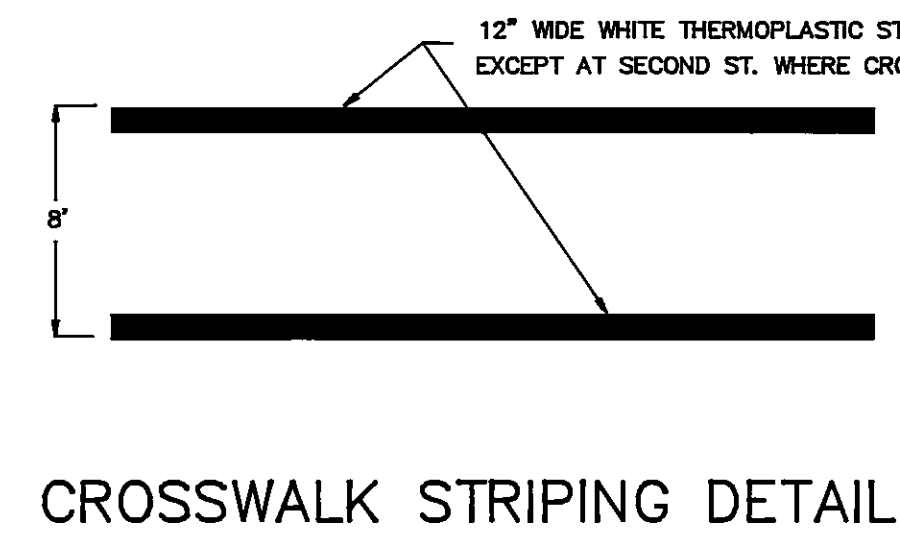
AS BUILT



	Coconino Engineering 1885 E. Butler Avenue Flagstaff, Arizona 86001 (802) 774-9512		SHEET 23 OF 25	
	SCALE: 1" = 40' Vert. 1" = 80' Horiz.	DRAWN: R.G.R./D.M.C.	REVISIONS DATE INT. 3/16/82 R2	CITY OF FLAGSTAFF, ARIZONA SIXTH AVENUE RECONSTRUCTION STREET SIGNING PLAN
	DESIGN: R.G.R./R.C.L.	CHECKED: R.G.R./R.C.L.	DATED: 6-16-88	PROJECT NUMBER 03-860231 (502-90)
	JOB No.			
	87288			

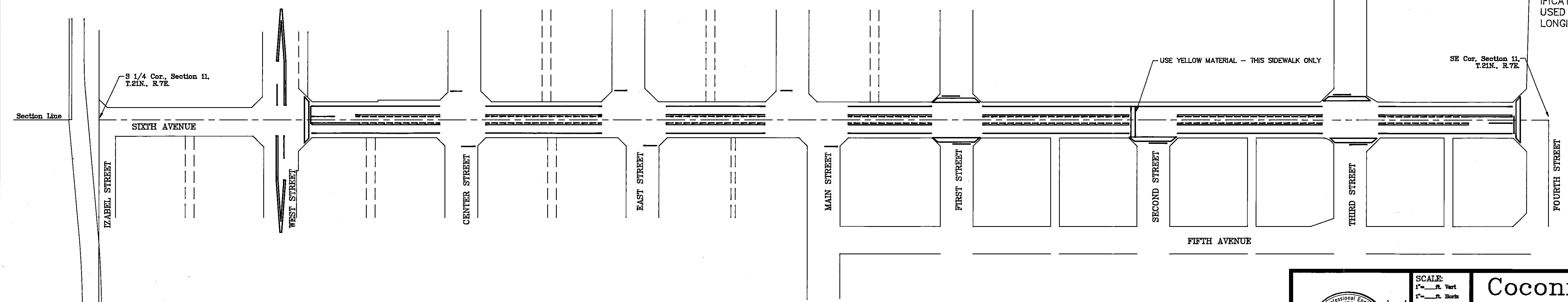


Scale: 1" = 50'



NOTES:

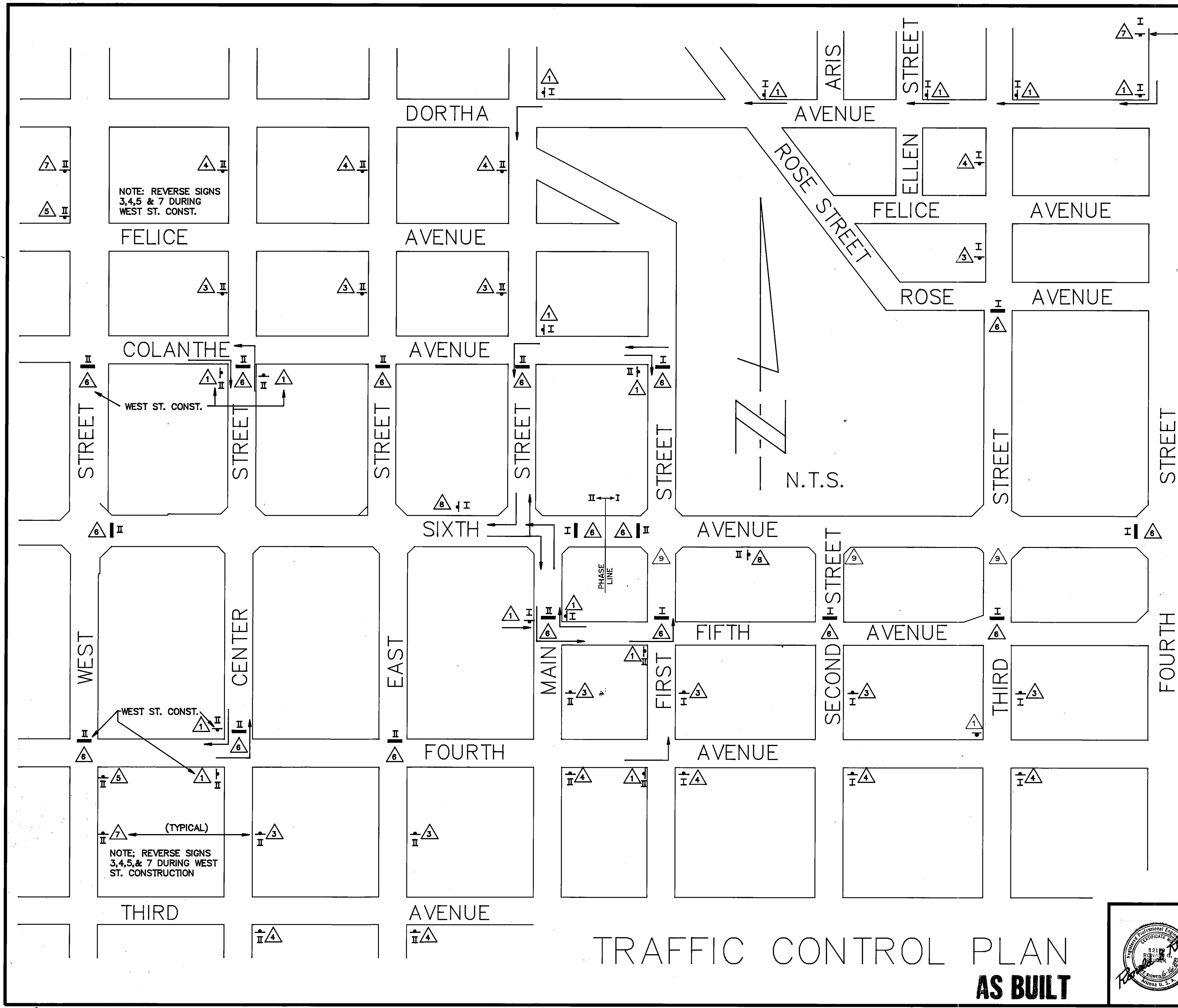
- TURN ARROWS PER ADOT Dwg. No. 4-M-1.16
- PAINTS SHALL CONFORM TO ADOT STANDARD SPECIFICATION SECTION 1002
- THERMOPLASTIC REFLECTORIZED STRIPES AND MARKINGS SHALL CONFORM TO ADOT STANDARD SPECIFICATIONS SECTION 704 FOR MATERIALS AND INSTALLATION. (SHALL BE USED FOR ALL CROSSWALKS)
- PREFORMED PLASTIC PAVEMENT MARKINGS SHALL CONFORM TO ADOT STANDARD SPECIFICATIONS SECTION 705 AND ARE TO BE USED FOR ALL MARKINGS EXCEPT LONGITUDINAL LANE MARKINGS.



Scale: 1" = 100'

	Coconino Engineering 1885 E. Butler Avenue Flagstaff, Arizona 86001 (602) 774-9512		SHEET 24 OF 25	
	DRAWN: N.G.	REVISIONS DATE INTL. 03/16/88 NG	CITY OF FLAGSTAFF, ARIZONA SIXTH AVENUE RECONSTRUCTION	JOB No. 87288
	DESIGN: N.G.	CHECKED: R.G.R.	PROJECT NUMBER 03-86023 (502-90)	
	DATED: 06-16-88			

AS BUILT



SIXTH AVE. CLOSED
TO THRU TRAFFIC
USE DORTHA AVE.

- NOTES:
1. A MINIMUM OF TWO TRAVEL LANES (ONE FOR EACH DIRECTION) SHALL BE MAINTAINED OPEN TO TRAFFIC AT ALL TIMES ON EITHER WEST ST. OR CENTER ST. A TRAVEL LANE SHALL BE DEFINED AS TEN FEET OF ROADWAY WITH A SAFE MOTOR VEHICLE OPERATING SPEED OF TWENTY FIVE MILES PER HOUR.
 2. BUS ACCESS TO KILLIP BUSLOADING AREA IS TO BE PROVIDED AT ALL TIMES WHILE SCHOOL IS IN SESSION.
 3. WORK TO BEGIN ON EAST PORTION OF SIXTH AVE. (PHASE 1) AND BE SUBSTANTIALLY COMPLETED WHILE KILLIP ELEMENTARY SCHOOL IS NOT IN SESSION. IF SCHOOL HAS COMMENCED PRIOR TO AWARD OF THIS CONTRACT, WORK IS TO BEGIN ON THE WEST PORTION OF SIXTH AVE. (PHASE II) AND THE EAST PORTION IS TO BE SUBSTANTIALLY COMPLETED WHILE SCHOOL IS NOT IN SESSION OR IN A MANNER THAT WILL CAUSE MINIMAL DISRUPTION TO THE SCHOOL.
 4. CONTRACTOR HAS THE OPTION OF SUBMITTING HIS OWN TRAFFIC CONTROL PLAN TO THE CITY ENGINEER, BUT WORK SHALL NOT COMMENCE PRIOR TO APPROVAL OF THE PLAN.
 5. ALL TRAFFIC CONTROL SIGNS AND PROCEDURES SHALL BE IN ACCORDANCE WITH THE LATEST A.D.O.T. "TRAFFIC CONTROL MANUAL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE".

1
M4-9R

DETOUR
→

2
M4-10R

DETOUR
→

3
W20-2

DETOUR AHEAD

4
W20-3

STREET CLOSED AHEAD

5
W20-1

ROAD CONSTRUCTION AHEAD

6
TYPE III BARRICADE
W/R11-4 & M4-10R

STREET CLOSED
LOCAL TRAFFIC ONLY

DETOUR
←

7
SIXTH AVE. CLOSED
TO THRU TRAFFIC
USE FIFTH AVE.

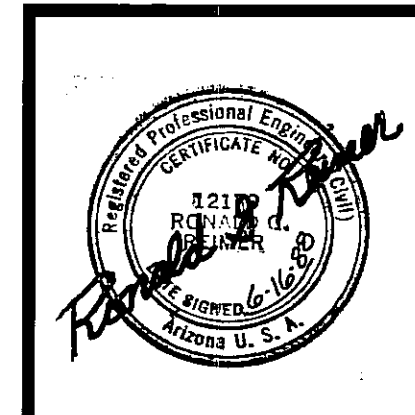
ADVANCE
INFORMATIONAL SIGN

SIXTH AVE CLOSED
TO THRU TRAFFIC
USE ALTERNATE ROUTE

8
G20-2

END CONSTRUCTION

CALL TWO WORKING DAYS
BEFORE YOU DIG
263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)



SCALE:
1" = 40' Vert
1" = 40' Horiz
DRAWN:
R.C.L.
DESIGN:
R.C.L.
CHECKED:
R.C.L./R.G.R.
DATED:
6-16-88

Coconino Engineering
1885 E. Butler Avenue Flagstaff, Arizona 86001 (602) 774-9512

REVISIONS	DATE	INT.
1	3/16/88	88
2		
3		
4		
5		

CITY OF FLAGSTAFF, ARIZONA
SIXTH AVENUE RECONSTRUCTION
TRAFFIC CONTROL PLAN

PROJECT NUMBER 03-860231 (502-90)

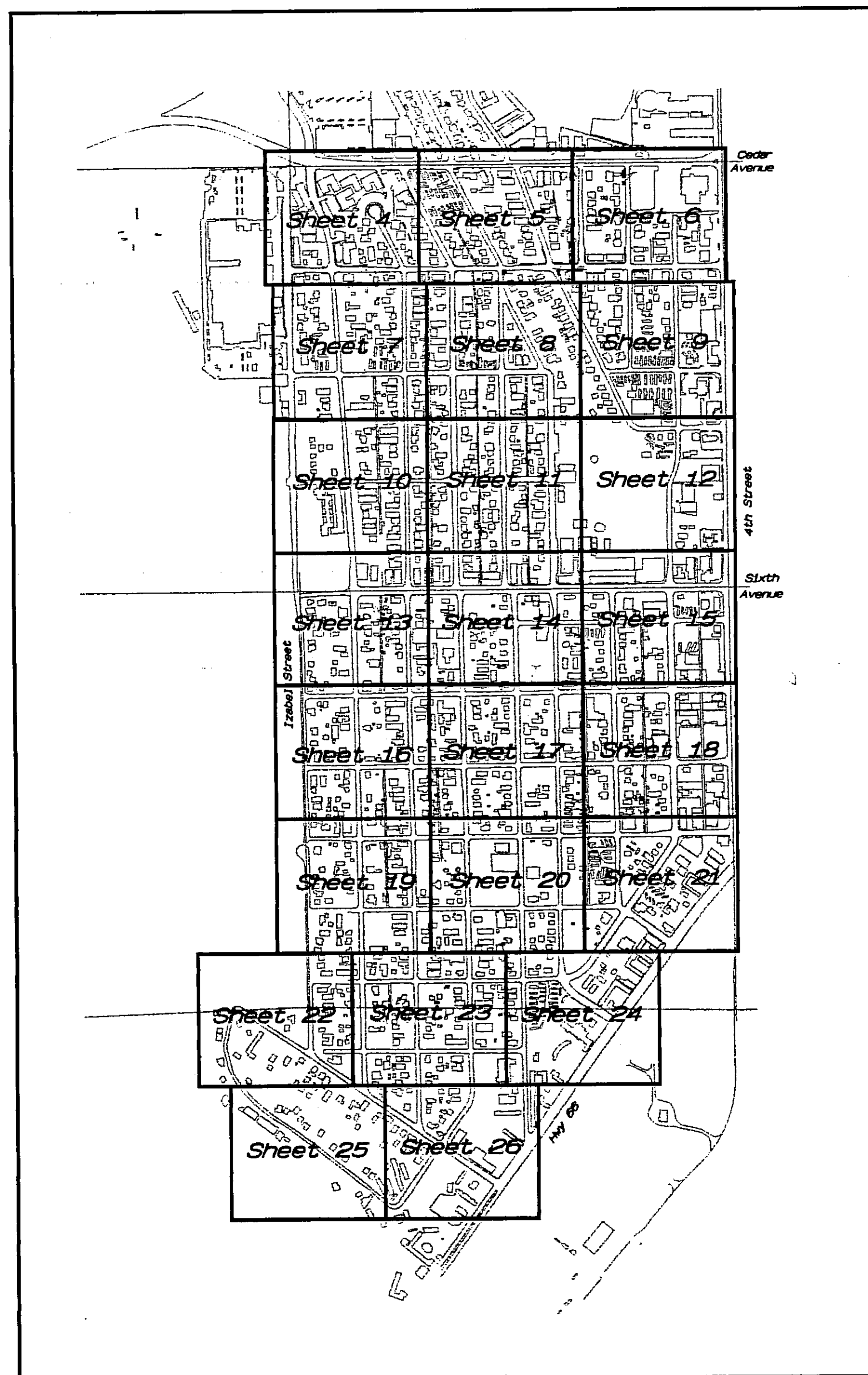
SHEET
25 OF 25
JOB No.
87288

TRAFFIC CONTROL PLAN AS BUILT

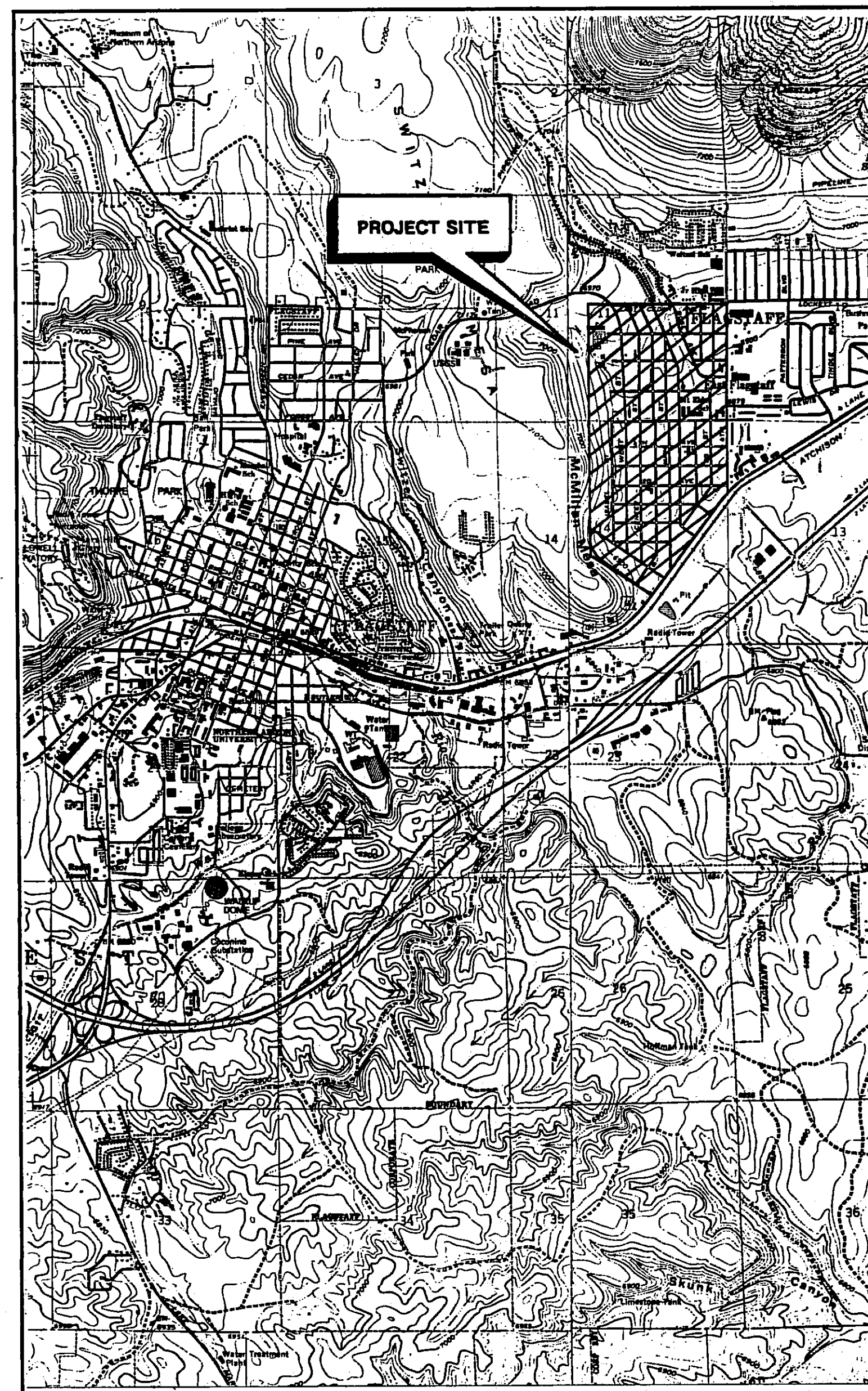
SUNNYSIDE IMPROVEMENT DISTRICT

PROJECT CONCEPT

CITY OF FLAGSTAFF # 03-91029

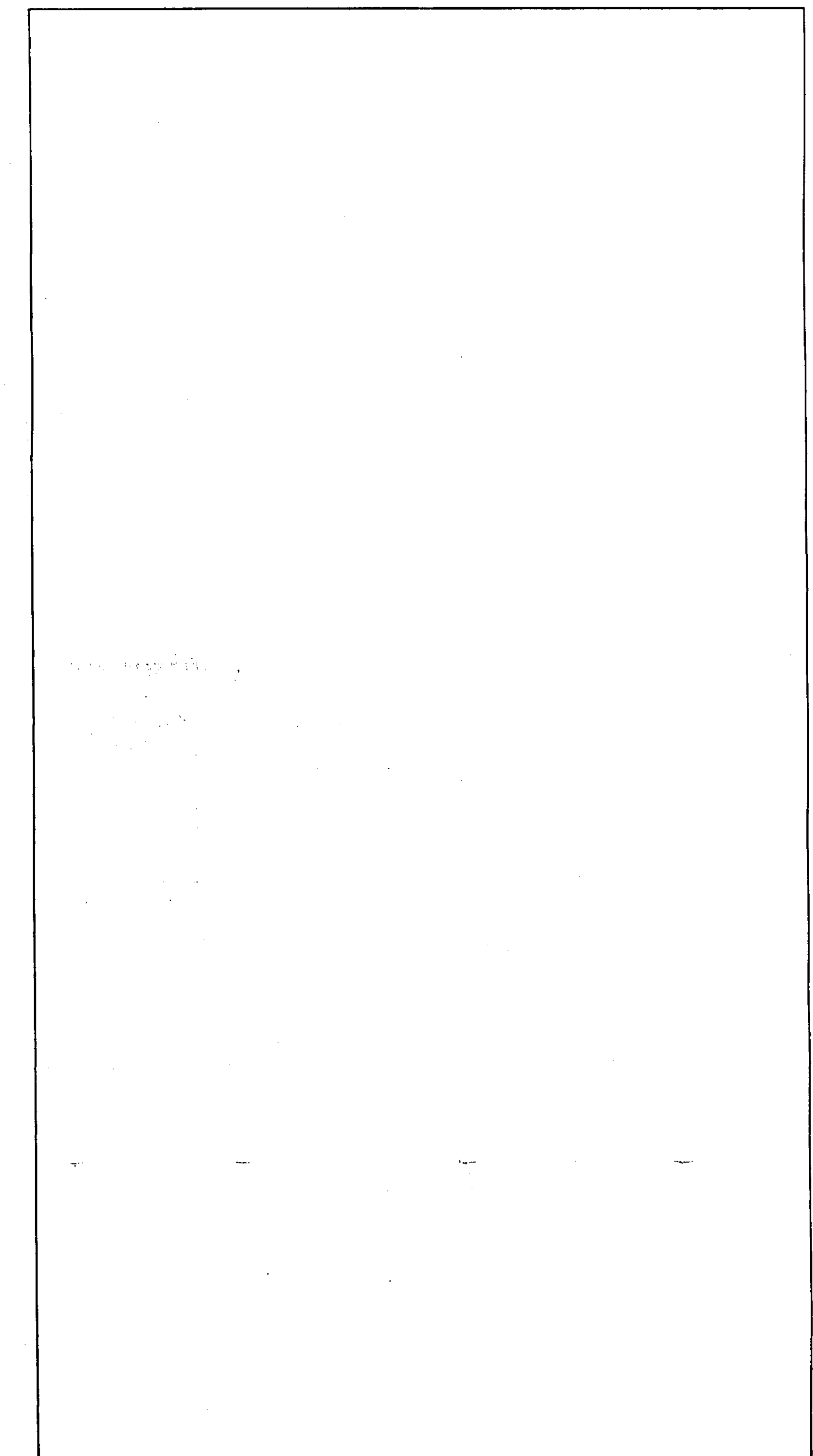


SHEET INDEX
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

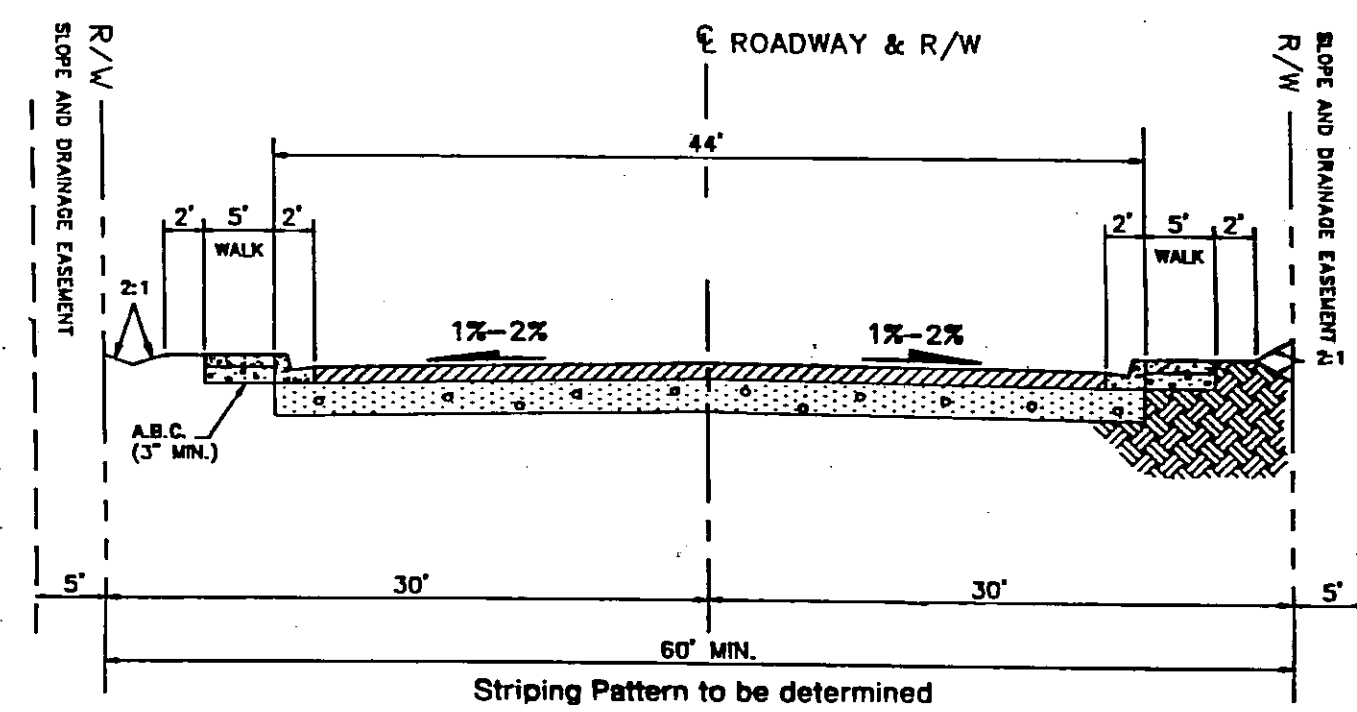
	Revisions:	Date:	By:



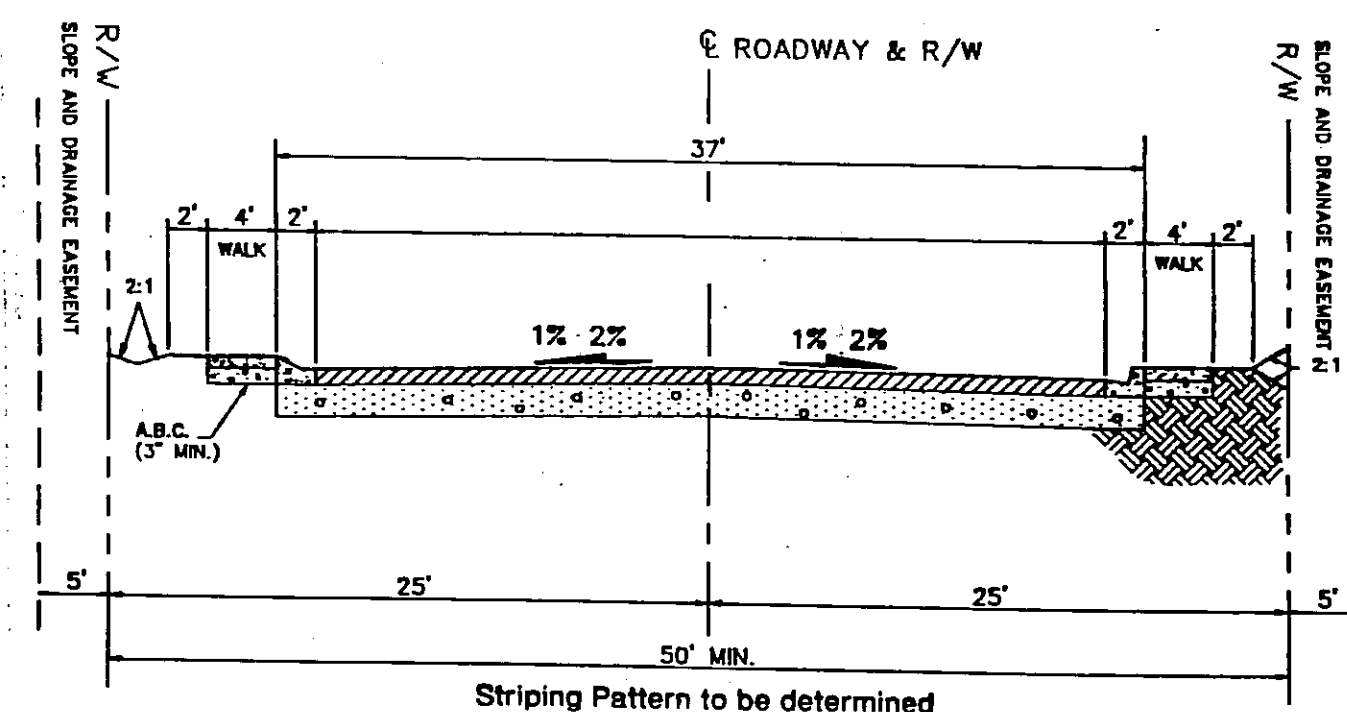
RECEIVED AUG 02 1995 ENGINEERING

	ARIZONA ENGINEERING COMPANY	Civil and Environmental Engineering Land Surveying 419 North San Francisco Street Flagstaff, Arizona 86001-4004 Telephone (802) 774-7179 Facsimile (802) 779-1041

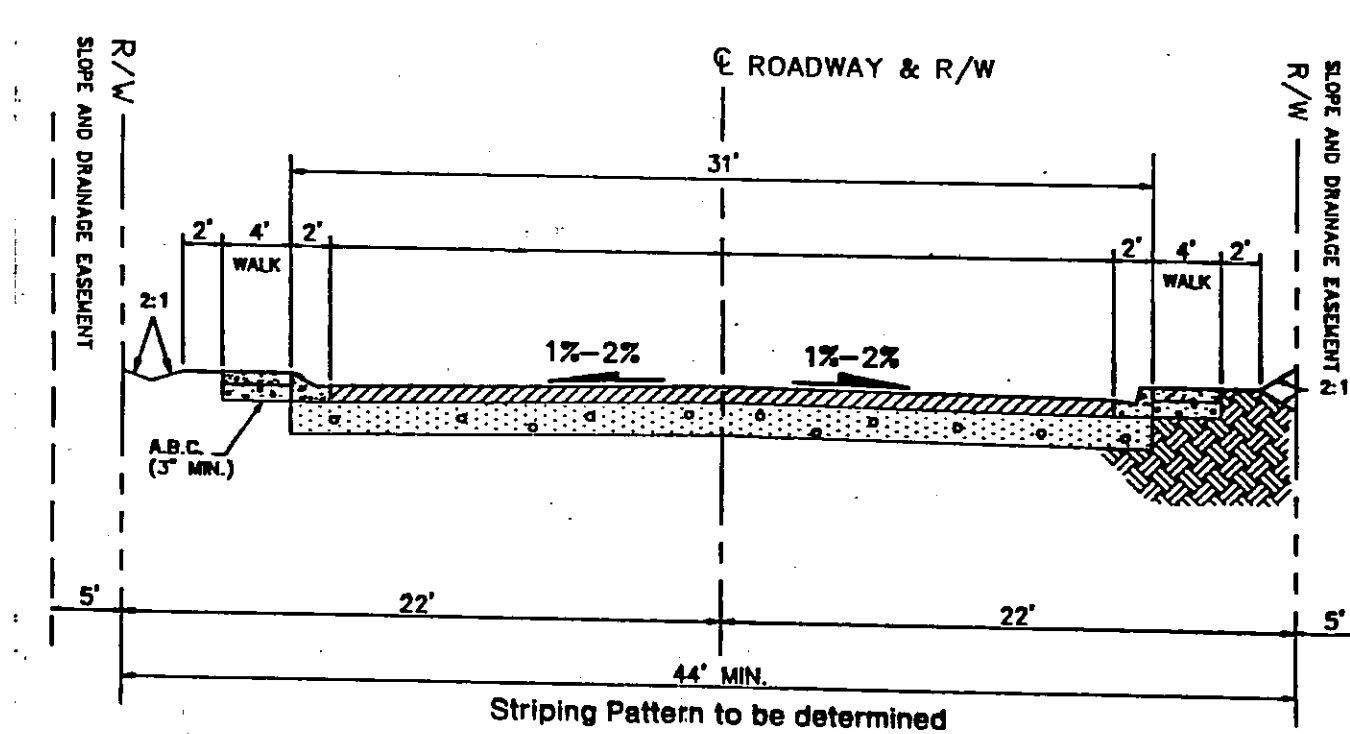
	Project Concept Cover Sheet Sunnyside Improvement District			
	Scale: N/A	Date: 10-28-94	Job No: 400802	Sheet 1 of 26
	By: OCT	Drawing No: N/A		



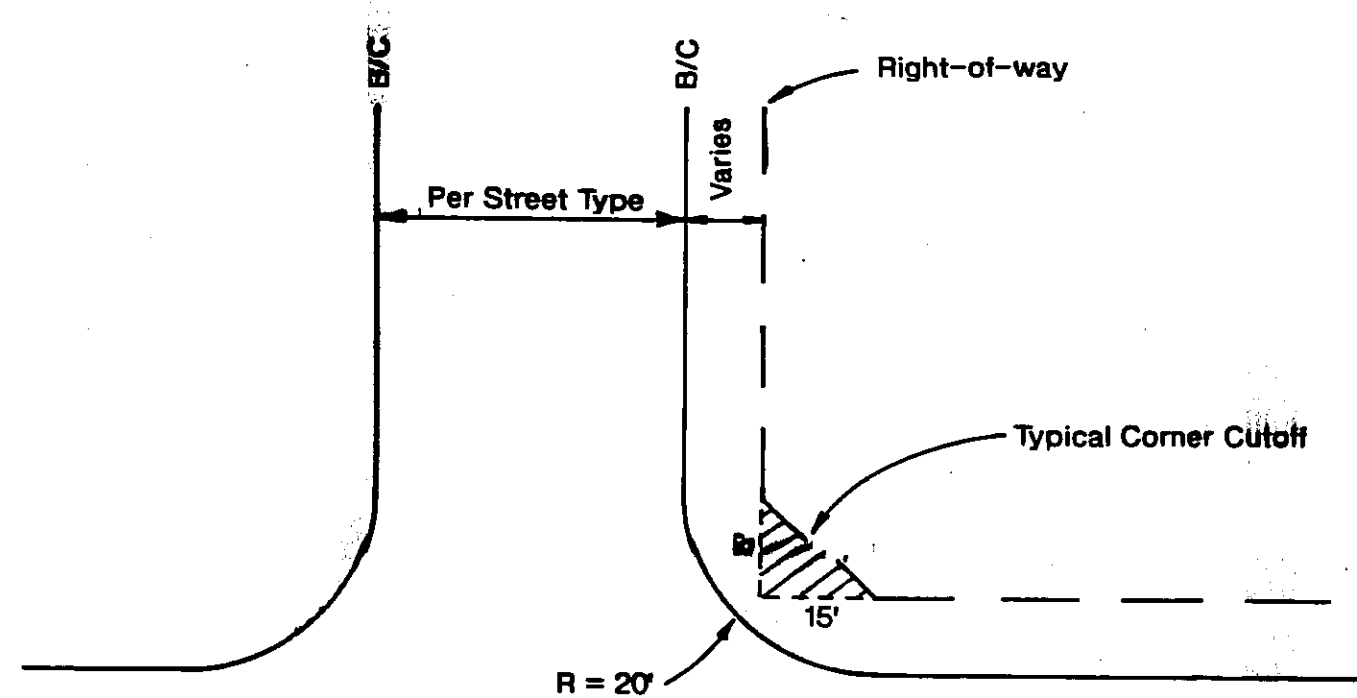
1 Type III Street Detail
2 Not To Scale



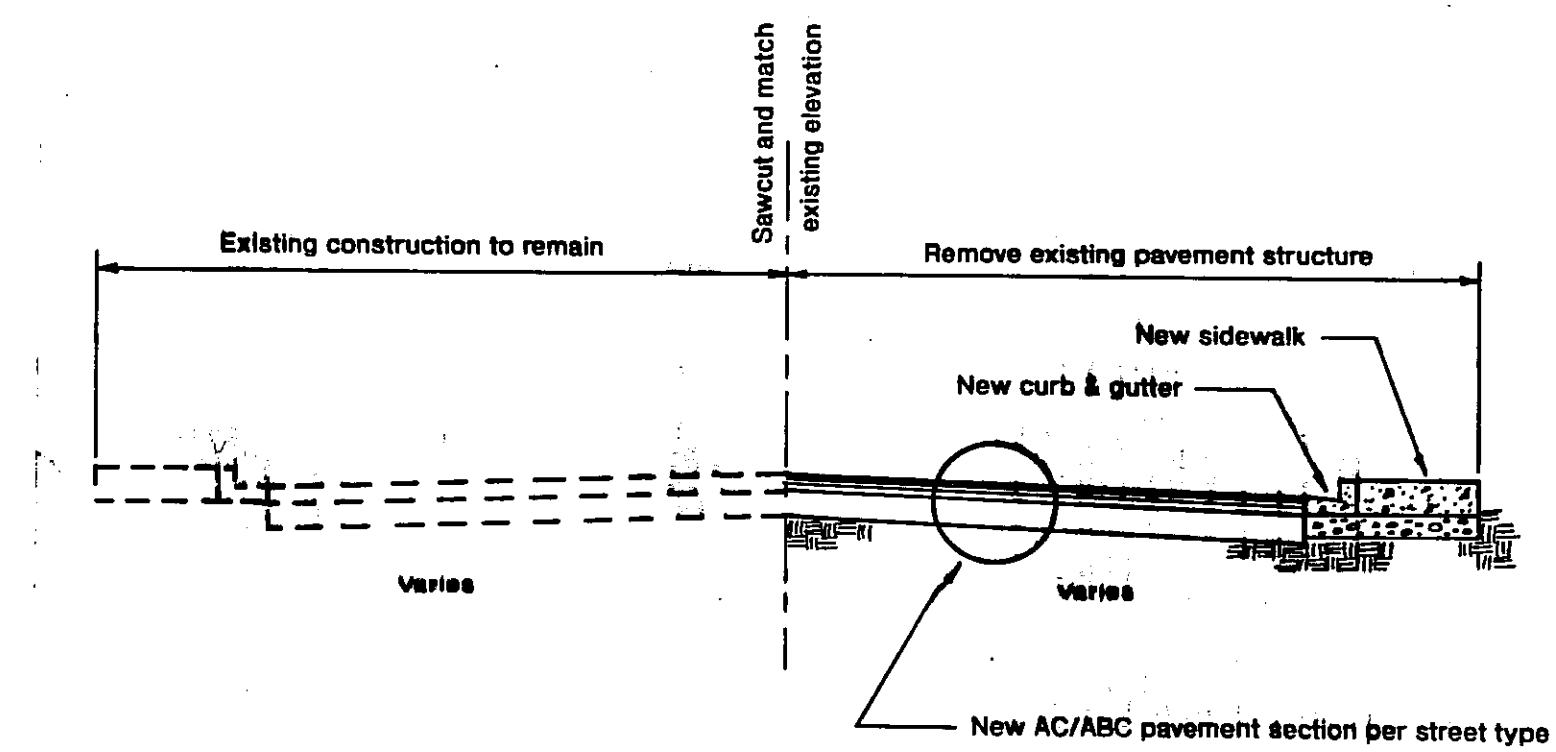
2 Type IV-A Street Detail
2 Not To Scale



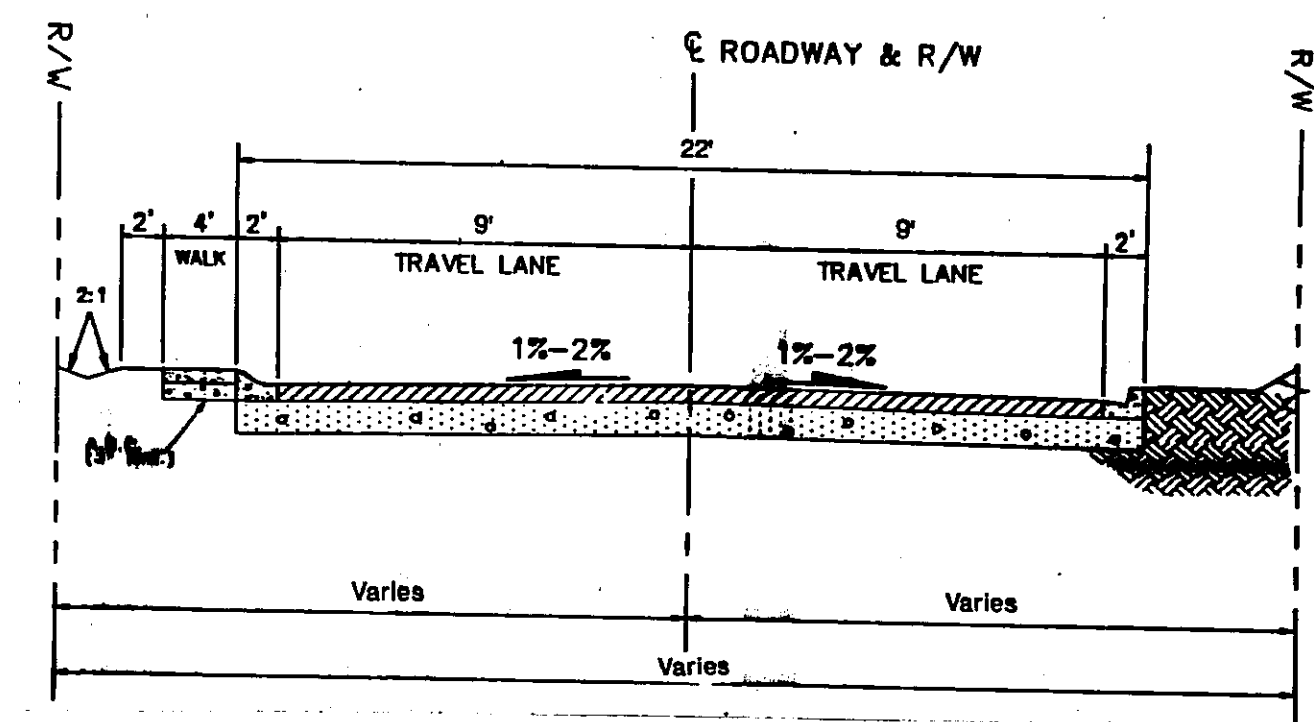
3 Type IV-B Street Detail
2 Not To Scale



4 Right-of-Way Cutoff Detail
2 Not To Scale

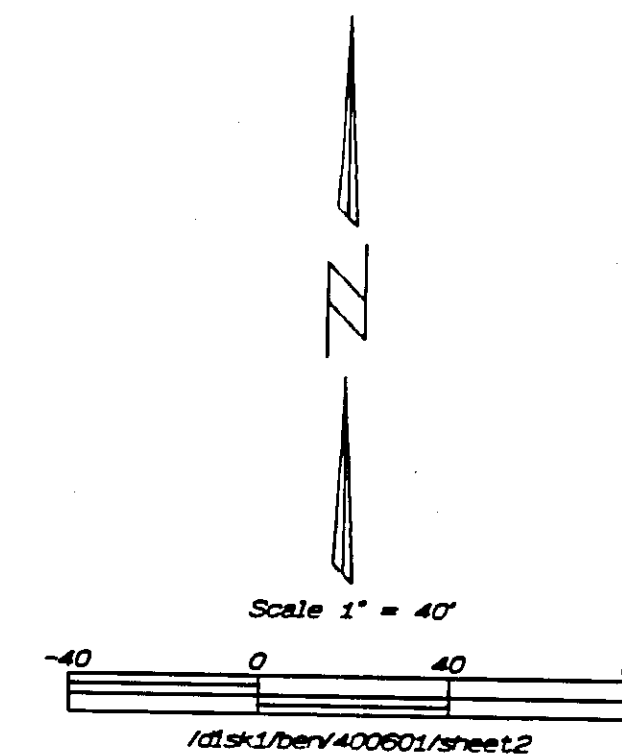


5 Matchup Paving Detail
2 Not To Scale



6 Mountain View Avenue
2 Not to Scale

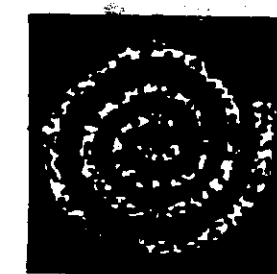
Revisions:	Date:	By:



NOTE: These drawings represent preliminary and conceptual engineering only. They are not intended to be used for construction.

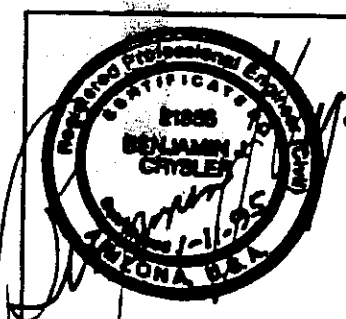
It is the intent of the City of Flagstaff to remove existing pavement only where it is necessary to do so in order to provide proper drainage.

The cost of required storm drain pipe and of the drainage facilities will not be assessed, but will be paid for entirely by the City of Flagstaff.



**ARIZONA
ENGINEERING
COMPANY**

Civil and Environmental Engineering
Land Surveying
419 North San Francisco Street
Flagstaff, Arizona 86001-4004
Telephone (802) 774-7170
Facsimile (802) 770-1041

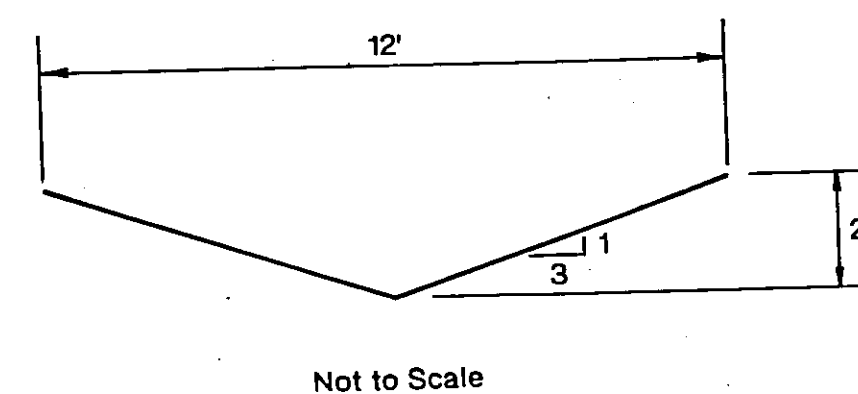


Project Concept
Street Detail Sheet
Sunrise Improvement District

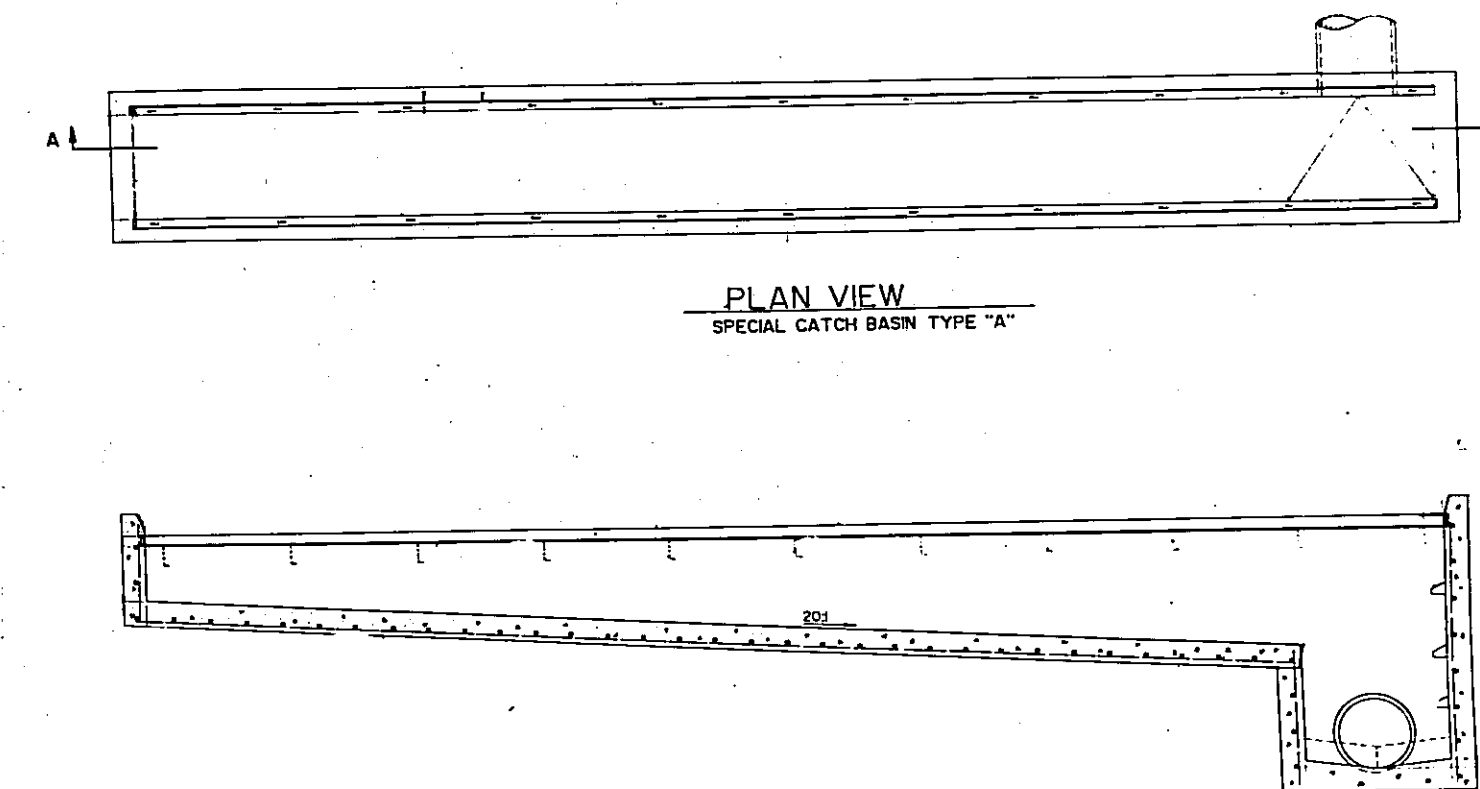
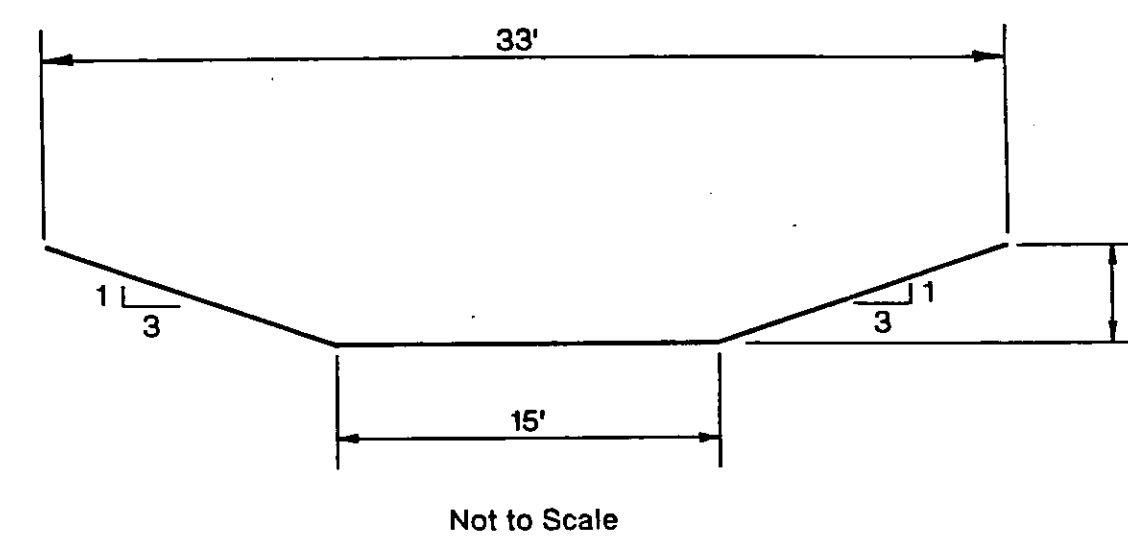
Scale: N/A	Date: 11-8-94	Job No: 400601	Sheet 2 of 26
By: BUC	CKD:	Drawing No: N/A	

NOTE: These drawings represent preliminary and conceptual engineering only. They are not intended to be used for construction.

Typical Section for channel along Isabel Street
from 4th Avenue to Maple Avenue



Typical Section for Spruce Avenue Wash
from Cedar Avenue to 6th Avenue



SECTION A-A

1 V-Ditch Cross Section
3 Not To Scale

2 Channel Improvements
3 Not To Scale

3 Transverse Catch Basin
3 Not To Scale

QUANTITY SUMMARY - BASED ON CONCEPTUAL DESIGN

QUANTITY SUMMARY - BASED ON CONCEPTUAL DESIGN																												
DESCRIPTION	QUANTITIES																											
	Sheet 4	Sheet 5	Sheet 6	Sheet 7	Sheet 8	Sheet 9	Sheet 10	Sheet 11	Sheet 12	Sheet 13	Sheet 14	Sheet 15	Sheet 16	Sheet 17	Sheet 18	Sheet 19	Sheet 20	Sheet 21	Sheet 22	Sheet 23	Sheet 24	Sheet 25	Sheet 26	TOTALS	Units			
Mobilization, Administration, and Traffic Control																									1	SY		
Miscellaneous Removals	8,070	13,370	10,130	13,775	9,495	11,380	13,545	5,100	2,750	14,485	12,680	5,845	19,070	20,650	11,900	31,750	20,975	8,540	9,960	21,565	7,050	4,866	10,690	287,641	1	LS		
Utility Relocation																										SY		
3" AC / 6" ABC (Note 1)	980		730				10,085			1,860			4,220				4,530			7,010			2,331	1,060	32,966	SY		
4" AC / 8" ABC (Note 2)	5,160	9,975	6,770	9,850	7,185	8,340		3,825	2,310	8,940	9,595	4,410	10,235	15,450	8,925	9,695	15,635	6,430			16,105	5,375	1,176	6,795	172,181	SY		
Concrete Curb & Gutter	2,920	5,110	3,960	4,875	3,470	4,633	4,875	1,915	1,010	5,180	4,545	1,945	7,245	7,485	4,315	7,130	7,740	3,085	4,780	7,560	2,535	2,781	4,245	103,339	LF			
Portland Cement Concrete Sidewalk	13,120	20,310	16,435	21,020	13,830	18,535	20,585	7,660	4,040	22,840	18,180	12,890	27,240	29,940	23,575	30,620	30,960	19,435	19,115	32,625	10,125	6,655	17,060	436,795	SF			
Concrete Valley Gutter				815			814					814		2,849	1,630		2,445	815							10,182	SF		
Excavation (Note 3)	2,242	3,714	2,814	3,826	2,638	3,161	3,763	1,417	764	4,024	3,522	1,624	5,297	5,736	3,306	8,819	5,826	2,372	2,767	5,990	1,958	1,352	2,969	79,900	CY			
Embankment (Note 4)	224	371	281	383	264	316	376		142	76		60	352	162	530	574	331	882	583	237	277	599	196	135	297	7,990	CY	
Minor Storm Drain Culverts (Note 5)																										4	EA	
Major Storm Drain Culverts (Note 6)							130							2	4		10	6			8	5	1	4		4	EA	
Drop Inlet Catch Basins											1															15	EA	
Transverse Catch Basins												3														2	EA	
Storm Drain Manholes														2			5	1		1		1				1	EA	
Storm Drain Junction and Inlet Structures																											245	LF
Concrete Box Culvert, 10' x 5'		1								80										165							3,327	LF
V-Ditch														805			875										1	LS
Other Channel Improvements		680			750	217					1																	
Detention Basin, Including Property Acquisition																												
New Right-of-Way	1,015	1,155	675	1,015	1,546	675	900	1,125	450	115	790	675	2,140	2,700	1,350	9,705	2,700	1,350	2,688	2,805	4,935	341	3,297	44,147		SF		
Note 1: Type IV-B Streets or Smaller																												
Note 2: Type IV-A Streets or Larger																												
Note 3: Estimated Average 10' Deep Over Street Construction Limits																												
Note 4: Estimated Equal to 10 Per Cent of Excavation Quantity																												
Note 5: Culverts 24" Diameter and Smaller																												
Note 6: Culverts 30" Diameter and Larger																												

4 Quantity Summary
3

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 **Project Concept
Drainage Detail Sheet
Sunnyside Improvement District**

Scale: N/A	Date: 11-8-94	Job No: 400601	Sheet 3 of 26
By: BJC	OKD:	Drawing No: N/A	

FDI.03-91029
FOLDER - 160

Scale 1" = 40'

\\slsk1\server\400601\title.40

Legend

Utility Pole	
Tree	
Sign Post	
Proposed Curb & Gutter and Sidewalk	=====
Existing Curb & Gutter and Sidewalk	-----
Proposed Right-of-Way Acquisition	
Existing Right-of-Way	-----
Match Existing Limits	-----
Private Improvements	-----
Drainage Structures	
Proposed Storm Drain / Culverts	-----
Existing Storm Drain / Culverts	-----
Proposed Catch Basin	
M.A.G. Type D	■
A.D.O.T. C-15.70 Type 4	●
Existing Catch Basin	■
V-Ditch / Channel Improvements	-----

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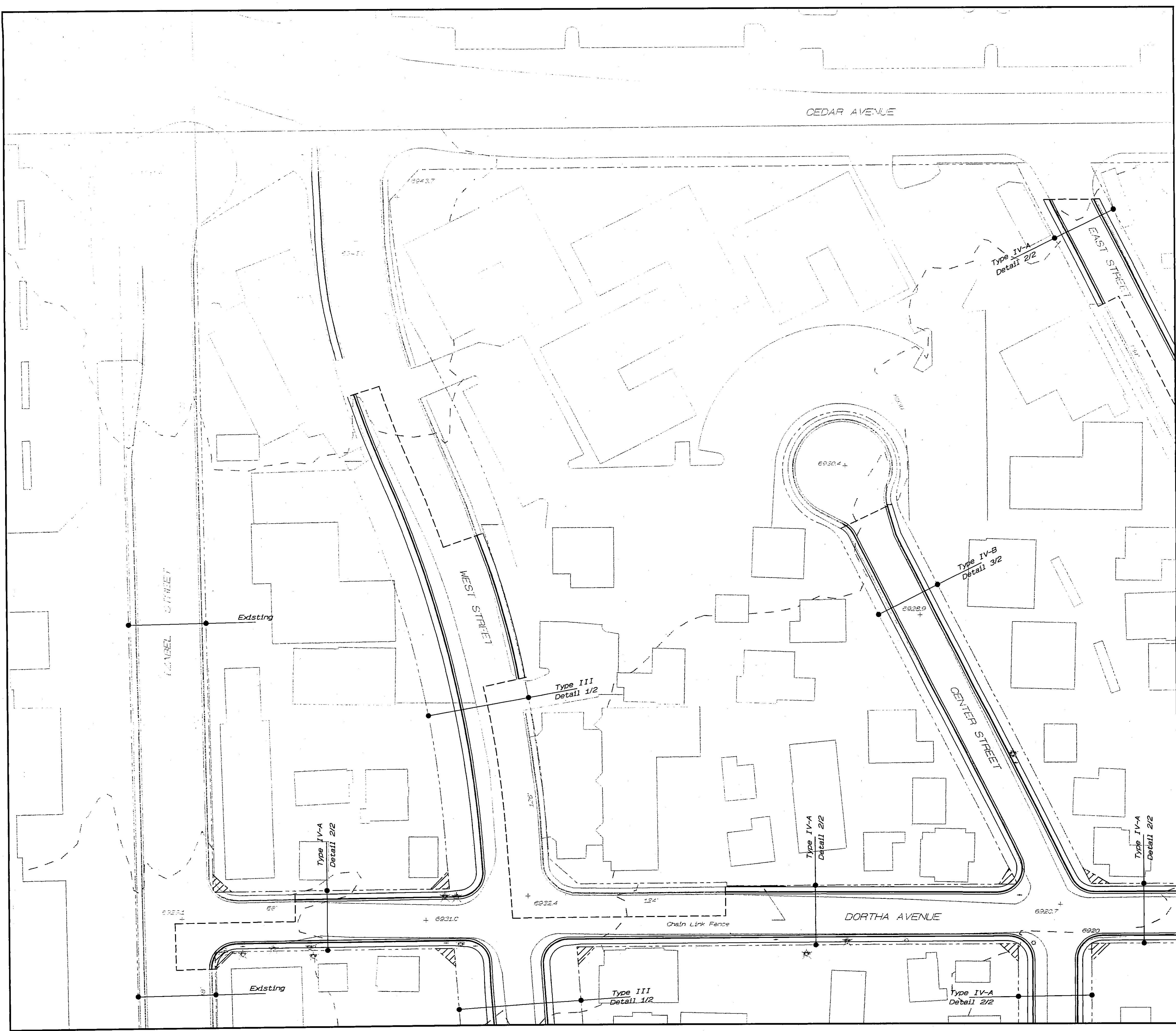
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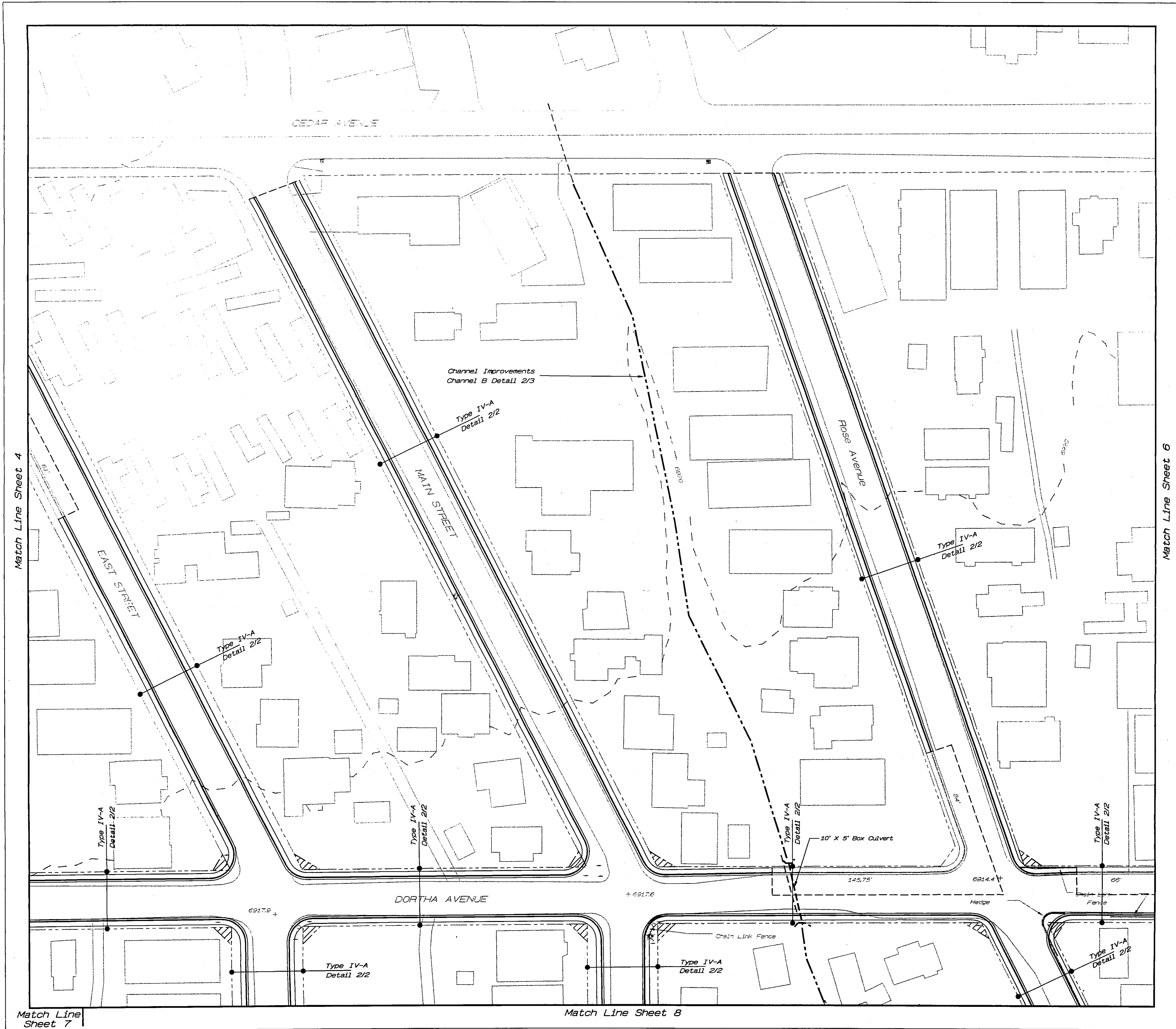
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Project Concept
Planned Improvements
Summerville Improvement District

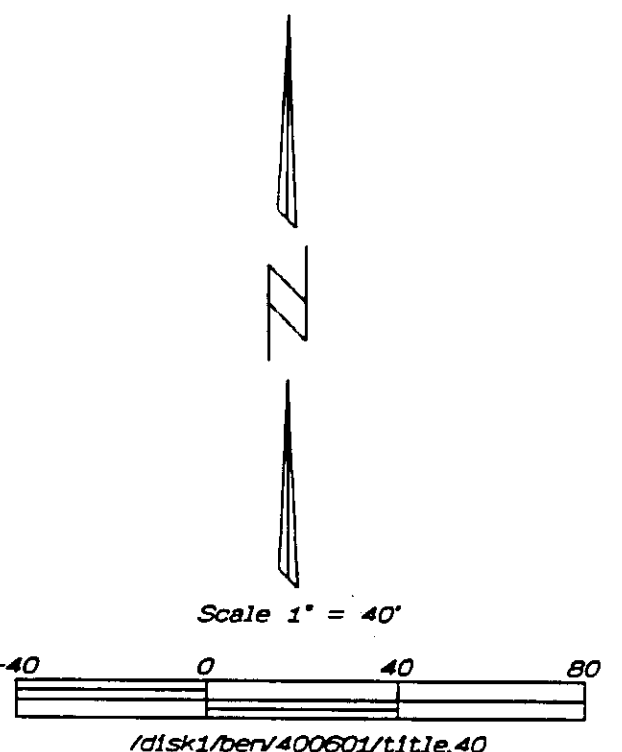
Scale: 1" = 40'	Date: 11-4-94	Job No: 400601	Sheet 4 of 26
By: DLB	CHK: BJC	Drawing No: N/A	

FILED 03-91029
FOLDER - 160





Revisions:	Date:	By:



Legend

Utility Pole	
Tree	
Sign Post	
Proposed Curb & Gutter and Sidewalk	=====
Existing Curb & Gutter and Sidewalk	-----
Proposed Right-of-Way Acquisition	
Existing Right-of-Way	-----
Match Existing Limits	-----
Private Improvements	-----
Drainage Structures	
Proposed Storm Drain / Culverts	-----
Existing Storm Drain / Culverts	-----
Proposed Catch Basin	
M.A.G. Type D	■
A.D.O.T. C-15.70 Type 4	●
Existing Catch Basin	■
V-Ditch / Channel Improvements	-----

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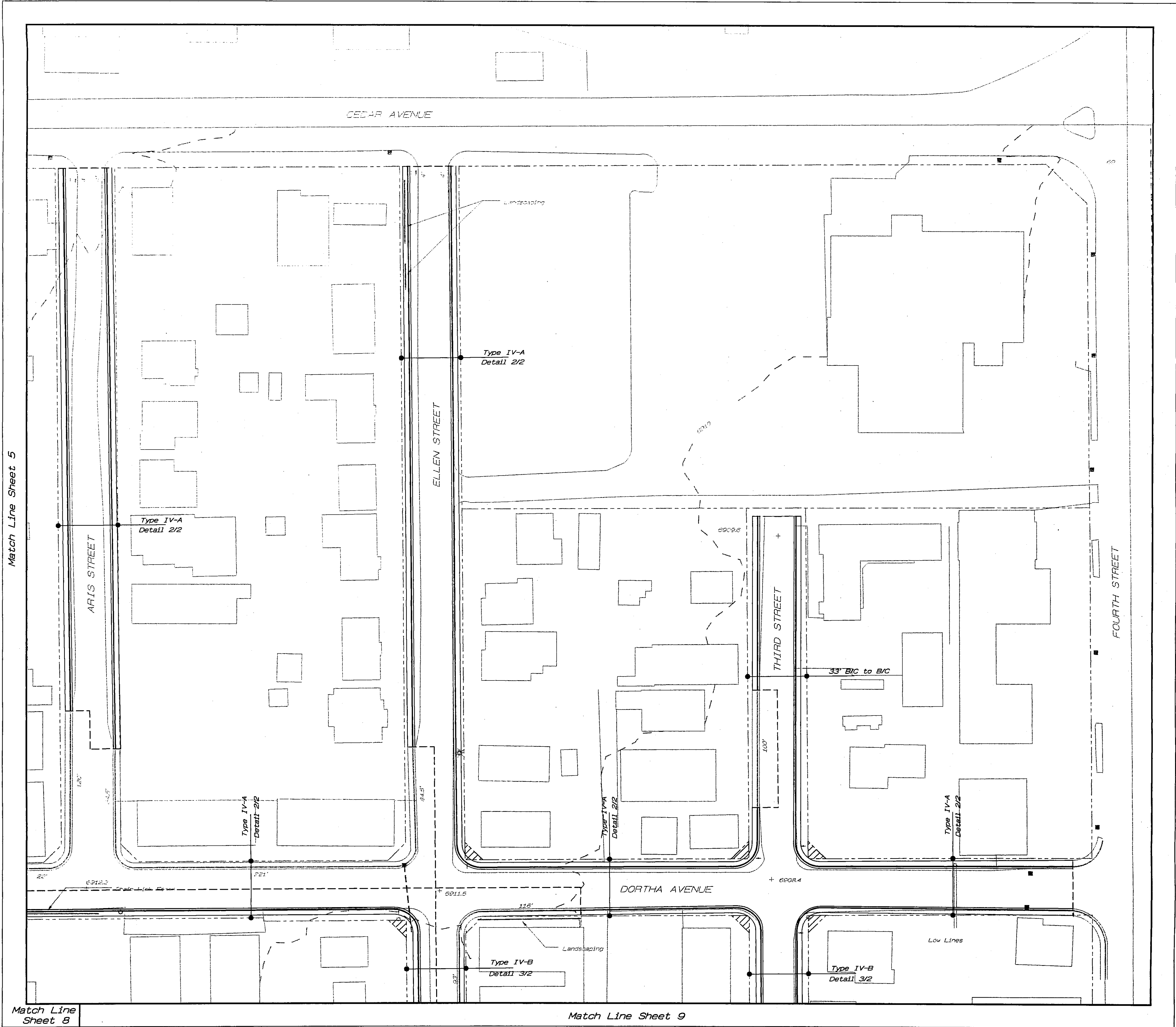
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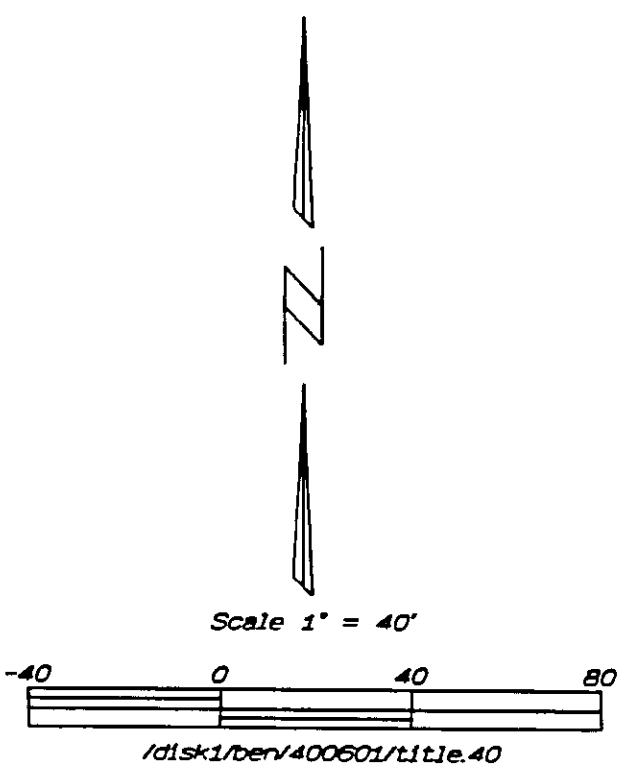
Project Concept
Planned Improvements
Sunnyside Improvement District

Scale: 1" = 40'	Date: 11-4-94	Job No: 400601	Sheet 5 of 26
By: DLB	CKD: BJC	Drawing No: N/A	

PRJ: 03-91029
FOLDER 169



	Revisions:	Date:	By:



Legend

- Utility Pole
- Tree
- Sign Post
- Proposed Curb & Gutter and Sidewalk
- Existing Curb & Gutter and Sidewalk
- Proposed Right-of-Way Acquisition
- Existing Right-of-Way
- Match Existing Limits
- Private Improvements
- Drainage Structures
- Proposed Storm Drain / Culverts
- Existing Storm Drain / Culverts
- Proposed Catch Basin
- M.A.G. Type D
- A.D.O.T. C-15.70 Type 4
- Existing Catch Basin
- V-Ditch / Channel Improvements

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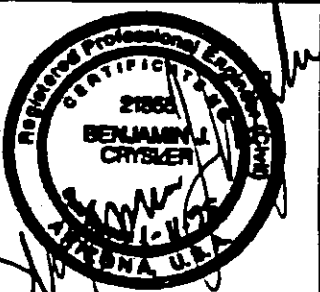
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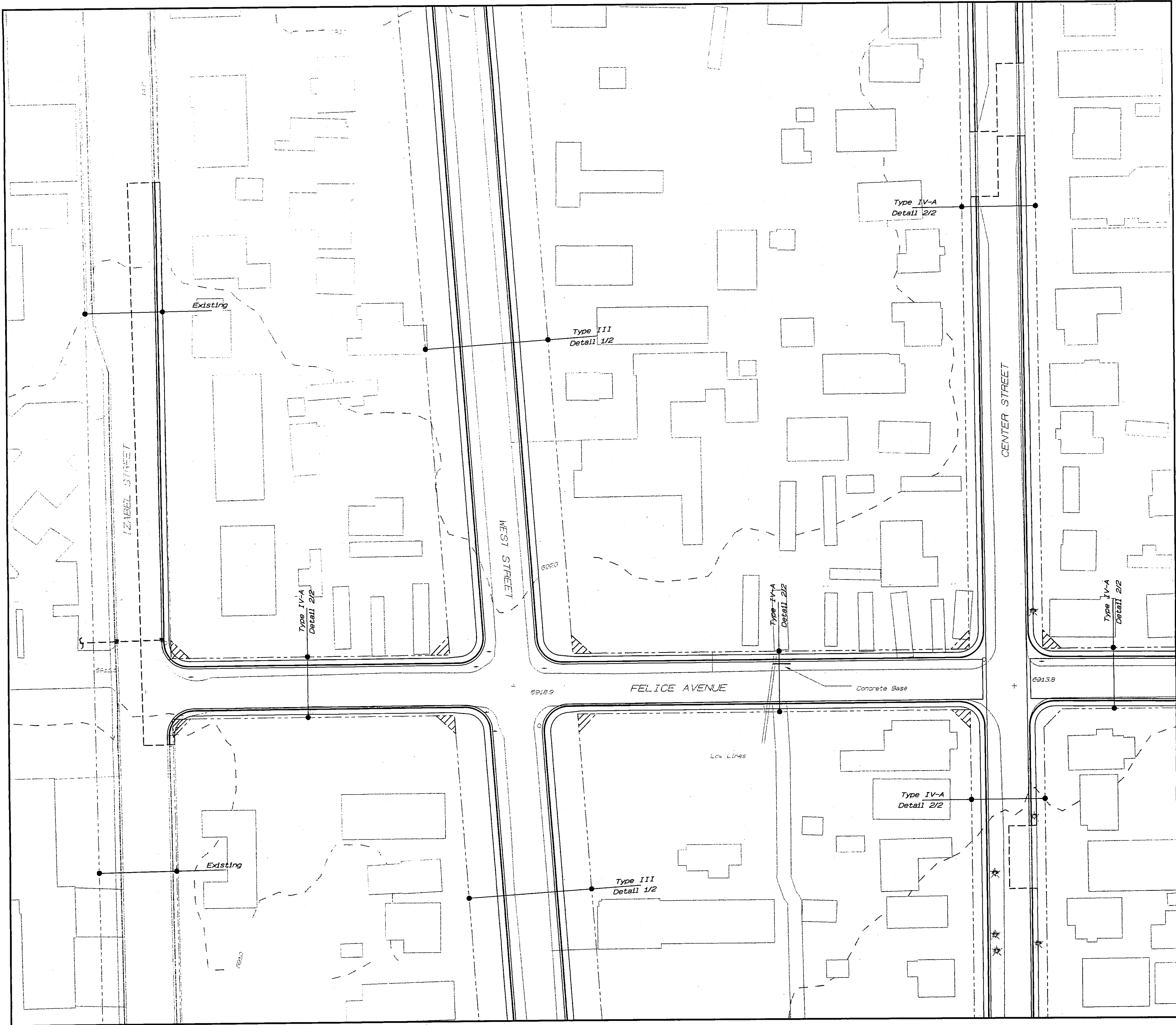
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Project Concept			
Planned Improvements			
Sunnyside Improvement District			
Scale: 1" = 40'	Date: 11-4-94	Job No: 400601	Sheet 6 of 26
By: DLB	CKD: BJC	Drawing No: N/A	

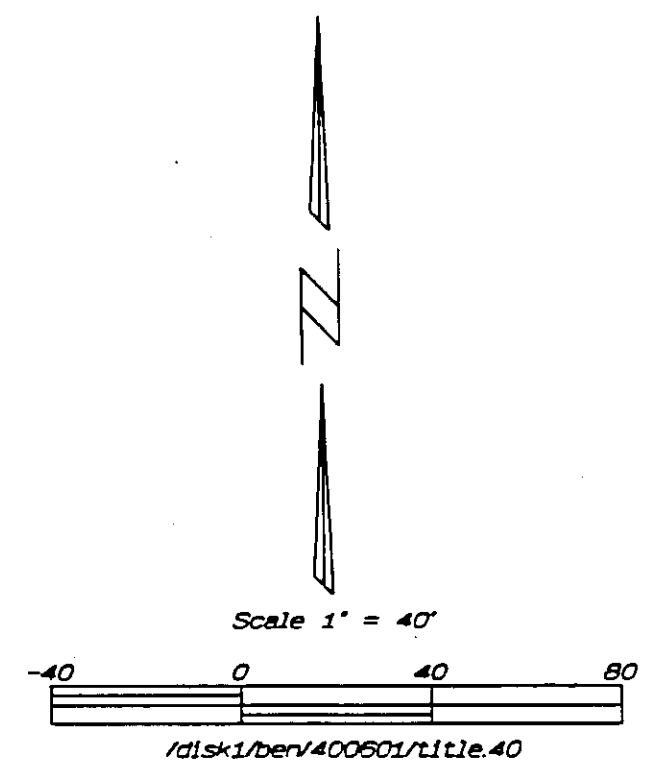


Match Line Sheet 8

Match Line Sheet 9



Revisions:	Date:	By:



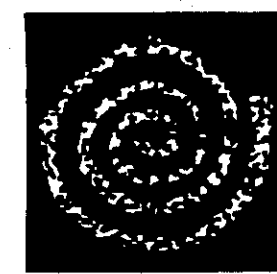
Legend

Utility Pole	—●—
Tree	—○—
Sign Post	—■—
Proposed Curb & Gutter and Sidewalk	=====
Existing Curb & Gutter and Sidewalk	-----
Proposed Right-of-Way Acquisition	
Existing Right-of-Way	-----
Match Existing Limits	-----
Private Improvements	-----
Drainage Structures	-----
Proposed Storm Drain / Culverts	-----
Existing Storm Drain / Culverts	-----
Proposed Catch Basin	-----
M.A.G. Type D	■
A.D.O.T. C-15.70 Type 4	●
Existing Catch Basin	■
V-Ditch / Channel Improvements	-----

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**Project Concept
Planned Improvements
Sunnyside Improvement District**

Scale: 1" = 40'	Date: 11-4-94	Job No: 400601	Sheet: 7 of 26
By: DLB	CHK: BJC	Drawing No: N/A	

PROJ. 03-91029
FOLDER 160

Match Line Sheet 5

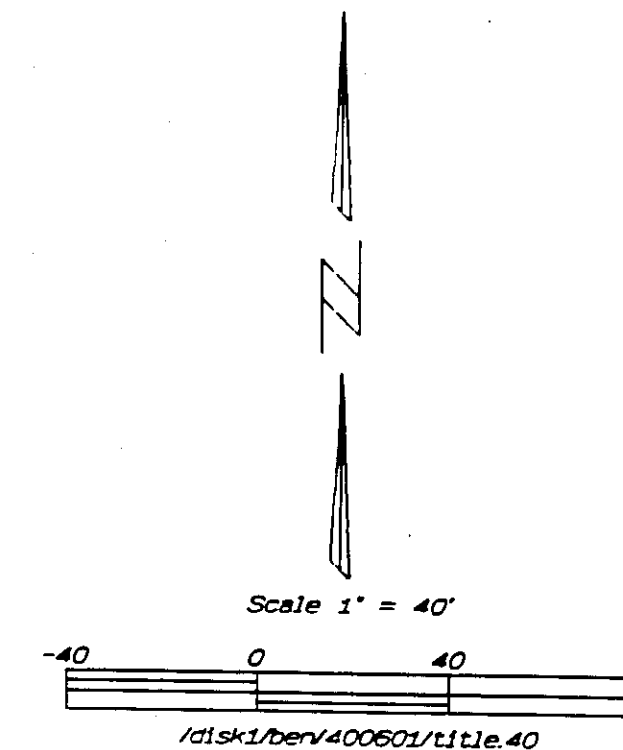
Match Line Sheet 6

Match Line Sheet 7

Match Line Sheet 9

Match Line Sheet 11

Revisions:	Date:	By:



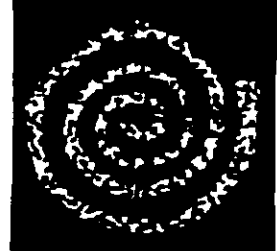
Legend

Utility Pole	
Tree	
Sign Post	
Proposed Curb & Gutter and Sidewalk	=====
Existing Curb & Gutter and Sidewalk	-----
Proposed Right-of-Way Acquisition	
Existing Right-of-Way	-----
Match Existing Limits	-----
Private Improvements	-----
Drainage Structures	
Proposed Storm Drain / Culverts	-----
Existing Storm Drain / Culverts	-----
Proposed Catch Basin	
M.A.G. Type D	■
A.D.O.T. C-15.70 Type 4	⊙
Existing Catch Basin	■
V-Ditch / Channel Improvements	-----

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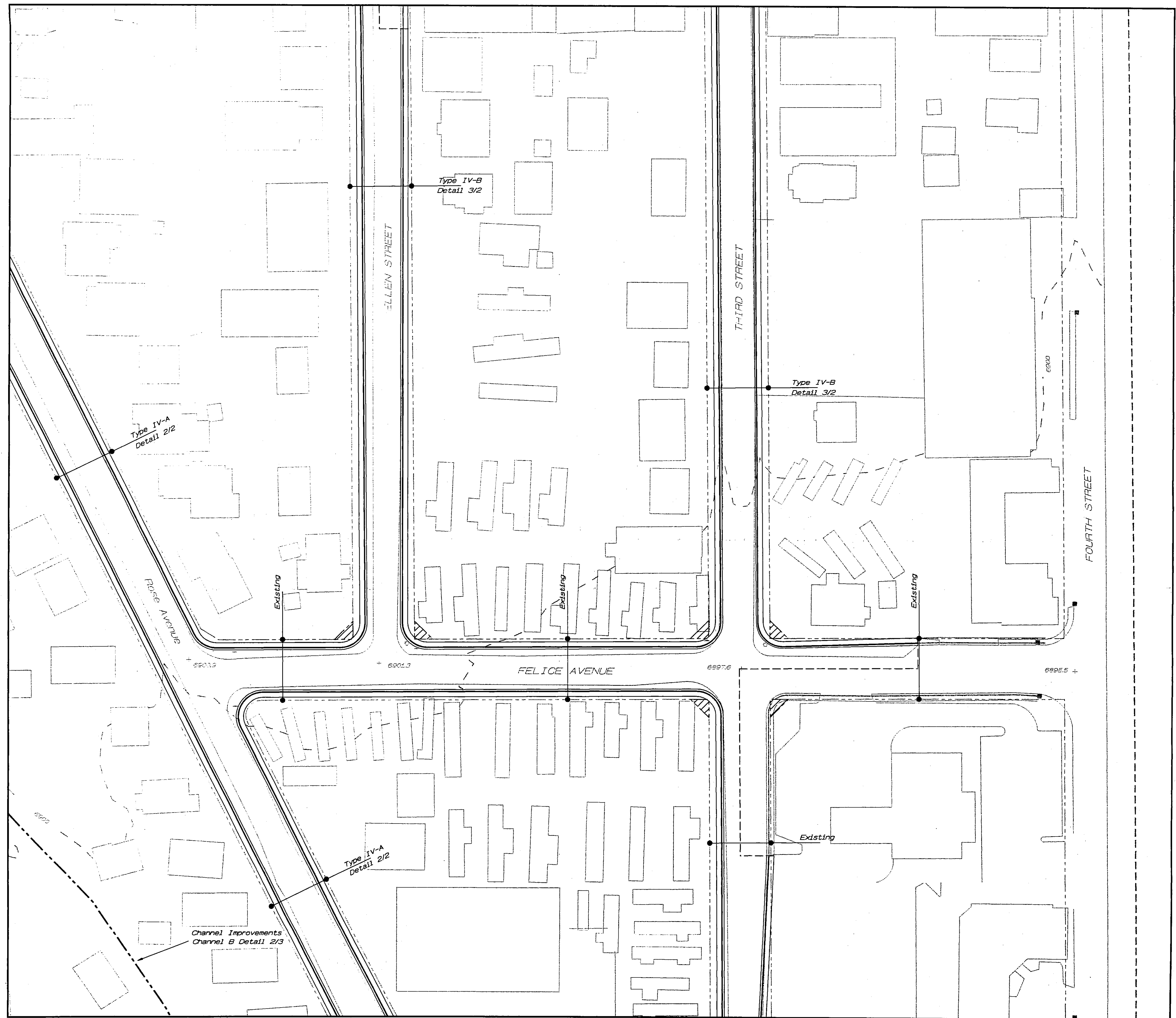
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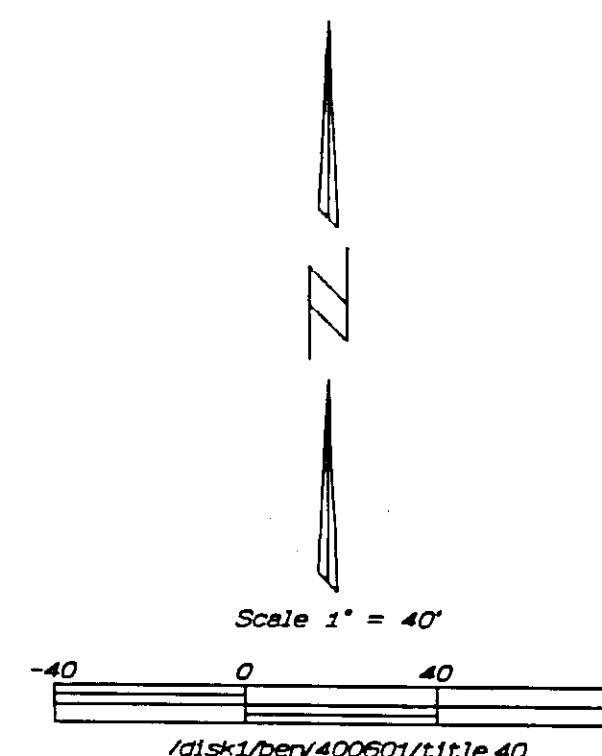
Project Concept
Planned Improvements
Sunnyside Improvement District

Scale: 1" = 40' Date: 11-4-94 Job No: 400601 Sheet 8 of 26
By: DLB CKD: BJC Drawing No: N/A

PRJ 03-91029
Folder 160



Revisions:	Date:	By:



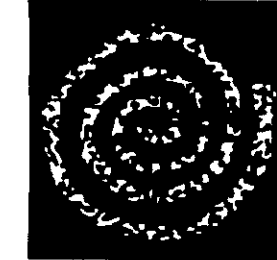
Legend

Utility Pole	—●—
Tree	—○—
Sign Post	—■—
Proposed Curb & Gutter and Sidewalk	=====
Existing Curb & Gutter and Sidewalk	-----
Proposed Right-of-Way Acquisition	
Existing Right-of-Way	-----
Match Existing Limits	-----
Private Improvements	-----
Drainage Structures	-----
Proposed Storm Drain / Culverts	-----
Existing Storm Drain / Culverts	-----
Proposed Catch Basin	-----
M.A.G. Type D	■
A.D.O.T. C-15.70 Type 4	●
Existing Catch Basin	■
V-Ditch / Channel Improvements	-----

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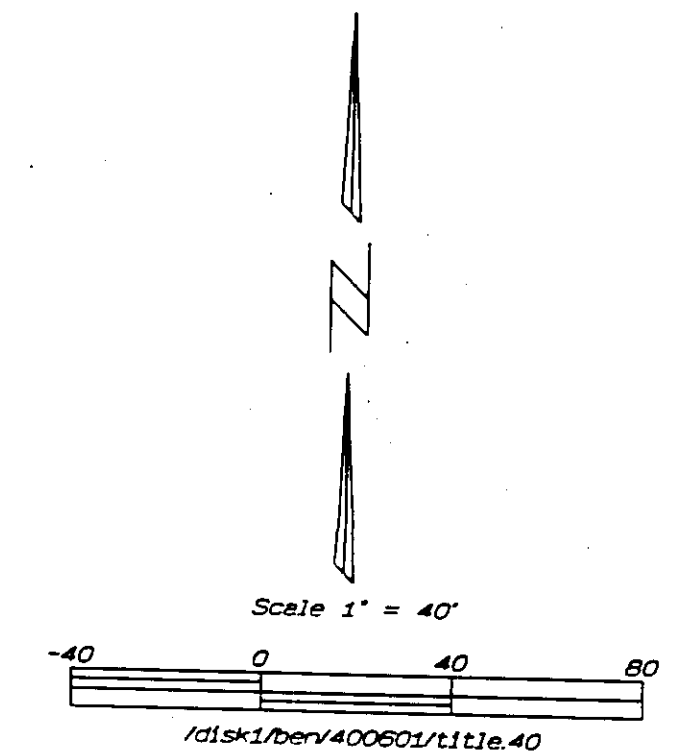


Project Concept
Planned Improvements
Sunnyside Improvement District

Scale: 1" = 40'	Date: 11-4-94	Job No: 400601	Sheet 9 of 26
By: DLB	CHK: BJC	Drawing No: N/A	



	Revisions:	Date:	By:



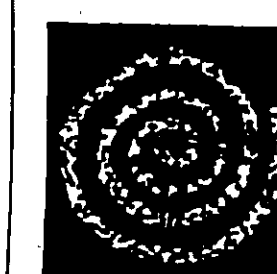
Legend

Utility Pole	
Tree	
Sign Post	
Proposed Curb & Gutter and Sidewalk	
Existing Curb & Gutter and Sidewalk	
Proposed Right-of-Way Acquisition	
Existing Right-of-Way	
Match Existing Limits	
Private Improvements	
Drainage Structures	
Proposed Storm Drain / Culverts	
Existing Storm Drain / Culverts	
Proposed Catch Basin	
M.A.G. Type D	
A.D.O.T. C-15.70 Type 4	
Existing Catch Basin	
V-Ditch / Channel Improvements	

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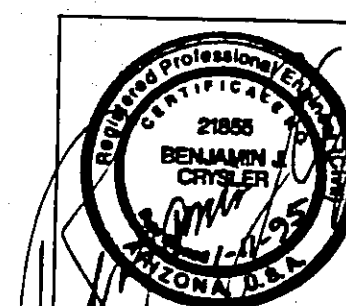
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Project Concept
Planned Improvements
Summerville Improvement District

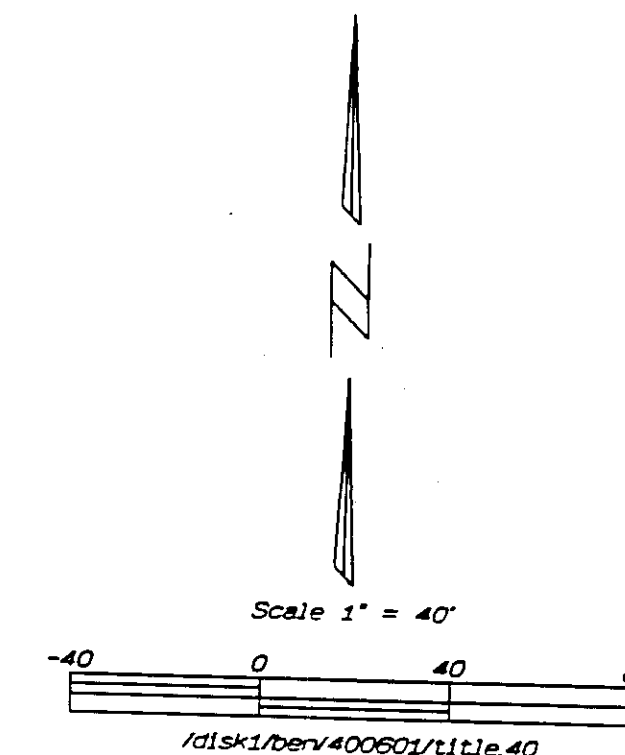
Scale: 1" = 40'	Date: 11-4-94	Job No: 400601	Sheet 10 of 26
By: DLB	CD: EUC	Drawing No: N/A	

FILED 03-91029
FOLDER 160

Match Line Sheet 10

Match Line Sheet 12

	Revisions:	Date:	By:



Legend

- Utility Pole
- Tree
- Sign Post
- Proposed Curb & Gutter and Sidewalk
- Existing Curb & Gutter and Sidewalk
- Proposed Right-of-Way Acquisition
- Existing Right-of-Way
- Match Existing Limits
- Private Improvements
- Drainage Structures
- Proposed Storm Drain / Culverts
- Existing Storm Drain / Culverts
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- M.A.G. Type D
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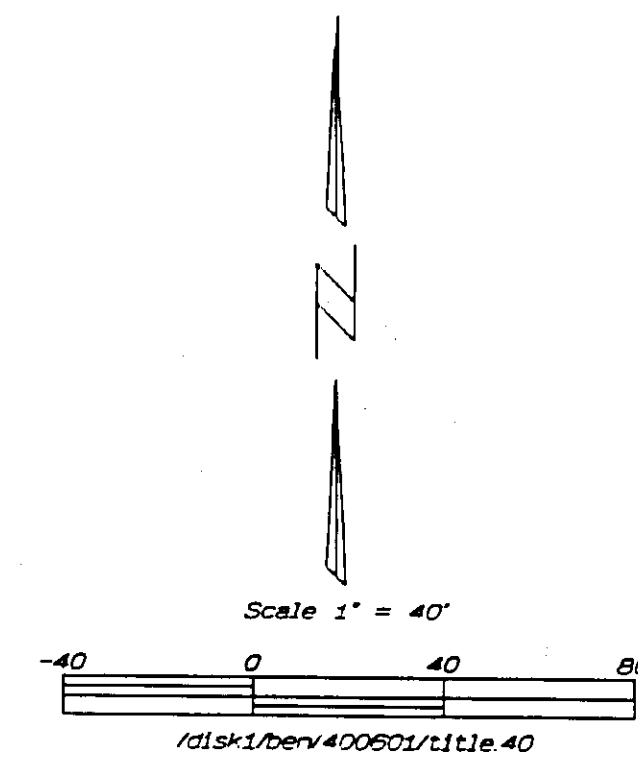
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Project Concept Planned Improvements Sunnyside Improvement District			
Scale: 1" = 40'	Date: 11-4-94	Job No: 400801	Sheet 11 of 26
By: DLB	CKD: EJC	Drawing No: NA	
PROJ. 03-91026 FOLDER 160			

	Revisions:	Date:	By:



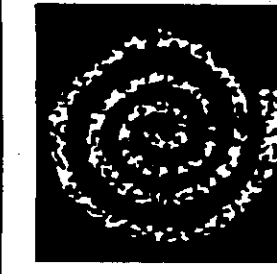
Legend

Utility Pole	
Tree	
Sign Post	
Proposed Curb & Gutter and Sidewalk	=====
Existing Curb & Gutter and Sidewalk	-----
Proposed Right-of-Way Acquisition	
Existing Right-of-Way	-----
Match Existing Limits	-----
Private Improvements	-----
Drainage Structures	
Proposed Storm Drain / Culverts	-----
Existing Storm Drain / Culverts	-----
Proposed Catch Basin	
M.A.G. Type D	■
A.D.O.T. C-15.70 Type 4	●
Existing Catch Basin	■
V-Ditch / Channel Improvements	-----

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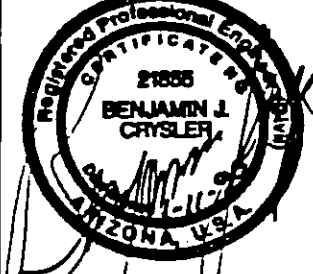
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Project Concept
Planned Improvements
Sunnyside Improvement District

Scale: 1" = 40'	Date: 11-4-94	Job No: 4006501	Sheet
By: DLB	CKD: BJC	Drawing No: N/A	12 of 26

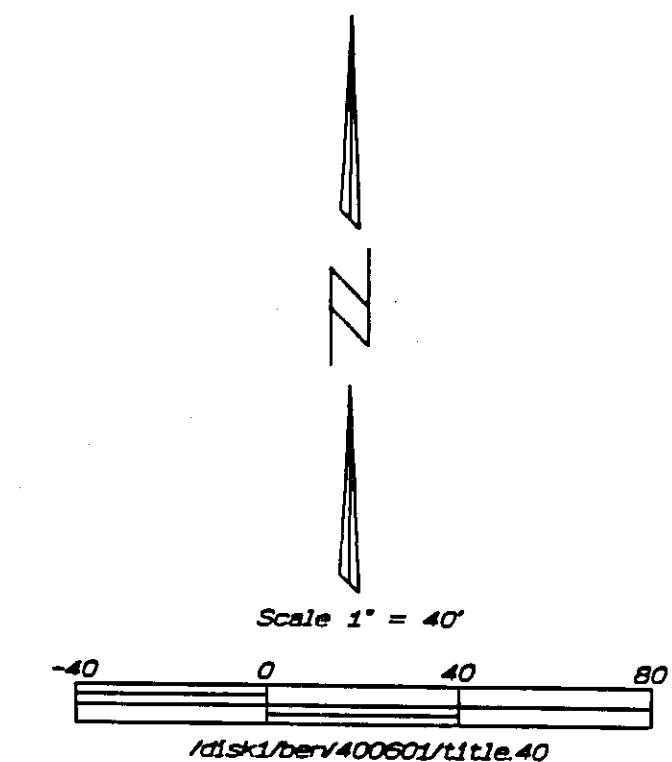
PEAT 03-91029
FOLDER 160

Match Line Sheet 11

CP-14513



Revisions:	Date:	By:



Legend

Utility Pole	—●—
Tree	—●—
Sign Post	—●—
Proposed Curb & Gutter and Sidewalk	=====
Existing Curb & Gutter and Sidewalk	-----
Proposed Right-of-Way Acquisition	
Existing Right-of-Way	-----
Match Existing Limits	-----
Private Improvements	-----
Drainage Structures	-----
Proposed Storm Drain / Culverts	-----
Existing Storm Drain / Culverts	-----
Proposed Catch Basin	-----
M.A.G. Type D	■
A.D.O.T. C-15.70 Type 4	●
Existing Catch Basin	■
V-Ditch / Channel Improvements	-----

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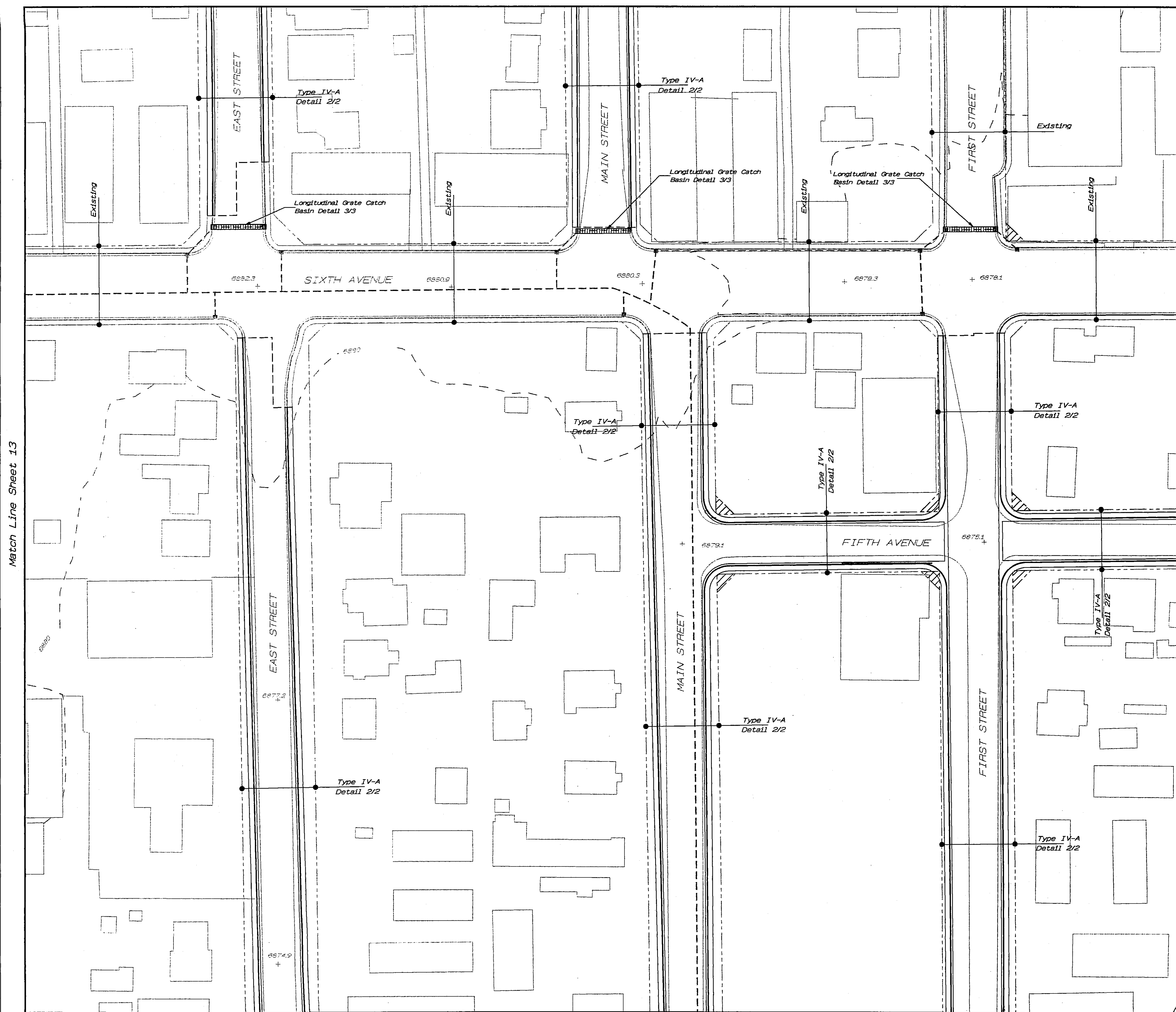
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Project Concept
Planned Improvements
Sunnyside Improvement District

Scale: 1" = 40'	Date: 11-4-94	Job No: 400801	Sheet 13 of 26
By: D.L.B.	CKD: BJC	Drawing No: NA	

PRJ: 03-91029
FOLDER 160



Revisions:	Date:	By:

Scale 1" = 40'

Legend

Utility Pole	○
Tree	★
Sign Post	—
Proposed Curb & Gutter and Sidewalk	=====
Existing Curb & Gutter and Sidewalk	-----
Proposed Right-of-Way Acquisition	
Existing Right-of-Way	-----
Match Existing Limits	-----
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Existing Catch Basin	■
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**Project Concept
Planned Improvements
Summerville Improvement District**

Scale: 1" = 40'	Date: 11-4-94	Job No: 400602	Sheet
By: DLB	CKD: EUC	Drawing No: N/A	14 of 26

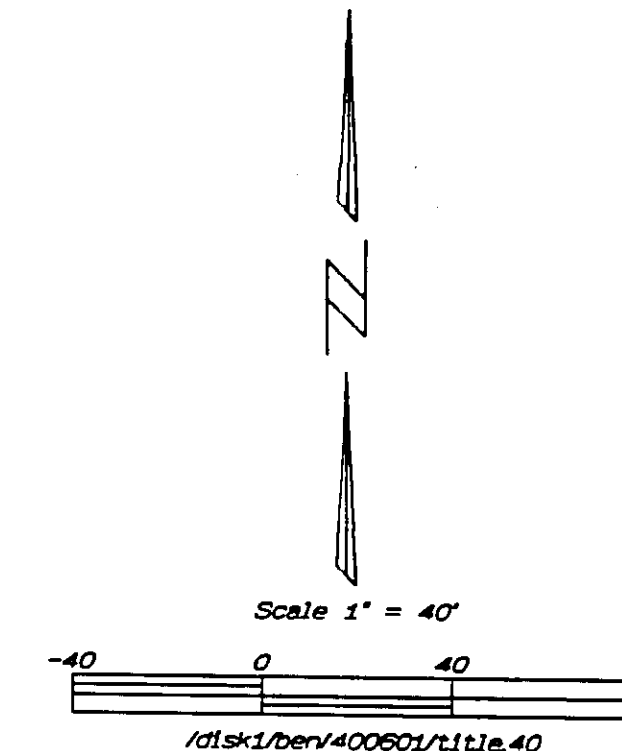
FBI 03-9019
FOLDER 140

0-14515



Match Line Sheet 14

Revisions	Date	By



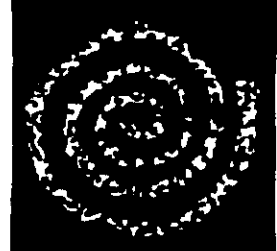
Legend

Utility Pole	—●—
Tree	—○—
Sign Post	—■—
Proposed Curb & Gutter and Sidewalk	=====
Existing Curb & Gutter and Sidewalk	-----
Proposed Right-of-Way Acquisition	=====
Existing Right-of-Way	-----
Match Existing Limits	-----
Private Improvements	-----
Drainage Structures	-----
Proposed Storm Drain / Culverts	-----
Existing Storm Drain / Culverts	-----
Proposed Catch Basin	-----
MAG. Type D	-----
A.D.O.T. C-15.70 Type 4	-----
Existing Catch Basin	-----
V-Ditch / Channel Improvements	-----

VERTICAL DESIGN CONCEPT: Street profiles will be determined to permit matching existing elevations along new back of sidewalk lines. Locations where deviations from this concept are appropriate will be identified during detailed design.

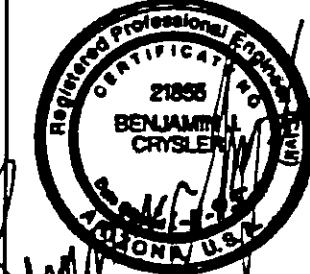
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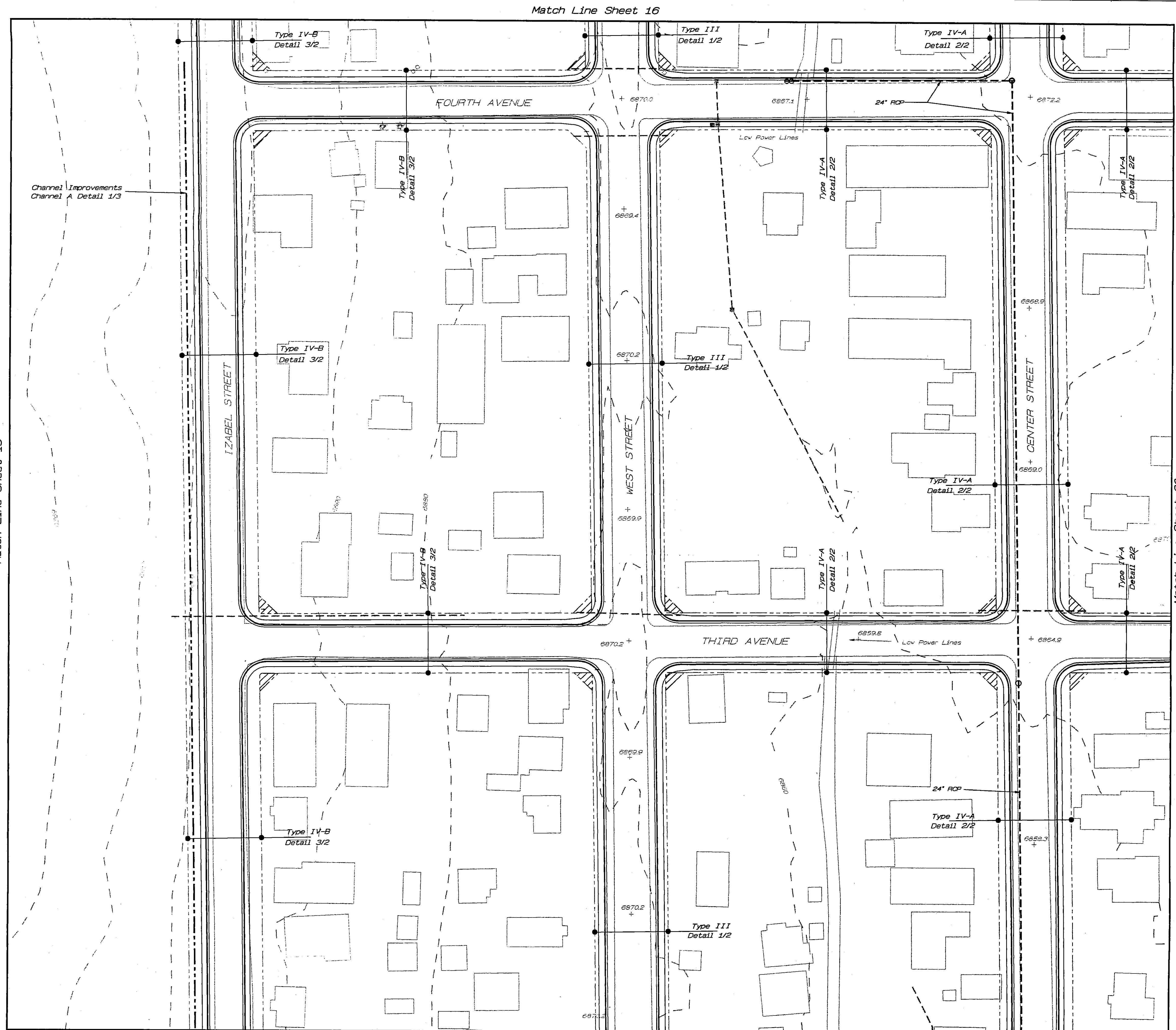
Project Concept
Planned Improvements
Sunrise Improvement District

Scale: 1" = 40' Date: 11-4-94 Job No: 400801 Sheet 15 of 26
By: DLB OKD: BJC Drawing No: N/A

PE&I 03-91029
FOLDER 160

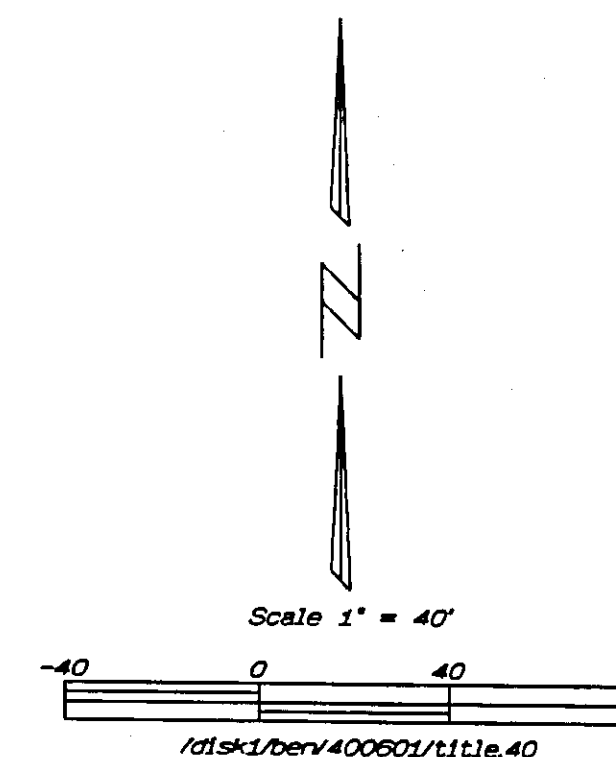
CP-14516

Match Line Sheet 19



Match Line Sheet 23

	Revisions:	Date:	By:



Legend

Utility Pole	
Tree	
Sign Post	
Proposed Curb & Gutter and Sidewalk	
Existing Curb & Gutter and Sidewalk	
Proposed Right-of-Way Acquisition	
Existing Right-of-Way	
Match Existing Limits	
Private Improvements	
Drainage Structures	
Proposed Storm Drain / Culverts	
Existing Storm Drain / Culverts	
Proposed Catch Basin	
M.A.G. Type D	
A.D.O.T. C-15.70 Type 4	
Existing Catch Basin	
V-Ditch / Channel Improvements	

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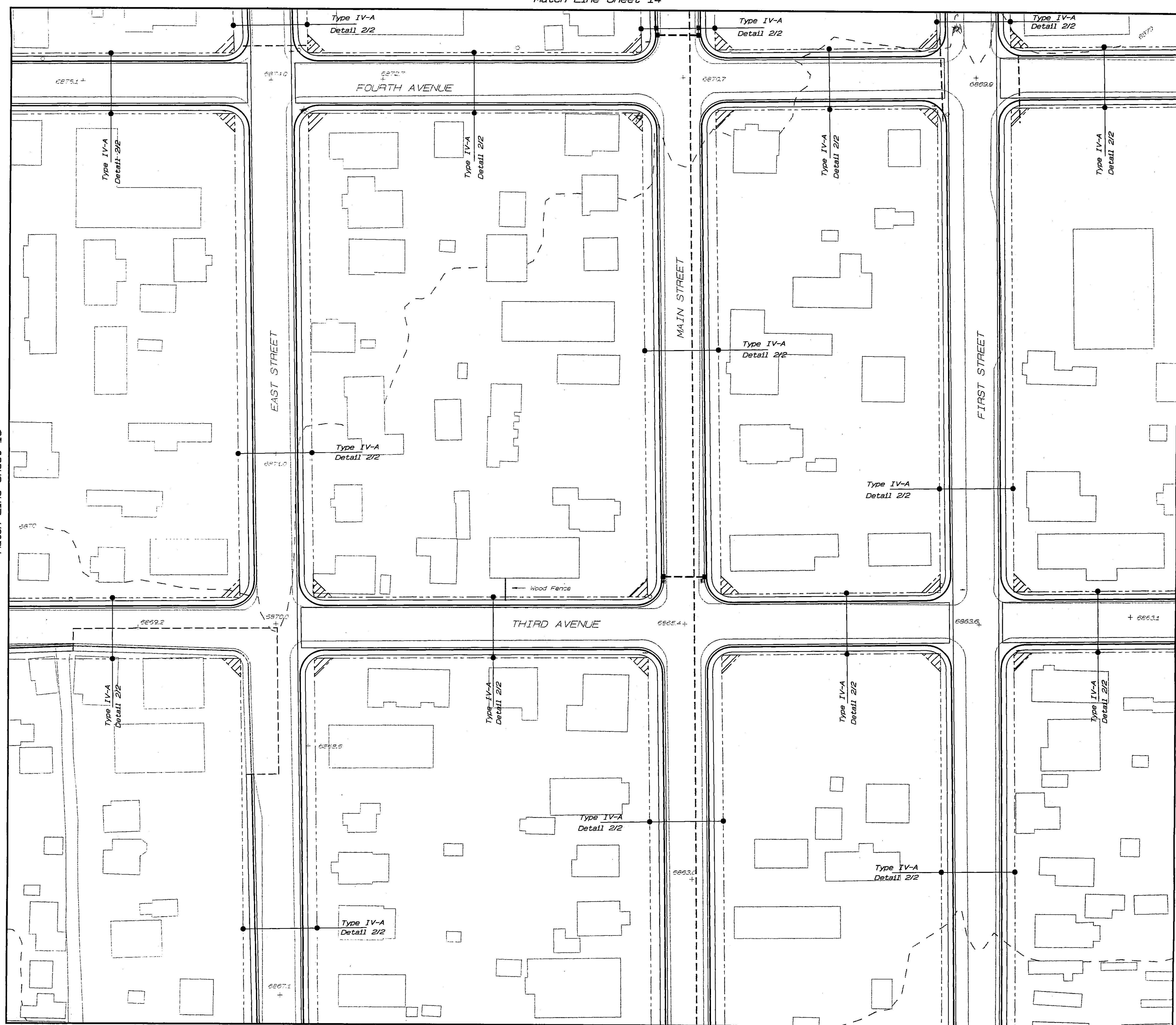
Project Concept
Planned Improvements
Sunnyside Improvement District

Scale: 1" = 40'	Date: 11-4-94	Job No: 400601	Sheet
By: DLB	OK'd: BJC	Drawing No: N/A	16 of 26

PRJ. 03-91029
FOLDER 160

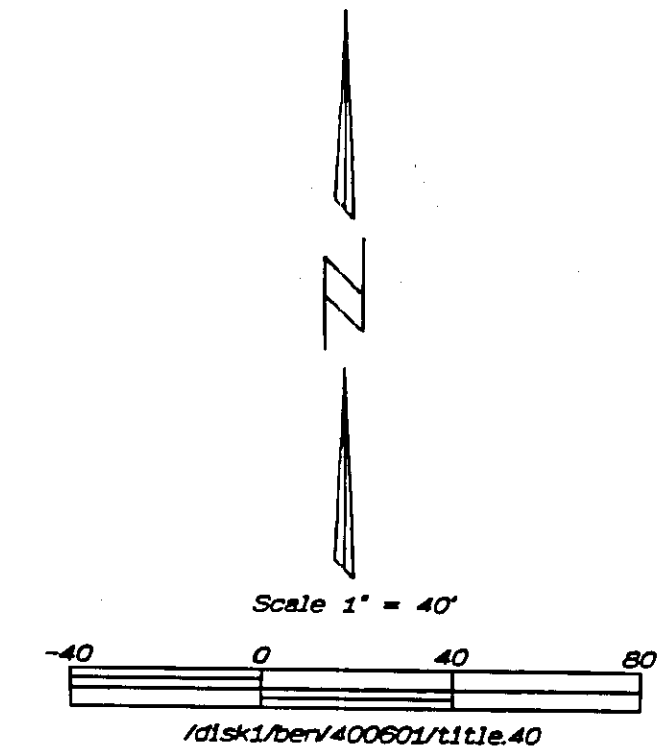
Match Line Sheet 16

Match Line Sheet 14



Match Line Sheet 20

	Revisions:	Date:	By:



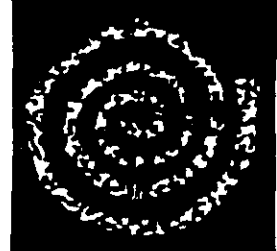
Legend

Utility Pole	
Tree	
Sign Post	
Proposed Curb & Gutter and Sidewalk	
Existing Curb & Gutter and Sidewalk	
Proposed Right-of-Way Acquisition	
Existing Right-of-Way	
Match Existing Limits	
Private Improvements	
Drainage Structures	
Proposed Storm Drain / Culverts	
Existing Storm Drain / Culverts	
Proposed Catch Basin	
M.A.G. Type D	
A.D.O.T. C-15.70 Type 4	
Existing Catch Basin	
V-Ditch / Channel Improvements	

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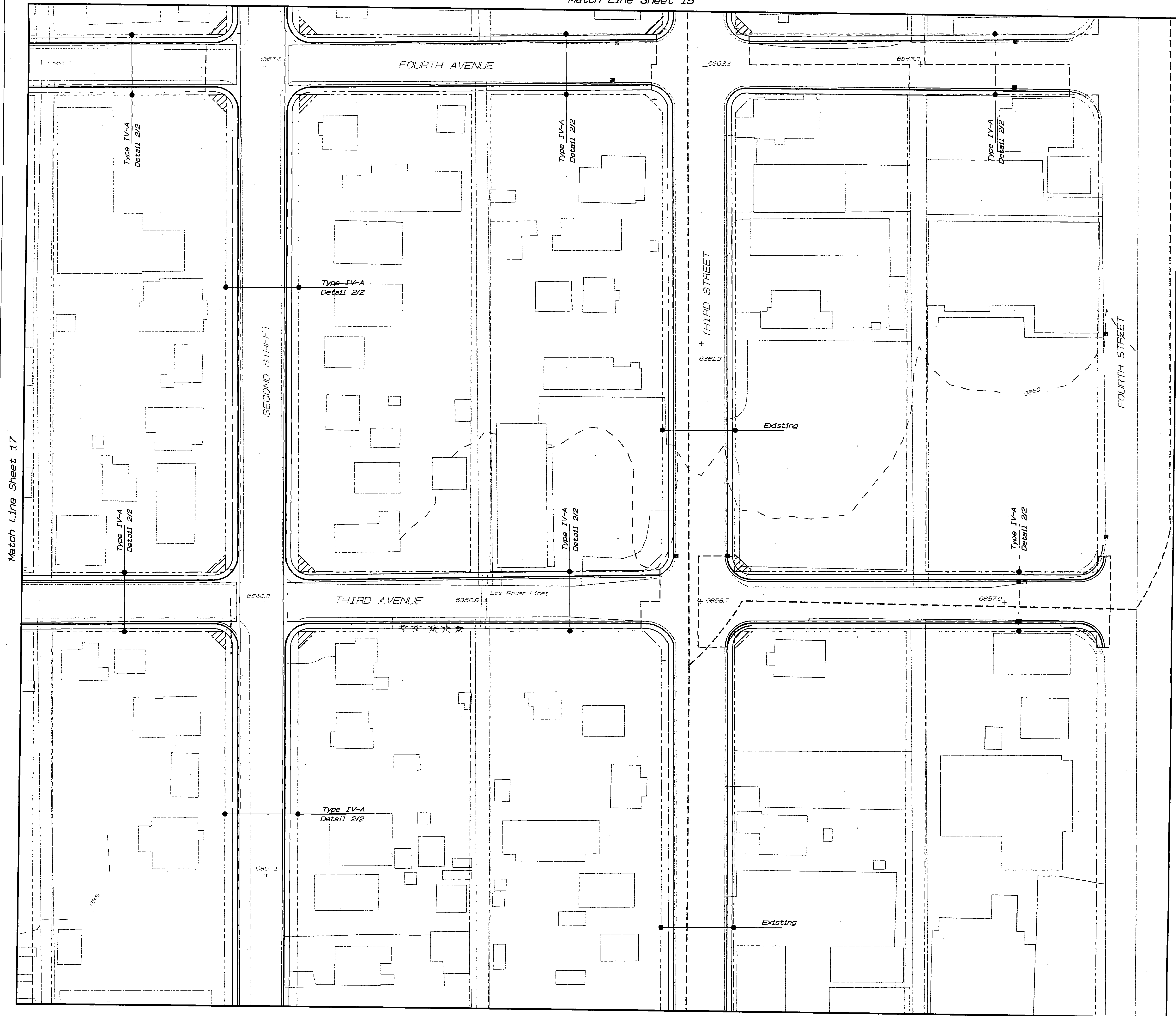


Project Concept
Planned Improvements
Sunnyside Improvement District

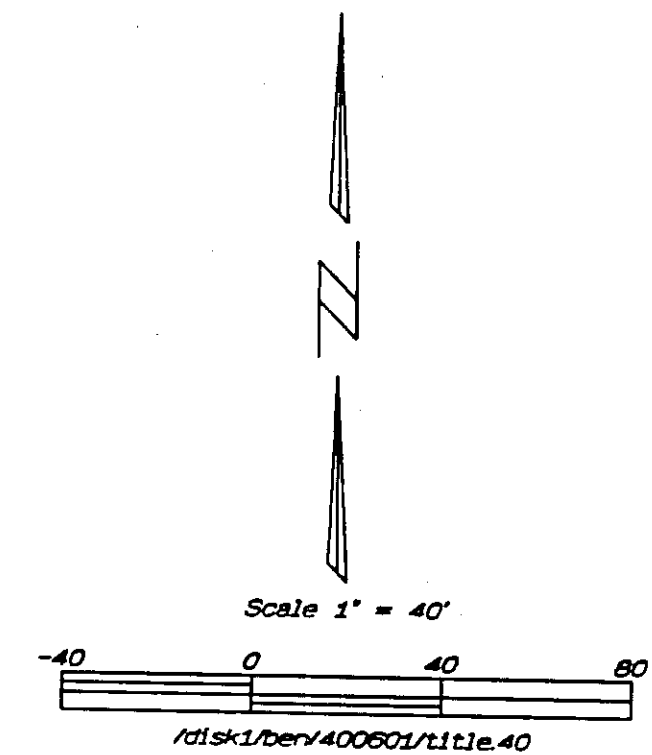
Scale: 1" = 40'	Date: 11-4-94	Job No: 400601	Sheet
By: DLB	CKD: BJC	Drawing No: N/A	17 of 26

PRJ. 03-91029
FOLDER 160

CP-19518



Revisions:	Date:	By:



Legend

Utility Pole	—●—
Tree	—○—
Sign Post	—■—
Proposed Curb & Gutter and Sidewalk	—=—
Existing Curb & Gutter and Sidewalk	—- - - - -
Proposed Right-of-Way Acquisition	—/ / / / /
Existing Right-of-Way	—- - - - -
Match Existing Limits	—- - - - -
Private Improvements	—- - - - -
Drainage Structures	—- - - - -
Proposed Storm Drain / Culverts	—- - - - -
Existing Storm Drain / Culverts	—- - - - -
Proposed Catch Basin	—- - - - -
M.A.G. Type D	—■—
A.D.O.T. C-15.70 Type 4	—○—
Existing Catch Basin	—■—
V-Ditch / Channel Improvements	—- - - - -

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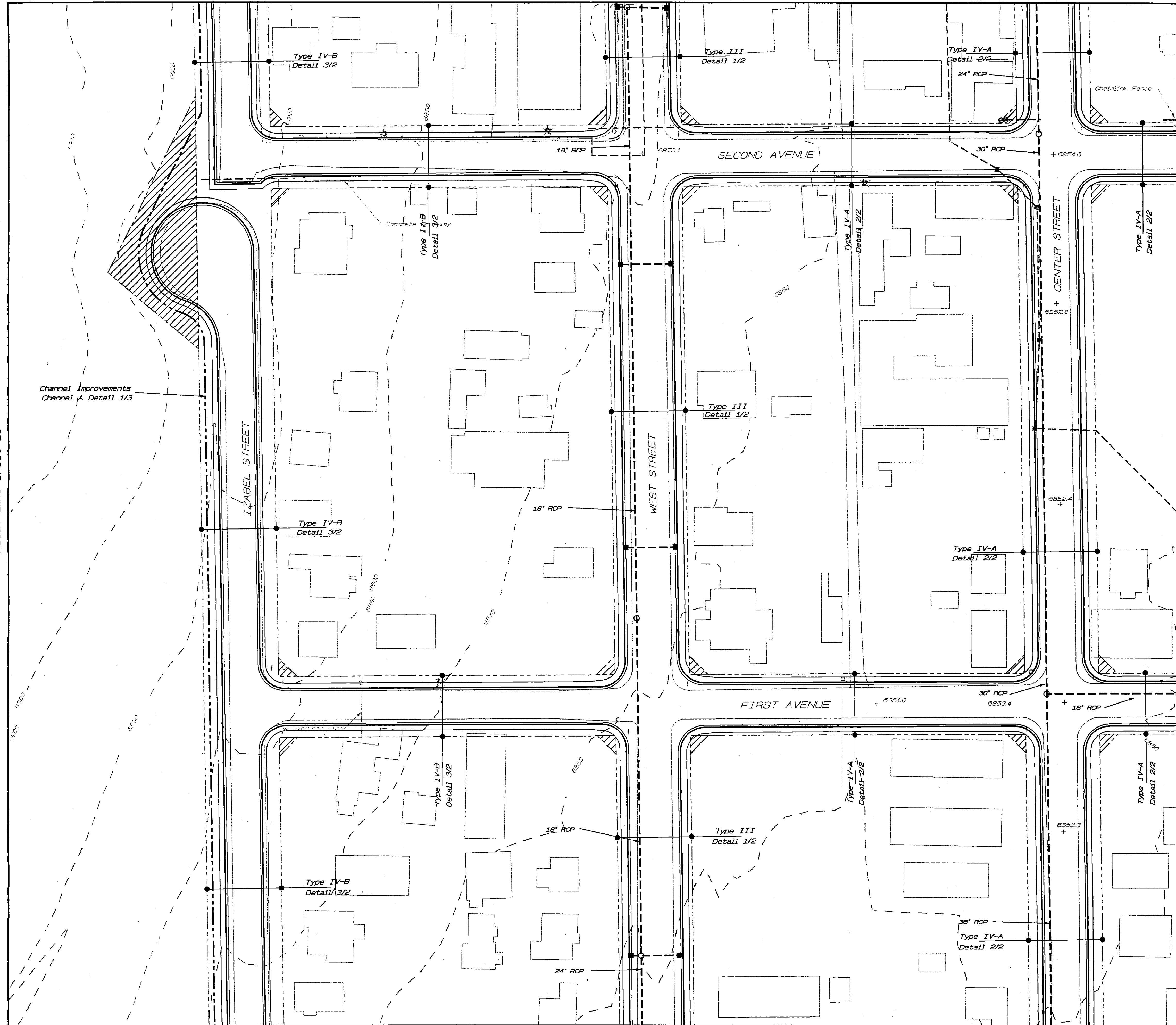
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**Project Concept
Planned Improvements
Sunrise Improvement District**

Scale: 1" = 40' Date: 11-4-94 Job No: 400601 Sheet 18 of 26
By: DLB Ckd: BJC Drawing No: N/A
P201 03-91029
FOLDER 160

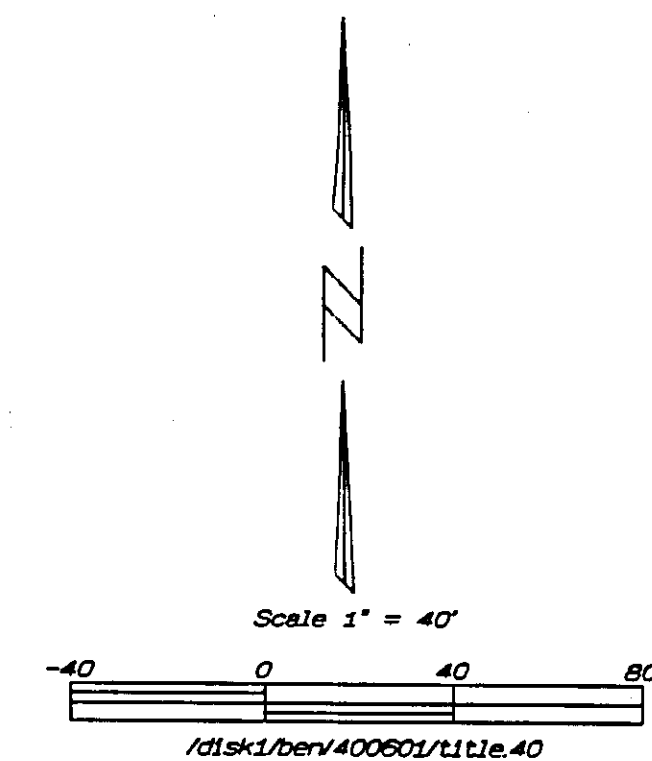
Revisions:	Date:	By:

Match Line Sheet 19



Match Line Sheet 22

Match Line Sheet 23



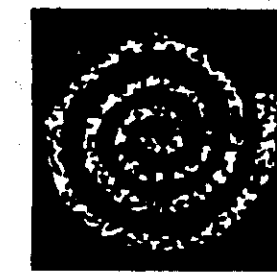
Legend

Utility Pole	—●—
Tree	—*—
Sign Post	—+—
Proposed Curb & Gutter and Sidewalk	=====
Existing Curb & Gutter and Sidewalk	-----
Proposed Right-of-Way Acquisition	=====
Existing Right-of-Way	-----
Match Existing Limits	-----
Private Improvements	-----
Drainage Structures	-----
Proposed Storm Drain / Culverts	-----
Existing Storm Drain / Culverts	-----
Proposed Catch Basin	-----
M.A.G. Type D	■
A.D.O.T. C-15.70 Type 4	●
Existing Catch Basin	■
V-Ditch / Channel Improvements	-----

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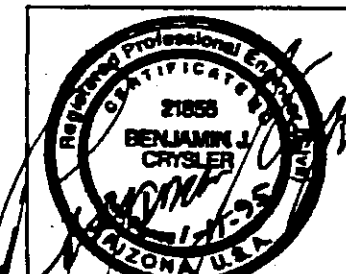
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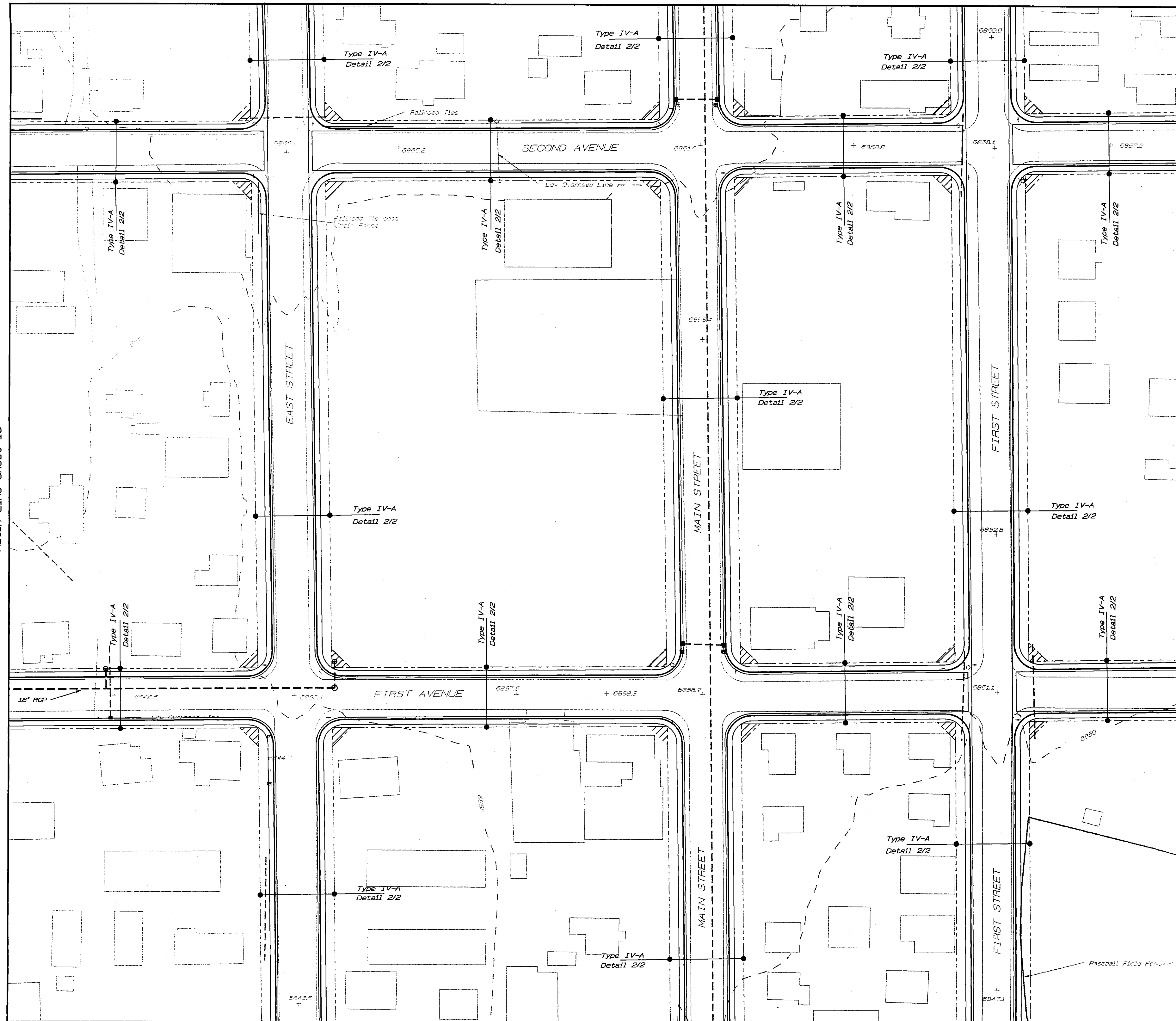
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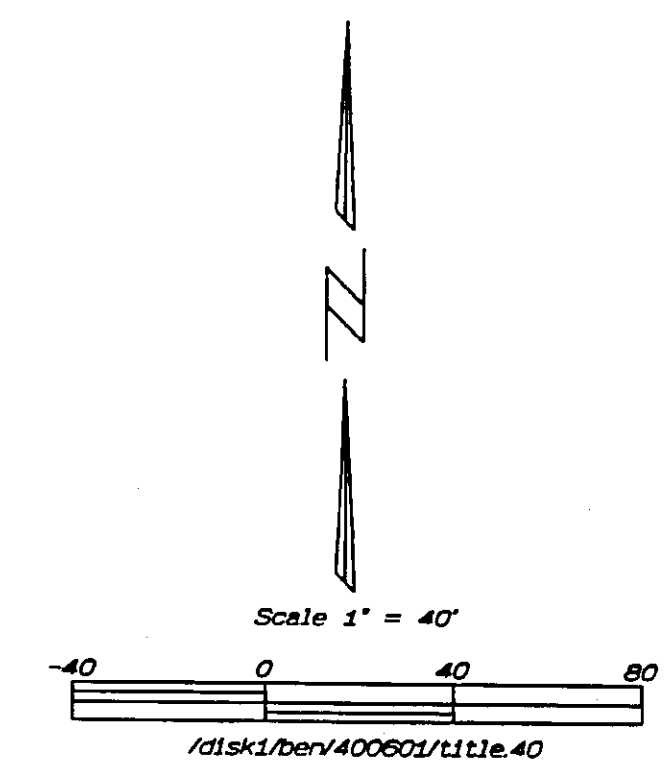
Project Concept
Planned Improvements
Sunnyside Improvement District

Scale: 1" = 40' Date: 11-4-94 Job No: 400801 Sheet 19 of 26
By: DLB OKD: BJC Drawing No: N/A

FBI 03-91029
Folder 160



Revisions:	Date:	By:



Legend

Utility Pole	
Tree	
Sign Post	
Proposed Curb & Gutter and Sidewalk	
Existing Curb & Gutter and Sidewalk	
Proposed Right-of-Way Acquisition	
Existing Right-of-Way	
Match Existing Limits	
Private Improvements	
Drainage Structures	
Proposed Storm Drain / Culverts	
Existing Storm Drain / Culverts	
Proposed Catch Basin	
M.A.G. Type D	
A.D.O.T. C-15.70 Type 4	
Existing Catch Basin	
V-Ditch / Channel Improvements	

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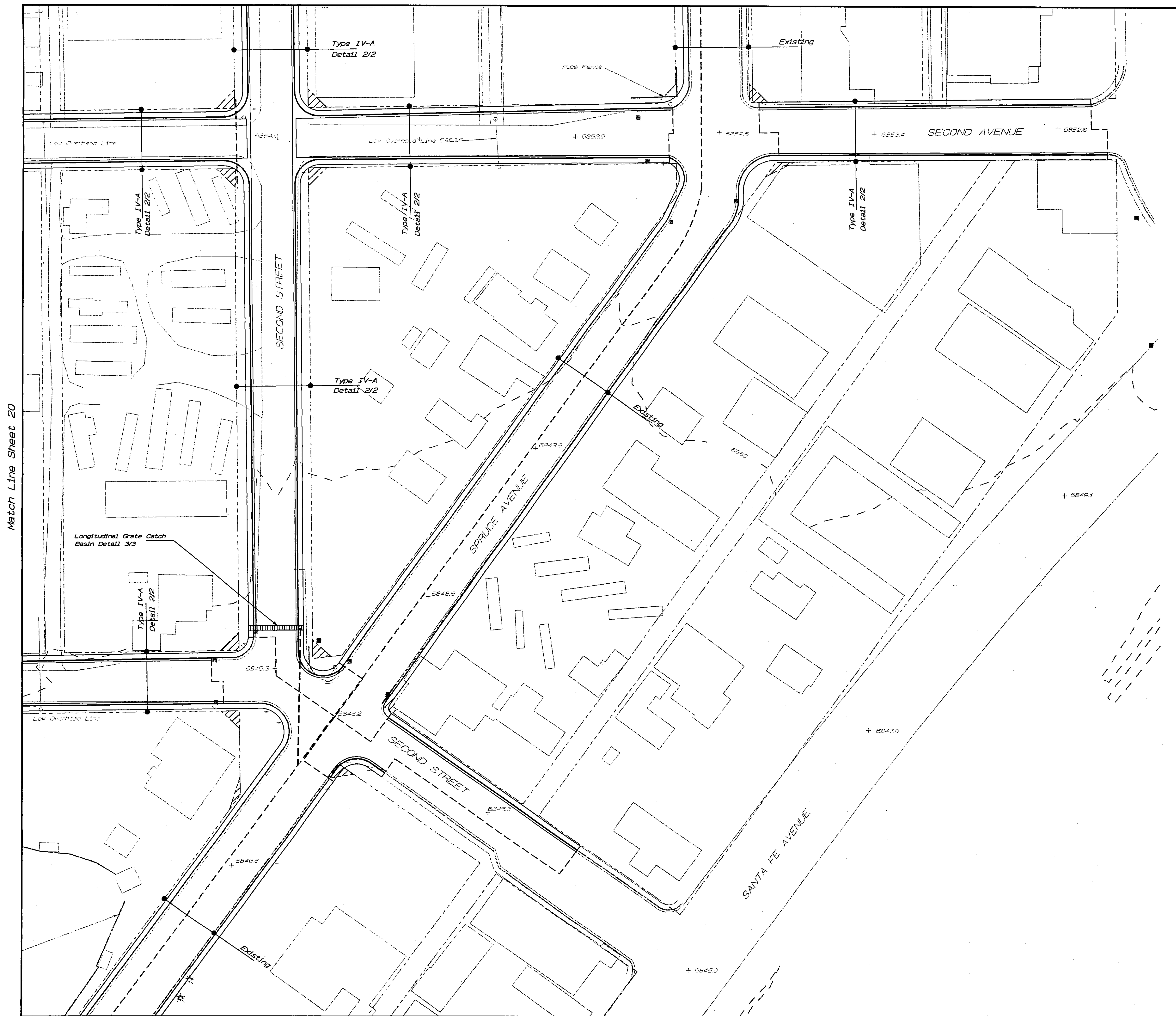
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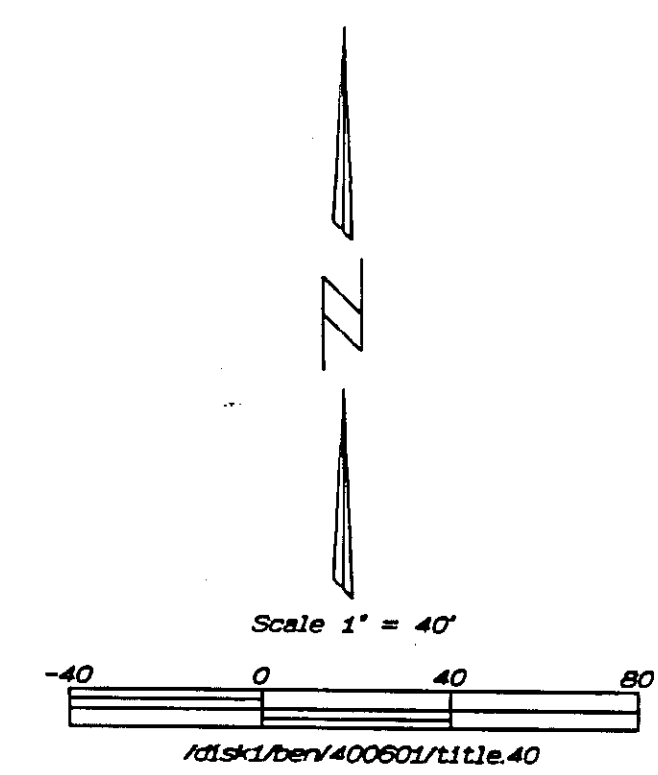
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Project Concept Planned Improvements Sunnyside Improvement District			
Scale: 1" = 40'	Date: 11-4-94	Job No: 400601	Sheet 20 of 26
By: DLB	CKD: BJC	Drawing No: N/A	

FE01.03-91029
FOLDER 160



Revisions:	Date:	By:



Legend

- Utility Pole
- Tree
- Sign Post
- Proposed Curb & Gutter and Sidewalk
- Existing Curb & Gutter and Sidewalk
- Proposed Right-of-Way Acquisition
- Existing Right-of-Way
- Match Existing Limits
- Private Improvements
- Drainage Structures
 - Proposed Storm Drain / Culverts
 - Existing Storm Drain / Culverts
 - Proposed Catch Basin
 - M.A.G. Type D
 - A.D.O.T. C-15.70 Type 4
 - Existing Catch Basin
 - V-Ditch / Channel Improvements

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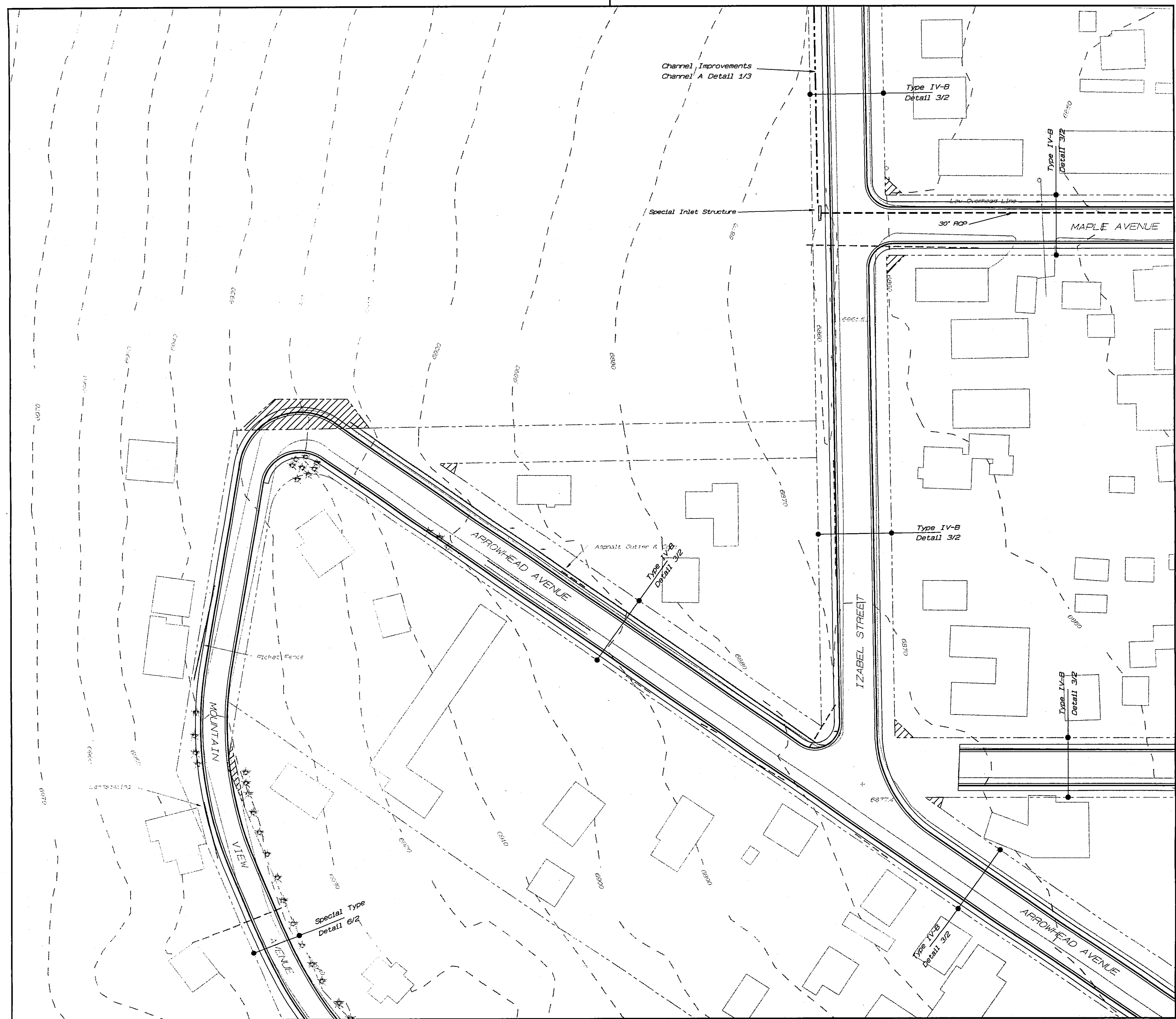
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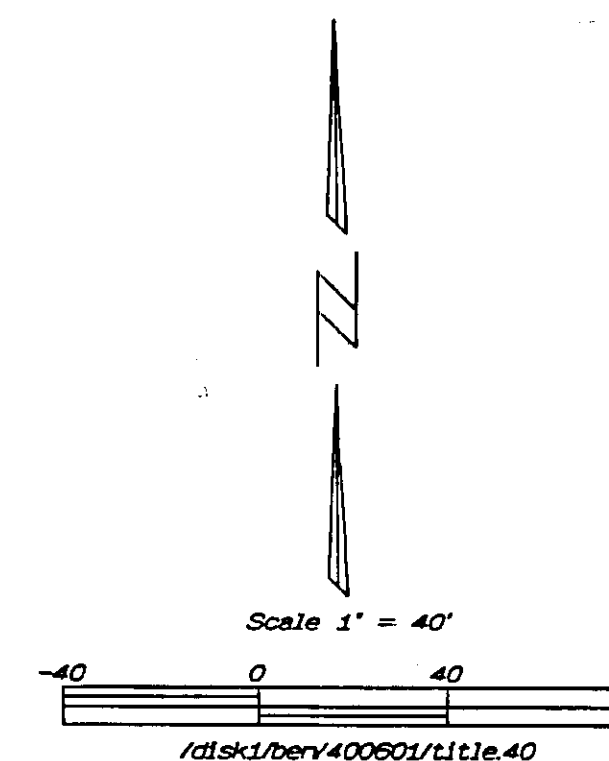
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Project Concept				
Planned Improvements				
Summerville Improvement District				
Scale: 1" = 40'	Date: 11-4-94	Job No: 400601	Sheet	Sheet
By: DLB	OKD: BJC	Drawing No: N/A	21	of 26

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FOLDER 160



Revisions:	Date:	By:



Legend

Utility Pole	
Tree	+
Sign Post	-
Proposed Curb & Gutter and Sidewalk	=====
Existing Curb & Gutter and Sidewalk	-----
Proposed Right-of-Way Acquisition	
Existing Right-of-Way	-----
Match Existing Limits	-----
Private Improvements	-----
Drainage Structures	
Proposed Storm Drain / Culverts	-----
Existing Storm Drain / Culverts	-----
Proposed Catch Basin	
MAG. Type D	■
A.D.O.T. C-15.70 Type 4	○
Existing Catch Basin	■
V-Ditch / Channel Improvements	-----

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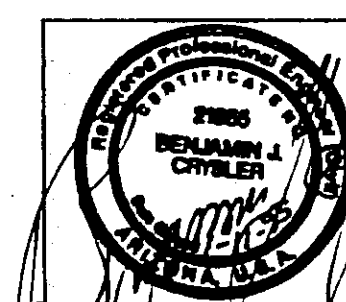
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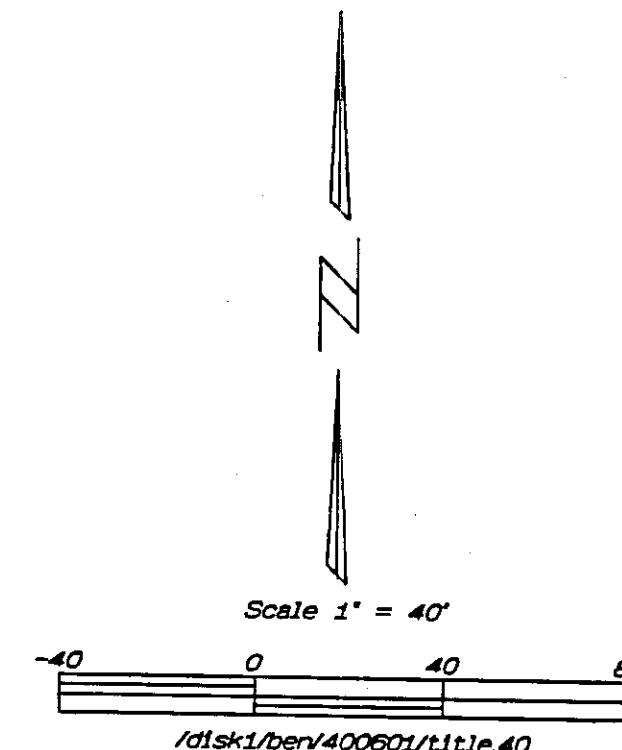


Project Concept
Planned Improvements
Sunnyside Improvement District

Scale: 1" = 40'	Date: 11-4-94	Job No: 400601	Sheet 22 of 26
By: DLB	OKD: BUC	Drawing No: N/A	

PROJ. 03-91029
FOLDER 160

Revisions:	Date:	By:



Legend

- Utility Pole
- Tree
- Sign Post
- Proposed Curb & Gutter and Sidewalk
- Existing Curb & Gutter and Sidewalk
- Proposed Right-of-Way Acquisition
- Existing Right-of-Way
- Match Existing Limits
- Private Improvements
- Drainage Structures
- Proposed Storm Drain / Culverts
- Existing Storm Drain / Culverts
- Proposed Catch Basin
- M.A.G. Type D
- A.D.O.T. C-15.70 Type 4
- Existing Catch Basin
- V-Ditch / Channel Improvements

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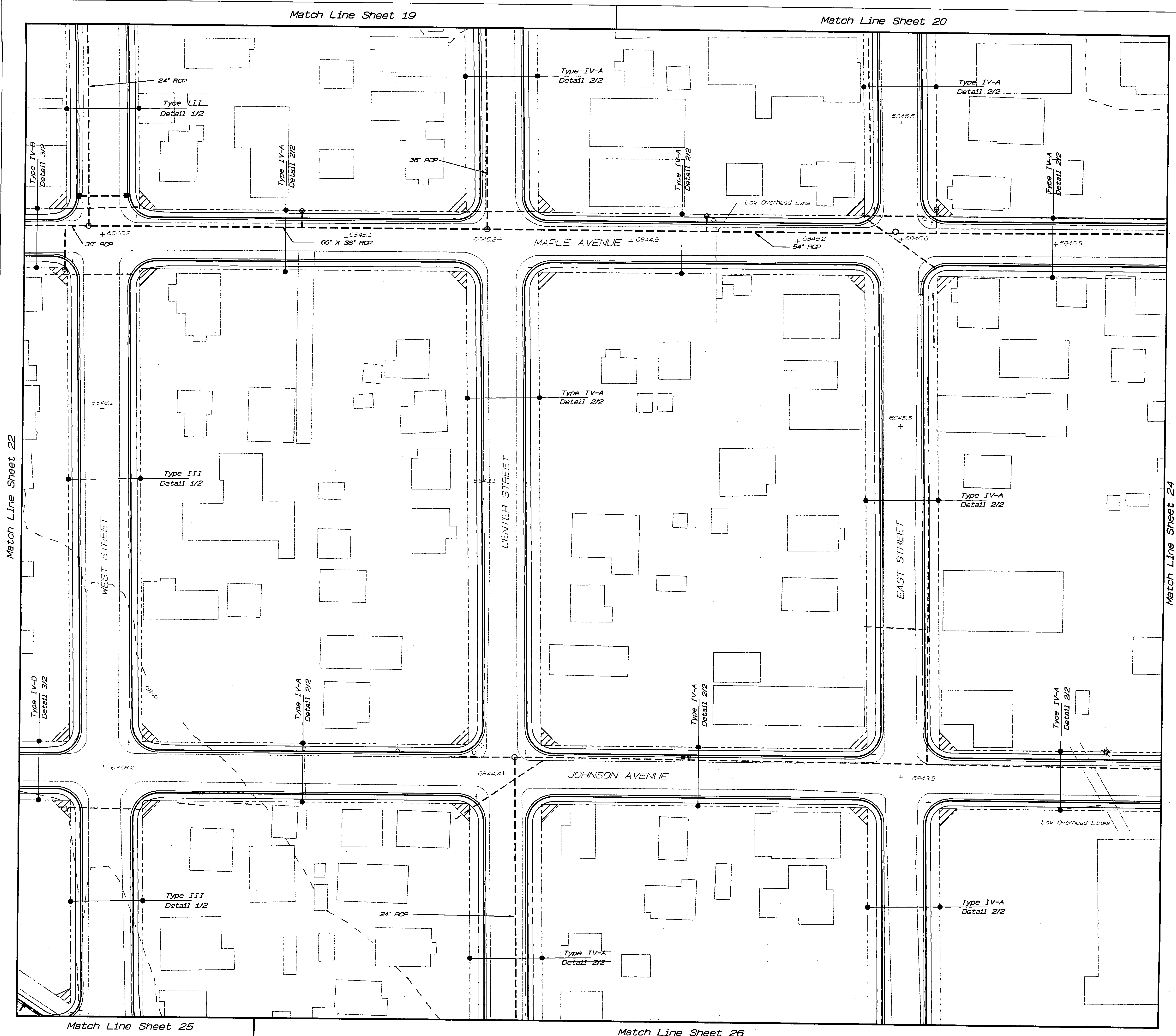
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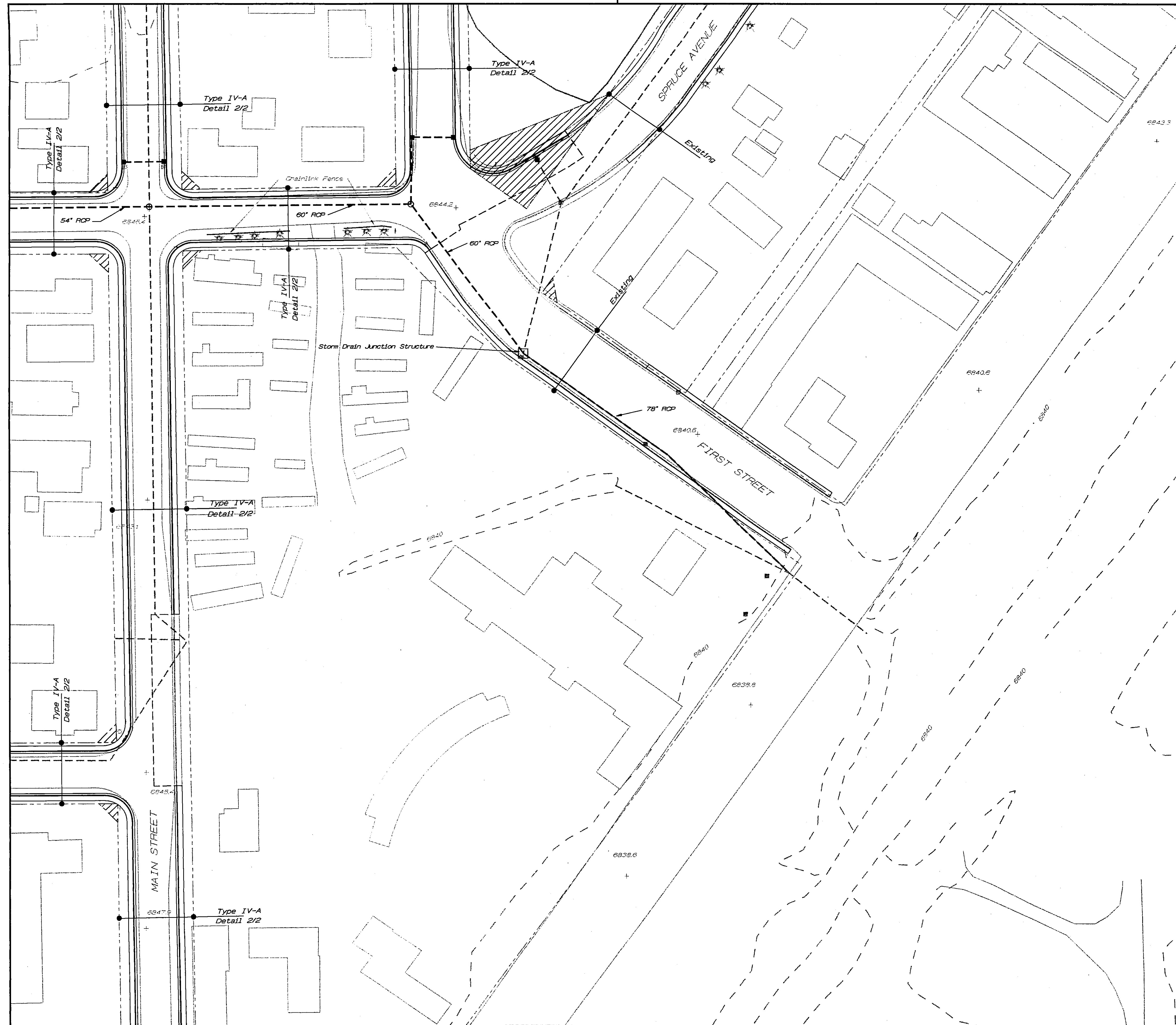
Project Concept
Planned Improvements
Summerville Improvement District

Scale: 1" = 40'	Date: 11-4-94	Job No: 400601	Sheet
By: DLB	Ord: BJC	Drawing No: NA	23 of 26

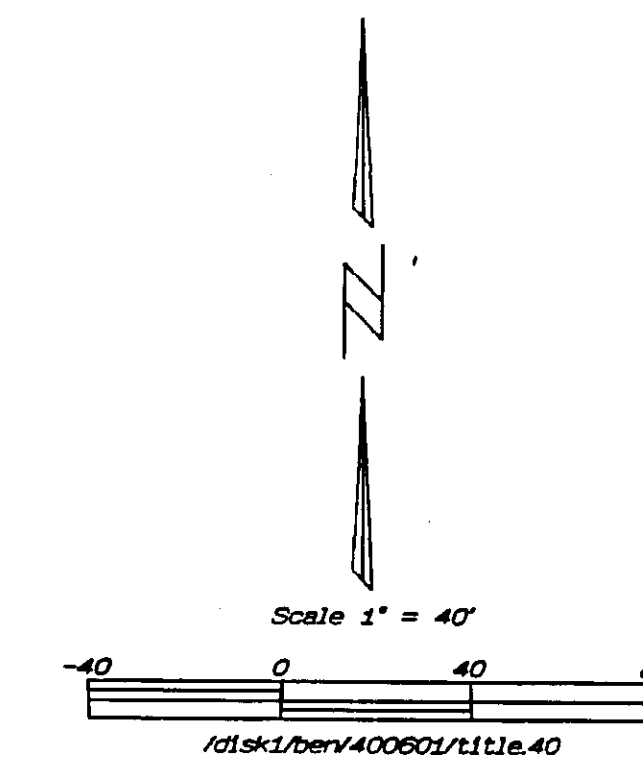
PE01 03-91029
FOLDER 160



CP-44524



Revisions:	Date:	By:



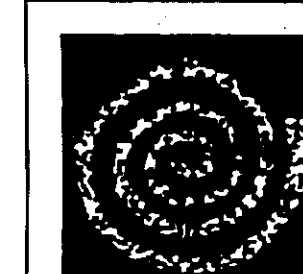
Legend

Utility Pole	○
Tree	★
Sign Post	—
Proposed Curb & Gutter and Sidewalk	=====
Existing Curb & Gutter and Sidewalk	=====
Proposed Right-of-Way Acquisition	
Existing Right-of-Way	-----
Match Existing Limits	-----
Private Improvements	-----
Drainage Structures	-----
Proposed Storm Drain / Culverts	-----
Existing Storm Drain / Culverts	-----
Proposed Catch Basin	-----
M.A.G. Type D	■
A.D.O.T. C-15.70 Type 4	⊕
Existing Catch Basin	■
V-Ditch / Channel Improvements	-----

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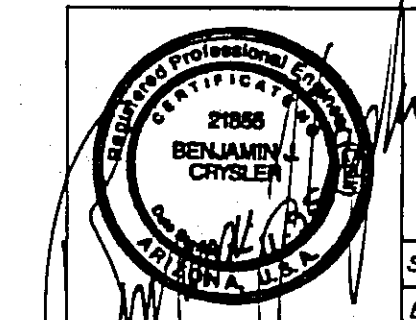
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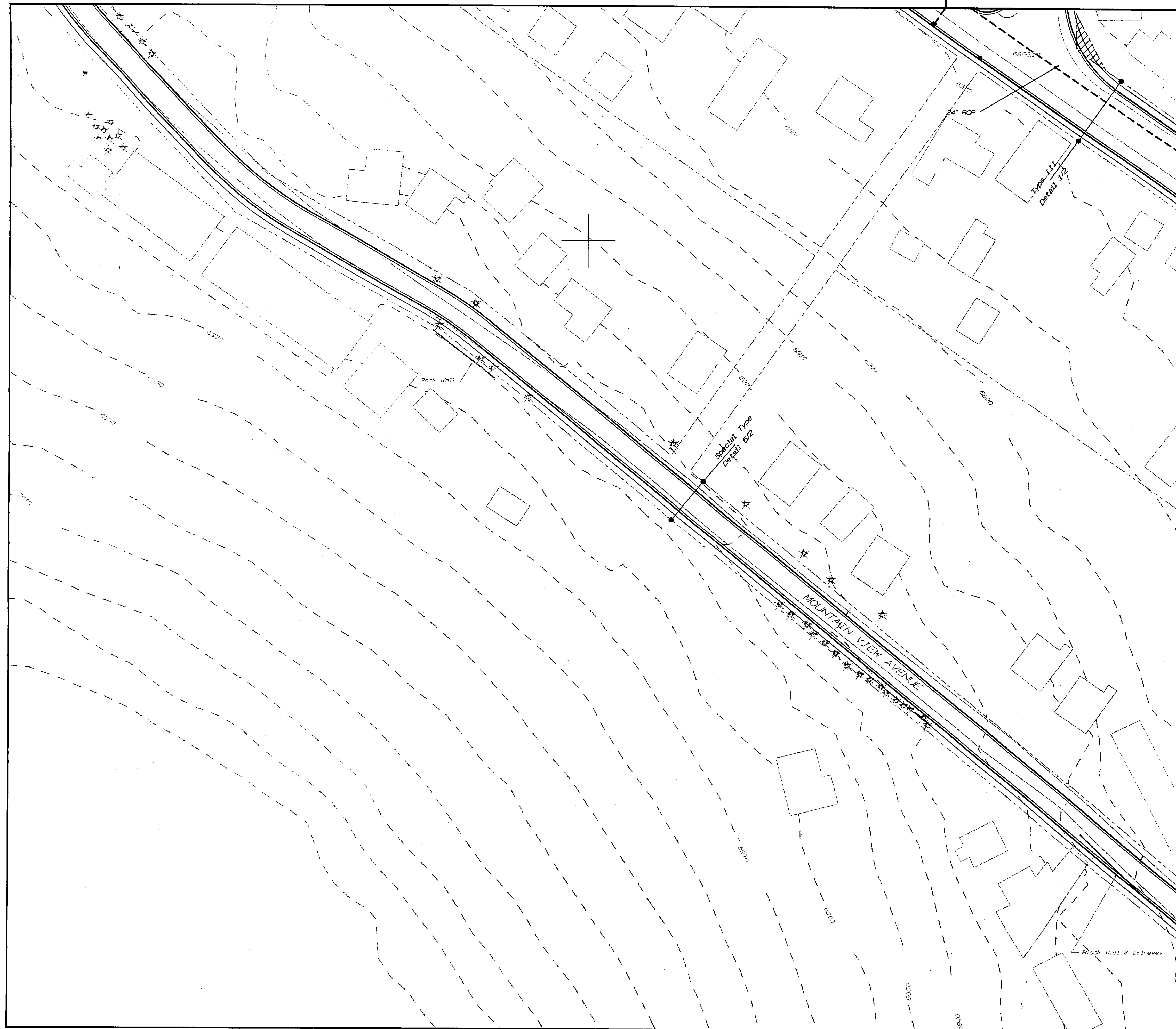
Project Concept
Planned Improvements
Sunnyside Improvement District

Scale: 1" = 40'	Date: 11-4-94	Job No: 400801	Sheet	Sheet
By: DLB	CHK: BJC	Drawing No: N/A	24	of 26

FEED: 03-91029
FOLDER 160

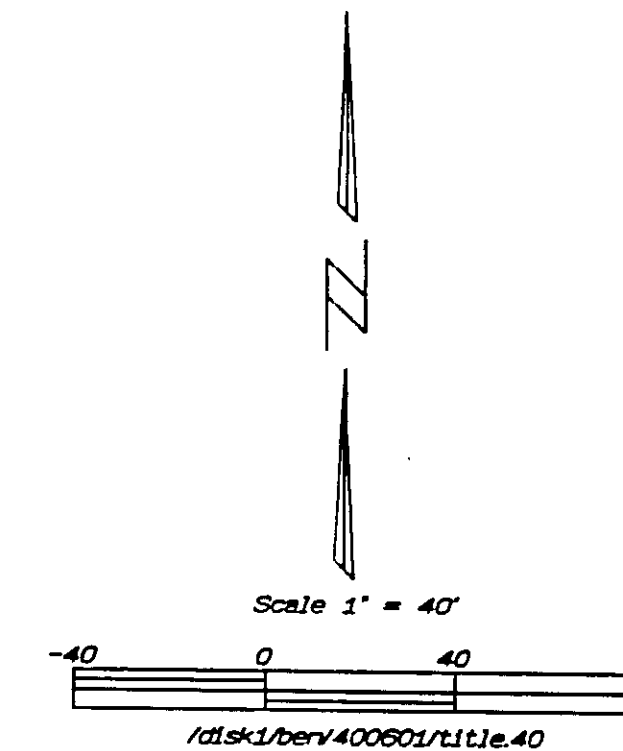
Match Line Sheet 22

Match Line Sheet 23



Match Line Sheet 26

Revisions:	Date:	By:



Legend

Utility Pole	
Tree	*
Sign Post	-
Proposed Curb & Gutter and Sidewalk	=====
Existing Curb & Gutter and Sidewalk	-----
Proposed Right-of-Way Acquisition	
Existing Right-of-Way	-----
Match Existing Limits	-----
Private Improvements	-----
Drainage Structures	
Proposed Storm Drain / Culverts	-----
Existing Storm Drain / Culverts	-----
Proposed Catch Basin	
M.A.G. Type D	■
A.D.O.T. C-15.70 Type 4	⊙
Existing Catch Basin	■
V-Ditch / Channel Improvements	-----

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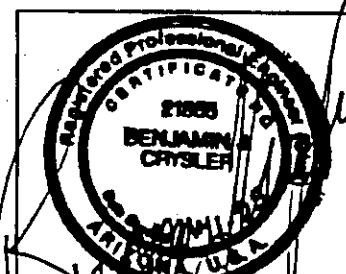
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**Project Concept
Planned Improvements
Sunnyside Improvement District**

Scale: 1" = 40'	Date: 11-4-94	Job No: 400601	Sheet	Sheet
By: DLB	CKD: BJC	Drawing No: N/A	25	of 26

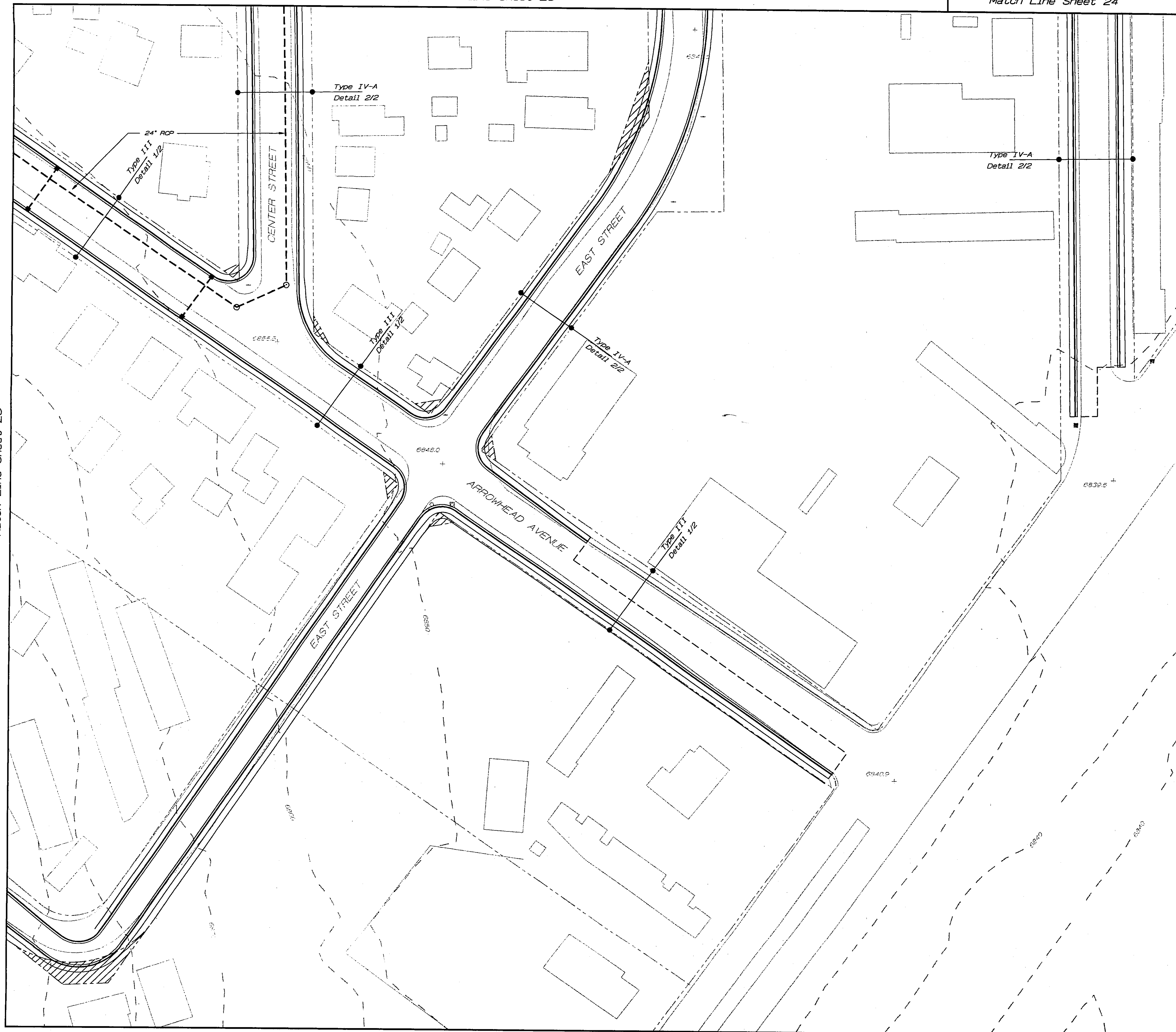
FEOS. 03-91029
FOLDER 160

CP-14526

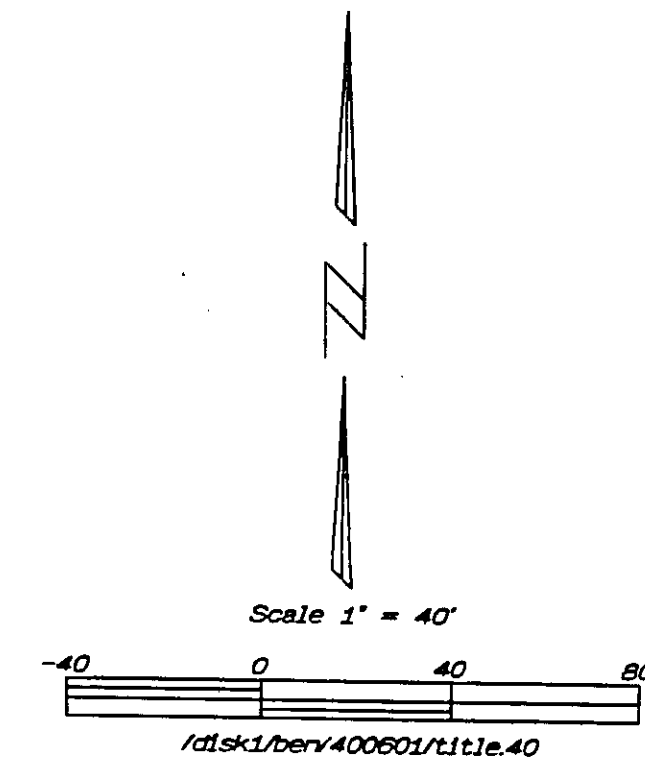
Match Line Sheet 23

Match Line Sheet 24

Match Line Sheet 25



Revisions:	Date:	By:



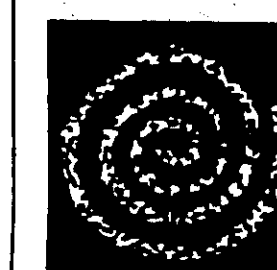
Legend

Utility Pole	•
Tree	☆
Sign Post	-
Proposed Curb & Gutter and Sidewalk	=====
Existing Curb & Gutter and Sidewalk	-----
Proposed Right-of-Way Acquisition	=====
Existing Right-of-Way	-----
Match Existing Limits	-----
Private Improvements	-----
Drainage Structures	-----
Proposed Storm Drain / Culverts	-----
Existing Storm Drain / Culverts	-----
Proposed Catch Basin	-----
M.A.G. Type D	■
A.D.O.T. C-15.70 Type 4	●
Existing Catch Basin	■
V-Ditch / Channel Improvements	-----

VERTICAL DESIGN CONCEPT: Street profiles will be determined to permit matching existing elevations along new back of sidewalk lines. Locations where deviations from this concept are appropriate will be identified during detailed design.

NOTE: These drawings represent preliminary and conceptual engineering only. They are not intended to be used for construction.

Existing planimetric and elevation information is from City of Flagstaff Quarter Section maps. The information on these maps was used as furnished, without further checking. Right-of-way lines were digitized from plats of record. Right-of-way lines are plotted to scale accuracy only.



**ARIZONA
ENGINEERING
COMPANY**

Civil and Environmental Engineering
Land Surveying
419 North San Francisco Street
Flagstaff, Arizona 86001-4064
Telephone (802) 774-7170
Facsimile (802) 770-1041

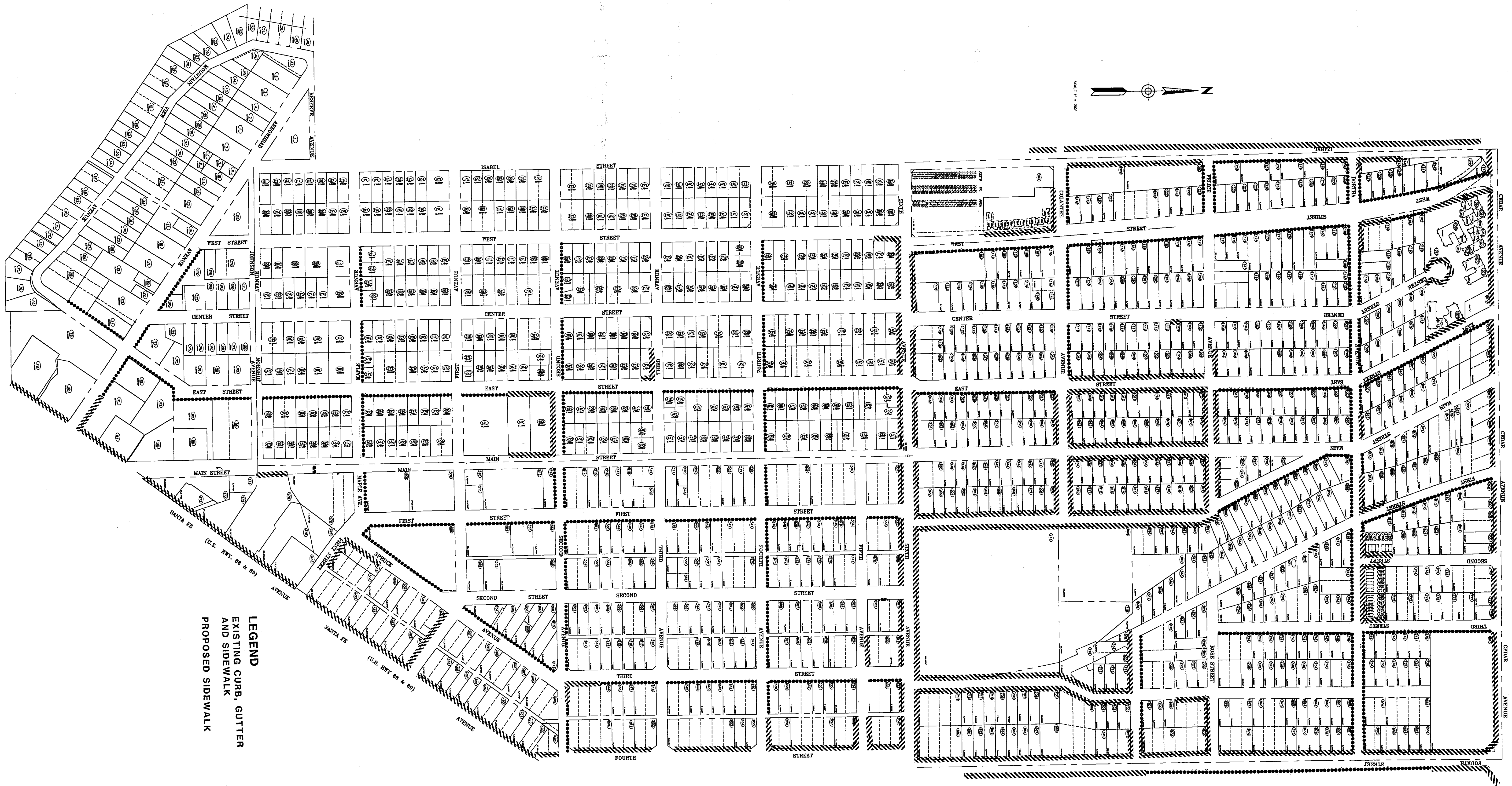


**Project Concept
Planned Improvements
Sunnyside Improvement District**

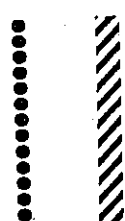
Scale: 1" = 40'	Date: 11-4-94	Job No: 400801	Sheet
By: DLB	CKD: BJC	Drawing No: N/A	26 of 26

PREL. 03-91029
FOLDER 160

CP-19527



LEGEND
EXISTING CURB, GUTTER
AND SIDEWALK
PROPOSED SIDEWALK



RECEIVED
OCT 24 1934
ENGINEERING

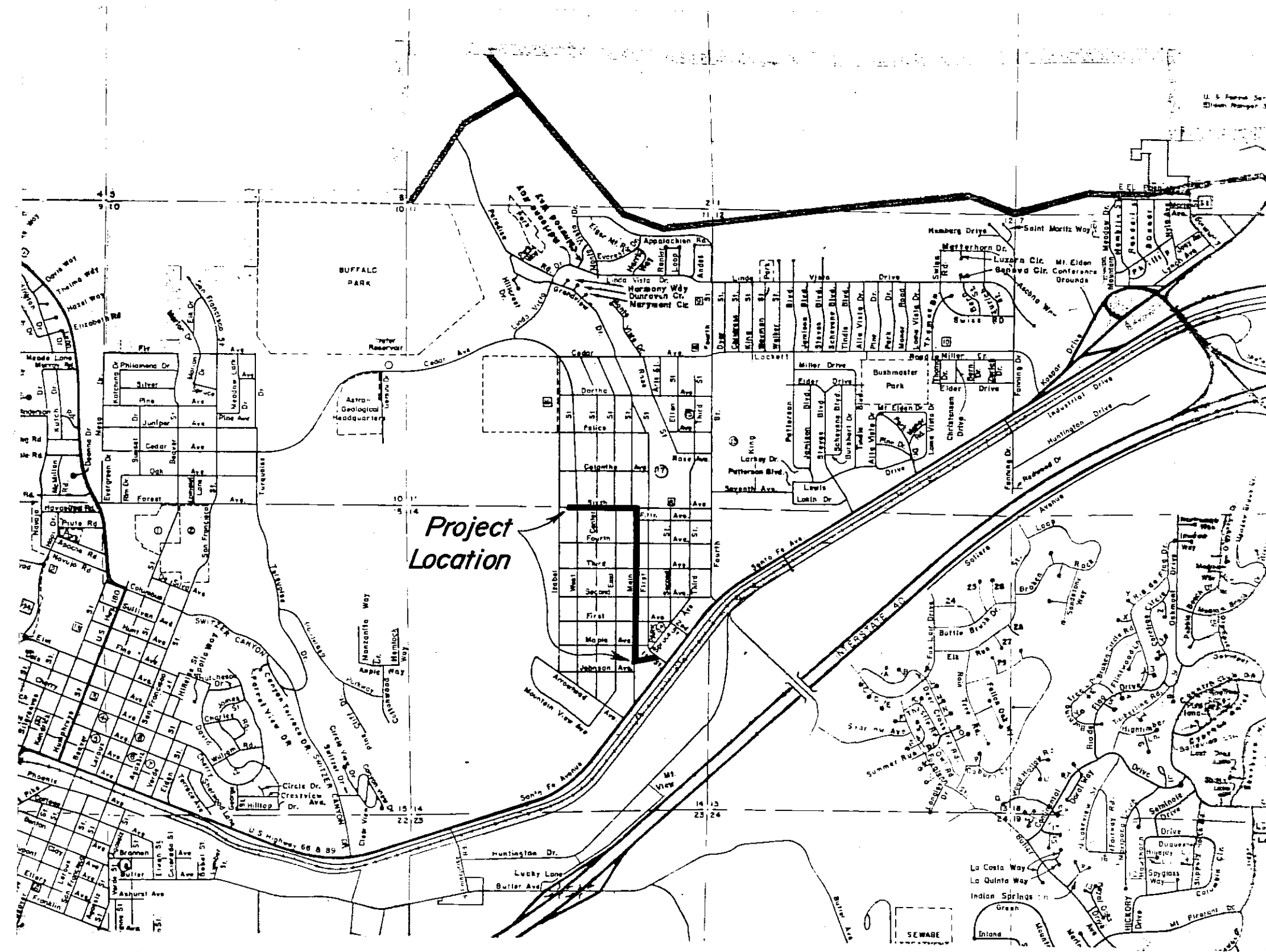
CP-14528

CITY OF FLAGSTAFF, ARIZONA

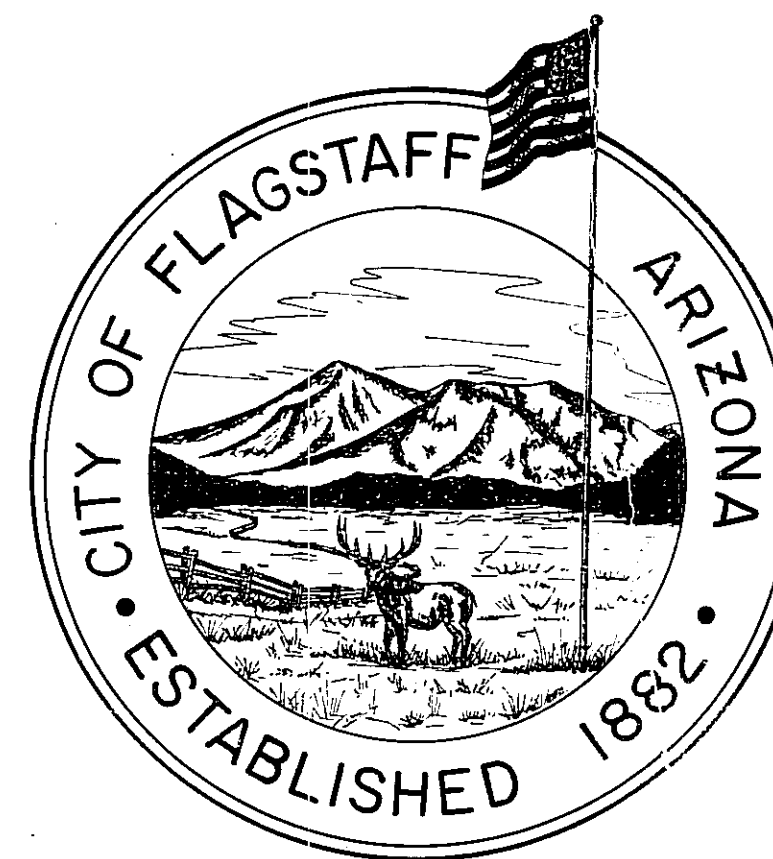
ENGINEERING DEPARTMENT

WEST STREET DRAINAGE PROJECT

PROJECT NO. 503-54



VICINITY MAP



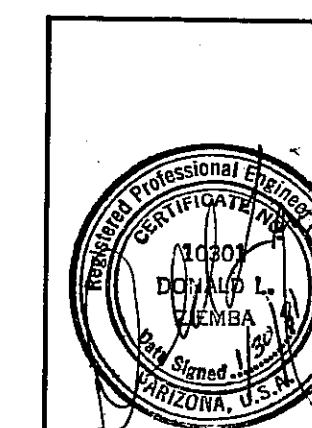
MAYOR..... Paul Babbitt, Jr.
 COUNCIL MEMBERS..... Hazel Robinson
 Murray Feldstein
 Mel Hannah
 A. J. Tony Lee
 Glen Lyon
 Anita Wood
 CITY MANAGER..... Frank Abeyta
 CITY ENGINEER..... Richard Perry

ACKNOWLEDGEMENTS

SOSinchoff 1-27-81
 Arizona Public Service Co. Date
Wm Dodd 1/27/81
 Mountain States Telephone Co. Date
Ruby M. Reed 1/27/81
 Southern Union Gas Co. Date
Don Felt 1-28-81
 Warner T.V. Cable Co. Date
Jo Clemens 1-29-81
 City Utilities Services Date

APPROVED BY
Richard D. Perry 2/2/81
 City Engineer Date
Jo Clemens 1-29-81
 Utilities Director Date

WILLDAN ASSOCIATES 210 No. Park St. Flagstaff 779-4505



CITY OF FLAGSTAFF, ARIZONA
 ENGINEERING DEPARTMENT

WEST STREET DRAINAGE PROJECT
 PROJECT No. 503-54
 COVER SHEET

DESIGNED BLD	FIELD	PROJECT NUMBER
DRAWN NG	BOOK	80287
CHECKED TRL/DZ		SHEET 1 OF 10
DATE		
REVISIONS		
1		
2		
3		
4		

GENERAL NOTES

- Approval of these plans by the City Engineer is for a one year period, subsequent to date of review. If construction work is not started within the one year period, or has been discontinued for any reason for longer than one year, the plans shall be resubmitted for review.
- Plan review by the City Engineer does not extend to material quantities shown on these plans.
- A public works permit, issued by the City, is required for all work in City rights-of way or easements and for construction of any improvements intended to become public property.
- The City shall be notified 24 hours prior to beginning different phases of construction so that inspectors may be scheduled.
- All materials and workmanship shall comply with the City of Flagstaff "Design and Construction Standards and Specifications" and the M.A.G. "Uniform Standard Specifications for Public Works Construction", latest revision, and with generally accepted good construction practice. All work and materials which do not conform to the Standards and Specifications are subject to removal and replacement at the contractor's expense.
- Any work performed without the knowledge and approval of the City Engineer or his representative, is subject to removal and replacement at the contractor's expense.
- The City Engineer or his representative may suspend the work by written notice when in his judgment, progress is unsatisfactory, work being done is unauthorized or defective, weather conditions are unsuitable, or there is danger to the public health or safety.
- The City Engineer may order any or all materials used in the work to be tested according to AASHTO and ASTM Standards. The Contractor shall, at his expense, supply all samples required for testing.
- The Contractor shall be responsible for maintenance of the streets and of partially completed portions of the work until final acceptance of the work. Any streets required to be closed for the construction activity shall be reopened within a reasonable time or upon order of the City Engineer. The regulation and control of all traffic shall be as directed by the City Engineer.

- Approval of a portion of the work in progress does not guarantee its final acceptance. Testing and evaluation may continue until written final acceptance of a complete workable unit. Any defects which appear in the work within one year from the date of acceptance and which are due to improper workmanship or inferior materials supplied shall be corrected by or at the expense of the owner/developer or the contractor.
- Acceptance of completed public improvements will not be given until defective or unauthorized work is removed, final clean-up is complete.
- Location of underground utilities before work is begun is to be accomplished in accordance with ARS 40-360.22.

WATER AND SEWER NOTES

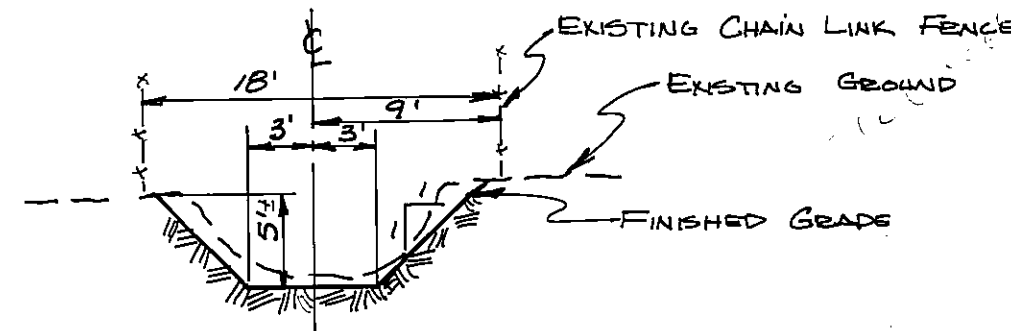
- Rough grading must be completed prior to installation of underground utilities.
- If back-filling is compacted by water settling, the trench shall be jetted when the pipe has one foot of cover.
- No trench shall be filled with bedding material or back-filled until the excavation and pipe laying, respectively, have been approved by the City Engineer.
- A pressure test is required of all water lines and hydrostatic or air test is required of all sewer lines. Tests are to be conducted after back-filling is complete and compacted.
- Water and sewer service lines are to be marked as shown on the standard service details.
- Water line disinfection is to be accomplished as outlined in Arizona State Department of Health Engineering Bulletin No. 8.
- Water pipe classifications shall be 200 for A.C.P. and for cast ductile iron unless otherwise specified by the City Engineer.
- All sewer lines will also be television inspected prior to acceptance by the City.
- When a sewer crosses a water pipe at a point at which the sewer is 2 feet or more below the water pipe, no extra protection is required. At all other crossings the sewer shall be constructed of cast iron with leaded or mechanical joints for a distance of at least 6 feet in each direction from the crossing or, as an alternate, the sewer shall be encased in concrete of 6 inches minimum thickness for the same distance.

PAVING PLANS

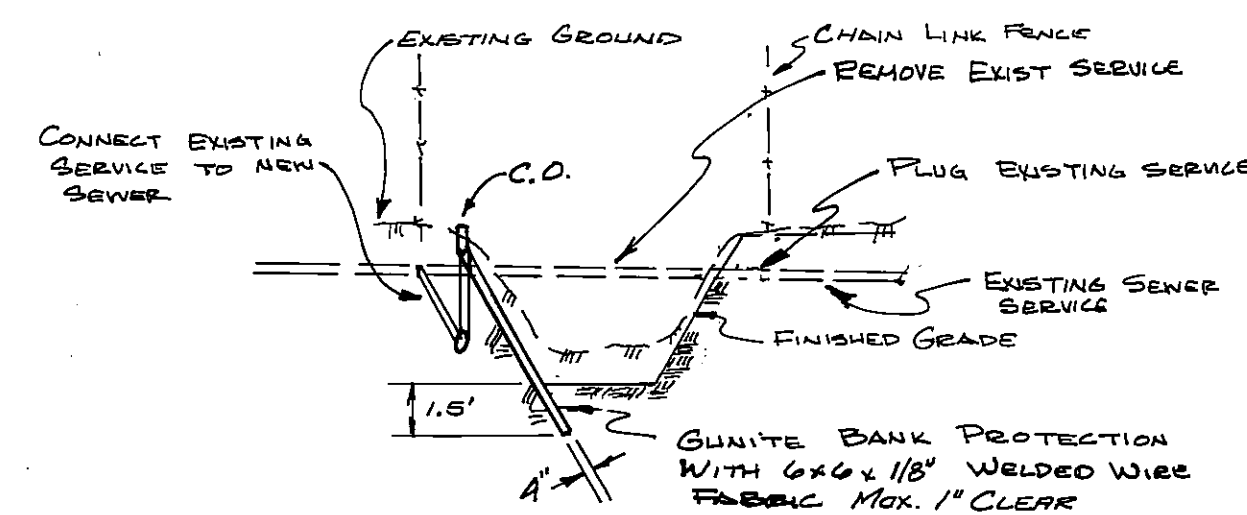
- Exact point of matching termination and overlay, if necessary, shall be determined in the field by the City Engineer.
- The paving contractor shall be responsible for the adjustment of all frames, covers, and valve boxes as necessary for a complete job, or as designated by the City Engineer.
- No paving construction shall be started until all utility lines are completed under proposed paved areas.
- Base course will not be placed until subgrade has been approved by the City Engineer or his authorized representative.
- No job will be considered completed until all curbs, pavements and sidewalks have been swept clean of all dirt and debris; and survey monuments are installed.
- The location of all water valves must at all times during construction be referenced and made available to the City Water Department.
- Utility facilities in conflict with this work will be relocated by the respective owners prior to construction through negotiations with the owners.
- Fire hydrants, water services, and meters in conflict with this work will be relocated by the City of Flagstaff prior to construction. The contractor shall adjust meter boxes to final grade.
- Street and traffic signs will be relocated by the City of Flagstaff as necessary.
- All curb cuts to be staked in the field.

NOTICE TO CONTRACTORS

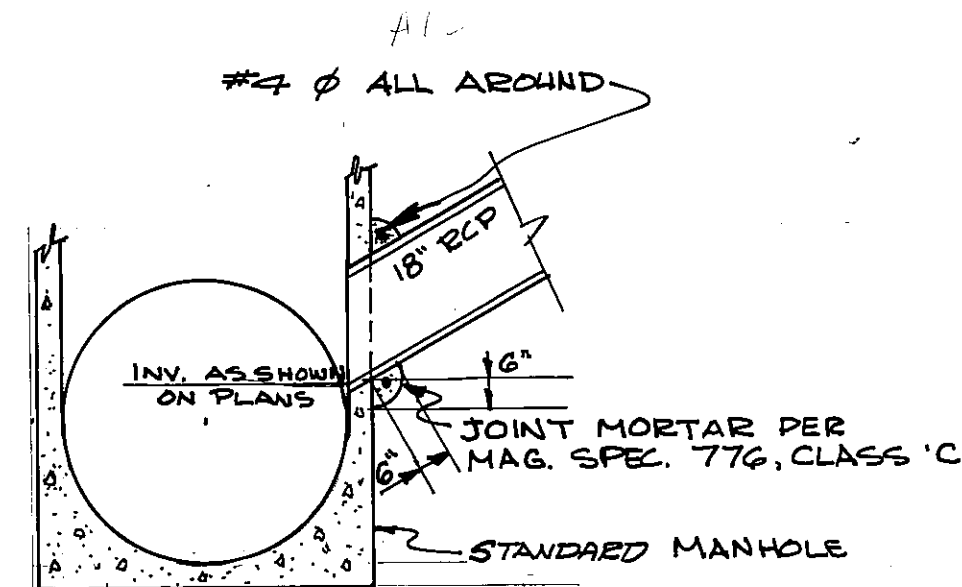
- THE DEPTH AND LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES PRIOR TO ANY EXCAVATION TO VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATION OF THEIR UTILITY.
- A 48 HOUR NOTIFICATION IS REQUIRED PRIOR TO ANY NEED FOR STAKES TO SCHEDULE SURVEY CREWS.



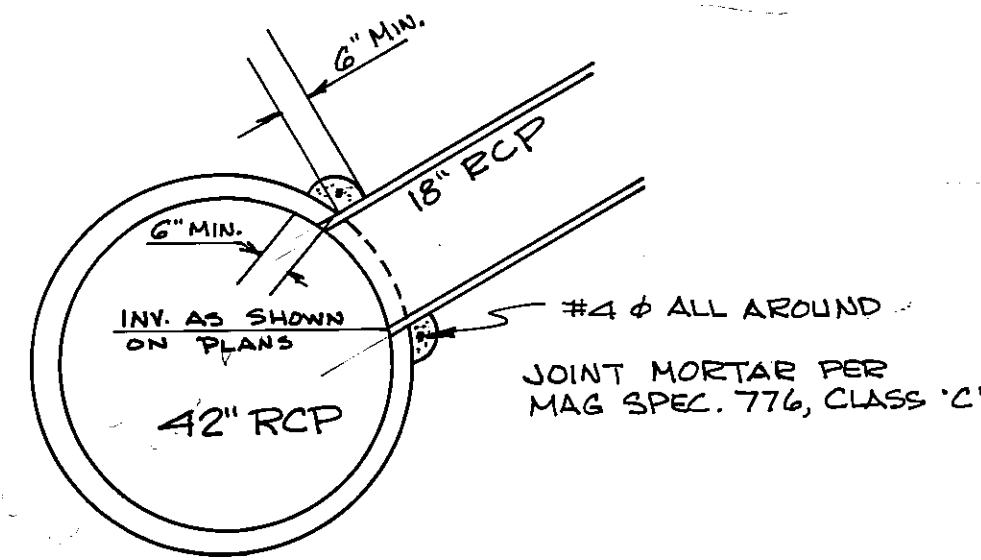
(A) TYPICAL DRAINAGE DITCH X-SECTION
NOT TO SCALE



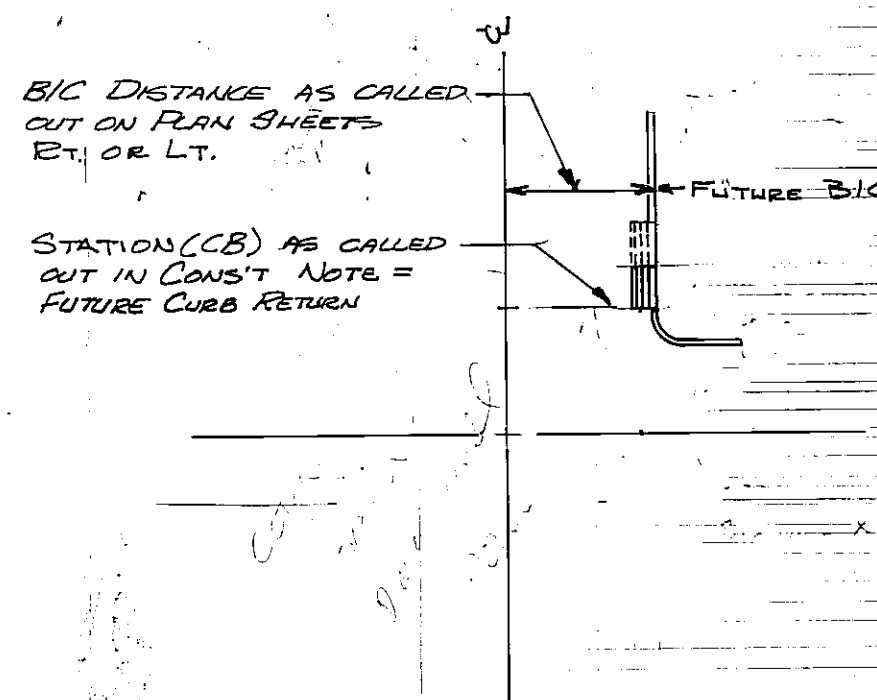
(B) GUNITED DITCH SECTION
NOT TO SCALE



TYPICAL LATERAL TAP INTO STORM DRAIN MANHOLE
NOT TO SCALE



TYPICAL LATERAL TAP INTO 42" R.C.P.
NOT TO SCALE



CATCH BASIN LOCATION DETAIL
NO SCALE

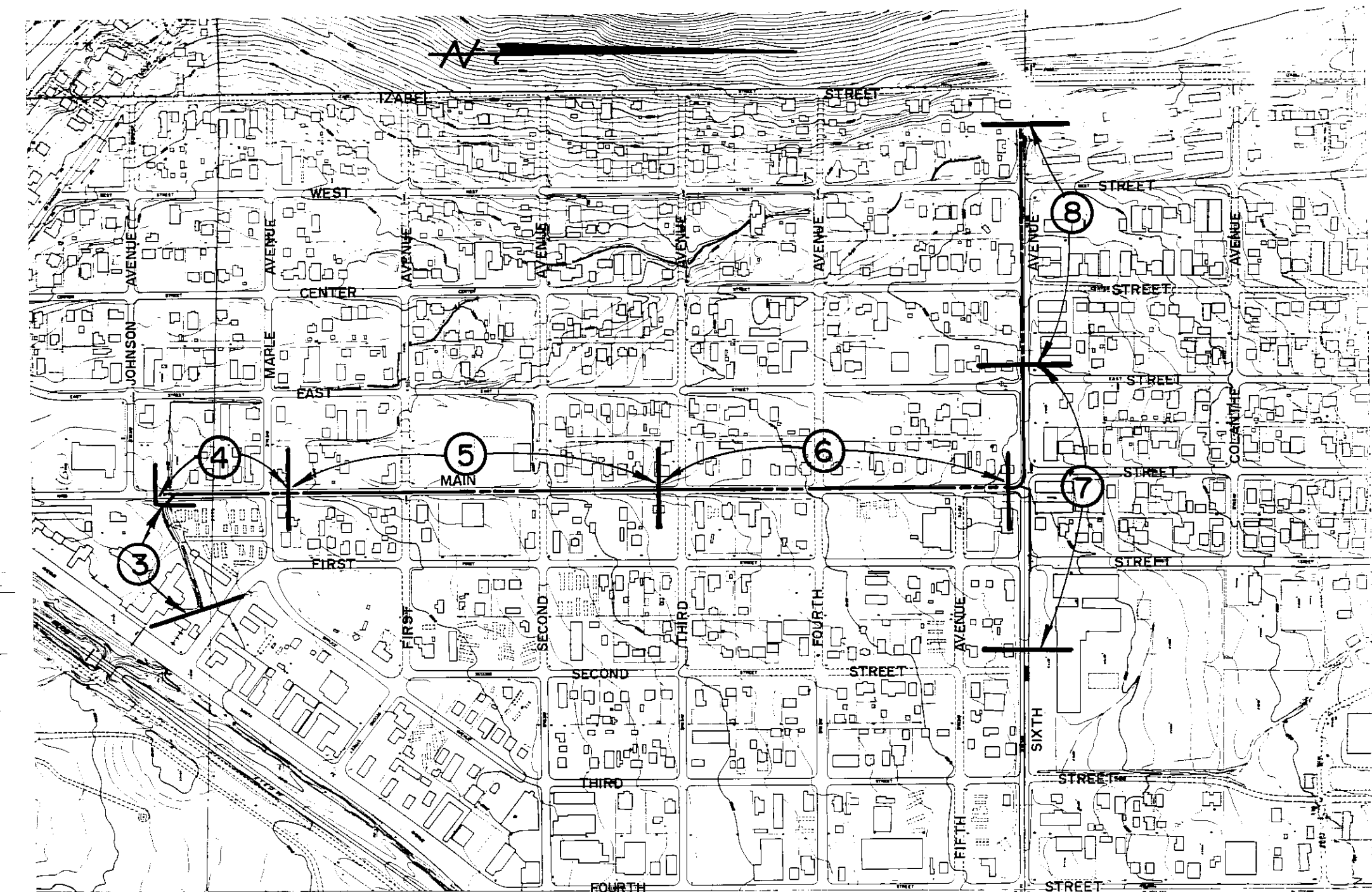
QUANTITIES					
ITEM #	DESCRIPTION	SPEC. SECTION	QTY. SHOWN ON PLANS	QUANTITY	UNIT
1	42" CLASS I R.G.R.C.P.	618	PLAN DETAILS	2312	L.F.
2	42" CLASS II R.G.R.C.P.	618	PLAN DETAILS	140	L.F.
3	42" CLASS III R.G.R.C.P.	618	PLAN DETAILS	1967	L.F.
4	18" CLASS I R.G.R.C.P.	618	PLAN DETAILS	292	L.F.
5	18" CLASS II R.G.R.C.P.	618	PLAN DETAILS	240	L.F.
6	18" CLASS III R.G.R.C.P.	618	PLAN DETAILS	165	L.F.
7	SINGLE CONCRETE CATCH BASIN	505	H-10.00	12	EA.
8	DOUBLE CONCRETE CATCH BASIN	505	H-10.30	7	EA.
9	REINFORCED CONCRETE JUNCTION BOX	505	PLAN DETAILS	1	EA.
10	REINFORCED CONCRETE INLET STRUCTURE	505	PLAN DETAILS	1	EA.
11	PRECAST CONCRETE STORM DRAIN MANHOLES	505	520, 522	9	EA.
12	CONNECTOR R.C.P. TO CONCRETE MANHOLE	505	PLAN DETAILS	1	EA.
13	FILL CONSTRUCTION	211	PLAN DETAILS	1	L.S.
14	PNEUMATICALLY PLACED MORTAR	525	PLAN DETAILS	20	C.Y.
15	ASPHALT CONCRETE	321, 336, 710	PLAN DETAILS	1267	TON.
16	AGGREGATE BASE COURSE	310, 702	PLAN DETAILS	945	TON.
17	ROCK EXCAVATION	801	PLAN DETAILS	50	C.Y.
18	TACK COAT	321, 713	PLAN DETAILS	2.2	TON.
19	6" V.C.P. SEWER	615	PLAN DETAILS	198	L.F.
20	6" D.I.P. SEWER	615	PLAN DETAILS	22	L.F.
21	STANDARD MANHOLE	625	I-20.10, 21.00, 21.10	3	EA.
22	REMOVE AND REPLACE STD. MANHOLE	625	21.00, 21.10	1	EA.
23	CLEANOUT	615	I-20.30	2	EA.
24	SEWER SERVICE REMOVAL & NEW CONNECTION	615	I-22.00	4	EA.
25	ADJUST MH FRAME & COVER TO GRADE	345	I-20.15	8	EA.
26	ADJUST WATER VALVE BOX COVER TO GRADE	345	I-20.15	1	EA.
27	EARTHWORK FOR OPEN CHANNELS	215	PLAN DETAILS	1	L.S.
28	CONCRETE ENCASUREMENT OF SEWER LINE	615	PLAN DETAILS	22	L.F.
29	LOWER EXISTING 8" WATER LINE	610	570, 380	1	L.S.
30	RAISE EXISTING 12" WATER LINE	610	570, 380, 381	1	L.S.
31	REMOVE & REPLACE 6" WATER SERVICE	631	I-30.30	6	EA.
32	8" CUT-IN SLEEVE & 8" GATE VALVE, BOX & COVER	630	I-30.10	2	EA.
33	12" CUT-IN SLEEVE & 12" GATE VALVE, BOX & COVER	630	I-30.10	1	EA.
34	ABANDON EXISTING 42" WATER LINE	610	PLAN DETAILS	1	L.S.
35	INSTALL STREET CENTERLINE INTERSECTION MONUMENTS	405	K-20.00	13	EA.
36	PRIME COAT (ALTERNATIVE)	315, 712	PLAN DETAILS	6.3	TON.
37	CHIP SEAL LIQUID ASPHALT (ALTERNATIVE)	330, 713	PLAN DETAILS	13.2	TON.
38	CHIP SEAL STONE CHIPS (ALTERNATIVE)	330, 716	PLAN DETAILS	132	TON.

BENCH MARKS

- | | |
|------------------------------|--|
| B.M. #1 Elevation = 6,887.51 | Top Alum. Cap at NE corner intersection Isabel and Sixth Avenue N 1/4 corner Section 14. |
| B.M. #2 Elevation = 6,884.75 | Top PK nail at intersection Center Street and Sixth Avenue. |
| B.M. #3 Elevation = 6,843.67 | Top PK nail on Johnson Avenue between East Street and Main Street. |
| B.M. #4 Elevation = 6,847.99 | Top PK nail on No. First Street between Maple Avenue and First Avenue. |
| B.M. #5 Elevation = 6,863.35 | Top PK nail at intersection No. First Street and Third Avenue. |
| B.M. #6 Elevation = 6,877.88 | Top PK nail on Sixth Avenue between First Street and Second Street. |

LEGEND

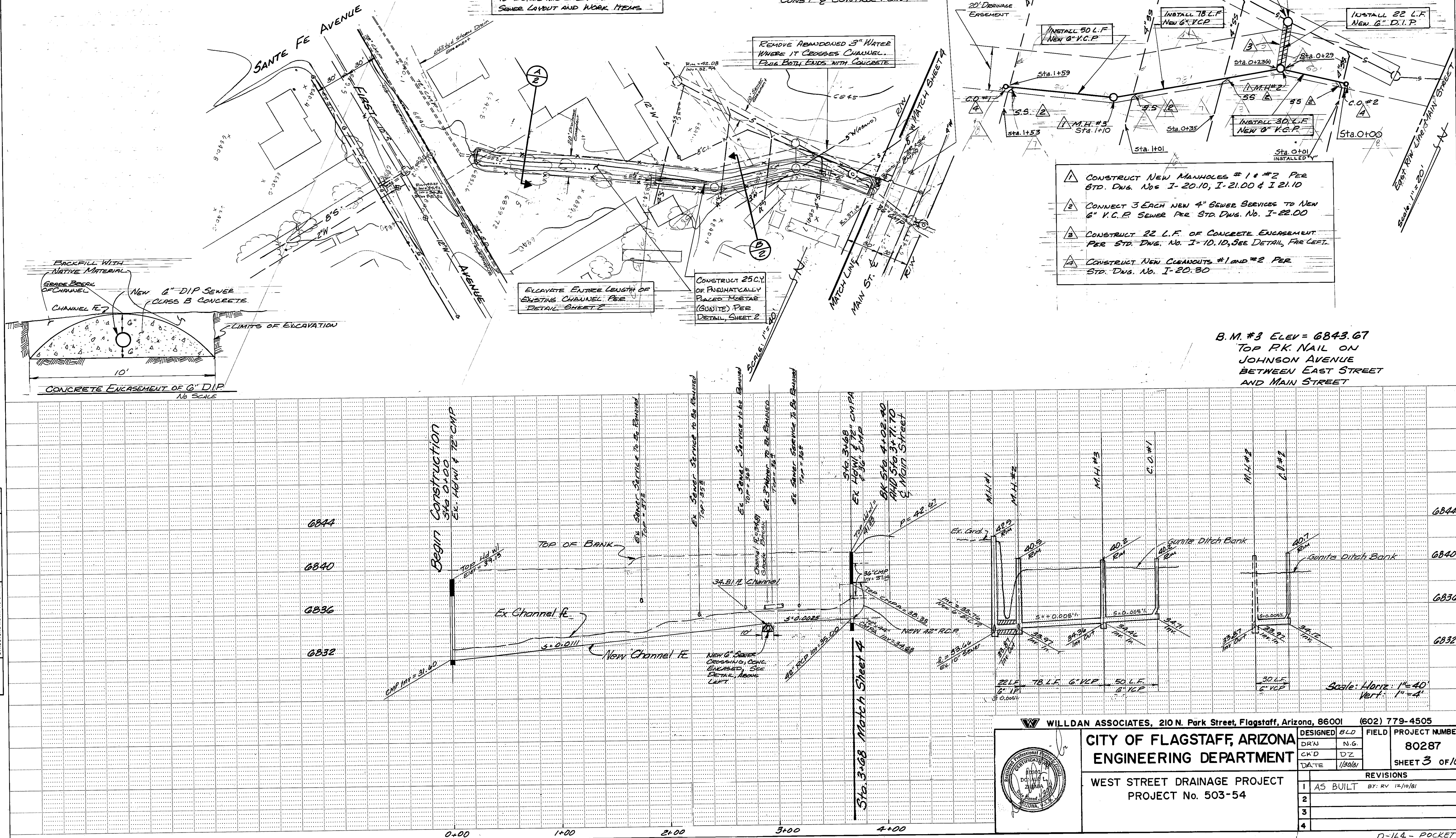
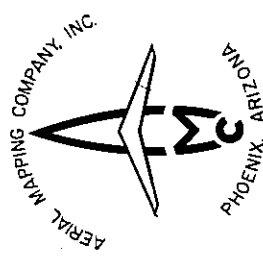
- Ed. or Set Construction & Monuments
- Ed. Street & Monuments
- Proposed R.C.P. 42"
- Proposed R.C.P. 18"
- Proposed Catch Basin
- Existing Fire Hydrant and Valve Assy
- Existing Water Valve
- Existing Water Line, Size as noted
- Existing Natural Gas Line, Size as noted
- Existing Sewer Line, Size as noted
- Existing Manhole
- Existing Overhead Electric, May also include T.V. Cable and/or Telephone Lines
- Existing Underground Telephone or Electric
- Existing Storm Drain, Size as noted
- Existing Catch Basin
- New Storm Drain Manhole
- Existing Right-of-Way
- Section Sheet No.
- Water Service to Be Removed & Replaced

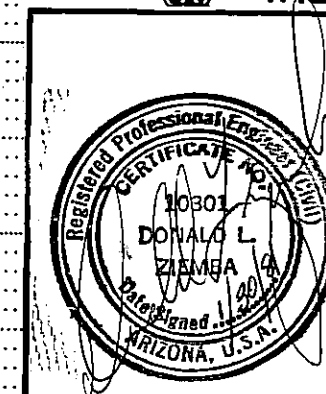
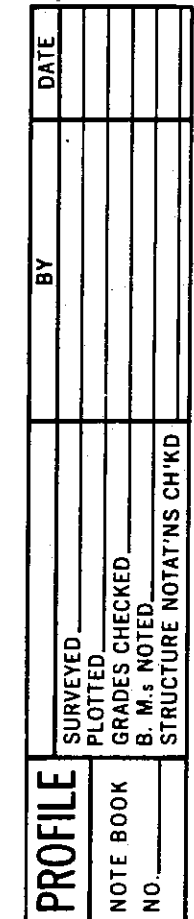


SHEET INDEX MAP
No Scale

WILLDAN ASSOCIATES, 210 N. Park Street, Flagstaff, Arizona, 86001 (602) 779-4505		DESIGNED BLD		FIELD		PROJECT NUMBER	
CITY OF FLAGSTAFF, ARIZONA		DRAWN NG				80287	
ENGINEERING DEPARTMENT		CHECKED TEL				SHEET 2 OF 10	
WEST STREET DRAINAGE PROJECT		DATE 1/30/81				REVISIONS	
PROJECT No. 503-54							
NOTES AND DETAILS							

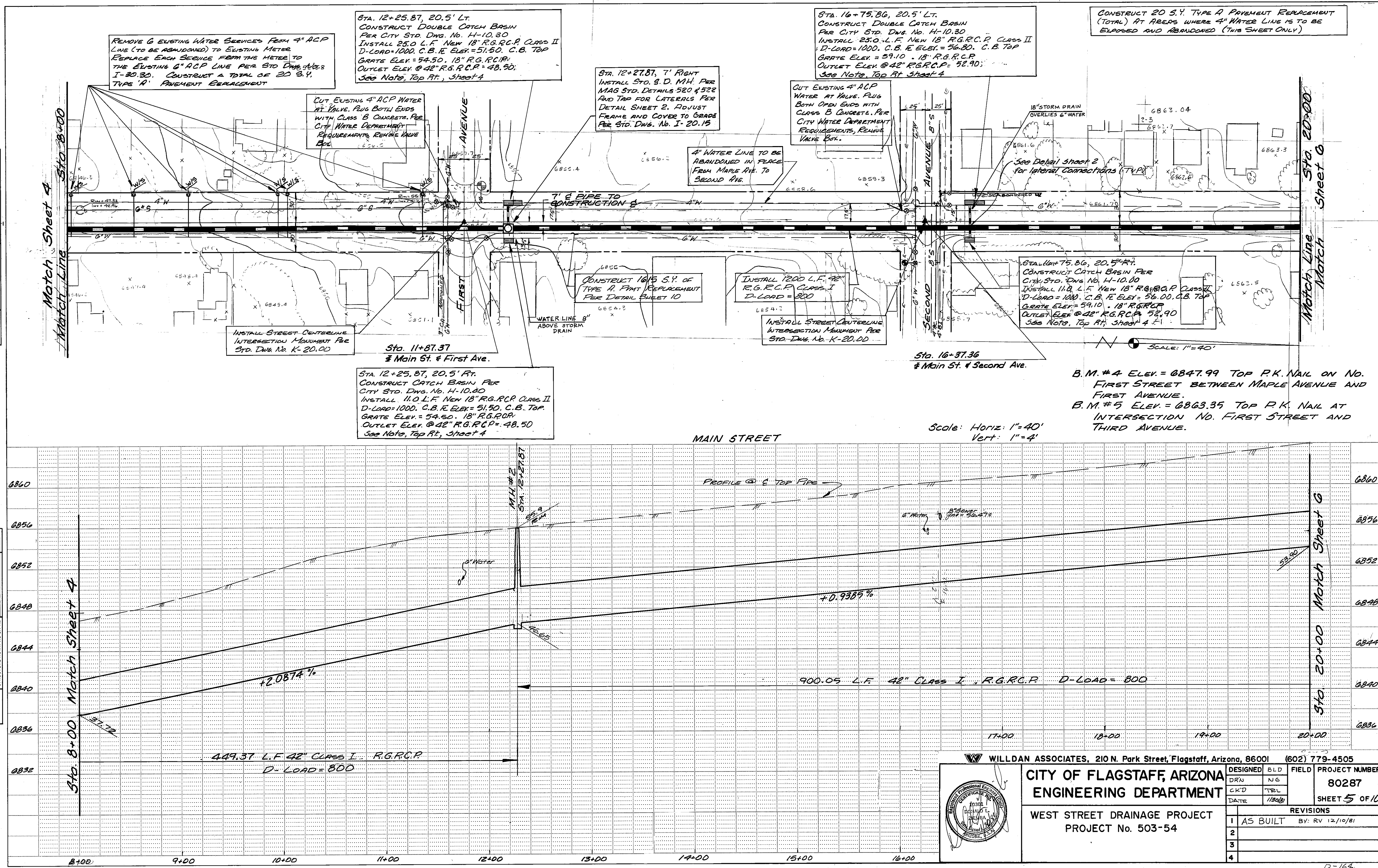
PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
	GRADES CHECKED _____		
	B. M.'S. NOTED _____		





PLAN	DATE
BY	
CHECKED	
NOTED	
NO.	

PROFILE	DATE
BY	
CHECKED	
NOTED	
NO.	



WILL DAN ASSOCIATES, 210 N. Park Street, Flagstaff, Arizona, 86001 (602) 779-4505

**CITY OF FLAGSTAFF, ARIZONA
ENGINEERING DEPARTMENT**

**WEST STREET DRAINAGE PROJECT
PROJECT No. 503-54**

DESIGNED BLD FIELD PROJECT NUMBER
DRN NG 80287
CKD TEL
DATE 1/30/81
SHEET 5 OF 10

REVISIONS

1	AS BUILT	BY: RV 12/10/81
2		
3		
4		

**D-164
FOCKET-9
FOLDER-36**

PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
	GRADES CHECKED _____		
	B. M.'s NOTED _____		
	STRUCTURE NOTATIONS CH'KD _____		



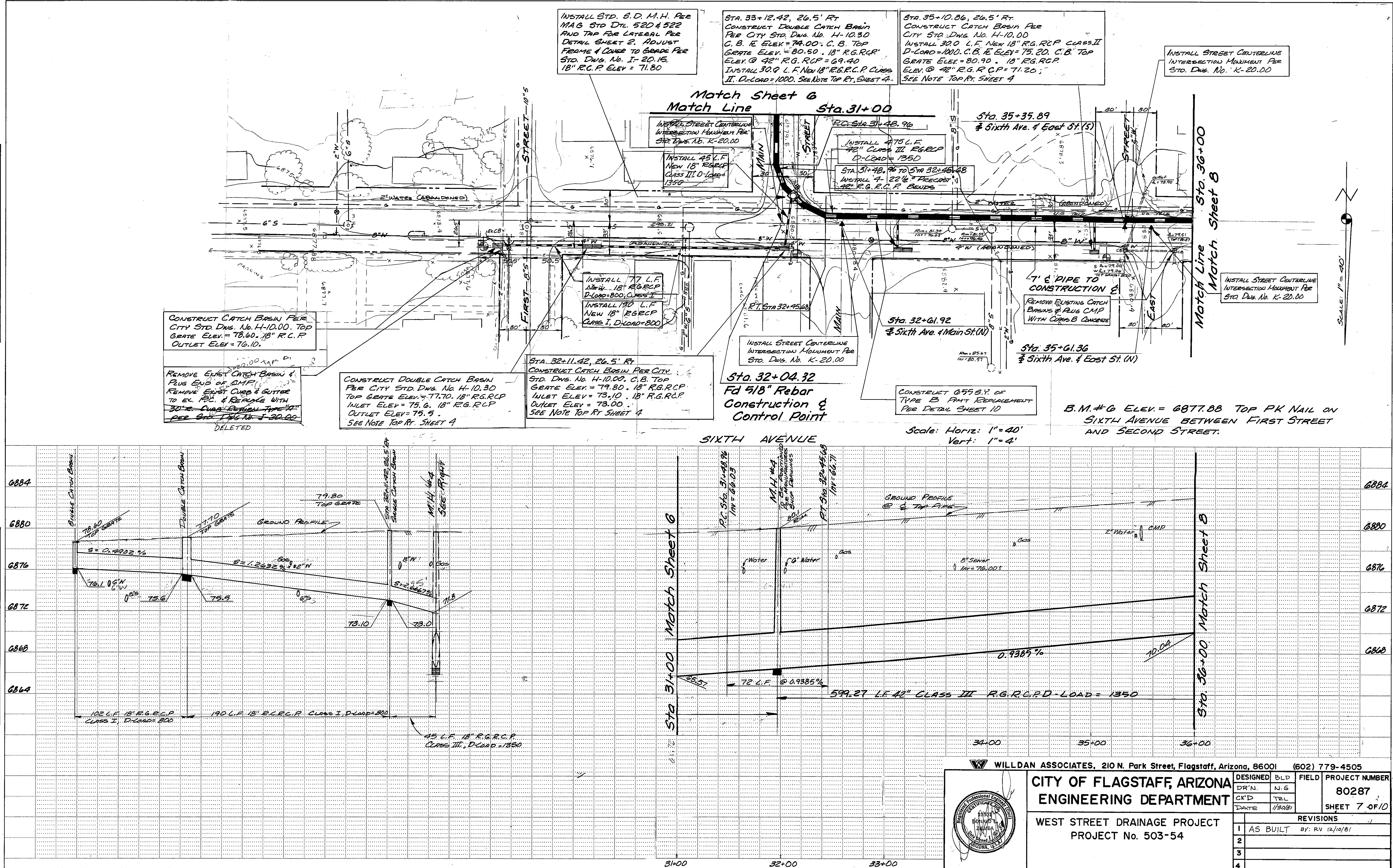
WILLDAN ASSOCIATES, 210 N. Park Street, Flagstaff, Arizona, 86001 (602) 779-4505																					
CITY OF FLAGSTAFF, ARIZONA ENGINEERING DEPARTMENT WEST STREET DRAINAGE PROJECT PROJECT No. 503-54	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">DESIGNED</td> <td style="width: 20%;">BLD</td> <td rowspan="4" style="width: 10%;">FIELD</td> <td rowspan="4" style="width: 50%;">PROJECT NUMBER 80287 SHEET 6 OF 10</td> </tr> <tr> <td>DR'N</td> <td>NG</td> </tr> <tr> <td>CK'D</td> <td>TRL</td> </tr> <tr> <td>DATE</td> <td>1/30/91</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <th colspan="2" style="text-align: center;">REVISIONS</th> </tr> <tr> <td style="width: 5%; text-align: center;">1</td> <td>AS BUILT BY: RV 12/10/91</td> </tr> <tr> <td style="text-align: center;">2</td> <td> </td> </tr> <tr> <td style="text-align: center;">3</td> <td> </td> </tr> <tr> <td style="text-align: center;">4</td> <td> </td> </tr> </table>	DESIGNED	BLD	FIELD	PROJECT NUMBER 80287 SHEET 6 OF 10	DR'N	NG	CK'D	TRL	DATE	1/30/91	REVISIONS		1	AS BUILT BY: RV 12/10/91	2		3		4	
DESIGNED	BLD	FIELD	PROJECT NUMBER 80287 SHEET 6 OF 10																		
DR'N	NG																				
CK'D	TRL																				
DATE	1/30/91																				
REVISIONS																					
1	AS BUILT BY: RV 12/10/91																				
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4																					

D-164
POCKET - 9
FOLDER - 36

PLAN	DATE	BY
SURVEYED		
ALIGNED		
CHECKED		
NO.		



PROFILE	DATE	BY
SURVEYED		
GRADES CHECKED		
B. M. NOTED		
STRUCTURE NOTATIONS CHK'D		
NO.		



WILLDAN ASSOCIATES, 210 N. Park Street, Flagstaff, Arizona, 86001 (602) 779-4505

**CITY OF FLAGSTAFF, ARIZONA
ENGINEERING DEPARTMENT**

**WEST STREET DRAINAGE PROJECT
PROJECT No. 503-54**

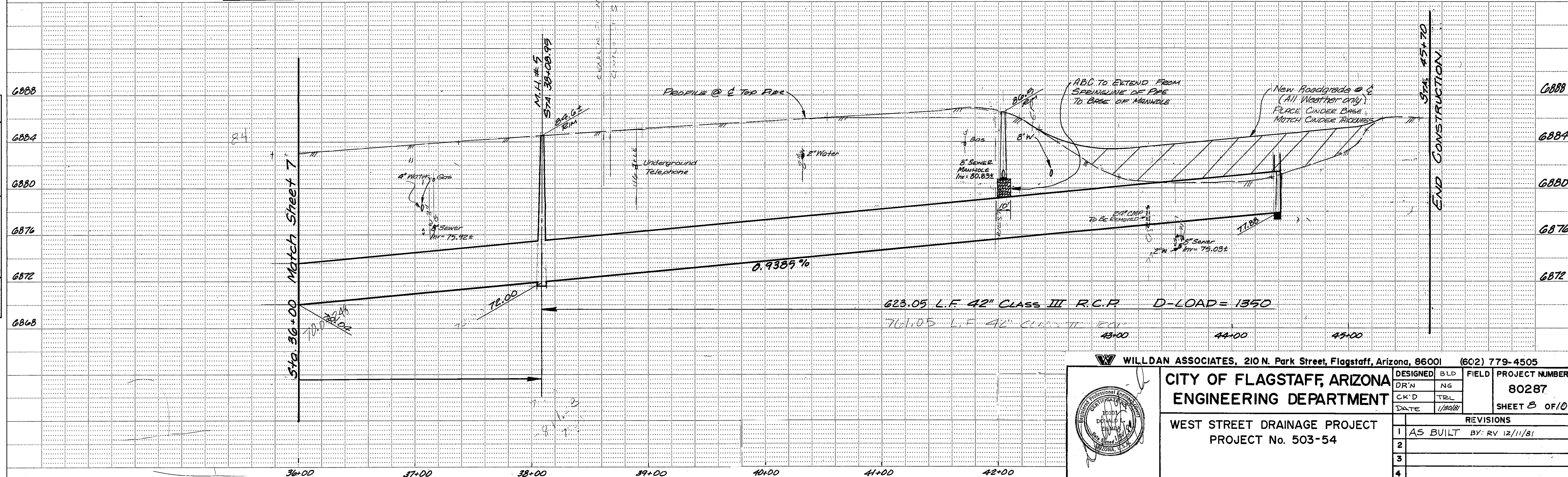
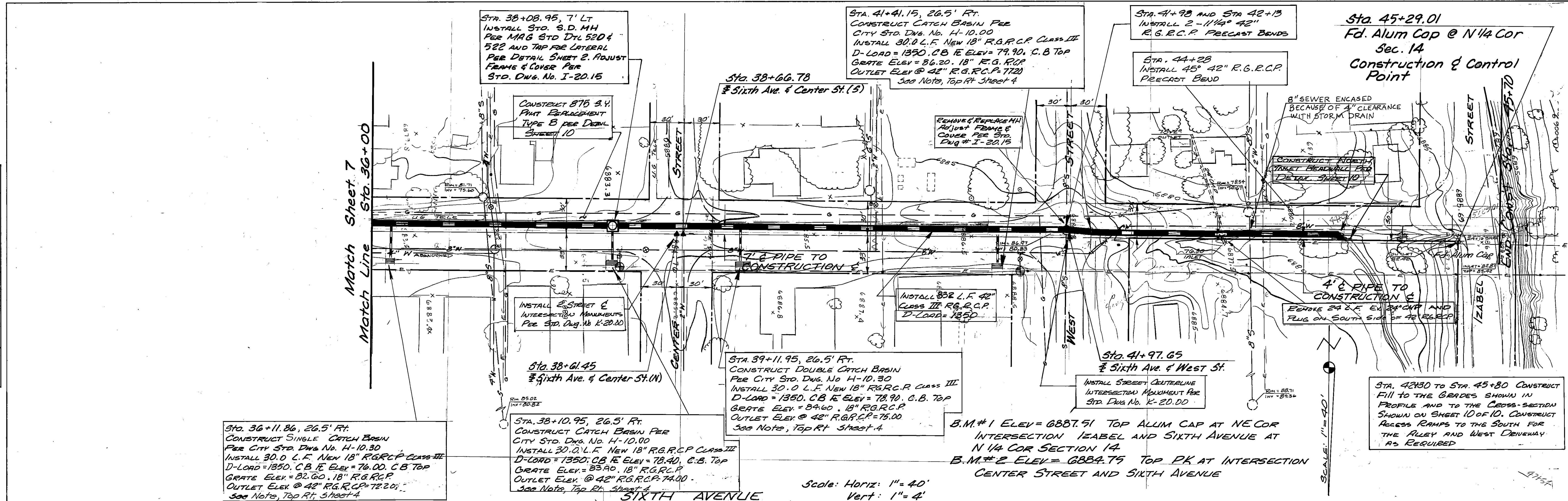
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DRN.	N.G.		80287
CK'D	TEL		SHEET 7 OF 10
DATE	1/30/81		

REVISIONS	
1	AS BUILT BY: RV 12/10/81
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PLAN	DATE
DESIGNED	
CHECKED	
NOTED	
BY	
DATE	

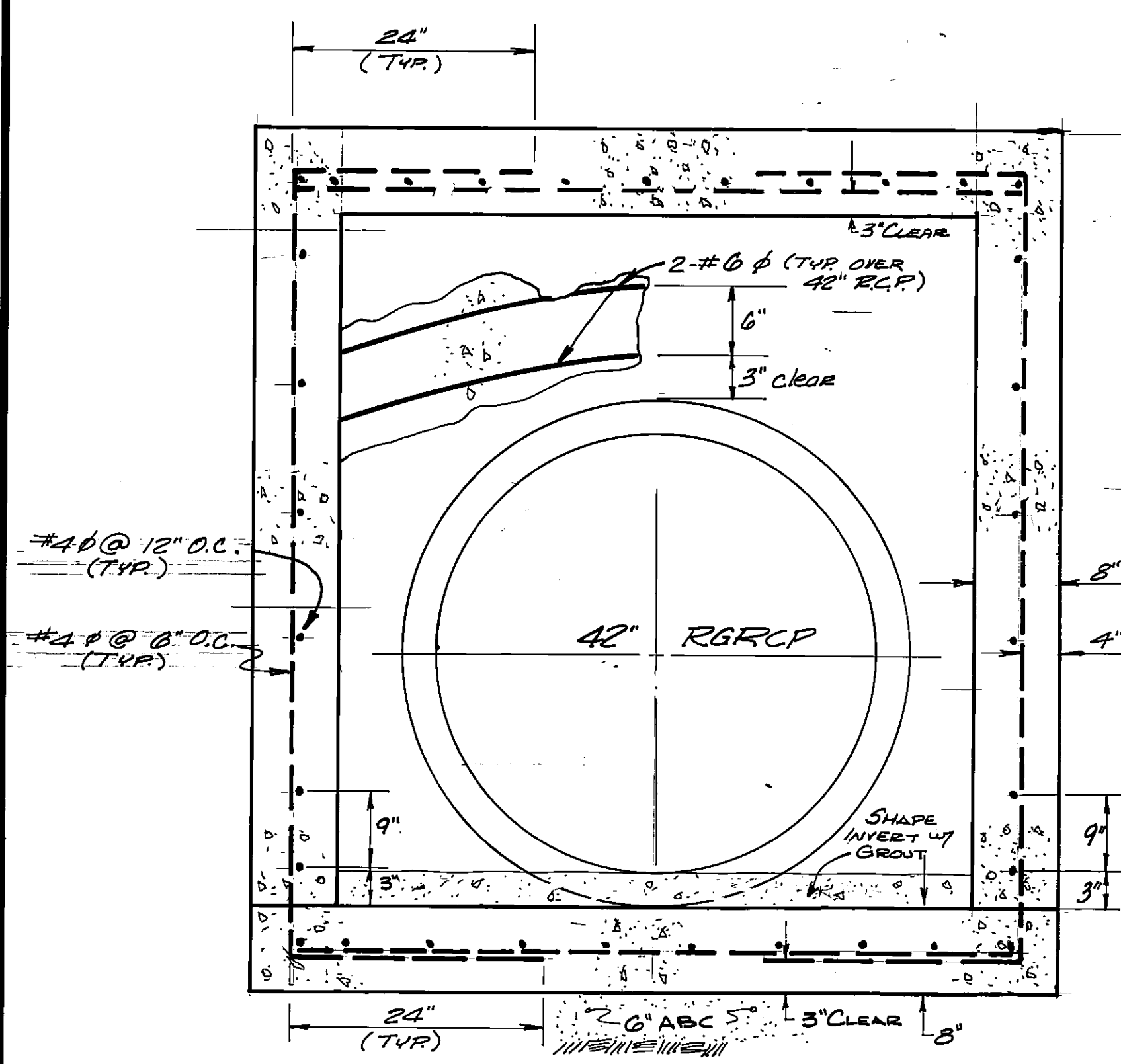


PROFILE	DATE
DESIGNED	
CHECKED	
NOTED	
BY	
DATE	

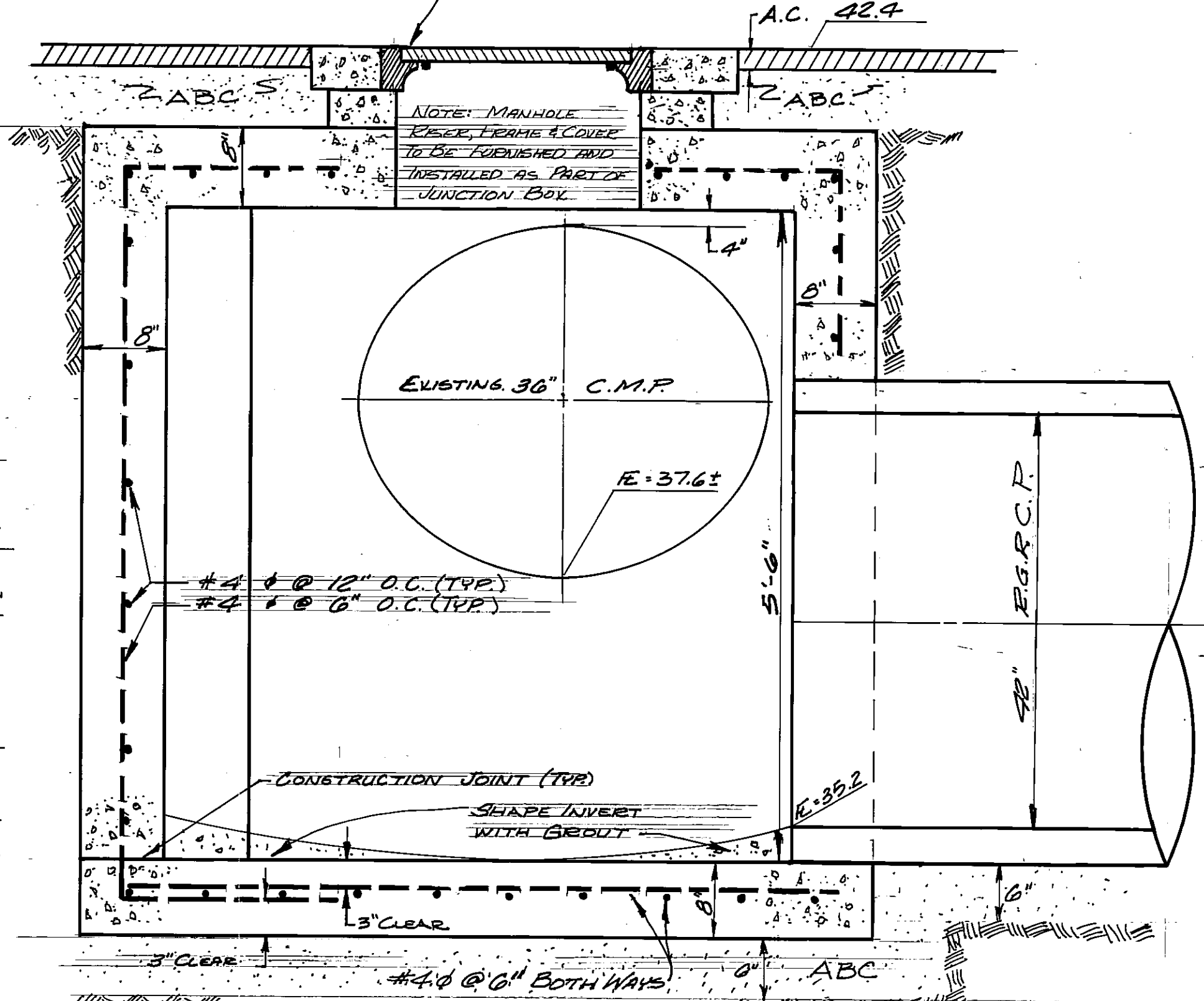


WILLDAN ASSOCIATES, 210 N. Park Street, Flagstaff, Arizona, 86001 (602) 779-4505	
CITY OF FLAGSTAFF, ARIZONA ENGINEERING DEPARTMENT	
DESIGNED BLD DR'N NG	FIELD PROJECT NUMBER 80287
CK'D TEL DATE 1/30/81	SHEET 8 OF 10
WEST STREET DRAINAGE PROJECT PROJECT No. 503-54	
REVISIONS	
1	AS BUILT BY: RV 12/11/81
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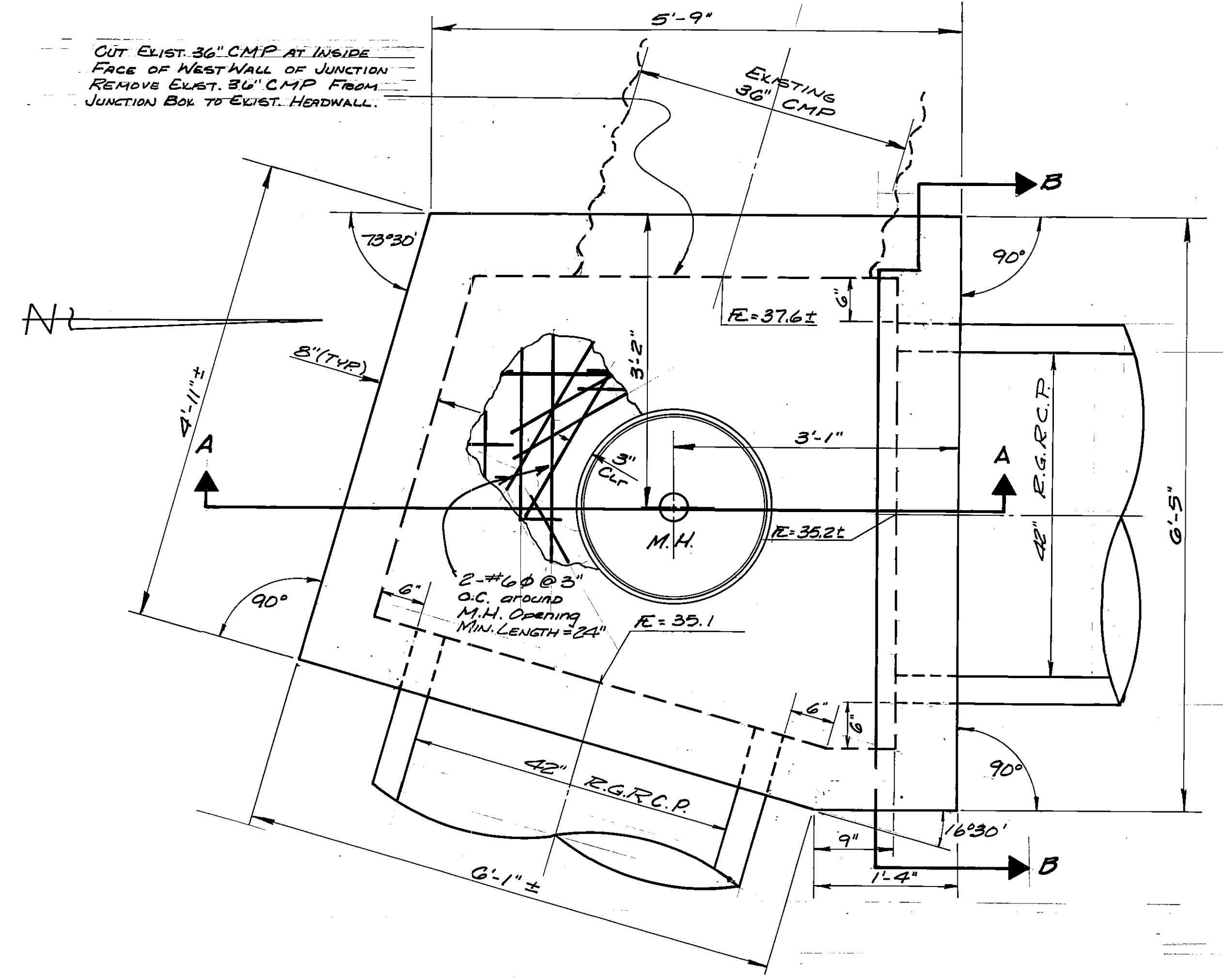
INSTALL MANHOLE RISER, FRAME & COVER
PER MAG 3rd DETAIL NO. 522. ADJUST
TO GRADE PER STD. Dwg. NO. T-2275



SECTION B-B
SCALE: 1" = 1'-0"

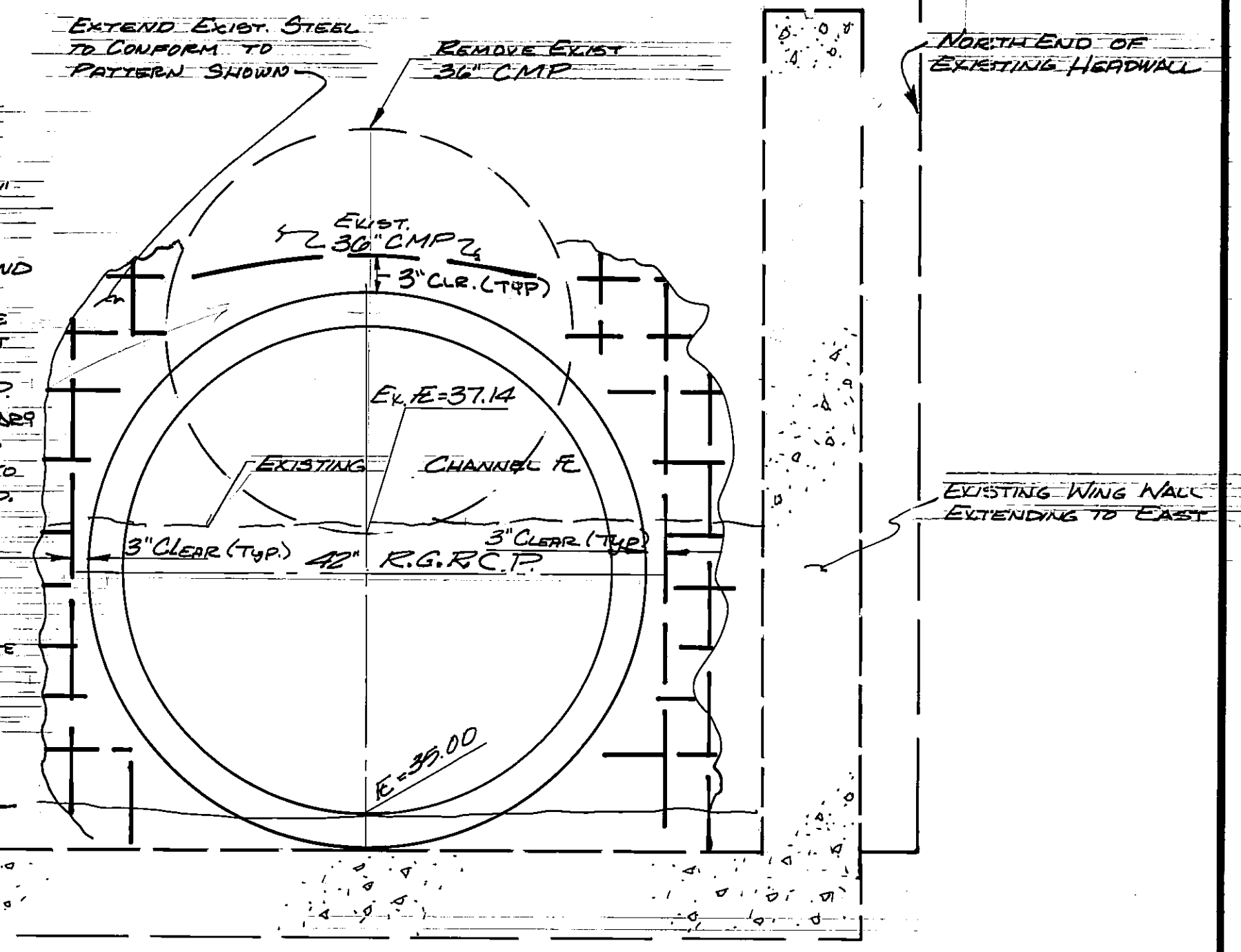


SECTION A-A
SCALE: 1" = 1'-0"



JUNCTION BOX, STA. 4+09±
PLAN VIEW
Scale: 1" = 1'-0"

- CONNECTION OF NEW 42" RGRCP TO EXISTING HEADWALL
- 1) REMOVE EXISTING 36" C.M.P.
 - 2) BREAK OUT HEADWALL AS NECESSARY TO EXTEND NEW 42" R.C.P. THROUGH HEADWALL. FLUSH WITH FRONT OF HEADWALL. REMOVE 6" CLEAR AROUND 42" R.C.P.
 - 3) INSTALL NEW 42" R.C.P. TO THE GRADE SHOWN. EXTEND EXIST. STEEL AS NECESSARY. ALLOW 3" CLEARANCE AROUND 42" R.C.P. INSTALL NEW STEEL AS NECESSARY TO FORM STEEL CAGE AROUND 42" R.C.P. WELD NEW STEEL TO EXISTING MATCH IN LIKE KIND.
- A) FORM & PLACE NEW CLASS A CONCRETE AS NECESSARY TO FILL VOID & RESTORE HEADWALL TO ITS EXISTING DIMENSIONS. FORMING, STEEL AND STEEL PLACEMENT, CONCRETE AND FINISHING OF CONCRETE SURFACES TO BE DONE IN ACCORDANCE WITH MAG SECTION 505.



CONNECTION TO EXISTING HEADWALL (SOUTH END OF 42" RGRCP)
(LOOKING WEST)
SCALE: 1" = 1'-0"

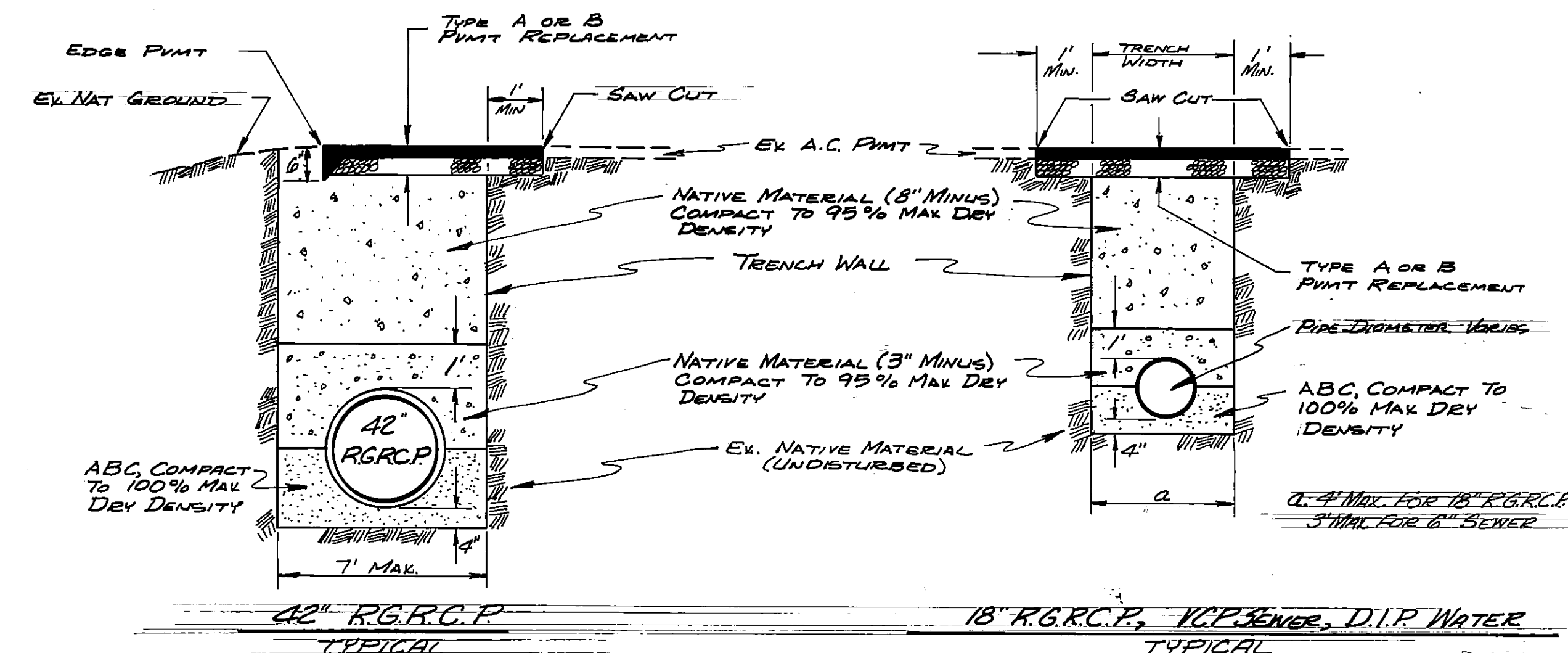
WILLDAN ASSOCIATES, 210 N. Park Street, Flagstaff, Arizona, 86001 (602) 779-4505

CITY OF FLAGSTAFF, ARIZONA
ENGINEERING DEPARTMENT

WEST STREET DRAINAGE PROJECT
PROJECT No. 503-54
DETAILS

DESIGNED	BLD	FIELD	PROJECT NUMBER
DRAWN	NG		80287
CHECKED	TEL		SHEET 9 OF 10
DATE	1/30/01		

REVISIONS	
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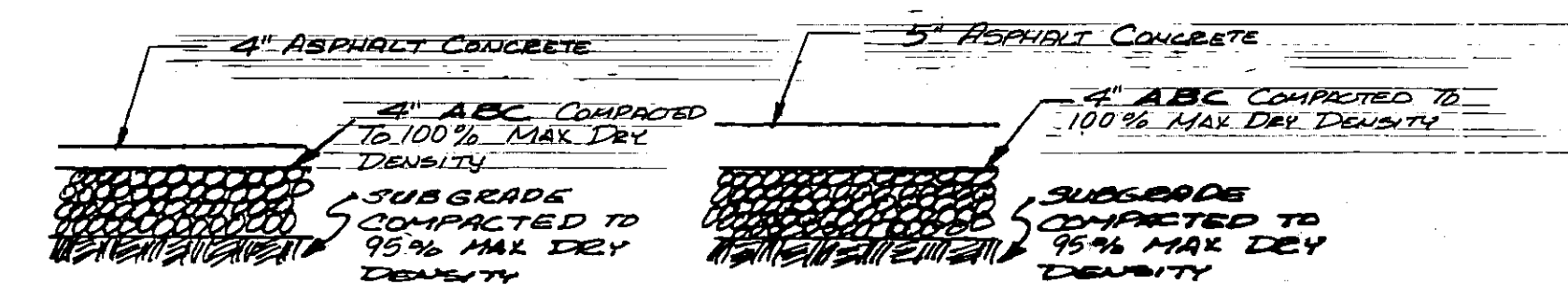


TRENCHING & BACKFILL DETAILS

NO SCALE

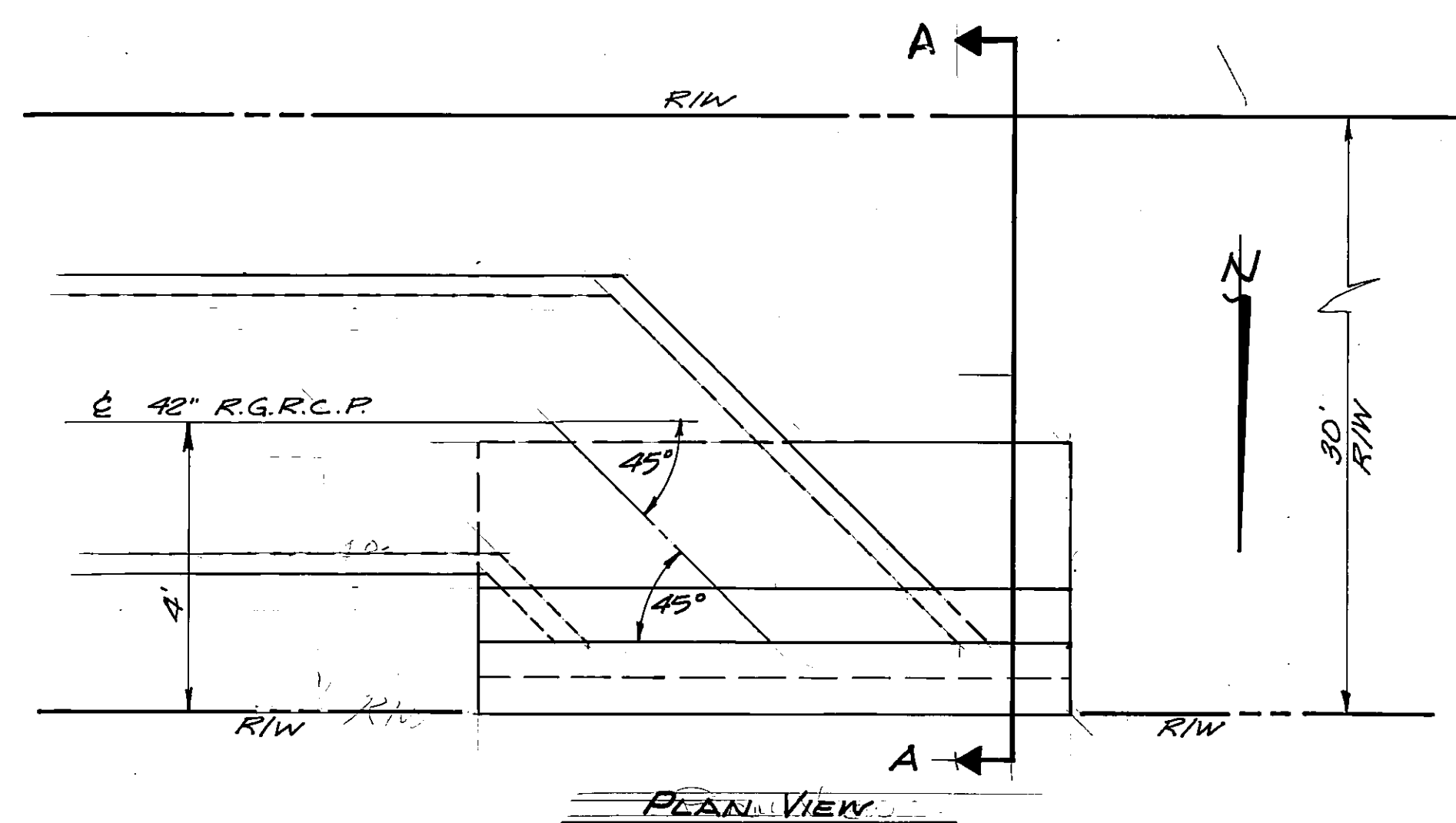
LOCAL STREETS (MAIN ST.) TYPE A

ARTERIAL STREET (6TH AVE.) TYPE B

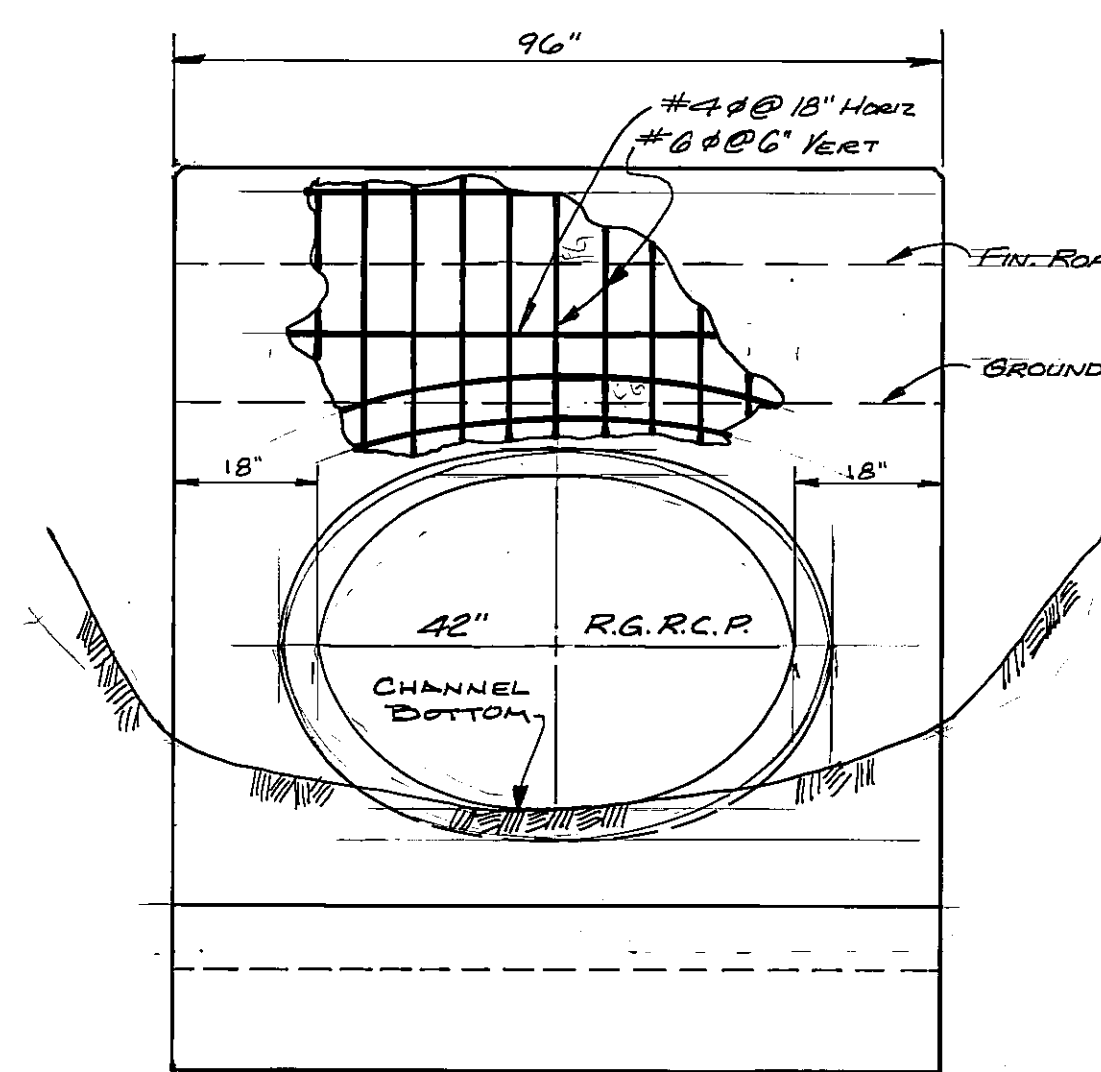


PAVEMENT REPLACEMENT

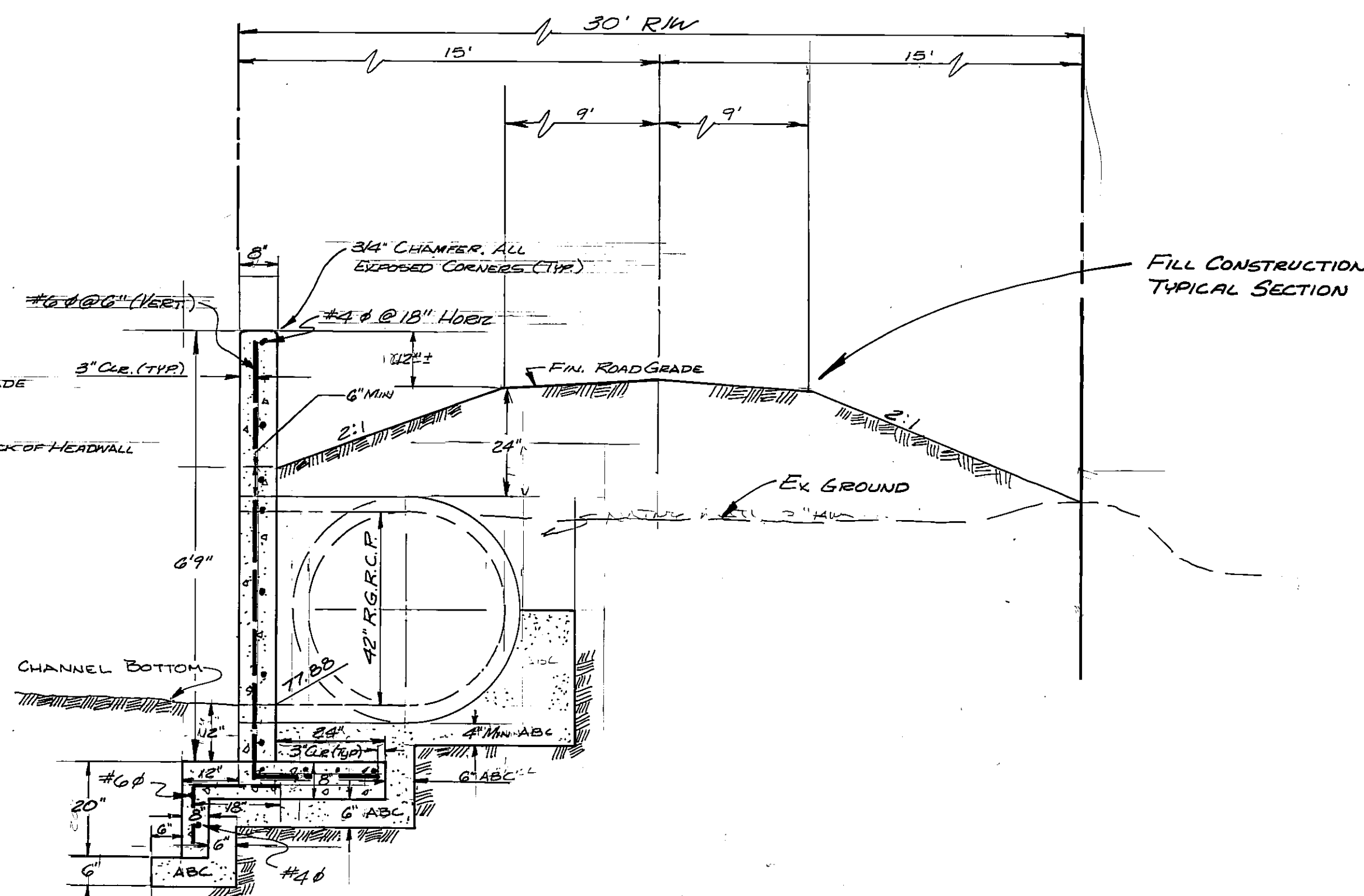
NO SCALE



PLAN VIEW



ELEVATION



SECTION A-A

NORTH INLET HEADWALL

Scale 1/8" = 1'-0"

WILLDAN ASSOCIATES, 210 N. Park Street, Flagstaff, Arizona, 86001 (602) 779-4505



CITY OF FLAGSTAFF, ARIZONA
ENGINEERING DEPARTMENT

WEST STREET DRAINAGE PROJECT

PROJECT No. 503-54

DETAILS

DESIGNED	BLD	FIELD	PROJECT NUMBER
DRAWN	NG		80287
CHECKED	TRL		SHEET 10 OF 10
DATE	1/30/87		
REVISIONS			
1			
2			
3			
4			

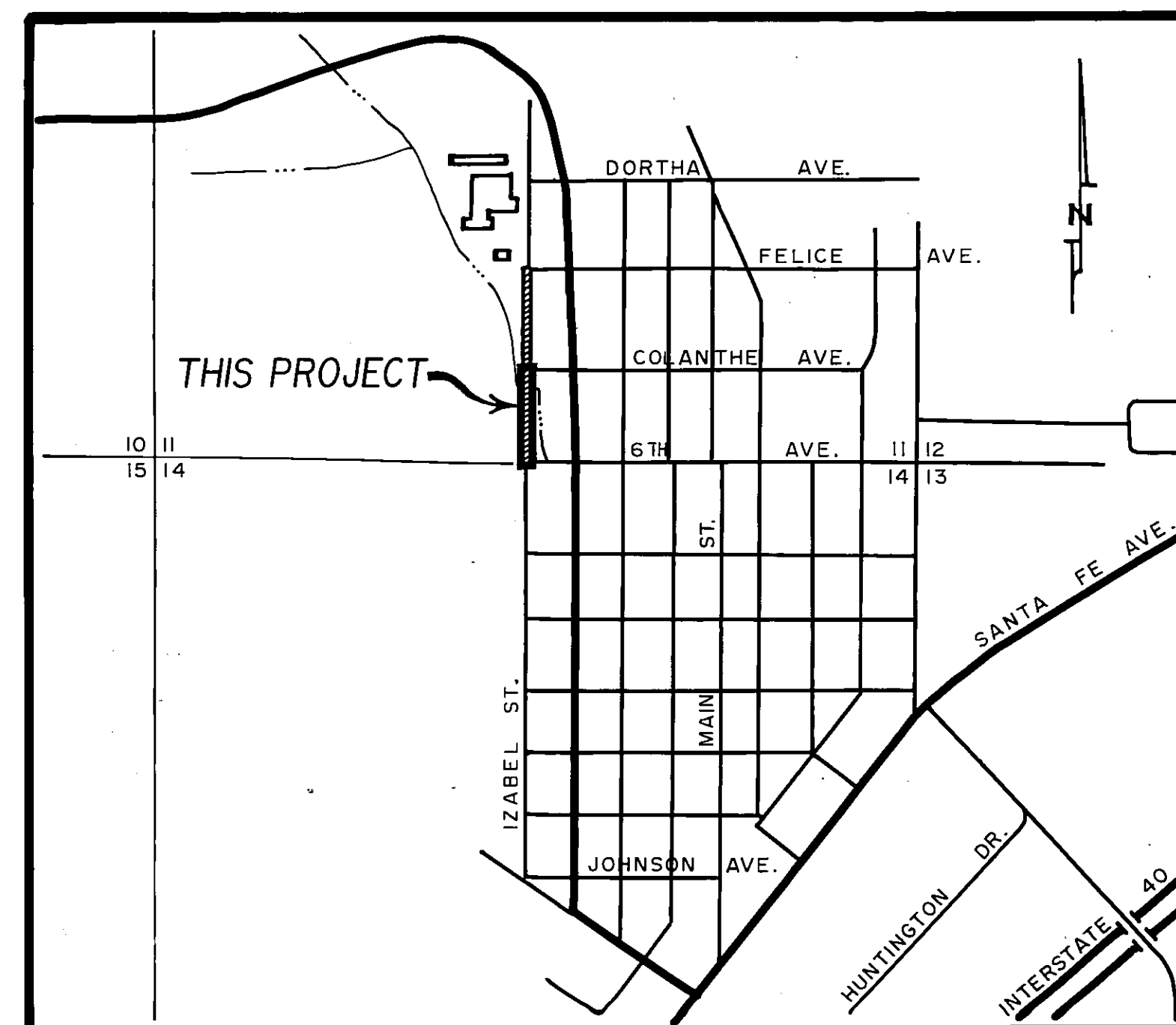
CITY OF FLAGSTAFF

IZABEL STREET IMPROVEMENTS

COLANTHE AVENUE TO 6TH. AVENUE

CITY PROJECT NO. 502-38

MAYOR.....Robert L. Moody
 COUNCIL MEMBERS
 Christopher J. Bavasi
 Steven A. Darden
 Murray S. Feldstein
 Melvin J. Hannah
 Patricia J. Loven
 R.W. Quayle
 CITY MANAGER.....Frank Abeyta
 CITY ENGINEER....Richard Perry, P.E.
 DIRECTOR OF UTILITIES
 James W. Clevenger



VICINITY MAP
 SCALE 1" = 1000'

CONCEPT APPROVAL

THE CITY APPROVES THESE PLANS FOR CONCEPT ONLY AND CERTIFIES THAT THE ENGINEER HAS SATISFIED THE MINIMUM REQUIREMENTS OF THE CITY OF FLAGSTAFF DESIGN STANDARDS. LIABILITY FOR ERRORS OR OMISSIONS IS THE RESPONSIBILITY OF THE ENGINEER.



ACKNOWLEDGEMENTS

Arizona Public Service Co. _____ Date _____
 Mountain States Telephone Co. _____ Date _____
 Southern Union Gas Co. _____ Date _____
 Warner T.V. Cable Co. _____ Date _____

APPROVED BY

City Engineer _____ Date _____
 City Utilities Services Director _____ Date _____

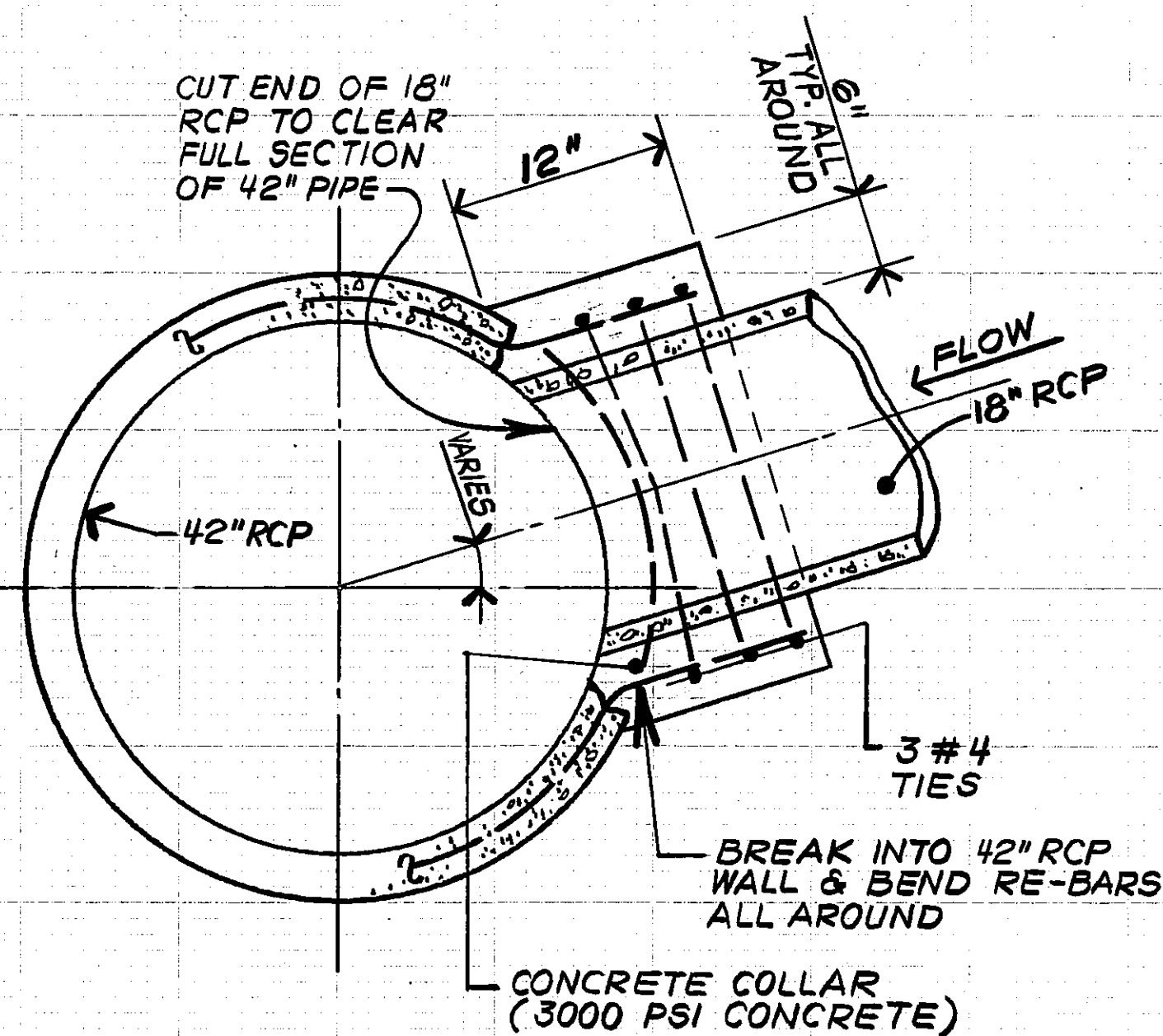
CARTER ASSOCIATES, INC.
 Phoenix, Arizona (602) 265-1774
 1550 East Meadowbrook 85014
 Tucson, Arizona (602) 624-9957
 100 West Cushing 85701
 Flagstaff, Arizona (602) 779-4509
 210 North Park Street 86001



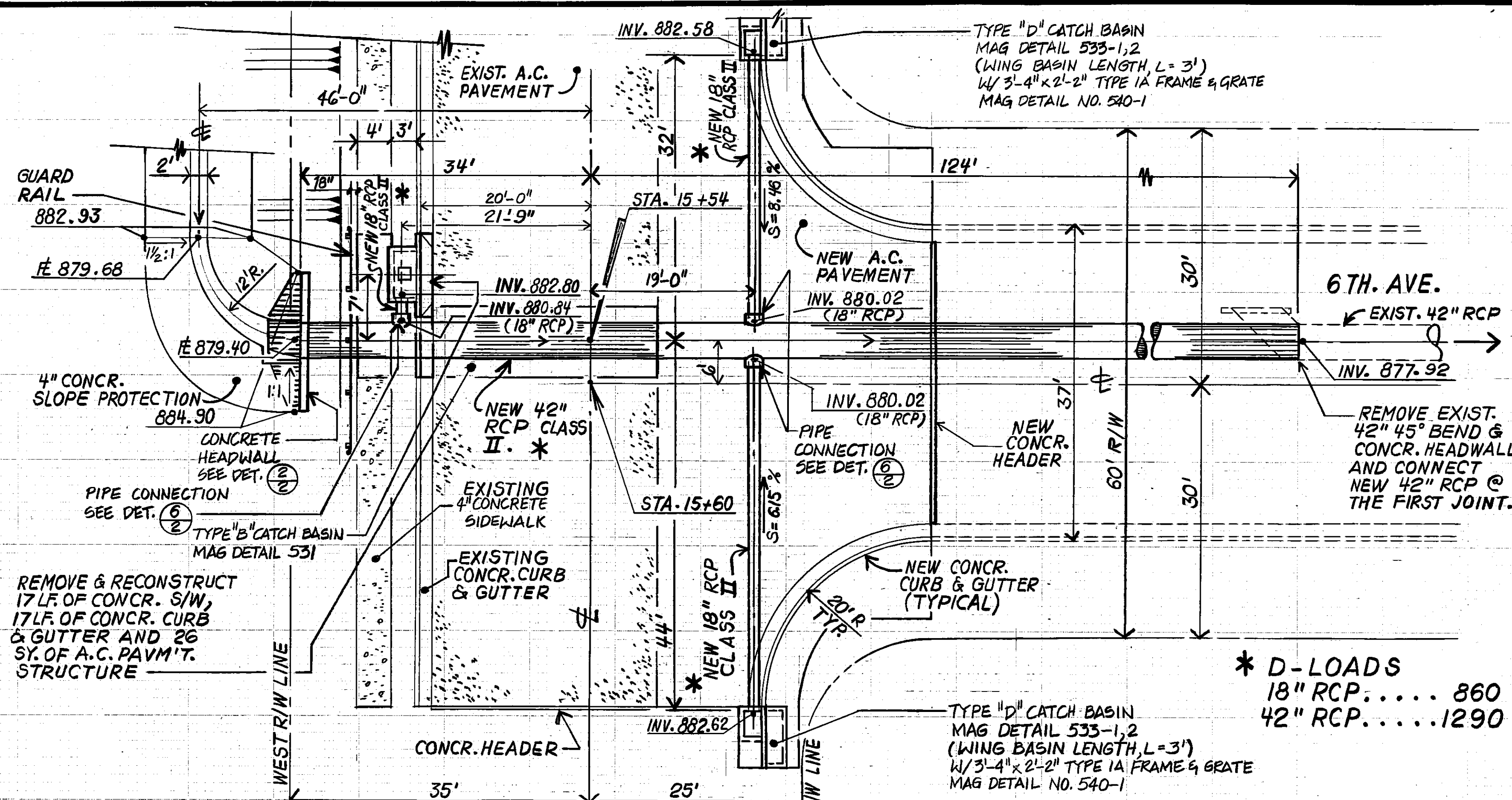
DESIGNED	JFFL
DRAWN	CFFL
CHECKED	
DATE	10-5-83
REVISIONS	



SHEET
1 OF 5
80 604

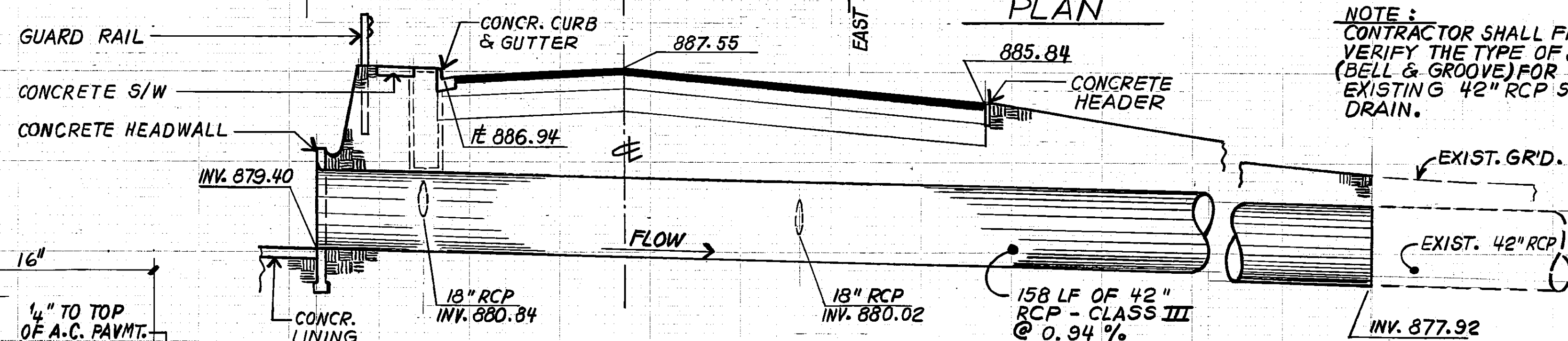


RCP CULVERT CONNECTION
NOT TO SCALE (N.I.C.)



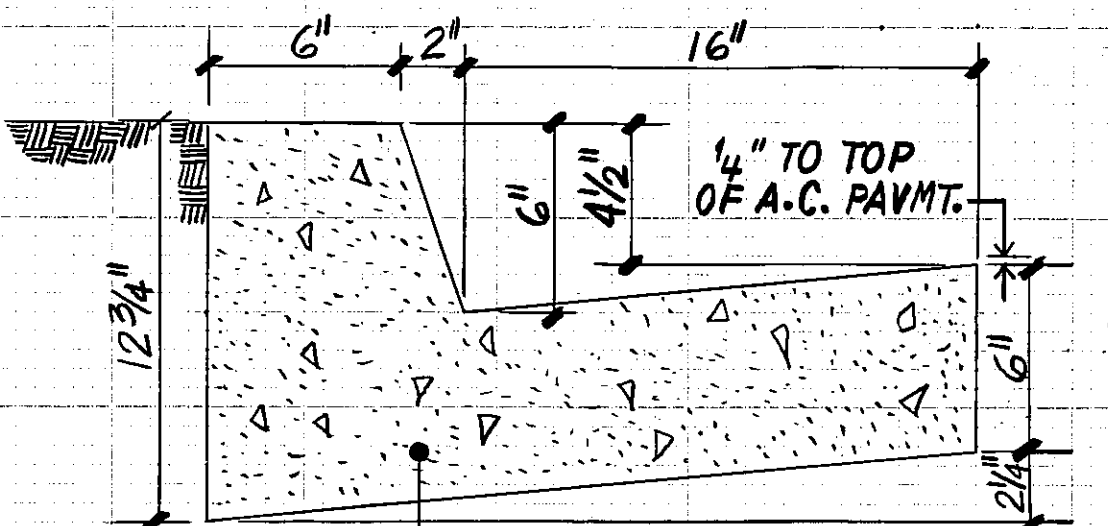
* D-LOADS
18" RCP..... 860
42" RCP..... 1290

NOTE:
CONTRACTOR SHALL FIELD
VERIFY THE TYPE OF JOINT
(BELL & GROOVE) FOR THE
EXISTING 42" RCP STORM
DRAIN.

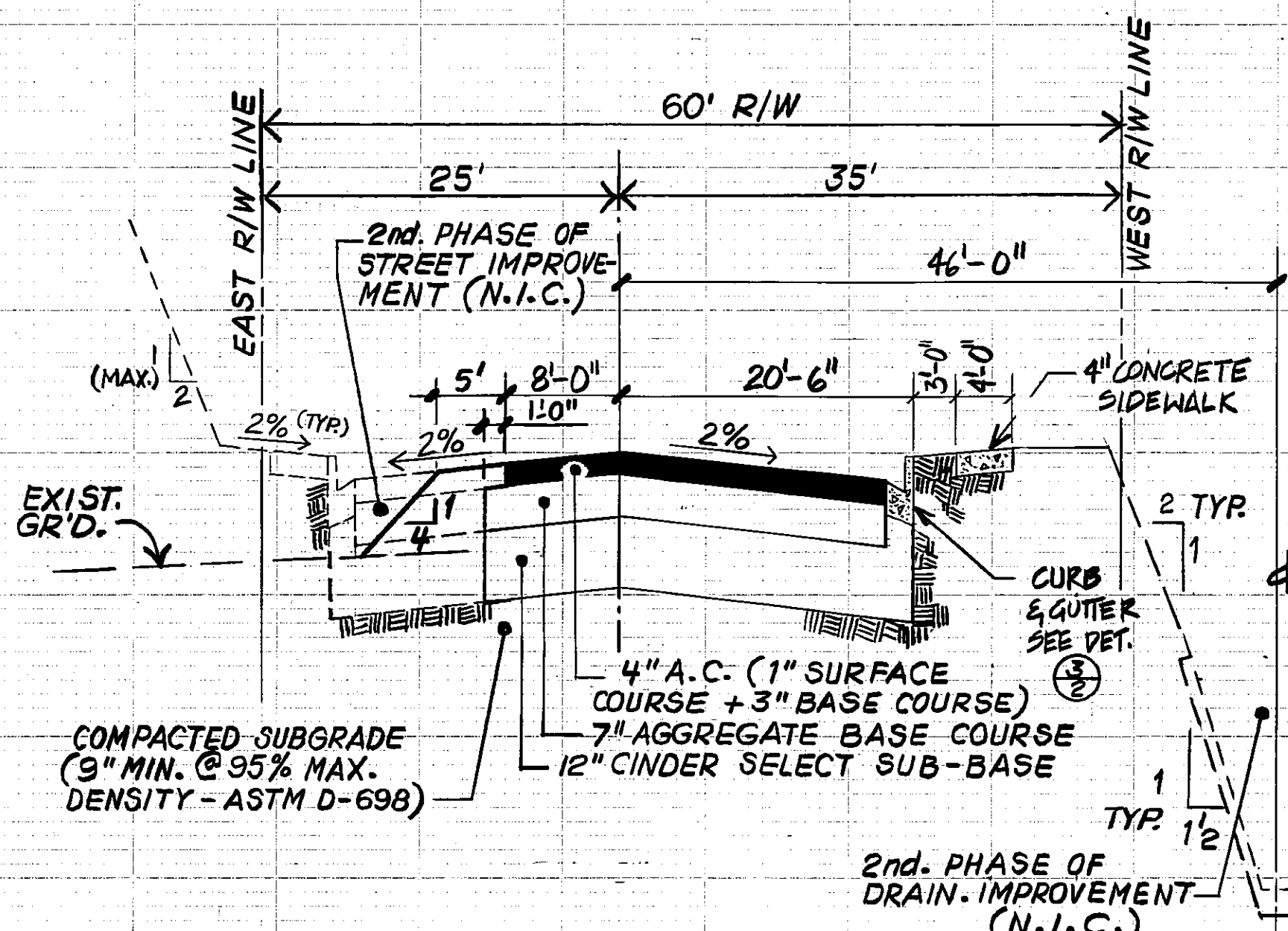


STORM DRAIN @ STA. 15+54 - DETAIL
SCALE HOR. 1" = 10'
VER. 1" = 4'

779-5139
Blue State Center
CITY OF FLAGSTAFF

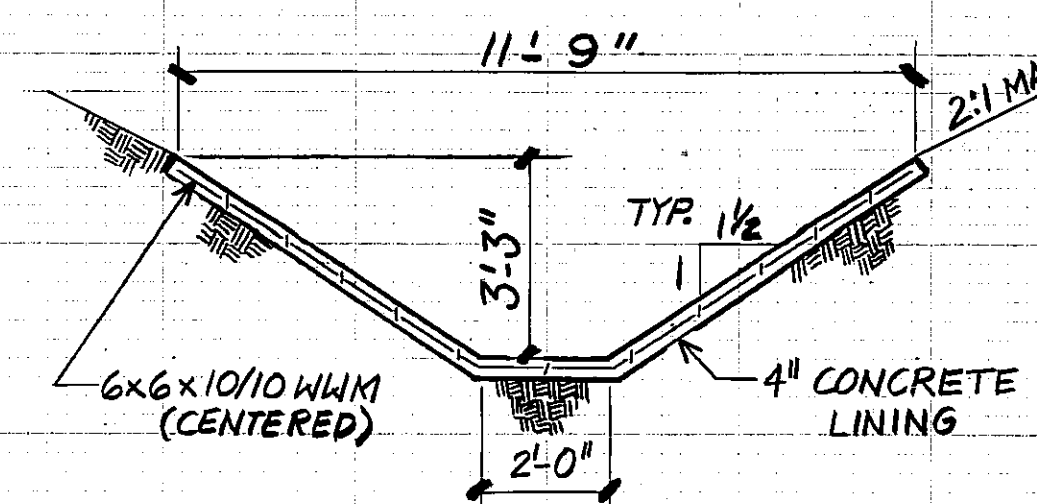


CURB AND GUTTER DETAIL
NOT TO SCALE

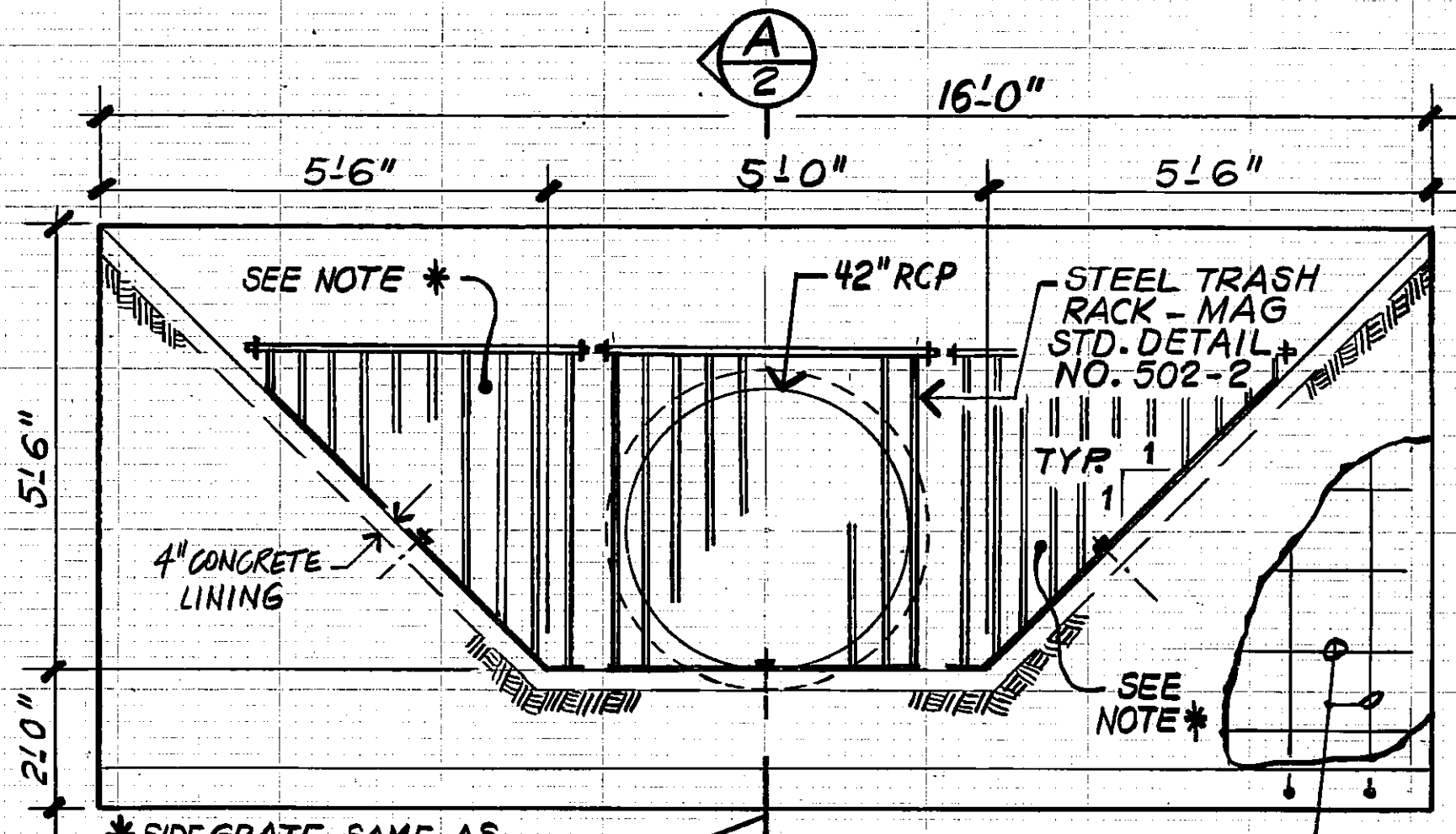


ROADWAY TYPICAL SECTION

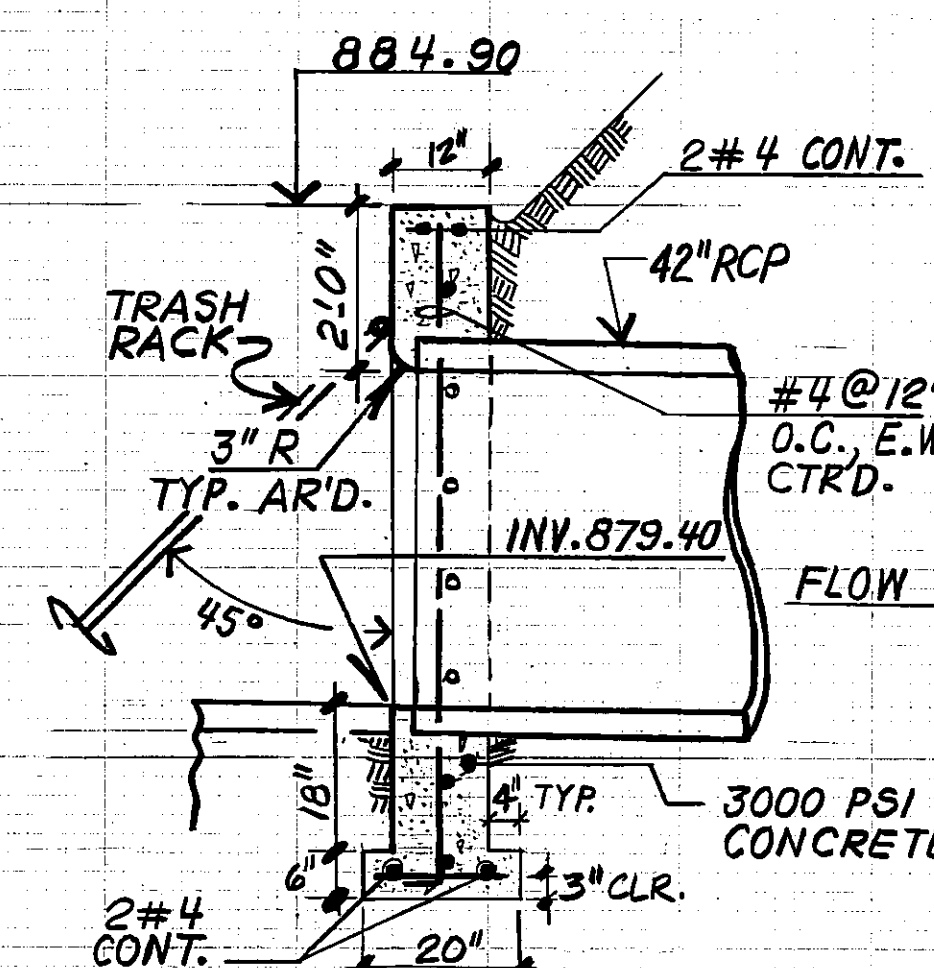
SCALE: HOR. 1" = 10'
VERT. 1" = 2'



CHANNEL LINING DETAIL
NOT TO SCALE (N.I.C.)



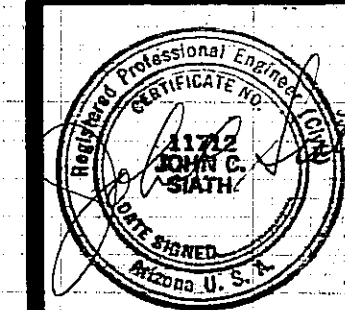
CONCRETE HEADWALL DETAIL
SCALE 1" = 2' (N.I.C.)



SECTION

CITY OF FLAGSTAFF
IZABEL STREET IMPROVEMENTS
PROJECT NO. 502-38

DETAILS

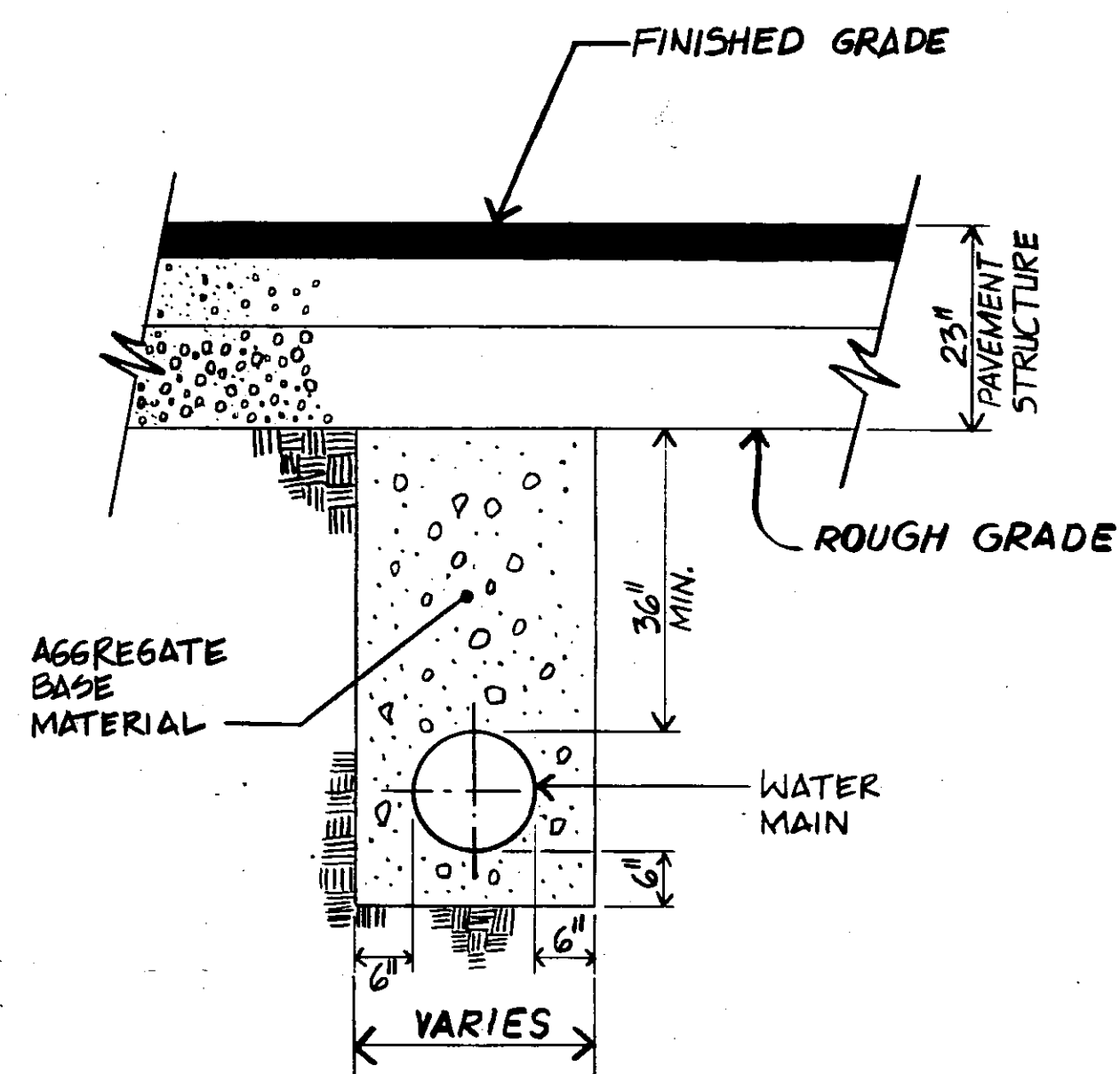


SHEET
2 OF 5
80 604

CARTER ASSOCIATES, INC.
Phoenix, Arizona (602) 265-1774
1930 East Meadowbrook 85014
Tucson, Arizona (602) 624-9957
100 West Cushing 85701
Flagstaff, Arizona (602) 779-4505
210 North Park Street 86001



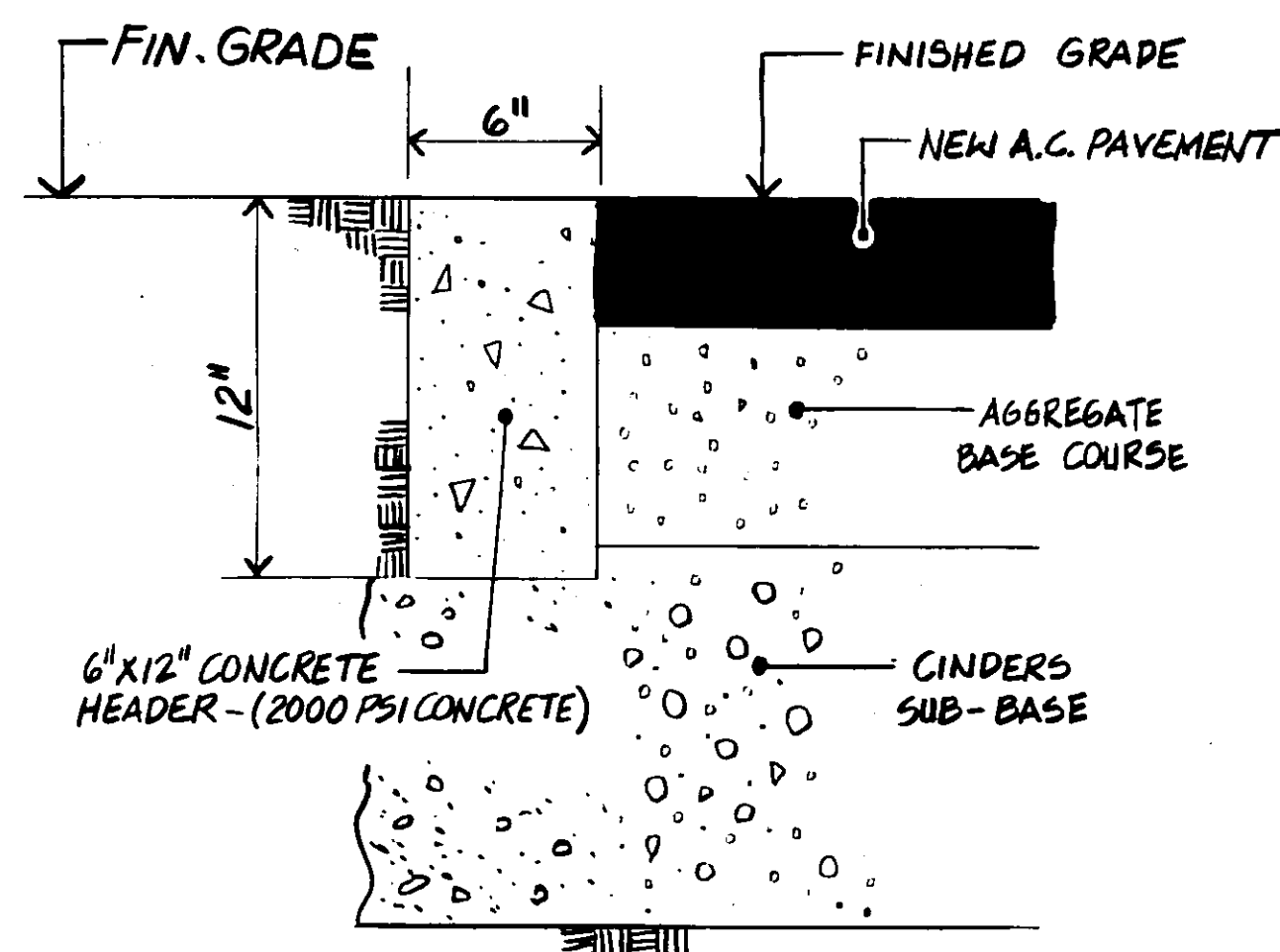
DESIGNED	CJFL	JRG - CJFL
DRAWN		
CHECKED		
DATE	10-5-83	
REVISIONS		



WATER MAIN - TYPICAL TRENCH DETAIL

NOT TO SCALE

1/3



CONCRETE HEADER DETAIL

NOT TO SCALE

2/3

GENERAL NOTES

- Approval of these plans by the City Engineer is for a one-year period, subsequent to date of review. If construction work is not started within the one-year period, or has been discontinued for any reason for longer than one year, the plans shall be resubmitted for review.
- Plan review by the City Engineer does not extend to material quantities shown on these plans.
- A public works permit, issued by the City, is required for all work in City right-of-ways or easements and for construction of any improvements intended to become public property. There will be no cost for the permits.
- The City shall be notified 24 hours prior to beginning different phases of construction so that inspectors may be scheduled.
- All materials and workmanship shall comply with the City of Flagstaff "Design Construction Standards and Specifications" and the M.A.G. "Uniform Standard Specifications for Public Works Construction" latest revision, with the latest City of Flagstaff Additions and Revisions, and with generally accepted good construction practice. All work and materials which do not conform to the Standards and Specifications are subject to removal and replacement at the contractor's expense.
- Any work performed without the knowledge and approval of the City Engineer or his representative, is subject to removal and replacement at the contractor's expense.
- The City Engineer or his representative may suspend the work by written notice when, in his judgment, progress is unsatisfactory, work being done is unauthorized or defective, weather conditions are unsuitable, or there is danger to the public health or safety.
- The City Engineer may order any or all materials used in the work to be tested according to AASHTO and ASTM Standards. The contractor shall, at his expense, supply all samples required for testing.
- The contractor shall be responsible for maintenance of the streets and of partially completed portions of the work until final acceptance of the work. Any streets required to be closed for the construction activity shall be reopened within a reasonable time or upon order of the City Engineer. The regulation and control of all traffic shall be as directed by the City Engineer.
- Approval of a portion of the work in progress does not guarantee its final acceptance. Testing and evaluation may continue until written final acceptance of a complete workable unit. Any defects which appear in the work within one year from the date of acceptance and which are due to improper workmanship or inferior materials supplied shall be corrected by the contractor.
- Acceptance of completed public improvements will not be given until defective or unauthorized work is removed & final clean-up is complete.
- Location of underground utilities before work is begun is to be accomplished in acceptance with ARS 40-360.22. Contact BLUE STAKE at 779-5139.

- Curb returns at street intersections shall be equipped with concrete handicapped ramps as per MAG Standard Detail No. 231.
- Relocation of existing gas lines and power poles shall be performed by respective utility agencies prior to beginning of construction. Co-ordination for this work will be the responsibility of the contractor.
- Existing valve boxes and MH rims & covers in paved areas within the limits of this project will be reset to match new finished grade.
- The City of Flagstaff will obtain all necessary Right-of-Way and Easements prior to construction.
- All existing sanitary sewers within the limits of this project will be viewed through TV camera by the City of Flagstaff before and after project construction. The contractor shall be responsible for repairs to damage sustained during construction, without compensation.

ASPHALT CONCRETE PAVEMENT, BASE COURSE AND SUB-BASE THICKNESS

COMPONENT	THICKNESS	MATERIAL*
Asphalt Concrete Surface Course	1.0 inch	Mix Type E-3/8
Asphalt Concrete Base Course	3.0 inches	Mix Type B-1 or C-3/4
Aggregate Base Course	7.0 inches	ABC
Select Subgrade Course	12.0 inches	Existing Cinder Surfacing

*See Attachment B for material requirements.

The recommended pavement sections are based on the following assumptions. This firm should be contacted if any of these assumptions change so that revised recommendations can be provided.

- Subgrade soil support value (SSV) of 2.5. Any required fills should be constructed using on-site or imported materials having an SSV equal to or greater than the SSV of the subgrade soils in the area being filled.
- Assumed material sources:
 - Mineral aggregate for asphalt concrete from Verde River pits.
 - Aggregate base course from McCormick Pit.
 - Select sub-base consisting of existing cinders or imported cinders meeting MAG requirements for select.

NOTE: It is not our intention to specify material sources, however, some assumptions must be made on which to base the recommended pavement section component thicknesses. Recommended thicknesses for materials from other sources can be provided upon request. Results from specific laboratory tests on these materials will be required in order to compute these thicknesses.

PAVING PLANS

- Exact point of matching termination and overlay, if necessary, shall be determined in the field by the City Engineer.
- The paving contractor shall be responsible for the adjustment of all frames, covers and valve boxes as necessary for a complete job, or as designated by the City Engineer.
- No paving construction shall be started until all utility lines are completed under proposed paved areas.
- Select sub base will not be placed until subgrade has been approved by the City Engineer or his authorized representative.
- No job will be considered completed until all curbs, pavements and sidewalks have been swept clean of all dirt and debris; and survey monuments are installed.
- The location of all water valves must at all times during construction be referenced and made available to the City Water Department.
- Utility facilities in conflict with this work will be relocated by the respective owners prior to construction through negotiations with the owners.
- Existing street & traffic signs shall be relocated by the contractor in coordination with the City of Flagstaff.
- All curb cuts to be staked in the field.
- All corrugated metal pipe material shall be gauge 14 galvanized steel.

WATER NOTES

- Rough grading must be completed prior to installation of underground utilities.
- Water settling of trenches will not be permitted.
- No trench shall be filled with bedding material or backfilled until the excavation and pipe laying, respectively, have been approved by the City Engineer.
- A pressure test is required of all water lines. Tests are to be conducted after backfilling is complete and compacted.
- Water line disinfection is to be accomplished as outlined in Arizona State Department of Health, Engineering Bulletin No. 8.
- Water pipe classifications shall be class 50 for ductile iron pipe unless otherwise specified by the City Engineer.
- The construction of the new water main shall be in accordance with ADHS Engineering Bulletin No. 10, Chapter 7.

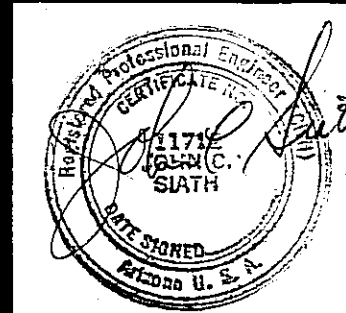


CARTER ASSOCIATES, INC.
Phoenix, Arizona (602) 266-1774
1850 East Meadowbrook 85014
Tucson, Arizona (602) 824-9957
100 West Cluising 85701
Flagstaff, Arizona (602) 779-4606
210 North Park Street 86001



DESIGNED	DRAWN	CHECKED	DATE	REVISIONS
J. RODRIGUEZ	J. RODRIGUEZ	OFFFL	10.5.83	

CITY OF FLAGSTAFF
IZABEL STREET IMPROVEMENTS
PROJECT No 502-38
DETAILS AND NOTES

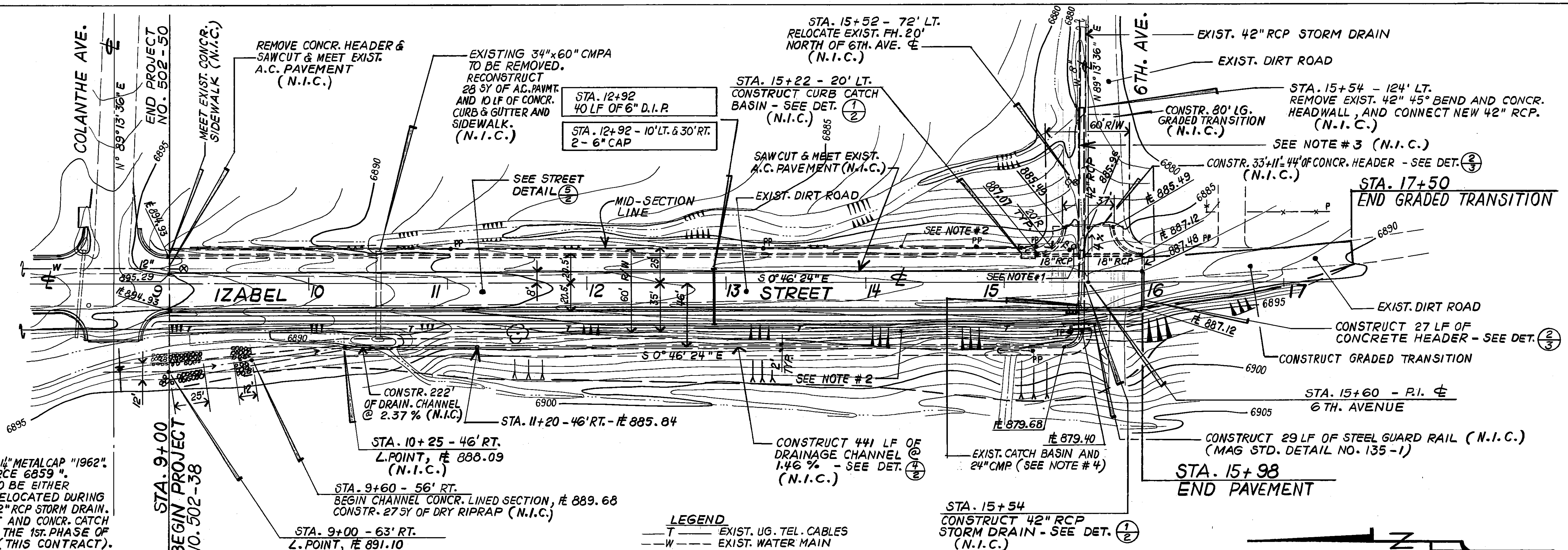


SHEET
3 OF 5
80 604

PLAN	SURVEYED	BY	DATE
	NOTED		
	NOTED		
	NOTED		

PROFILE	SURVEYED	BY	DATE
	NOTED		
	NOTED		
	NOTED		

- NOTES**
- FOUND CITY OF FLAGSTAFF 1/2" METAL CAP "1962".
 - FOUND 1/2" PIN WITH TAG "RCE 6859".
 - EXISTING 8" WATER MAIN TO BE EITHER PROTECTED IN PLACE OR RELOCATED DURING CONSTRUCTION OF THE 42" RCP STORM DRAIN.
 - EXISTING 24" CMP CULVERT AND CONCR. CATCH BASIN TO REMAIN DURING THE 1ST. PHASE OF STREET IMPROVEMENTS (THIS CONTRACT). CATCH BASIN TO BE RAISED TO ELEV. 886.94 (TOP OF GRATE). NEW CONCRETE GUTTER TO BE DEPRESSED TO PROVIDE 0.40% MIN. FLOW LINE SLOPE - SEE DETAIL BELOW. DURING THE SECOND PHASE OF IMPROVEMENTS 24" CMP AND CONCR. CATCH BASIN WILL BE REMOVED.
 - CINDER MATERIAL CONSTITUTING THE EXISTING TRAFFIC SURFACE ON IZABEL STREET WITHIN THE LIMITS OF THIS PROJECT WILL BE REMOVED AND STOCKPILED AS DIRECTED BY THE CITY ENGINEER. THIS MATERIAL SHALL BE REUSED FOR CONSTRUCTION OF THE NEW PAVEMENT SUB-BASE.



- LEGEND**
- T — EXIST. UG. TEL. CABLES
 - W — EXIST. WATER MAIN
 - PP POWER POLE
 - TP TELEPHONE POLE
 - ⊙ FIRE HYDRANT

SCALES
HOR. 1" = 40'
VER. 1" = 4'

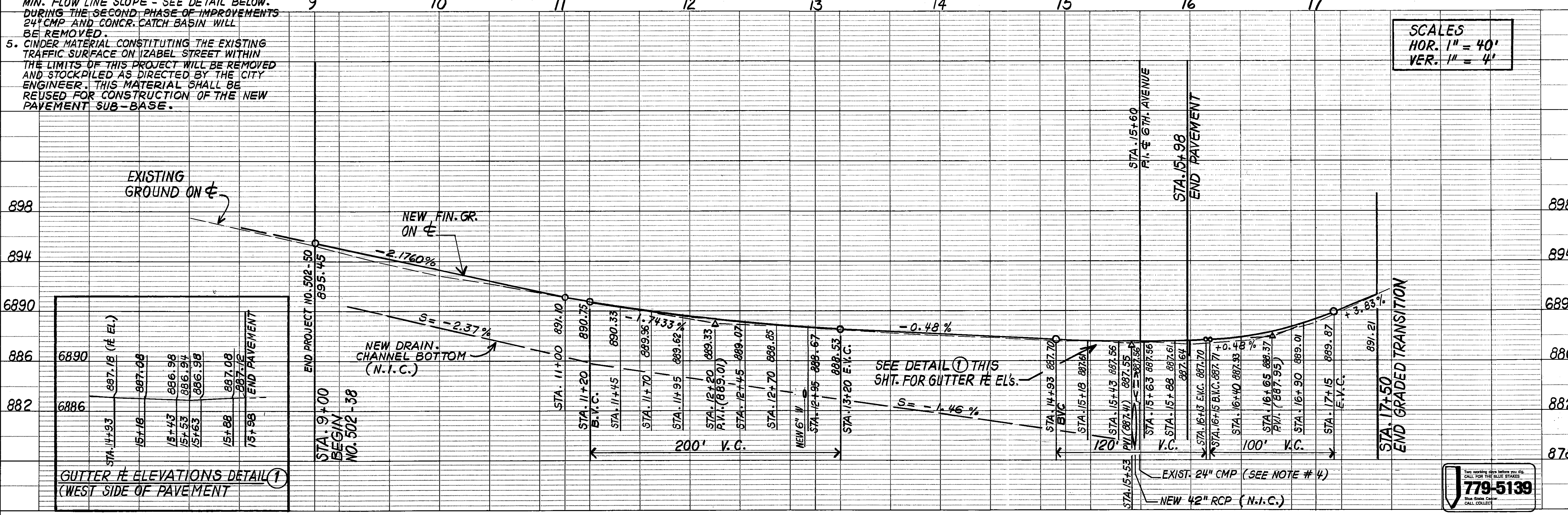


PLATE 1-SINGLE PLAN AND PROFILE-LINE & DOT
PRINTED IN U.S.A.

CARTER ASSOCIATES, INC.
Phoenix, Arizona (602) 265-1774
1550 East Meadowbrook (602) 850-14
Tucson, Arizona (602) 624-9957
Flagstaff, Arizona (602) 778-4505
210 North Park Street 86001

CITY OF FLAGSTAFF
IZABEL STREET IMPROVEMENTS
PROJECT NO. 502-38
PLAN & PROFILE
STA. 9+00 TO STA. 17+50

DESIGNED: J.F.F.
DRAWN: J.F.F.
CHECKED: J.F.F.
DATE: 10-4-83
REVISIONS:

779-5139
CALL COLLECT

SHEET
4 OF 5
80 604

R-364, POCKET-29
FOLDER-117

6890

890.26
890.10

STA. 11+50

891.10
890.94

STA. 11+00

892.19
892.03

STA. 10+49.50

893.27
893.11

STA. 10+00

894.37
894.21

STA. 9+50

895.45
895.29

STA. 9+00

2nd PHASE
(TYP.) - N.I.C.
1st. PHASE

6887

888.15
887.99

STA. 14+00

888.39
888.23

STA. 13+50

888.64
888.48

STA. 13+00

889.03
888.87

STA. 12+50

889.56
889.40

STA. 12+00

2nd PHASE
(TYP.) - N.I.C.
1st. PHASE

6890

888.11

STA. 16+50

887.64
887.48

STA. 15+98

887.55
887.39

STA. 15+50

887.67
887.51

STA. 15+00

887.91
887.75

STA. 14+50

2nd PHASE
(TYP.) - N.I.C.
1st. PHASE

6892

891.21

STA. 17+50

889.35

STA. 17+00

1st. PHASE

NOTE:
TOP SOIL MATERIAL FROM CLEARING & GRUBBING (CUT TO WASTE) & CUT TO STOCKPILE SHALL BE DISPOSED OF ON ADJACENT CITY PROPERTY AS DIRECTED BY THE CITY ENGINEER. CONTRACTOR SHALL CO-ORDINATE THIS WORK WITH THE CITY OF FLAGSTAFF.

EARTHWORK QUANTITIES		
	1st. PHASE	2nd. PHASE
CUT FOR FILL	648 CY.	1772 CY.
CUT TO STOCKPILE	1667 CY.	3530 CY.
CUT TO WASTE (4" TOP SOIL)	365 CY.	550 CY.
	N.I.C.	

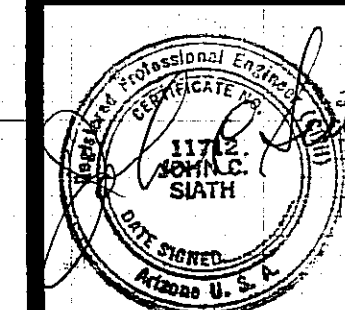
SCALES HOR. 1" = 40'
VER. 1" = 4'

CARTER ASSOCIATES, INC.
Phoenix, Arizona (602) 265-1774
1930 East Meadowbrook 85014
Tucson, Arizona (602) 624-9957
100 West Cushing 85701
Flagstaff, Arizona (602) 779-4505
210 North Park Street 86001



DESIGNED **R. S. MEYER**
DRAWN **JRG - C/F/L**
CHECKED
DATE **10-4-83**
REVISIONS

CITY OF FLAGSTAFF
IZABEL STREET IMPROVEMENTS
PROJECT No 502-38
CROSS SECTIONS
STA. 9+00 TO STA. 17+50



SHEET
5 OF 5
80 604