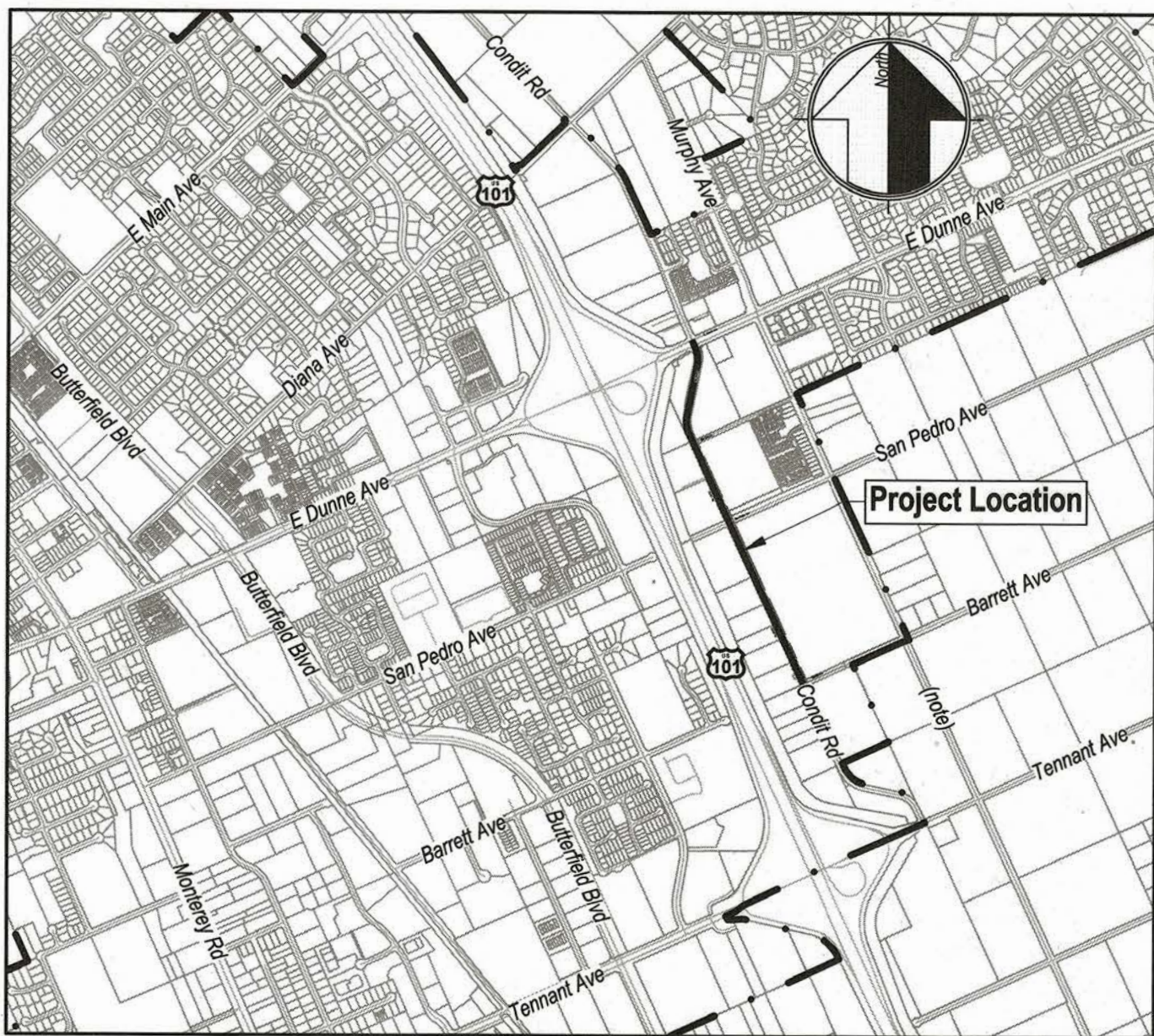
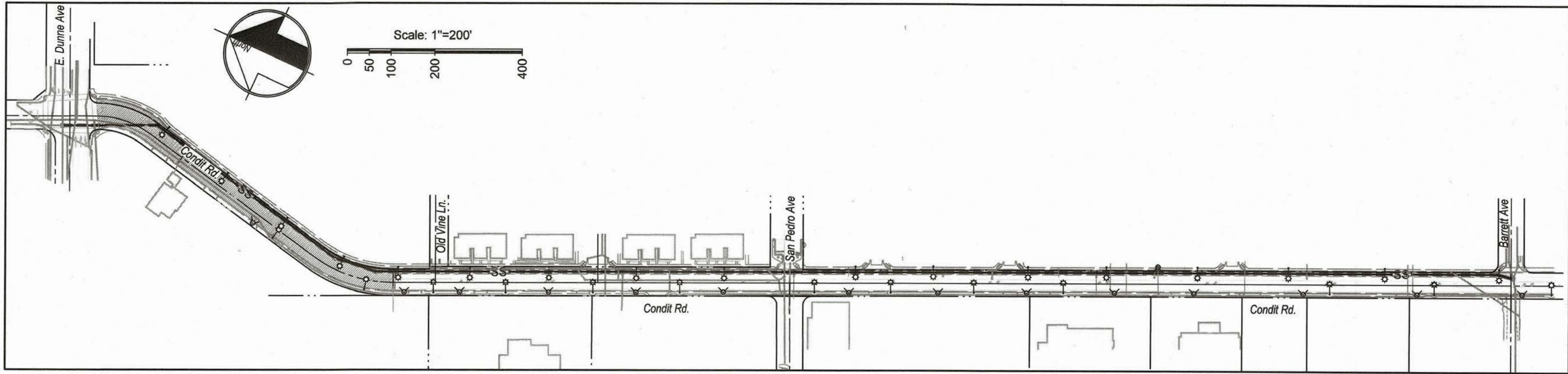


use in conjunction with the Project Specifications, the Standard Details of the City of Morgan Hill, and the Standard Plans and Specifications of the State of California Department of Transportation



Vicinity Map

Sheet List Table

#	Title
1	Cover Sheet
2	General Notes
3	Existing Conditions 0+50 to 13+50
4	Existing Conditions 13+50 to 26+50
5	Existing Conditions 26+50 to 36+00
6	Plan Profile - Condit Road 0+50 to 7+00
7	Plan Profile - Condit Road 7+00 to 13+50
8	Plan Profile - Condit Road 13+50 to 20+00
9	Plan Profile - Condit Road 20+00 to 26+50
10	Plan Profile - Condit Road 26+50 to 33+00
11	Plan Profile - Condit Road 33+00 to end
12	City Standard Details
13	City Standard Details

1 OF **13**

1. All elevations shown upon this plan are based upon Santa Clara Valley Water District (Valley Water) Benchmark BM52 located at the north corner of E. Dunne Avenue bridge over Highway 101 (Bridge No. 37-0334 PM16.01 1972). Brass disk is located 5.00 feet northeast from the end of concrete headwall; 12.8 feet westerly from telephone manhole and 6.50 feet westward from electrolite #4343. Elevation 382.20 (NAVD88).
2. All existing elevations shall be field verified by contractor unless otherwise noted.
3. All survey monuments shall be installed at locations shown on the corresponding final map before acceptance of the subdivision.
4. Contractor shall not destroy existing permanent survey monuments.
5. All work shall conform to the latest edition of the City of Morgan Hill Standard Details for Construction which are hereby made a part of these plans. Deviations from the Standard Details must be approved by the City Engineer.
6. Developer shall arrange for a pre-construction meeting with the City Engineer (Municipal Code 17.32.250b) prior to commencing any construction. An encroachment permit shall be obtained from the Public Works Department upon completion of said meeting and prior to construction of any improvements within an existing or offered for dedication right-of-way, public utility easement or public service easement.
7. A grading permit shall be obtained from the City of Morgan Hill Building Division prior to any grading of building pads. Applicant for the grading permit shall provide a plan review letter from the Sols Engineer. A grading permit does not give contractor permission to commence off-site (street) grading. Only upon City approval of the improvement plans and completion of a pre-construction meeting, shall contractor commence off-site grading.
8. Contractor shall notify the Public Works Department 48 hours prior to commencement of any work phase. At that time, an "Inspection Request Form" shall be completed to ensure proper scheduling of an inspection with the City Engineer's Representative.
9. Contractor shall preserve surrounding property by confining operations to within the "Limits of Work". Contractor shall be responsible for maintaining access for all adjoining residents, places of business, and properties at all times and in a safe manner. Contractor shall make proper notification at least 24 hours in advance of any interruption in access or service to the above property owners as well as to the City Engineer's Representative.
10. Contractor shall only use equipment provided with a spark arrester device to reduce a potential fire hazard.

11. Right of Modification: Approval of this plan does not release Subdivider of the responsibility for correction of mistakes, errors, or omission, contained therein. If during the course of construction, public interest requires a modification of or a departure from these improvement plans or the City Standard Details for Construction, the City Engineer shall have the authority to require such modifications and departures and to specify the manner in which the same is to be made.

12. Off-Site Water & Dust Control:
Contractor shall provide a water truck onsite at all times. Contractor will be allowed to draw water from the City of Morgan Hill Water Distribution System only after obtaining a hydrant meter from the Public Works Department and an inspection of the water truck for a proper backflow device or "air-gap" filling pipe. Developer has paid for "off-site" construction water which shall not be used for building construction. Contractor shall keep dust down from construction activity to the maximum extent possible. Contractor shall clean all existing streets, curbs, gutters, and sidewalks affected by the project at the end of each working day.

13. Material Storage:
No material shall be stored near the edge of pavement, traveled way, sidewalk, driveway, or shoulder line which may create a hazard for vehicular and pedestrian traffic.

14. Traffic Control:
Contractor shall submit a traffic control plan for approval to the Public Works Department a minimum of 5 days prior to any work within an existing public street. The plan shall be signed by a licensed Traffic Engineer when it involves an arterial street. Contractor shall provide all necessary traffic control in accordance with the latest edition of the "TRANS Manual of Warning Signs, Lights, and Devices for Use in Performance of Work Upon Highways", while working within the public right-of-way. Two traffic lanes (10' each) shall remain in vehicular traffic during all hours, weekends, and holidays. One L, one U, one P, shall be permitted under the control of not less than 2 (two) competent flagmen during construction operations. Street closures and detours shall only take place upon City Engineer approval and Police Department coordination through the Project Engineer.

15. Trench Excavation:
Contractor shall exercise diligence in reviewing the approved SLO Report and other available resources to familiarize himself/herself with the soil conditions to be encountered in the course of work identified in these plans. Contractor shall not cause damage to adjacent trees or existing structures above or below grade during trench excavation, all small root buttlers, and large stumps encountered shall be removed to provide a clearance of 6 inches around the pipe. The trench bottom shall be refilled to grade with sand, pea gravel, or other approved granular material. Clean 1/4" or 1/2" pea gravel shall be used in areas of mesh placement, or where the soil has a history of sub-surface water. If the bottom of the trench is found to consist of wet or unstable material incapable of properly supporting the pipe, the material shall be removed to a minimum depth of 12 inches below the unstable layer for the full width of the trench and replaced with approved granular material. Trench excavation material deposited adjacent to the trench shall be placed and located to prevent spillage into the open trench.

16. Trench Safety:
It shall be Contractor's responsibility to provide all necessary trench safety measures for excavations. All trench safety measures shall be in accordance with the latest CAL/OSHA guidelines. Contractor shall provide evidence of a CAL-OSHA trenching permit at the pre-construction meeting.

17. Excavations within the public right-of-way shall be backfilled, compacted, and temporarily paved with cold mix "cut back" type A/C to allow for vehicular and pedestrian traffic prior to 4:00 P.M. The use of trench plates is allowed, provided the Contractor covers all edges of the plates with cold mix material. It shall be the Contractor's responsibility to maintain on a daily basis, including weekends, the amount of material necessary to maintain the trench surface flush with the existing street or sidewalk. In addition, the Contractor shall respond to and correct shifting trench plates regardless of the time of day. If Contractor fails to correct sinking backfill material or shifting trench plates in a timely manner, City shall reserve the right to correct the problem and back charge the contractor.

18. Joining Existing Pavement:
Existing pavement which is to be joined by new pavement shall be saw cut vertical to provide straight, true and neat joints. Overlapping of existing pavement without saw cutting or grinding shall not be permitted. The vertical edges shall be tacked prior to Terminals of all surfacing indicated on the plans shall join any existing surface in a smooth butt joint. Conform paving by method of abrasive grinding will be allowed upon approval of the City Engineer.

19. Sanitary Sewers: All manholes, sewer mains, and laterals must pass a leakage test as described in the City of Morgan Hill Standard Details for Construction. After all backfill, testing, and pavement restoration has been completed, the contractor shall flush and clean all sewer lines 24 inches or less in diameter by the "Wayne Ball Method". After the leakage test, but prior to paving, a television inspection shall be performed at all locations of newly installed sewer mains at contractor's expense. The underground contractor must keep an accurate record of manholes and the distance between them and each we branch lateral, and their direction.

20. Before any upstream sewers are constructed, the contractor shall verify the elevation and location of existing sewer lines to be connected.

17. The end of each new lateral shall be marked as shown in Detail 5-21. The concrete contractor shall stamp an "S" on the face of curb directly above the lateral.

22. Water Lines:
Contractor shall not turn off or on any valves belonging to the City's water system. Only Department of Public Works personnel shall open the necessary valves to connect new lines. Failure to follow this requirement shall be considered an "unlawful connection" and may result in issuing of a citation and fines as specified in Section 13.04 of the Morgan Hill Municipal Code.

23. Connections requiring shut down of the system shall be done between the hours of 10:00 PM and 6:00 AM, and only upon coordination with the Engineering & Utilities Department.

24. All water lines shall be tested after completion of the trench backfill and compaction of the final base material, but prior to placement of the final roadway surface.

located in unimproved areas or fields. The posts shall be pressure treated redwood 4'x4'x6', painted white, buried 2'-6", and inscribed with "W.A.V." (for air relief valves) or "B.O." (for blow off assemblies), in 3 inch high carved letters painted blue.

Backfill material shall be hand placed and compacted up to at least 6" above the pipe. When using native soil as trench backfill, the minimum sand cover shall be 12".

28. Jetting and/or flooding of trench backfill material will be permitted only if approved by the Soils Engineer and City

29. Any excess excavation material may be deposited onsite in areas and at depths designated by the Owner, and with approval of the City Engineer.

The minimum relative compaction for trench bedding, subgrade and base material shall be 90% throughout the project unless recommended otherwise in the soils Report and approved by the City Engineer.

backfill material is native soil, contractor shall provide compaction test results of the lifts specified in the Soils

Report to the City Engineer from a certified testing laboratory at contractor's expense.

32. Any aggregate base that becomes contaminated during construction shall be removed and replaced with uncontaminated base.

33. Erosion and Sediment Control:

An erosion and sediment control plan shall be required prior to any physical development of a property. Erosion control shall be performed between October 15th and May 1st, and sediment control shall be planned year round for the life of the project. Said plans shall meet the minimum standards and specifications of the California Stormwater Quality Association (CSQA) for Stormwater Best Management Practices (BMPs). Contractor shall be responsible for initiating the required control measures. CSQA BMP information can be viewed and downloaded at <http://www.csqahandbooks.com/Construction.asp>.

34. Curb Inlet Stenciling:

All curb inlets shall have thermoplastic stenciling: "No Dumping, Flows to Creek/River".

35. Electroliers:

All electroliers shall be installed by the Developer (rate schedule LS-22C, 120V, high pressure sodium, at the locations shown on these plans). See Electrical Section of the Standard Details.

Underground Service Alert Note

Observed surface evidence of utility lines including facilities, appurtenances, and markings were used in depicting the locations of the underground features shown on these plans. Underground features depicted are approximate and it is the responsibility of the contractor to determine the actual location and depth of underground utilities prior to starting excavation.

Call USA North: 1.800.227.2600 OR 811

Note:

Contractor agrees that they shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working out; and that the contractor shall defend, indemnify, and hold the City of Morgan Hill harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from sole negligence of the City of Morgan Hill.

Abbreviations

AB	Aggregate Base	EG	Existing Ground	PSE	Public Service Easement
ABS	Acrylonitrile Butadiene Styrene	Elect., Ect.	Electrolier	PUE	Public Utility Easement
AC	Asphalt Concrete	EP	Edge of Pavement	PVC	Polyvinyl Chloride
ADA	Americans with Disabilities Act	EQ.	Equivalent	PVI	Point of Vertical Intersection
Approx.	Approximate	ER	End of Return	(R), Rad.	Radial
ASBC	Asbestos Cement	EV	End of Vertical Curve	RCP	Reinforced Concrete Pipe
BC	Beginning of Curve	FF	Finish Floor	RPP	Reinforced Plastic Pipe
BFE	Base Flood Elevation	FG	Finish Grade	RSC	Rapid Strength Concrete
BM	Benchmark	FH	Fire Hydrant	RW, R/W	Right-of-Way
BMP	Best Management Practice	FL	Flowline	S/L	Street Light
BoW	Bottom of Wall	FT.	Foot	SCM	Source Control Measure
BSM	Bioswale Media	GB	Grade Break	SD	Storm Drain
BVC	Beginning of Vertical Curve	GT	Grass Trap	SDCO	Storm Drain Cleanout
BW	Back of Walk	HDPE	High Density Polyethylene	SDMH	Storm Drain Manhole
CASQA	California Stormwater Quality Association	Hor., Horiz.	Horizontal	SS	Sanitary Sewer
CBC	California Building Code	HP	High Point	SSCO	Sanitary Sewer Cleanout
CCTV	Closed Circuit Televised Video	ID	Inside Diameter	SSMH	Sanitary Sewer Manhole
CI	Curb Inlet	INV	Invert	STA	Station
CIP	Cast Iron Pipe	JP	Joint Pole	Std.	Standard
CIPP	Cured-In-Place Pipe	JT	Joint Trench	SW	Sidewalk
CL, C/L	Centerline	LB	Lead	SWCP	Stormwater Control Plan
CL	Class	LF	Linear Feet	TBM	Temporary Benchmark
CLR	Clear	LP	Low Point	TC	Top of Curb
CMP	Corrugated Metal Pipe	Max	Maximum	TCP	Traffic Control Plan
CO, C/O	Clean Out	Min	Minimum	ToB	Top of Bank
Conc.	Concrete	MOFG	Maximum Outside Finish Grade	ToW	Top of Wall
D/S	Downstream	(N)	New	Typ.	Typical
DDCVA	Double Detector Check Valve Assembly	NG	Natural Ground	U/S	Upstream
Det., DTL	Detail	#, No.	Number	VCP	Vitrified Clay Pipe
DI	Drop Inlet	NPDES	National Pollutant Discharge Elimination System	Vert.	Vertical
Dia	Diameter	NTS	Not to Scale	W	Water
DIP	Ductile Iron Pipe	OC	On Center	W/	With
DWG	Drawing	OD	Outer Diameter	WDID	Waste Discharge Identification Number
DWY, D/W	Driveway	PB	Pull Box	WM, W/M	Water Meter
(e), ex., ext	existing	PCC	Portland Cement Concrete	WV	Water Valve
EA	Each	PL, P/L	Property Line		
EC	End of Curve	PSDE	Private Storm Drain Easement		

Legend

Proposed	Description	Existing
	Project Property Boundary	
	Property Line	
	Centerline	
	Easement, as noted	
	Curb and Gutter	
	Driveway Approach	
	Storm Drain	
	Water Main	
	Overhead Electric	
	Utility to be abandoned in place	
	Utility to be removed	
	Major Contour	
	Minor Contour	
	Benchmark	
	Muniment, Type as shown	
	Revision	
	Section	
	Swale	
	Slope	
	Storm Drain Manhole	
	Curb Inlet	
	Drop Inlet	
	Sanitary Sewer Manhole	
	Fire Hydrant	
	Cleanout	
	Gate Valve	
	Utility Pole	
	Electroder	
	Sewer Service	
	Water Service	
	Type 2 Shul Seal	

** existing features are labeled in italics and parenthesis, typical

Standard General Notes:

- Construction Notes:**

- | | | | |
|-----------|-------------|------|----|
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| NO. | DESCRIPTION | DATE | BY |
| REVISIONS | | | |

- ### 3. Materials


- #### 4. Potholing

- ## 5. Limited Site Access

- ## 6. Overhead Electric Utilities

- ## 7. Arborist Notes and Tree Preservation

NO.	DESCRIPTION	DATE	BY
REVISIONS			



CITY OF MORGAN HILL

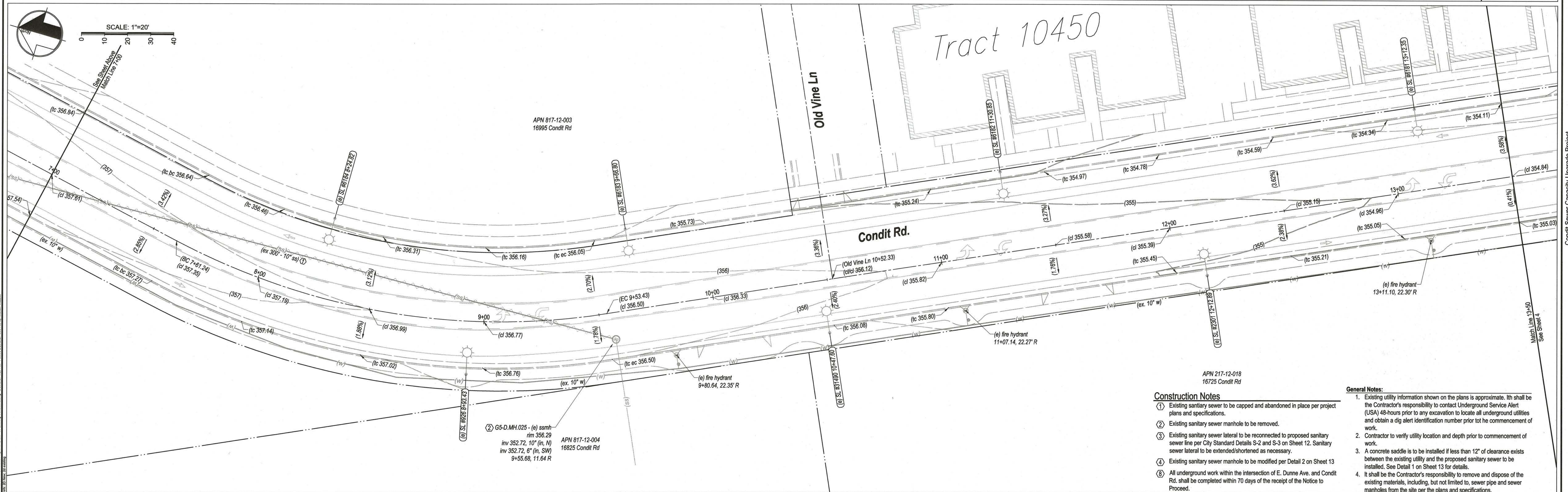
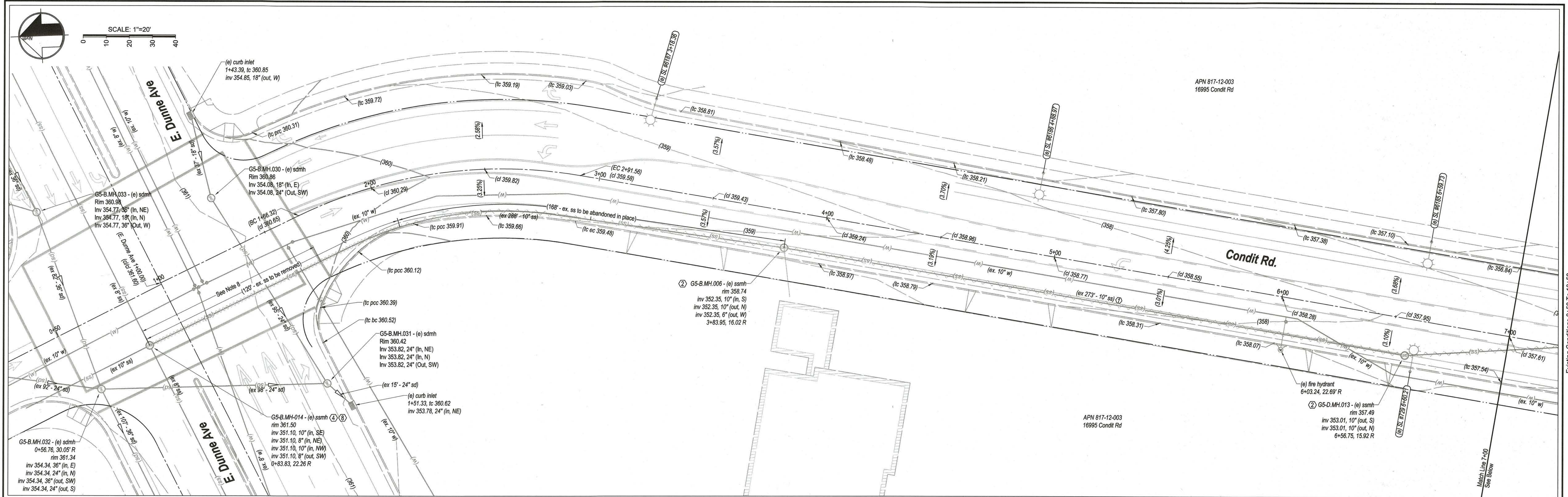


City of Morgan Hill
Engineering & Utilities
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

General Notes
Conduit Sewer Capacity Upgrade Project

MORGAN HILL

FILE NO.	315006
PLAN SET:	2/26/24
DRAWING:	2 OF 13



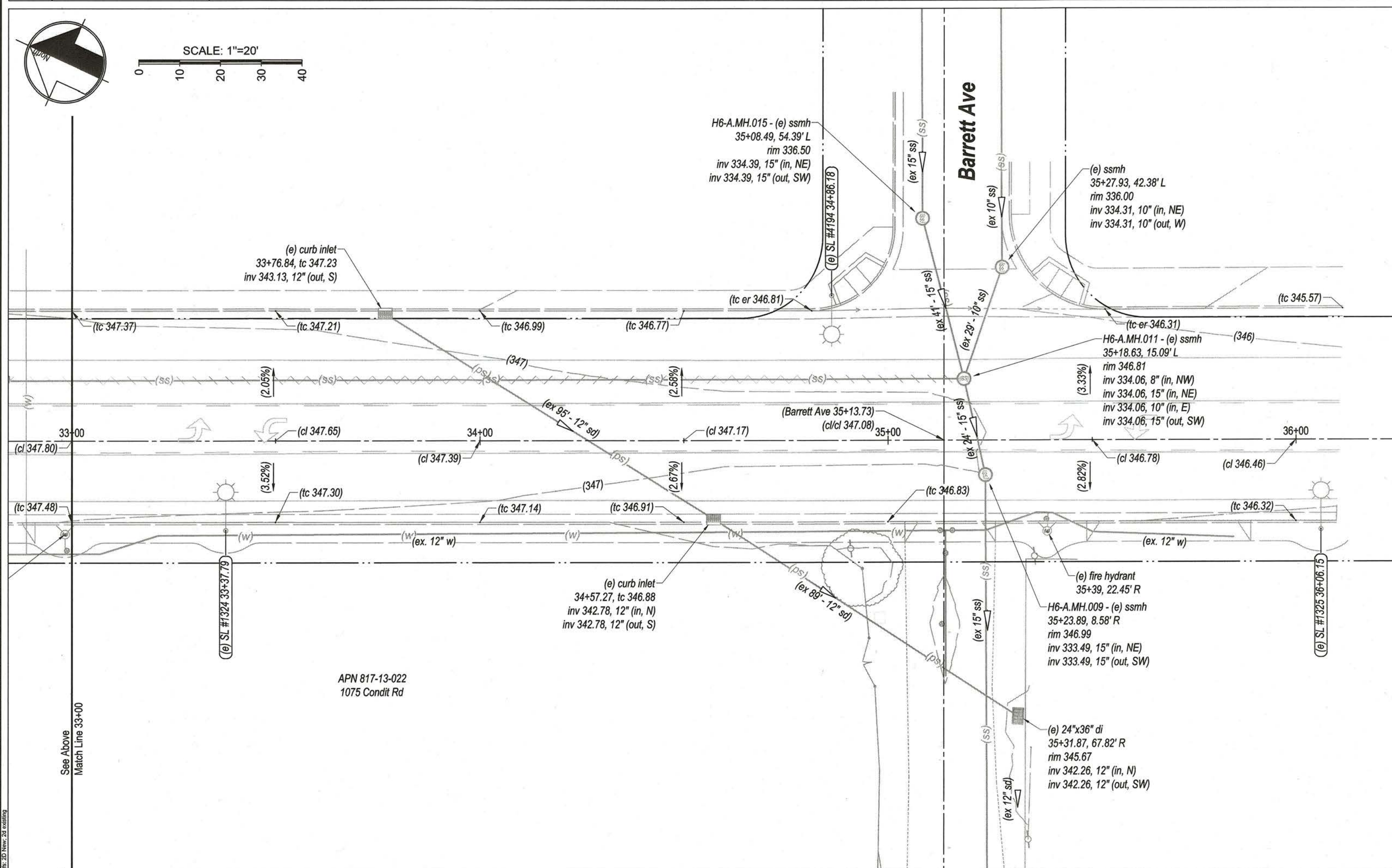
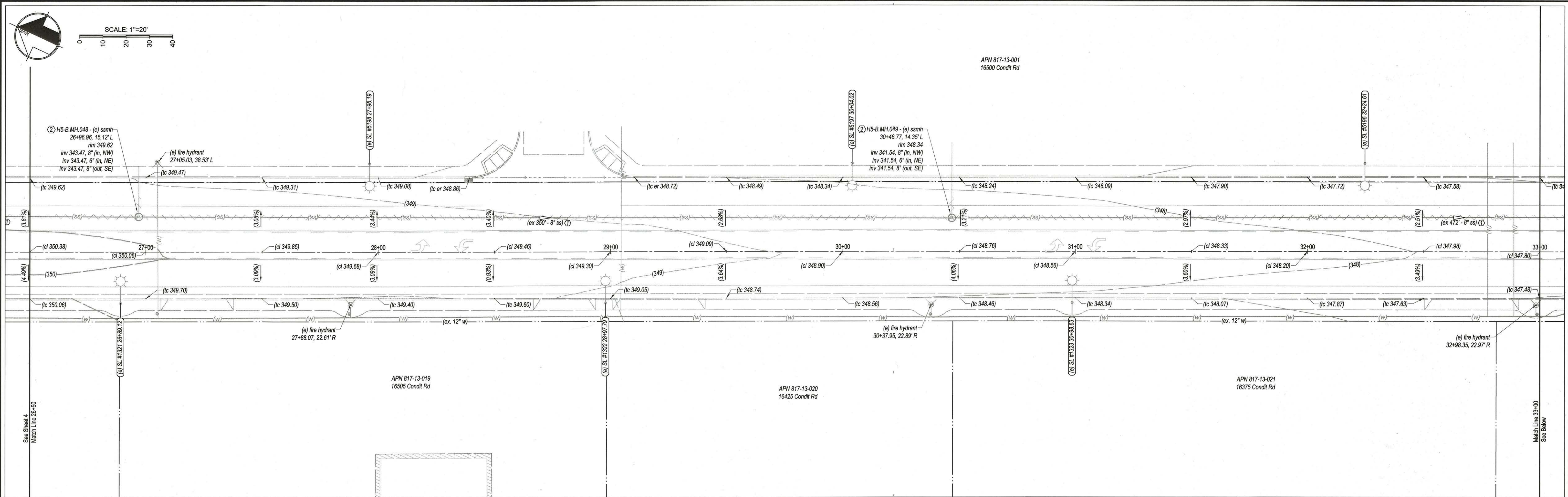
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Construction Notes

- Existing sanitary sewer to be capped and abandoned in place per project plans and specifications.
- Existing sanitary sewer manhole to be removed.
- Existing sanitary sewer lateral to be reconnected to proposed sanitary sewer line per City Standard Details S-2 and S-3 on Sheet 12. Sanitary sewer lateral to be extended/shortened as necessary.
- Existing sanitary sewer manhole to be modified per Detail 2 on Sheet 13
- All underground work within the intersection of E. Dunne Ave. and Condit Rd. shall be completed within 70 days of the receipt of the Notice to Proceed.

General Notes:

- Existing utility information shown on the plans is approximate. It is the Contractor's responsibility to contact Underground Service Alert (USA) 48-hours prior to any excavation to locate all underground utilities and obtain a dig alert identification number prior to the commencement of work.
- Contractor to verify utility location and depth prior to commencement of work.
- A concrete saddle is to be installed if less than 12" of clearance exists between the existing utility and the proposed sanitary sewer to be installed. See Detail 1 on Sheet 13 for details.
- It shall be the Contractor's responsibility to remove and dispose of the existing materials, including, but not limited to, sewer pipe and sewer manholes from the site per the plans and specifications.



Construction Notes

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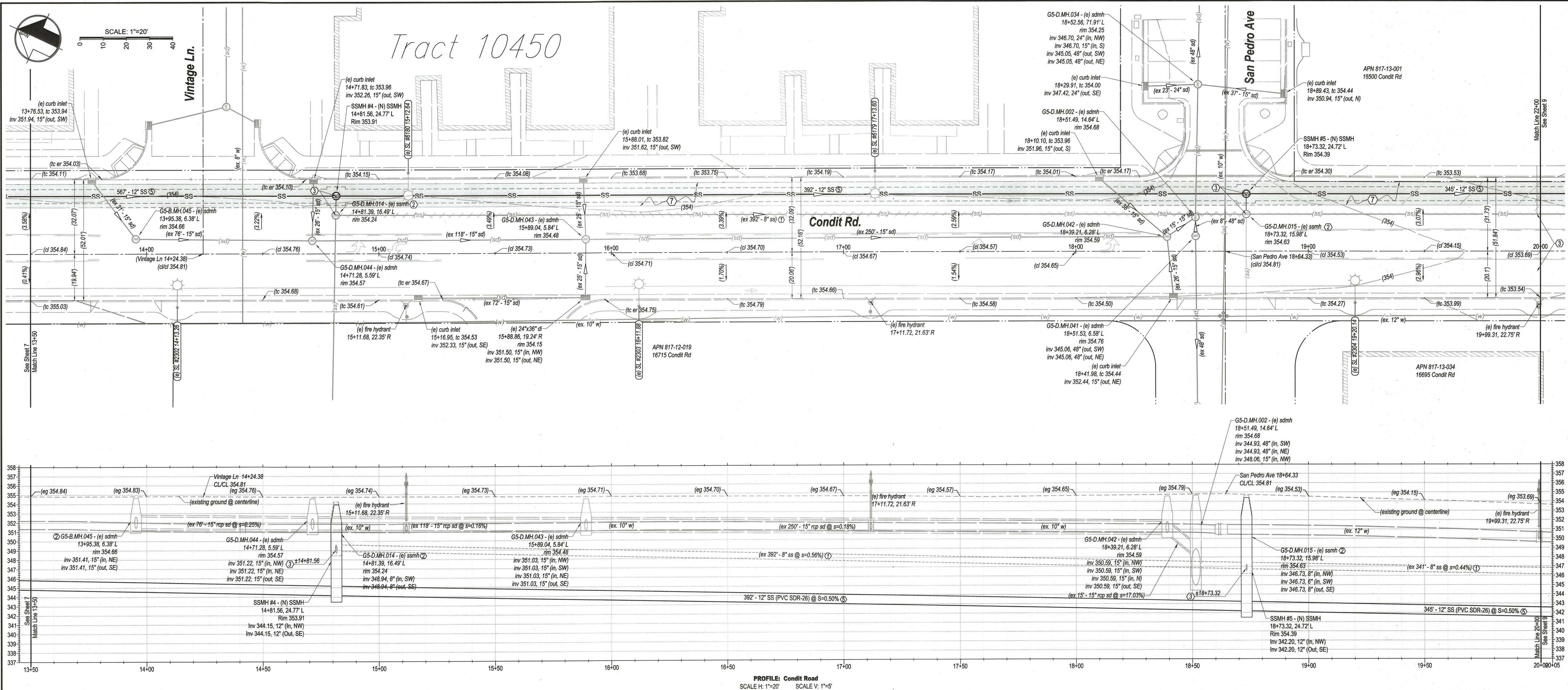
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APPROVED:		DATE: 2/26/24	JOB NO: 315006	



City of Morgan Hill
Engineering & Utilities
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 778-6480 FAX (408) 779-7236

Existing Conditions 26+50 To 36+00 Condit Sewer Capacity Upgrade Project		FILE NO: 315006
MORGAN HILL		PLAN SET: 2/26/24
CALIFORNIA		DRAWING: 5 OF 13



- Construction Notes**
- Existing sanitary sewer to be capped and abandoned in place per project plans and specifications.
 - Existing sanitary sewer manhole to be removed.
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 - Existing sanitary sewer manhole to be modified per Detail 2 on Sheet 13
 - Install new 12" PVC (SDR-26) sanitary sewer main with trench restoration per City Standard Detail U-3 on Sheet 13
 - Slurry seal existing roadway surface using Type 2 slurry seal and replace existing striping in kind.
 - 2" Grind and Overlay from lip of gutter to edge of travel way and replace existing striping in kind.

- General Notes:**
- Existing utility information shown on the plans is approximate. It shall be the Contractor's responsibility to contact Underground Service Alert (USA) 48-hours prior to any excavation to locate all underground utilities and obtain a dig alert identification number prior to the commencement of work.
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NO.	DESCRIPTION	DATE	BY

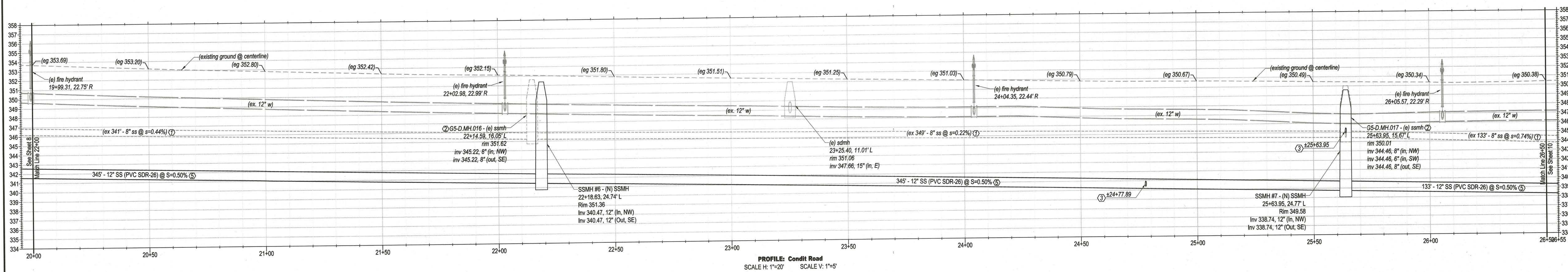
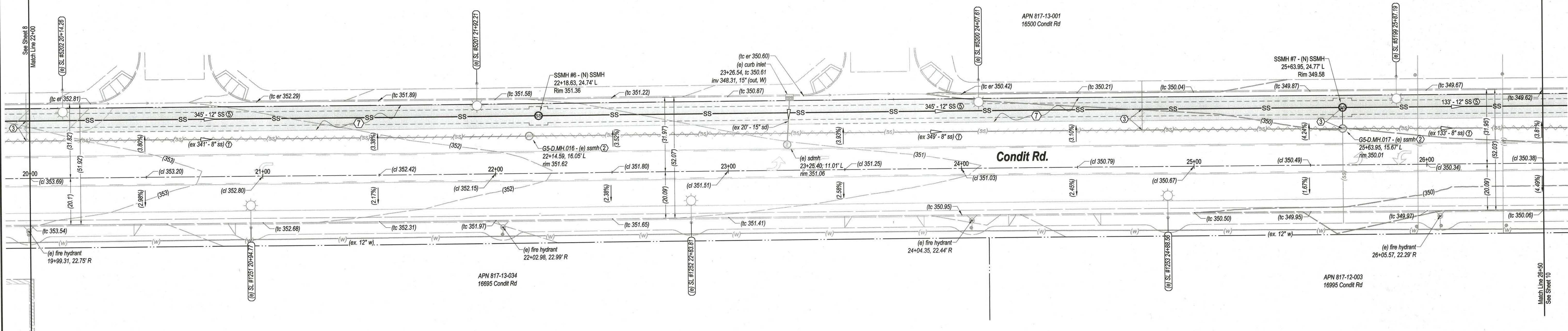
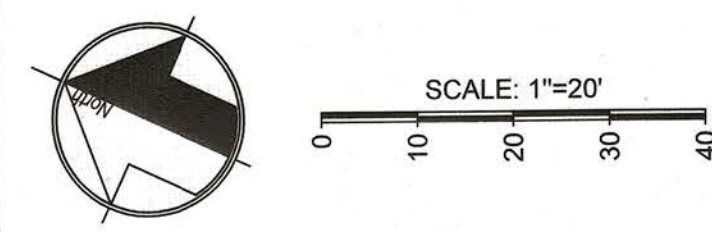
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YC	2/7/24	1" = 5'
APPROVED	DATE	JOE NO.
	2/26/24	315006



City of Morgan Hill
Engineering & Utilities
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Plan Profile - Condit Road 13+50 To 20+00		FILE NO.	315006
Condit Sewer Capacity Upgrade Project		PLAN SET:	2/26/24
MORGAN HILL		DRAWING:	8 OF 13
CALIFORNIA			



- Construction Notes**
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 - A concrete saddle is to be installed if less than 12" of clearance exists between the existing utility and the proposed sanitary sewer to be installed. See Detail 1 on Sheet 13.
 - It shall be the Contractor's responsibility to remove and dispose of the existing materials, including, but not limited to, sewer pipe and sewer manholes from the site per the plans and specifications.

REVISIONS			
NO.	DESCRIPTION	DATE	BY

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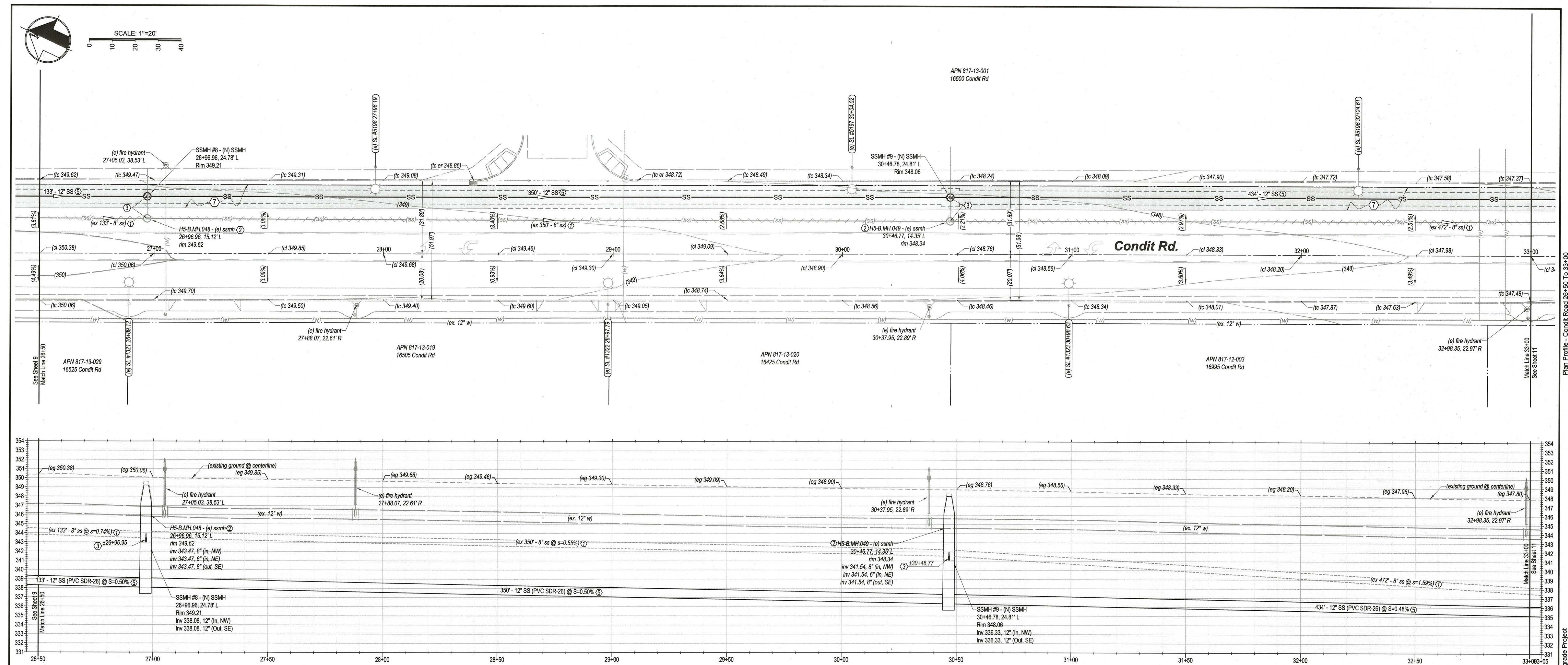


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Plan Profile - Condit Road 20+00 To 26+50
Condit Sewer Capacity Upgrade Project

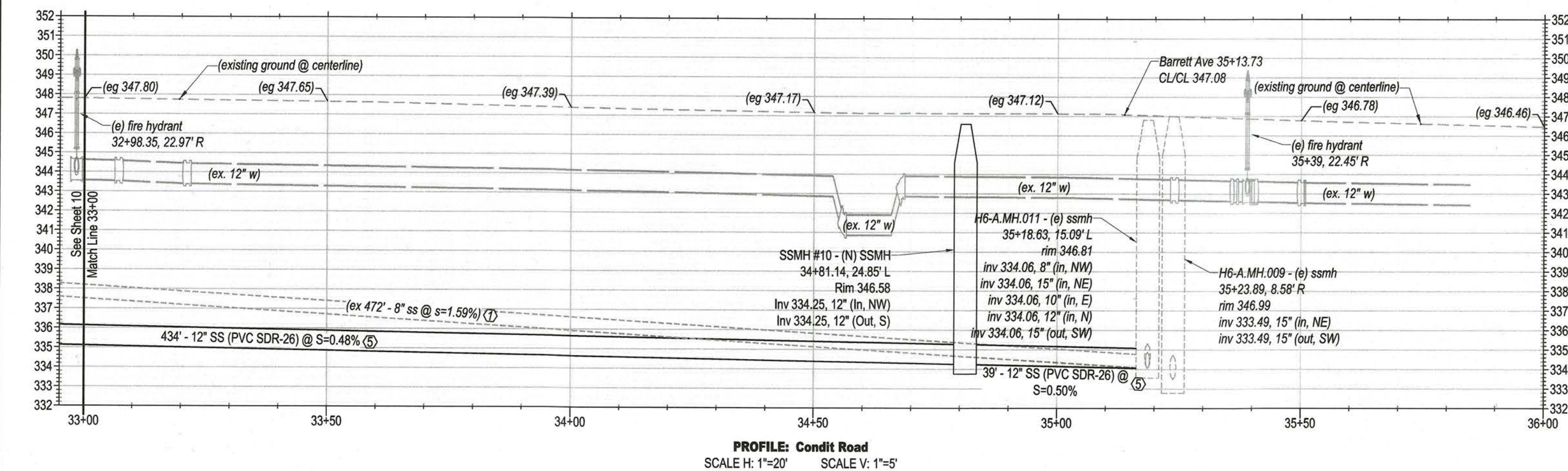
MORGAN HILL CALIFORNIA

FILE NO: 315006
PLAN SET: 2/26/24
DRAWING: 9 OF 13




- Construction Notes**
- Existing sanitary sewer to be capped and abandoned in place per project plans and specifications.
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- ① Existing sanitary sewer to be capped and abandoned in place per project plans and specifications.
- ② Existing sanitary sewer manhole to be removed.
- ③ Existing sanitary sewer lateral to be reconnected to proposed sanitary sewer line at City Standard Details S-2 and S-3 on Sheet 12. Sanitary sewer lateral to be extended/shortened as necessary.
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DRAWN: KW	DESIGN: KW	HOR. 1" = 20'
CHECKED: YC	DATE: 2/7/24	VERT. 1" = 5'
APPROVED: 	DATE: 2/26/24	JOB NO. 315006
Scott C. Greer RCE 58879	CITY ENGINEER EXP. DATE 05-30-2025	



MORGAN HILL

FILE NO.	315006
PLAN SET:	2/26/24
DRAWING:	11 OF 13

12 OF 13

