

**General Notes:**

- All elevations shown upon this plan are based upon Santa Clara Valley Water District (Valley Water) Benchmark BM528 located at the north corner of E. Dunne Avenue bridge over Highway 101 (Bridge No. 37-0334 PM 16.01 1972). Brass disk is located 6.50 feet northeast from the end of concrete headwall: 12.8 feet westerly from telephone manhole and 5.70 feet westerly from electrode #4343, Elevation 382.20 (NAVD88).
- All existing elevations shall be field verified by contractor unless otherwise noted.
- All survey monuments shall be installed at locations shown on the corresponding final map before acceptance of the subdivision.
- Contractor shall not destroy existing permanent survey monuments.
- 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.
- Developer shall arrange for a pre-construction meeting with the City Engineer (Municipal Code 17.32.250) 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.
- A grading permit shall be obtained from the city of Morgan Hill Building Division prior to any grading of building pads. Application for the grading permit shall provide a plan review letter from the Soils 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.
- 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.
- Contractor shall preserve all 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.
- 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 down dust 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 CALTRANS 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 Lns (10' min.) shall be open to vehicular traffic during all hours, weekends, and holidays. One Ln. one way traffic, may 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 Soils 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 rocks, boulders, and large stones 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 moist condition, 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 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 replaced 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. Water 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 their locations and shall keep them and each wye 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.

21. The end of each new lateral shall be marked as shown in Detail S-2. 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.

25. Contractor shall place marker posts adjacent to all air relief valves and blow off assemblies along water mains located in improved 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.

26. The concrete contractor shall stamp a letter "W" on the face of curb directly above the water service.

**27. Backfill & Compaction:**

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 Engineer.

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.

30. The minimum relative compaction for trench backfill, subgrade and base material shall be 95% throughout the project unless recommended otherwise in the soils Report and approved by the City Engineer.

31. If trench backfill material is 100% sand, the City shall conduct compaction tests 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. Curb Inlet Stenciling:

An erosion and sediment control plan shall be required prior to any physical development of a property. Erosion control shall be planned 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 (CASQA) for Stormwater Best Management Practices (BMPs). Contractor shall be responsible for initiating the required control measures. CASQA BMP information can be viewed and downloaded at <http://cabmhandbooks.com/Construction.asp>.

34. Erosion and Sediment Control:

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

35. Eletrollers:

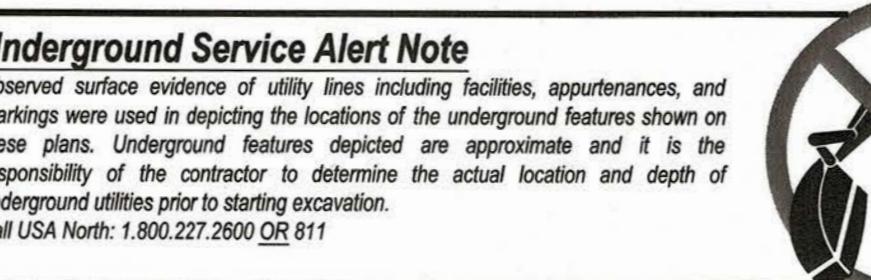
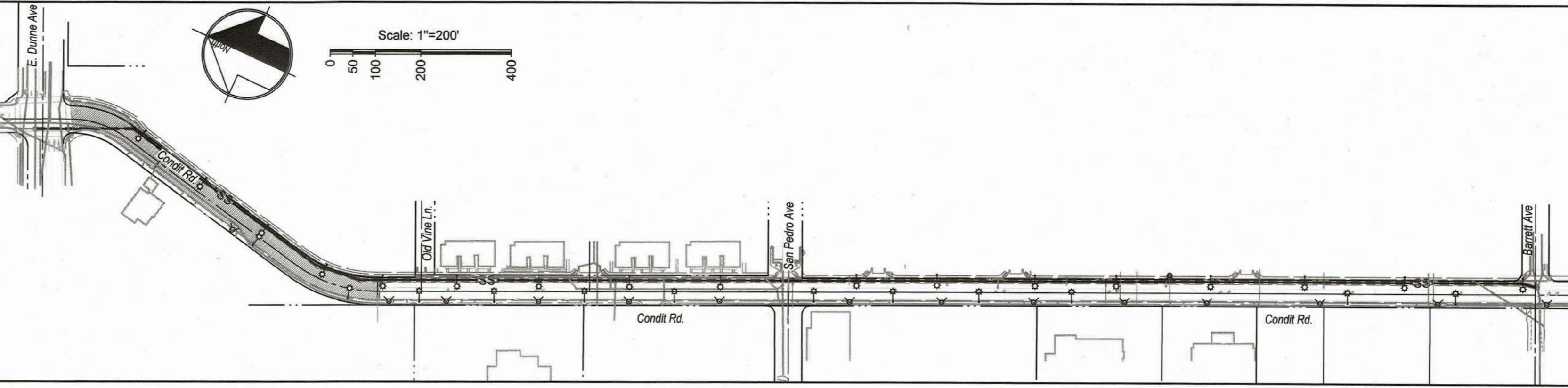
All eletrollers shall be installed by the Developer (rate schedule LS-2C, 120V, high pressure sodium, at the locations shown on these plans). See Electrical Section of the Standard Details.

# City of Morgan Hill

## Improvement Plans for

### Conduit Sewer Capacity Upgrade Project

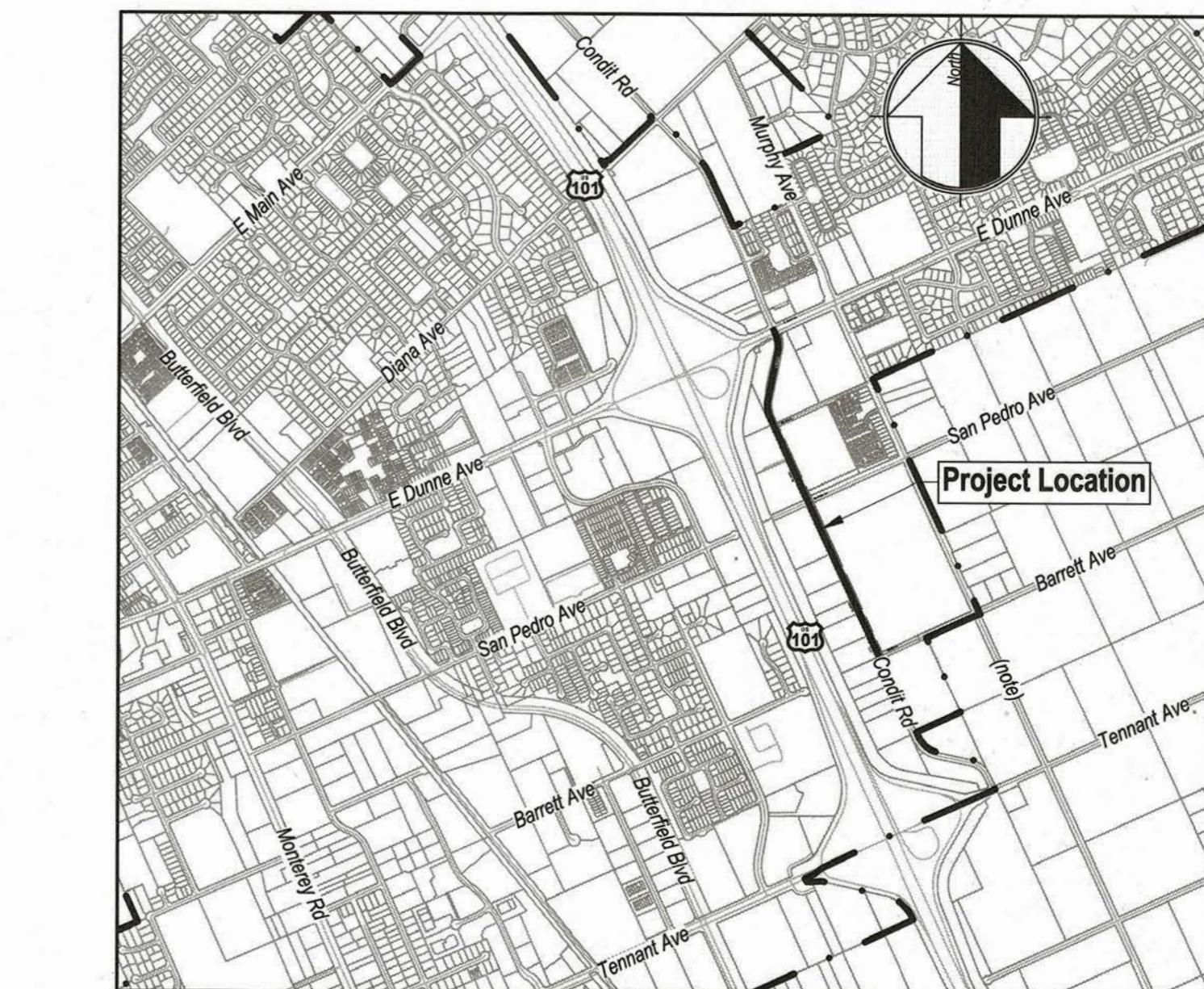
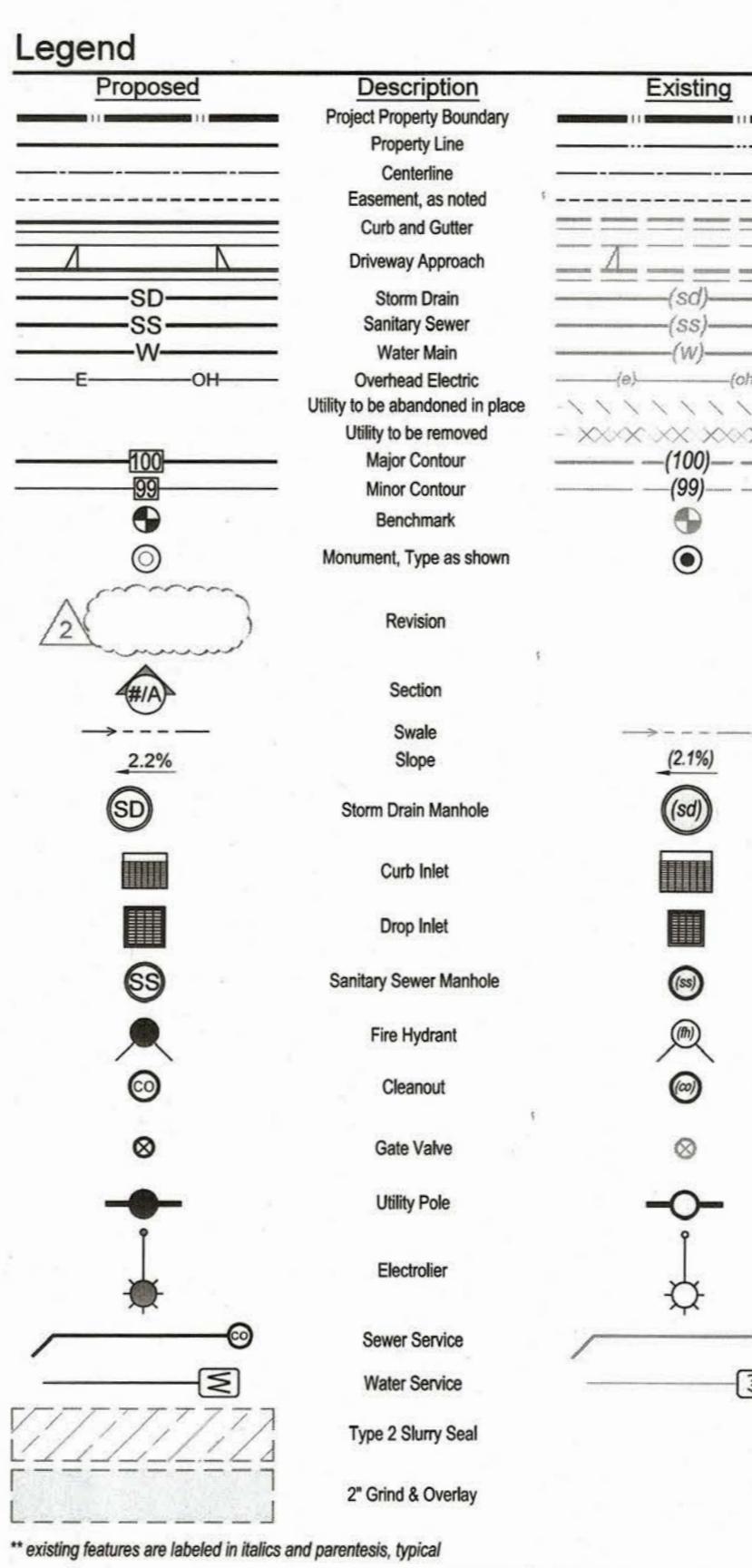
For use in conjunction with the Project Specifications, the Standard Details of the City of Morgan Hill, and the Standard Plans and Specifications of the State of California Department of Transportation



**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 hours; 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., Elet.	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	EVC	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	Grease Trap	SDCO	Storm Drain Cleanout
BW	Back of Walk	HDP	High Density Polyethylene	SDMH	Storm Drain Manhole
CASQA	California Stormwater Quality Association	HP	High Point	SS	Sanitary Sewer
CBC	California Building Code	ID	Inside Diameter	SSCO	Sanitary Sewer Cleanout
CCTV	Closed Circuit Televised Video	INV	Invert	SMH	Sanitary Sewer Manhole
CI	Curb Inlet	JP	Joint Pole	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	Pound	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., ex.	existing	PCC	Portland Cement Concrete	WV	Water Valve
EA.	Each	PL, P/L	Property Line		
EC	End of Curve	PSDE	Private Storm Drain Easement		



#### Sheet List Table

#	Title
1	Cover Sheet
2	General Notes
3	Existing Conditions 0+50 to 13+50
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8	Plan Profile - Conduit Road 13+50 to 20+00
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11	Plan Profile - Conduit Road 33+00 to end
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13	City Standard Details

## Project Notes:

### **Standard General Notes:**

1. The Contractor agrees that, in accordance with generally accepted construction practices, the Contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of this project, including the safety of all persons and property. This requirement shall apply continuously and note be limited to normal working hours. The contractor further agrees to 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 liability arising from the sole negligence of the City of Morgan Hill.
  2. The Contractor shall maintain a copy of the project plans on the jobsite at all times.
  3. All work shall conform to the Project Plans and the City of Morgan Hill Design and Construction Standards and other specifications referenced therein.
  4. Contractor shall conduct work in accordance with CalTrans Standard Specifications and City Specifications.
  5. No change to the project improvement plans shall be permitted without prior approval by the City and Design Engineer.
  6. The Contractor shall visit site(s) prior to submitting bid(s).
  7. The Contractor shall provide residents and businesses of any utility shut downs in accordance with specifications.
  8. The Contractor shall notify the City of Morgan Hill at least 48 hours in advance of the start of construction activity. All utility shut downs are to be coordinated through the City Engineering & Utilities Department. Any temporary subsequent resumption of work requires the notification of the City and the Engineer.
  9. The Contractor shall exercise due care and concern to avoid injury to existing facilities, utilities, and property. Contractor to replace or restore to initial conditions any facilities, improvements, utilities, or other property damage or disturbed area as a result of construction.
  10. The Contractor shall replace, at their expense, all trees, shrubs, lawns, fences, irrigation systems, and improvements which are to remain intact but have been removed or damaged during construction. Contractor shall not remove or damage improvements located within City property without written permission by the City; nor private property without written permission by the property owner.
  11. The Contractor shall secure a no-fee encroachment permit from the City of Morgan Hill, Engineering and Utilities Department prior to commencement of work.
  12. Excavation shall be adequately shored, braced, and sheeted so that the earth will not slide or settle and so that all existing improvements of any kind will be fully protected from damage. Any damage resulting from lack of adequate shoring, bracing, and sheeting, shall be the responsibility of the Contractor, and they shall effect necessary repairs or reconstruction at their own expense. Where the excavation for a conduit, trench, and/or structure is five feet or more in depth, the Contractor shall provide adequate sheeting, shoring, and bracing, or equivalent method, for the protection of life, or limb, which shall conform to the applicable construction safety orders of the Division of Industrial Safety of the State of California. The Contractor shall always comply with OSHA Requirements.
  13. The Contractor shall bear sole responsibility for the design and implementation of shoring.
  14. The Contractor shall take effective action to prevent the formation of any airborne dust nuisance and shall be responsible for any damage resulting from their failure to do so.
  15. The Contractor shall provide for ingress and egress for private property adjacent to the work throughout the period of construction.
  16. Overnight parking of construction equipment in the public right-of-way shall not be permitted, except in location(s) approved by the City.
  17. Contractor is responsible for site safety. All excavations shall be plated with non-skid plates when inactive. Barricades with lights shall be installed delineate construction zone.
  18. The Contractor shall provide all lights, signs, barricades, flagmen, or other devices necessary to provide for safety.
  19. The Contractor shall post emergency telephone numbers for Police, Fire, Ambulance, and those agencies responsible for maintenance of utilities in the vicinity of the job site.
  20. Any extra construction staking necessitated solely by the Contractor's negligence will be charged to the Contractor on a time and material basis.
  21. Station hereon is along the street centerline unless otherwise shown or indicated.
  22. All return radii and curb data are measured to the face of curb.
  23. All quantities and pay items are and will be based on horizontal measurements.
  24. All surplus and unsuitable material shall be removed from the public right-of-way.
  25. Lengths of utility piping are horizontal distances from center to center of structures, rounded off to the nearest foot.
  26. Prior to obtaining water from hydrants for construction purposes, Contractor must apply for and obtain a temporary hydrant meter from the City of Morgan Hill Utility Billing Division and comply with the requirements.
  27. Existing underground utilities and improvements are shown in their approximate location based upon record information available at the time of the preparation of these plans. Locations may note have been verified in the field and no guarantee is made as to the accuracy or completeness of the information shown. Call Underground Service Alert (USA) at 1-800-642-2444.
  28. It shall be the responsibility of the Contractor to determine the existence and location of Utilities shown on these plans, indicated in the field by locating services, or evidenced by facilities visible at, or adjacent to, the job site. Any additional cost incurred as a result of the Contractor's failure to verify locations of exiting utilities prior to beginning construction shall be borne by the Contractor and is deemed included and merged in the contract unit price.
  29. It shall be the responsibility of the Contractor to notify all public and private utility owners 48 hours prior to commencement of work adjacent to the utility. Contact Underground Service Alert (USA) at 1-800-642-2444.
  30. Contractor shall notify, by circular, all business establishments and residences located in the area affected by the work one week prior to the start of construction. At a minimum, all residents and business establishments within 100 feet of the work area shall be notified. A draft of the circular shall be submitted to the City for review and approval.
  31. All existing utilities and improvements that become damaged during construction shall be completely restored to the satisfaction of the City Engineer at the Contractor's sole expense.
  32. Any relocation of public utilities shall be conducted in accordance with any and all requirements of the utility company, including fees, bonds, permits, working conditions, etc. This work shall be done at no expense to the utility company.
  33. If archaeological resources are discovered during construction, work shall be halted within 50 meters (165 feet) of the find until a qualified professional archaeologist can evaluate it. If the find is determined to be significant, appropriate mitigation measures shall be formulated and implemented. If any human remains are found during the construction, there shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains until the coroner of Santa Clara County is contacted to determine that no investigation of the cause of death is required. If the coroner determines the remains to be Native American, the coroner shall contact the Native American Heritage Commission within 25 hours. The Native American Heritage Commission shall identify the person or persons it believes to be the most likely descendent (MLD) from the deceased Native American. The MLD may then make recommendations to the landowner, or the person responsible for excavation work, for means of treating or disposing of, with appropriate dignity, the human remains and associated grave goods as provided in Public Resources Code Section 5097.98. The landowner, or their authorized representative, shall rebury the Native American remains and associated grave goods with appropriate dignity on the property in a location not subject to further disturbance if: a) the Native American Heritage Commission is unable to identify a MLD or the MLD failed to make a recommendation within 24 hours after being notified by the commission; b) the descendent identified fails to make a recommendation; c) the landowner, or their authorized representative, rejects the recommendation of the descendent, and the mediation by the Native American Heritage Commission fails to provide measure acceptable to the landowner.
  34. The City of Morgan Hill does not specify or recommend the use or installation of any material or equipment which is made from, or which contains, asbestos or lead for use in the construction of these improvements. Any party installing or using such materials or equipment shall be solely responsible for all injuries, damages, or liabilities of any kind caused by the use of such materials or equipment. The provisions of this note shall not apply unless they are expressly waived in writing by the City of Morgan Hill.
  35. The Contractor shall meet and follow all NPDES requirements in effect at the time of construction.
  36. The Contractor shall be responsible for protect all street monuments, lot corner pipes, and grade stakes. Should any be disturbed during the process of construction, it shall be the Contractor's responsibility to replace all disturbed street monuments, lot corner pipes, or grades stakes disturbed at the direction of the City.
  37. The Contractor shall neither waste nor deposit any hazardous materials on the grading surfaces or within the graded cut and fill areas of this project, including, but not limited to, gasoline or diesel fuels, motor oils or transmission fluids, antifreeze, hydraulic fluids, lubricants, starting fluids and filters, and/or containers for these products. Hazardous material spills that occur as a result of either equipment failures or vandalism, including all adjacent contaminated soils, shall be removed and transported to an environmentally approved disposal site. All removal, transportation and disposal costs shall be the responsibility of the Contractor or their subcontractor.
  38. The Contractor shall install a concrete saddle in locations which the vertical separation between the sanitary sewer and any other utility is less than 12 inches. Concrete saddle shall be installed per detail \_\_\_\_\_ on sheet \_\_\_\_\_.
  39. Should it appear that the work to be done or any matter relative thereto is not sufficiently detailed or explained on these plans, the Contractor shall contact the City of Morgan Hill at (408) 776-7337 for such further explanations as may be necessary.

## Construction Notes:

1. **Paving**

  - 1.1. Paving shall conform to the specifications of the City of Morgan Hill. "Standard Specification" refers to the State of California Department of Transportation (CalTrans) Standard Specifications, most recent edition, as referenced below.
  - 1.2. A prime coat of liquid asphalt, conforming to Section 39 of the Standard Specifications, shall be applied to all areas receiving asphalt concrete at the rate of 0.25 gallons per square yard.
  - 1.3. Asphalt Concrete (AC) shall consist of a mixture of sand, mineral aggregate, and liquid asphalt conforming to Standard Specifications Type "A", 1/2" maximum, medium grading. Paving asphalt shall have PG 64-10. Asphalt concrete shall be a minimum of 4" in thickness and placed in lifts 2" in maximum thickness.
  - 1.4. Tack coat of asphalt emulsion, conforming to the Standard Specifications shall be applied to existing asphalt concrete surfaces and vertical concrete surfaces to receive new asphalt concrete, and to any lift in advance of spreading the next lift.
  - 1.5. Seal coat shall be diluted with equal amounts of water and applied at a rate of 0.10 gallons per square yard to the surface of all new asphalt concrete pavement, which shall be free of dust and loose material prior to application. Seal coat shall be applied within 7 days of placement of top lift of asphalt.
  - 1.6. Materials and installation of Portland cement concrete curb, gutter, and sidewalk shall conform to Section 90. "Portland

1.7. Cement Concrete", of the Standard Specifications and City Standard Details.

1.8. All valve boxes and manholes to be set flush with finish grade unless otherwise noted.

1.9. Aggregate base shall be Class 2 and shall be spread and compacted to conform with Section 26 of the Standard Specifications.

1.9. The use of Recycled Asphalt Product (RAP) shall be permitted in the final lift of asphalt concrete pavement.

**2. Sanitary Sewer**

2.1. Pipe shall be installed in compliance with manufacturer's recommended practice.

2.2. Sanitary sewer lines shall be constructed with a laser guided device to the alignment and elevation shown on the plans.

2.3. 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.

2.4. Sanitary sewer manholes shall be constructed to the Standard Specifications and the Details of the City of Morgan Hill, Standard Details S-4, S-5, and S-6.

2.5. Trenches shall be constructed per the specifications of the City of Morgan Hill. Initial backfill shall be compacted with lightweight mechanical tampers or vibrating plate compactors. Heavy equipment shall not be used to compact backfill immediately above the pipe.

2.6. Prior to paving, a television inspection shall be performed of newly installed sanitary sewer mains at the contractor's expense.

2.7. Individual Sanitary Sewer Laterals are shown to the extent observed in CCTV inspection. Stationing is based upon video log distance and project control line. Additional laterals may exist, but were not observed during the video inspection due to camera being submerged under water during inspection, existing breaks in the sewer lines, and/or major bends. Contractor shall locate all existing laterals before construction.

2.8. Contractor shall maintain sewer flow at all times during construction. See Specifications Section 01531.

2.9. Contractor to verify capped laterals are inactive with CCTV inspection where applicable.

2.10. Existing sewer mains and manholes may be surcharged and contain debris, sludge, roots, grease, etc. The Contractor is responsible for dewatering, cleaning, removing, and disposing of all items within the sewer system where work is to occur. The Contractor shall review site specific information in Appendix A for additional information about debris within sewer segments.

2.11. Elevations shown are approximate based upon the City's Base Map. Pipe segments to be replaced or repaired shall be installed at a constant grade from the upstream to downstream limits of the proposed replacement. The Contractor is responsible for establishing slope and grade during construction.

2.12. Pipe bedding and backfill for the new sanitary sewer shall be in accordance with City Standard Details.

**3. Materials**

3.1. The Contractor shall submit a Traffic Control Plan (TCP) to the Engineering & Utilities Department for approval a minimum of five (5) days prior to any work within an existing public street, pedestrian path, or bicycle path. 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 California Manual on Uniform Traffic Control Devices (CAMUTCD) while working within the public right-of-way. One traffic lane (10 feet minimum) shall be open to vehicular traffic during all hours, weekends, and holidays. Street closures and detours shall only take place upon City Engineer approval and Police Department coordination.

3.2. All traffic control devices shall be fabricated and installed in accordance with Part 6 and Part 9 of the CAMUTCD.

3.3. All cones used for lane closure after nightfall shall be fitted with retroreflective bands (or sleeves). All advanced warning sign installations shall be equipped with flags for daytime closure and flashing beacons shall be used during nighttime closures.

3.4. Any permanent sign or existing pavement markings that conflict with the TCP shall be covered, obliterated, or removed as directed by the Engineer.

3.5. During all construction periods, the Contractor shall have at the jobsite all necessary traffic control devices (appropriate sign, lighted arrow display, channelizing devices, etc.).

3.6. Construction shall be sequenced to provide the least possible adverse affect to residences.

3.7. Construction materials shall be kept off driveways or private property and consolidated in areas within the City right-of-way and easements during working hours unless otherwise approved by the Engineer.

3.8. All construction signs shown on the TCP shall be black on orange.

3.9. During non-construction hours, all construction sign except W20-1 and G20-2 signs are to be covered. All delineators are to be removed and all open trenches shall be covered with steel plates. All steel plates shall have a manufactured surface with a coefficient of friction that equals or exceeds 0.35 and shall be recessed.

3.10. All disturbed pavement markers shall be replaced by the contractor. All disturbed markings and stencils shall be replaced in full. All striping, markings, and stencils shall be thermoplastic. Pavement striping and markings shall adhere to the CalTrans Standard Specifications Sections 84 and 85. No separate payment will be made for this work. Include cost of replacing pavement striping, marking, and stencils in facilities requiring this work.

**4. Potholing**

4.1. The Contractor shall pothole all utilities that may conflict with the proposed improvements as first order of work and prior to excavating as described below. Potholing data shall be submitted to the City a minimum of one week prior to the start of the scheduled excavation at each location.

4.1.1. Open Trench excavation locations:

4.1.1.1. The Contractor shall pothole all utilities that may conflict with the proposed work prior to excavating. At a minimum, this includes an underground gas, water, electrical, and fiber optic cable crossings.

4.1.2. Pipe Lining Locations:

4.1.2.1. The contractor shall locate all utility crossings in location where excavations are required prior to lining the pipe.

4.1.3. Pipe Bursting Locations:

4.1.3.1. The Contractor shall pothole all utilities that may conflict with the pipe bursting work prior to excavating. All utilities within three (3) feet of the work shall be potholed and exposed during bursting operations. At a minimum, this includes any underground gas, electrical, and fiber optic cable.

4.1.3.2. The Contractor shall pothole and expose the water main where it is within five (5) feet of the sewer main. Refer to water separation notes for additional information.

**5. Limited Site Access**

5.1. Site Access is extremely limited in locations where work is occurring in side yards, backyards, and outside the street right-of-way. Access is generally limited to foot traffic and hand-held equipment at these locations. Contractor shall visit all sites and observe existing conditions from the street right-of-way during bidding to review project locations and access restrictions. Contractor shall consider access issues and limitations when bidding. No additional compensation will be made for difficult and limited site access issues.

**6. Overhead Electric Utilities**

6.1. Low-hanging high-voltage power transmission utilities are present at the project location.

6.2. Contractor shall consider the proximity of overhead electric utilities when bidding, and no additional compensation shall be made for additional work necessitated by the presence of overhead electric utilities (smaller equipment, etc.).

6.3. The Contractor shall insure a minimum clearance between the power lines and the work at all times as dictated by OSHA and PG&E regulations.

**7. Arborist Notes and Tree Preservation**

7.1. No cutting of any part of private or City trees, including roots, shall be done without securing approval and direct supervision from the City Arborist.

7.2. The Contractor shall notify City Arborist 72 hours in advance of any work requiring digging around, or within, the drip line of existing trees.

7.3. No trenching shall be done within the drip line of existing trees without the approval of the City Arborist. Open Trenching in the root zone of a public tree is prohibited except in cases where the trenching falls outside the drip line of the tree involved. Exceptions will be allowed if, in the opinion of the City Arborist, the impact of trenching upon the tree will be negligible.

7.4. If injury should occur to any tree during construction, it must be reported to the City/project arborist within 6 hours so that appropriate treatments can be applied. The City Arborist shall be the sole judge of the condition of any tree.

7.5. No materials, equipment, fuels, paint, spoil, waste, or wash-out water may be deposited, stored, or parked within the drip line of a tree. It is the Contractor's responsibility to clear vegetation as required for access to the site(s). No additional

# **City of Morgan Hill**

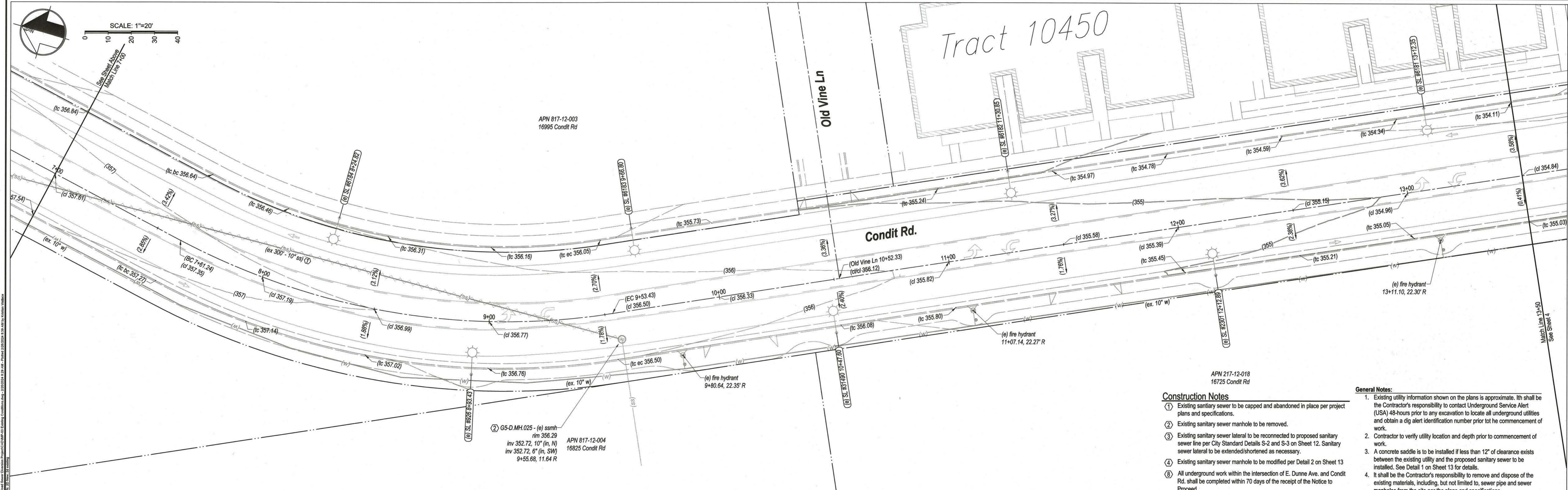
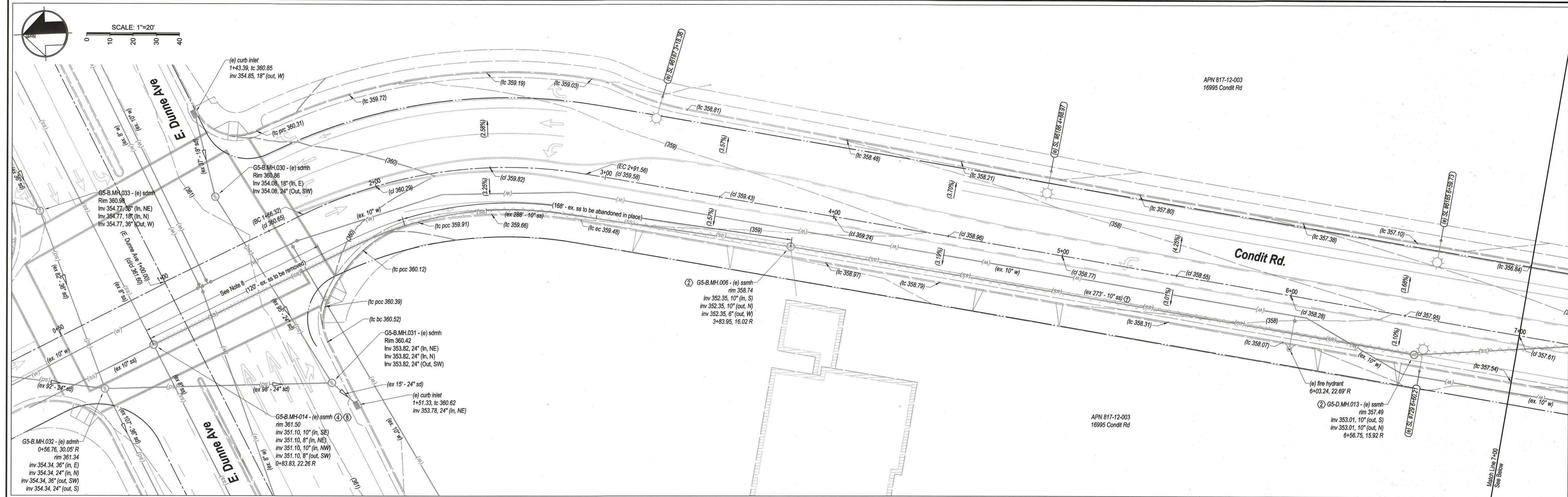
## **Engineering & Utilities**

# **General Notes**

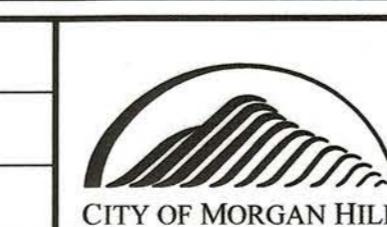
## **Sewer Capacity Upgrade Project**

GAN HILL

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



NO.	DESCRIPTION	DATE	BY	WORK ACCEPTED:	INSPECTOR:	DRAWN:
				BY:		
				CHECKED:		
				DATE:		APPROVED:



# **City of Morgan Hill**

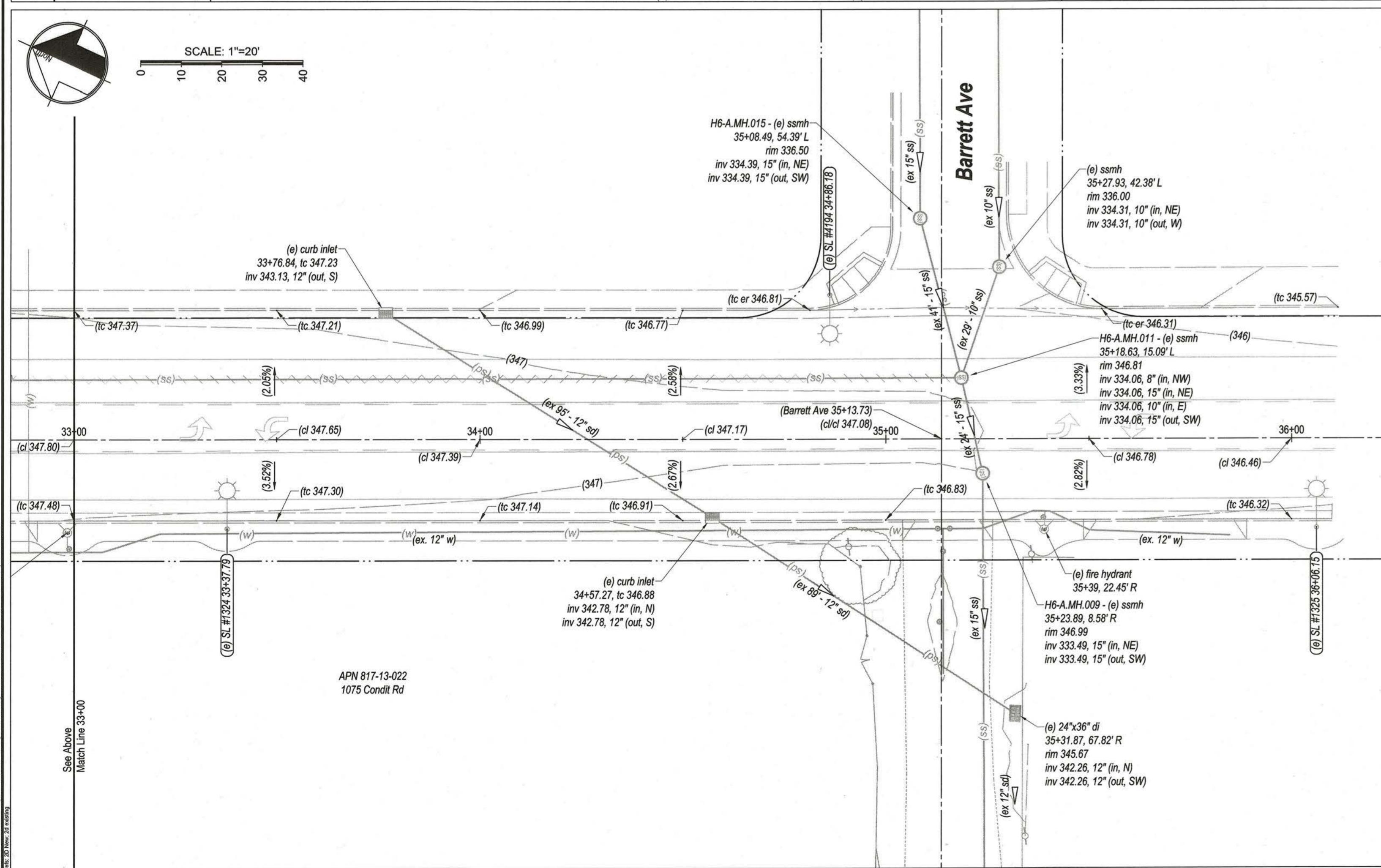
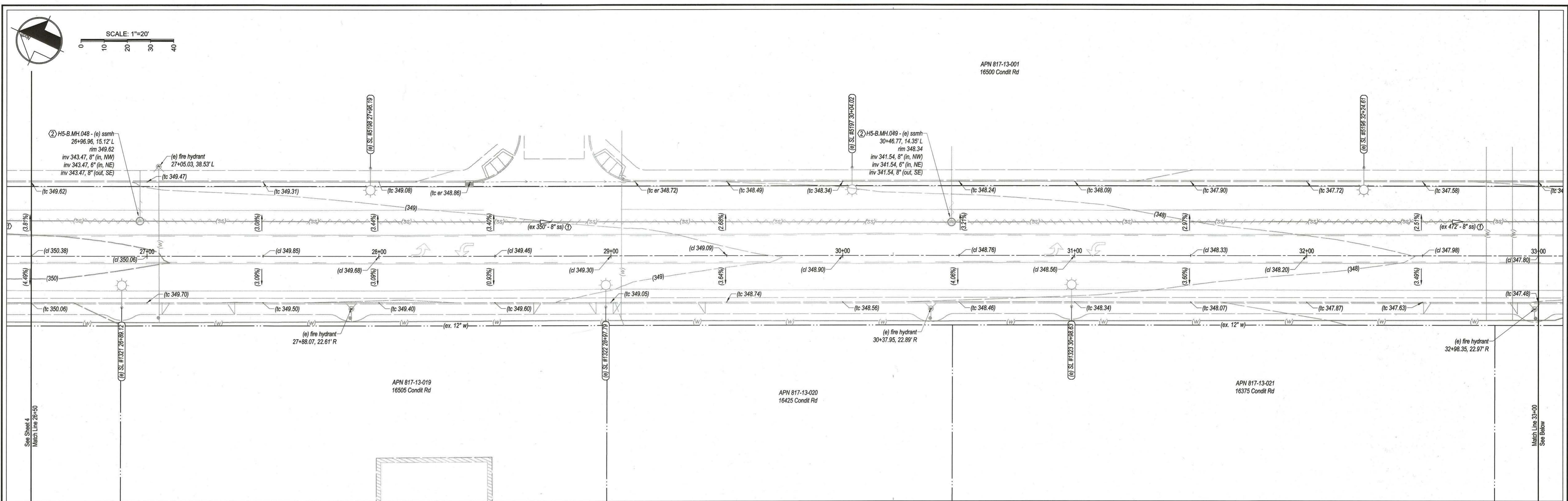
## **Engineering & Utilities**

17575 PEAK AVE. MORGAN HILL, CA 95037  
(408) 776-6480 FAX (408) 779-7236

# **Existing Conditions 0+50 To 13+50 Condition Sewer Capacity Upgrade Project**

FILE NO.	315006
PLAN SET:	2/26/24
DRAWING:	3 OF 13

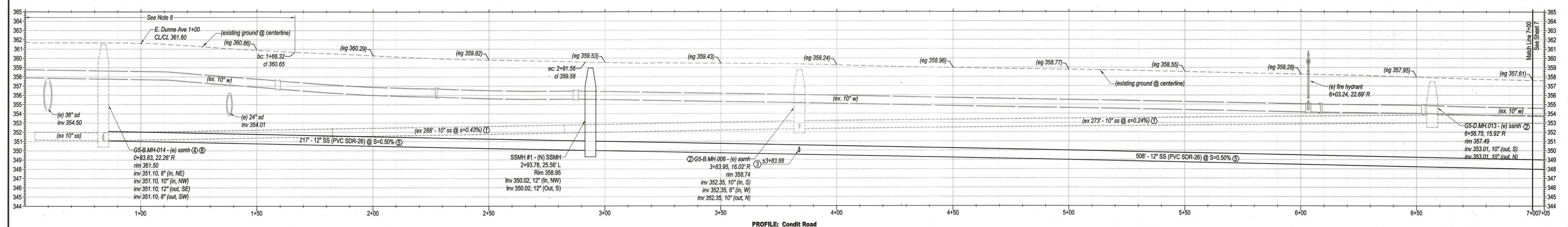
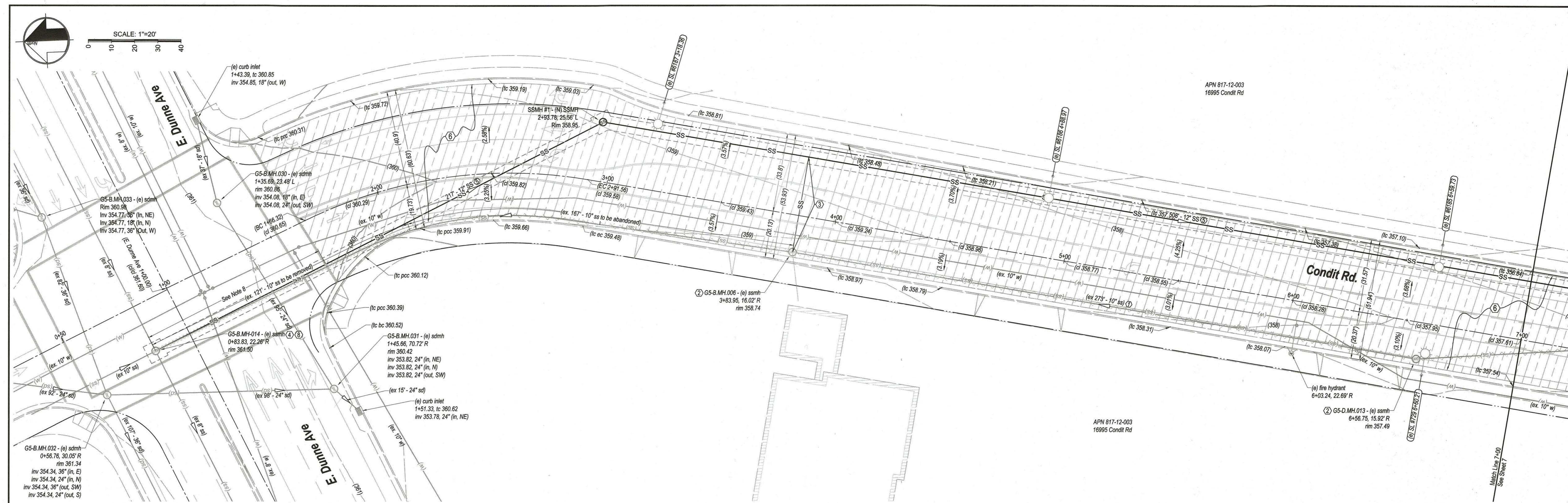




**General Notes:**

- 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.
- 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.

NO.	DESCRIPTION	DATE	BY	WORK ACCEPTED: BY	INSPECTOR: DATE:	DRAWN: KC CHECKED: YC APPROVED: S.C. C. Green	DESIGN: KC DATE: 2/7/24 JOB NO.: 315006	HOR: 1" = 20' VERT: N/A	City of Morgan Hill Engineering & Utilities		Existing Conditions 26+50 To 36+00 Condit Sewer Capacity Upgrade Project	FILE NO: 315006 PLAN SET: 2/26/24 DRAWING: 5 OF 13	
									REVISIONS	REVISIONS			
									Scott C. Green RCE 58879	CITY ENGINEER EXP. DATE 06-30-2025	17575 PEAK AVE. MORGAN HILL, CA 95037 (408) 776-6480 FAX (408) 779-7236	MORGAN HILL	CALIFORNIA



## Construction Notes

- 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 per City Standard Details S-2 and S-3 on Sheet 12. Sanitary sewer lateral to be extended/shortened as necessary.
  - ④ Existing sanitary sewer manhole to be modified per Detail 2 on Sheet 13
  - ⑤ Install new 12" PVC (SDR-26) sanitary sewer main with trench restoration per City Standard Detail U-3 on Sheet 13
  - ⑥ Slurry seal existing roadway surface using Type 2 slurry seal and replace existing striping in kind.
  - ⑦ 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

1. 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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## PROFILE: Condit Road

SCALE H: 1"=20'      SCALE V: 1"=5'

Version Project(CADIMP-06 Plan Profile Condit 00+50 to 07+00.dwg - 2/20/2024 8:29 AM - Plotted 2/28/2024 8:39 AM by Kristian Wallace



# **City of Morgan Hill**

## **Engineering & Utilities**

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(408) 776-6480 FAX (408) 779-7236

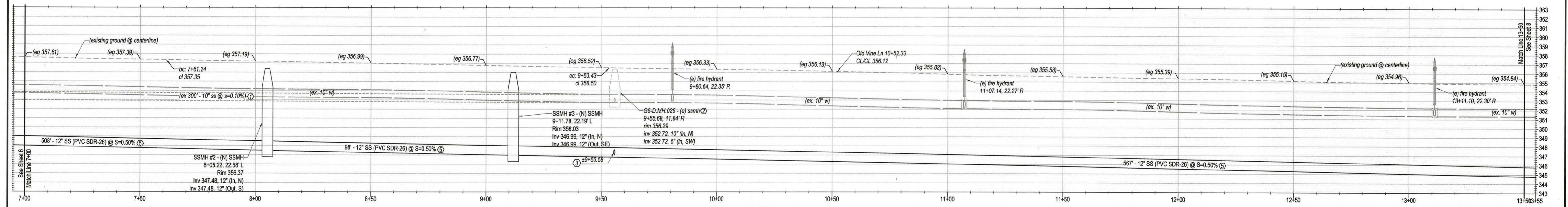
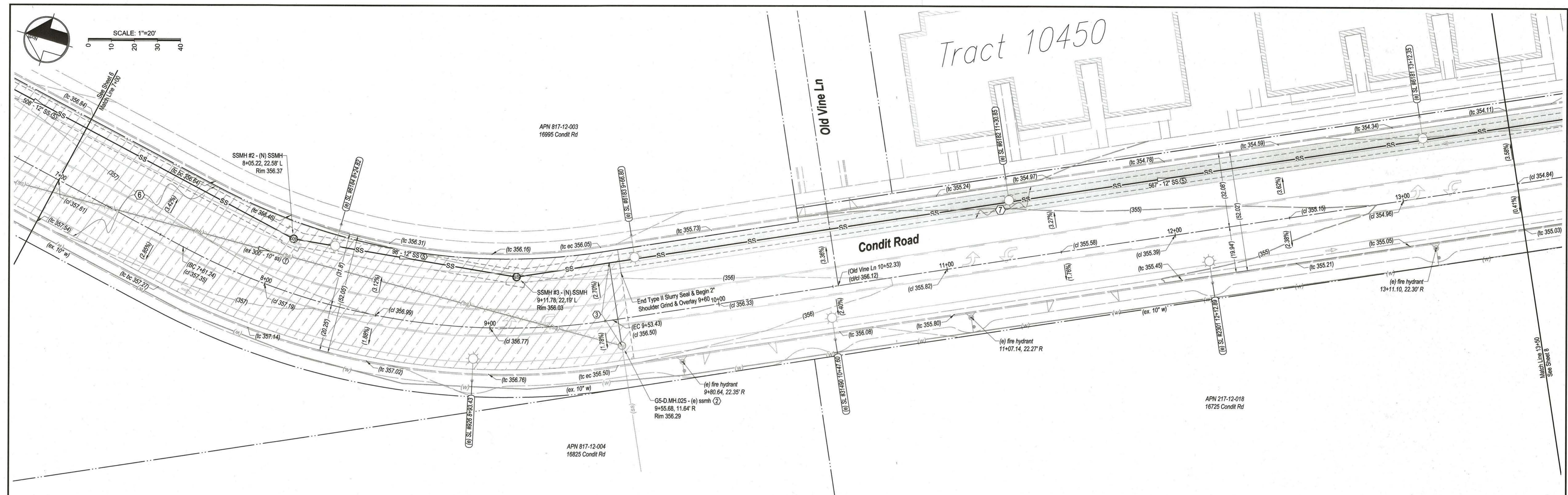
# **Plan Profile - Condit Road 0+50 To 7+00**

## **Condit Sewer Capacity Upgrade Project**

MORGAN HILL

CALIFORNIA 6

LE NO.  
**315006**  
AN SET:  
**2/26/24**  
DRAWING:  
**6 OF 13**



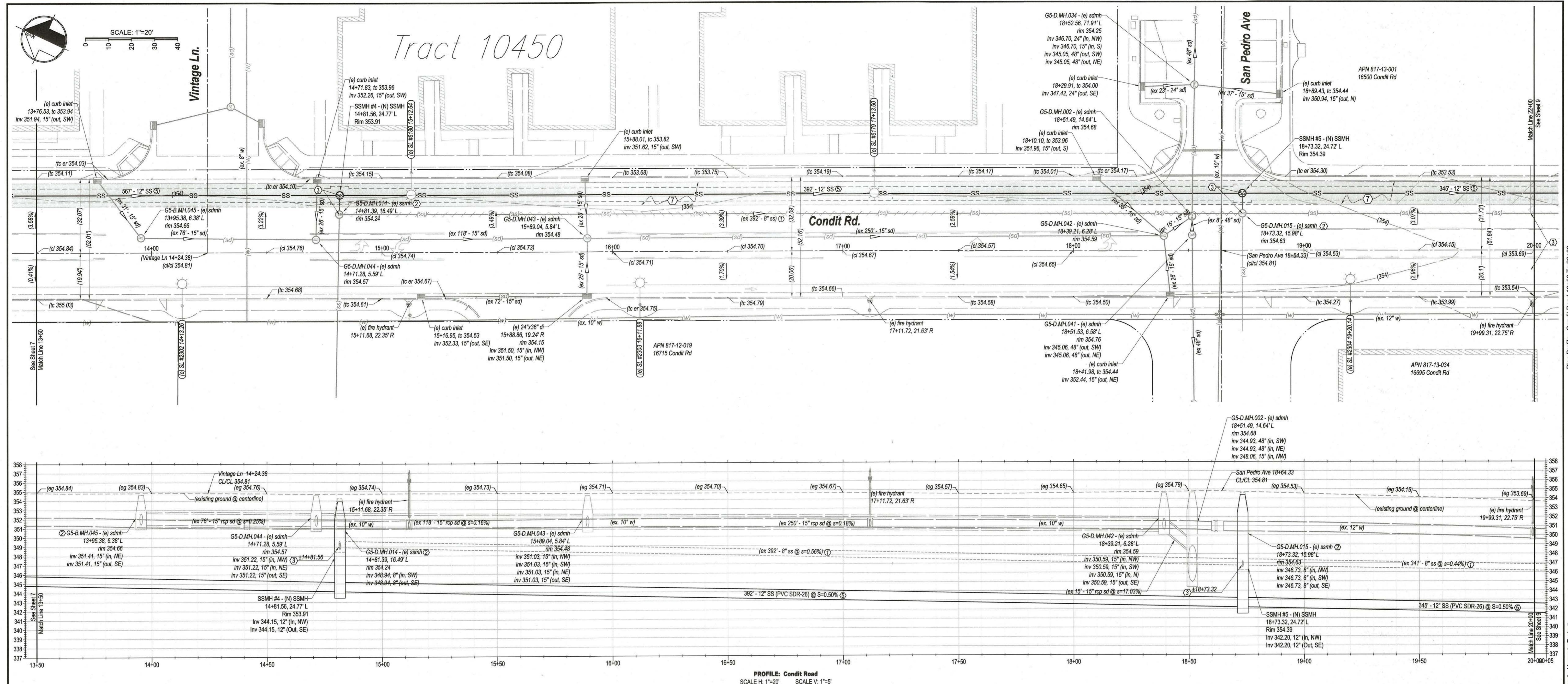
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- ⑥ Slurry seal existing roadway surface using Type 2 slurry seal and replace existing striping in kind.

#### General Notes:

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																			315006
REVISIONS																			
Scott C. Coker CITY ENGINEER RCE 56879 EXP. DATE 06-30-2025																			



## Construction Notes

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  Scott C. Creer RCE 58879      CITY ENGINEER EXP. DATE 06-30-2025									



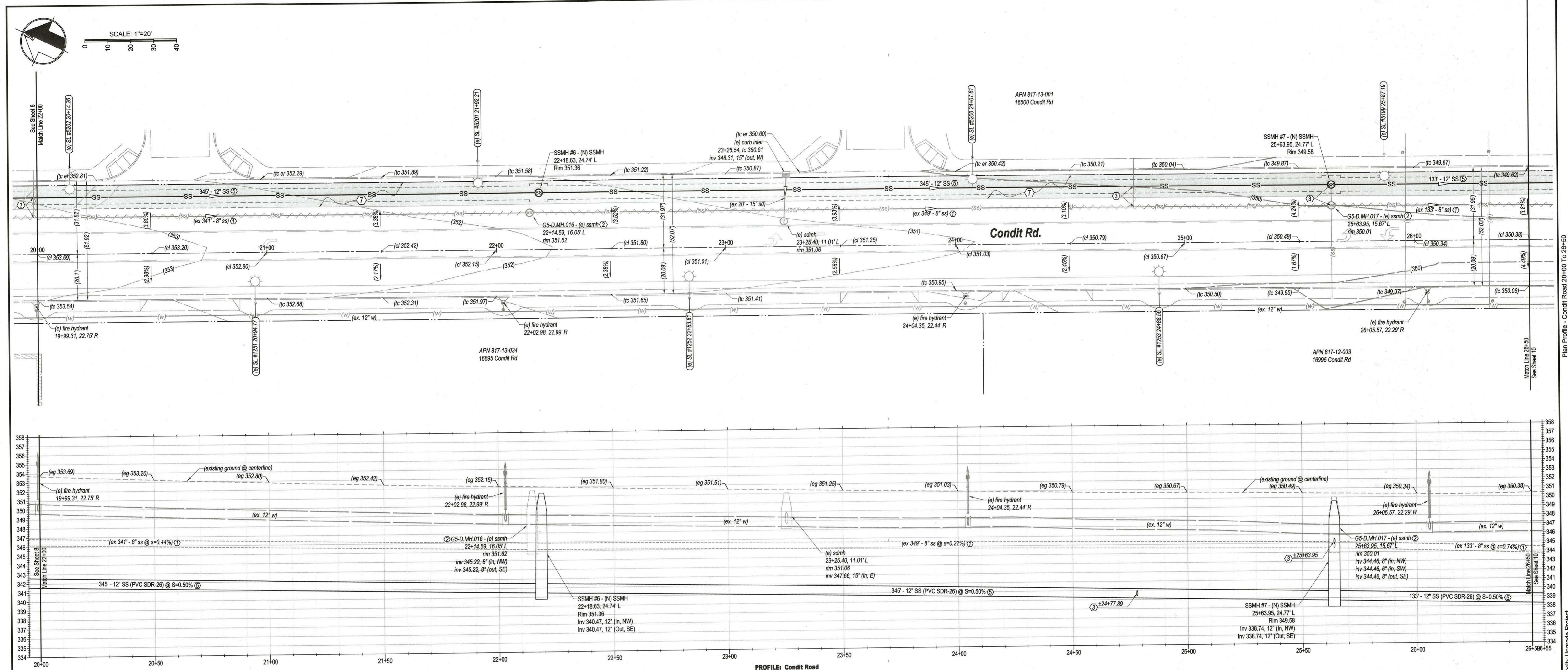
# **City of Morgan Hill**

## Engineering & Utilities

17575 PEAK AVE. MORGAN HILL, CA 95037  
(408) 776-6480 FAX (408) 779-7236

# **Ian Profile - Condit Road 13+50 To 20+00 Condit Sewer Capacity Upgrade Project**

MORGAN HILL



## Construction Notes

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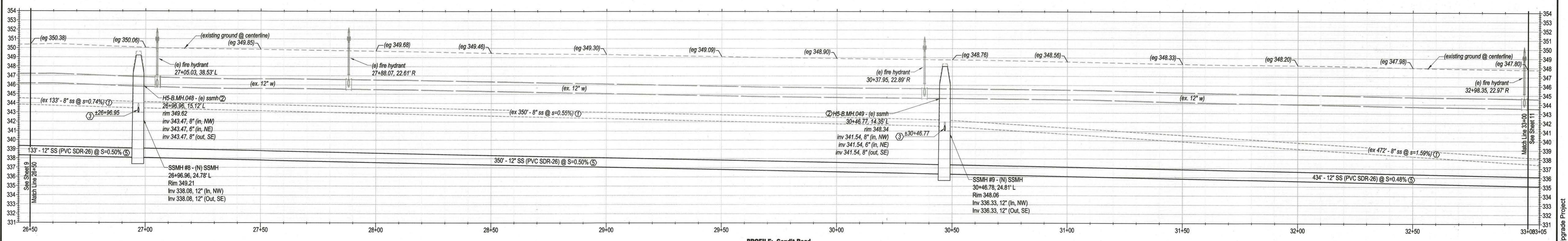
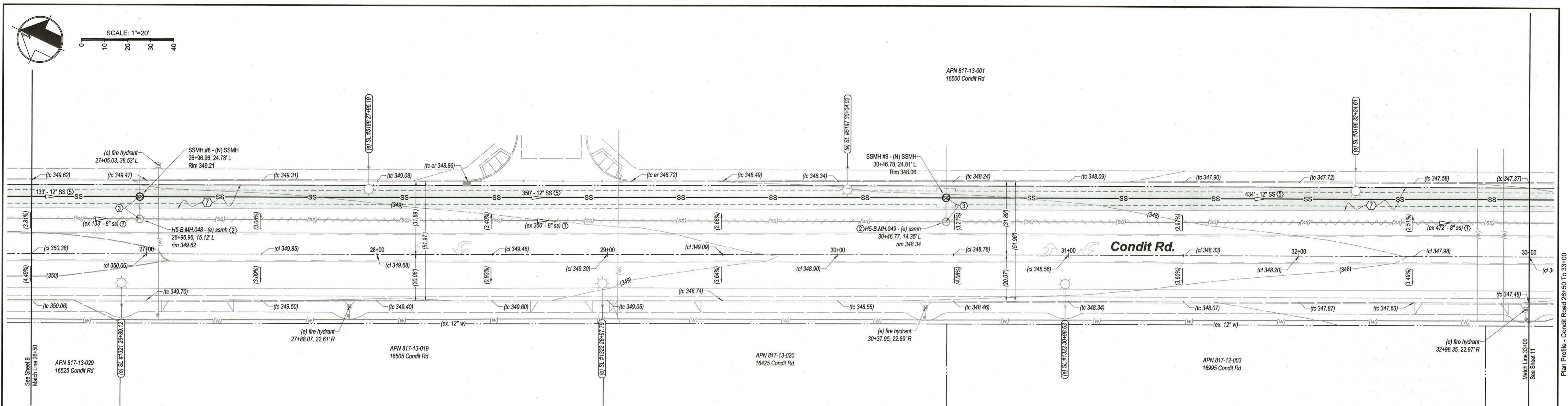
# **City of Morgan Hill**

## Engineering & Utilities

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(408) 776-6480 FAX (408) 779-7236

# **Ian Profile - Condit Road 20+00 To 26+50 Condit Sewer Capacity Upgrade Project**

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



## Construction Notes

- ① Existing sanitary sewer to be capped and abandoned in place per project plans and specifications.
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REVISIONS			
NO.	DESCRIPTION	DATE	BY



# **City of Morgan Hill**

## Engineering & Utilities

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# **Plan Profile - Condit Road 26+50 To 33+00**

## **Condit Sewer Capacity Upgrade Project**

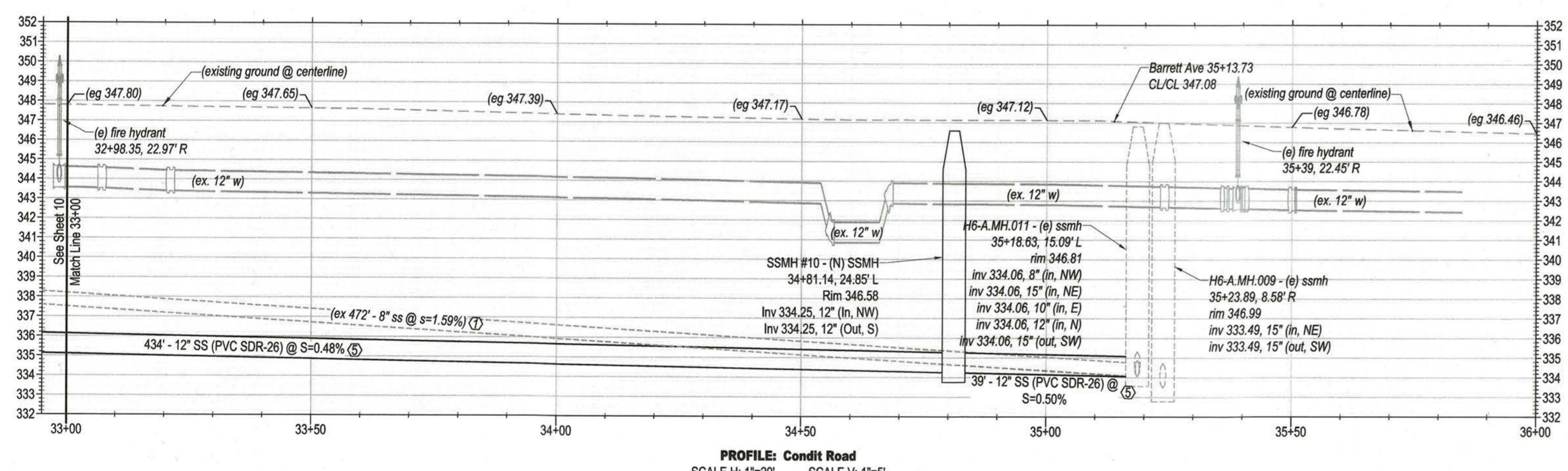
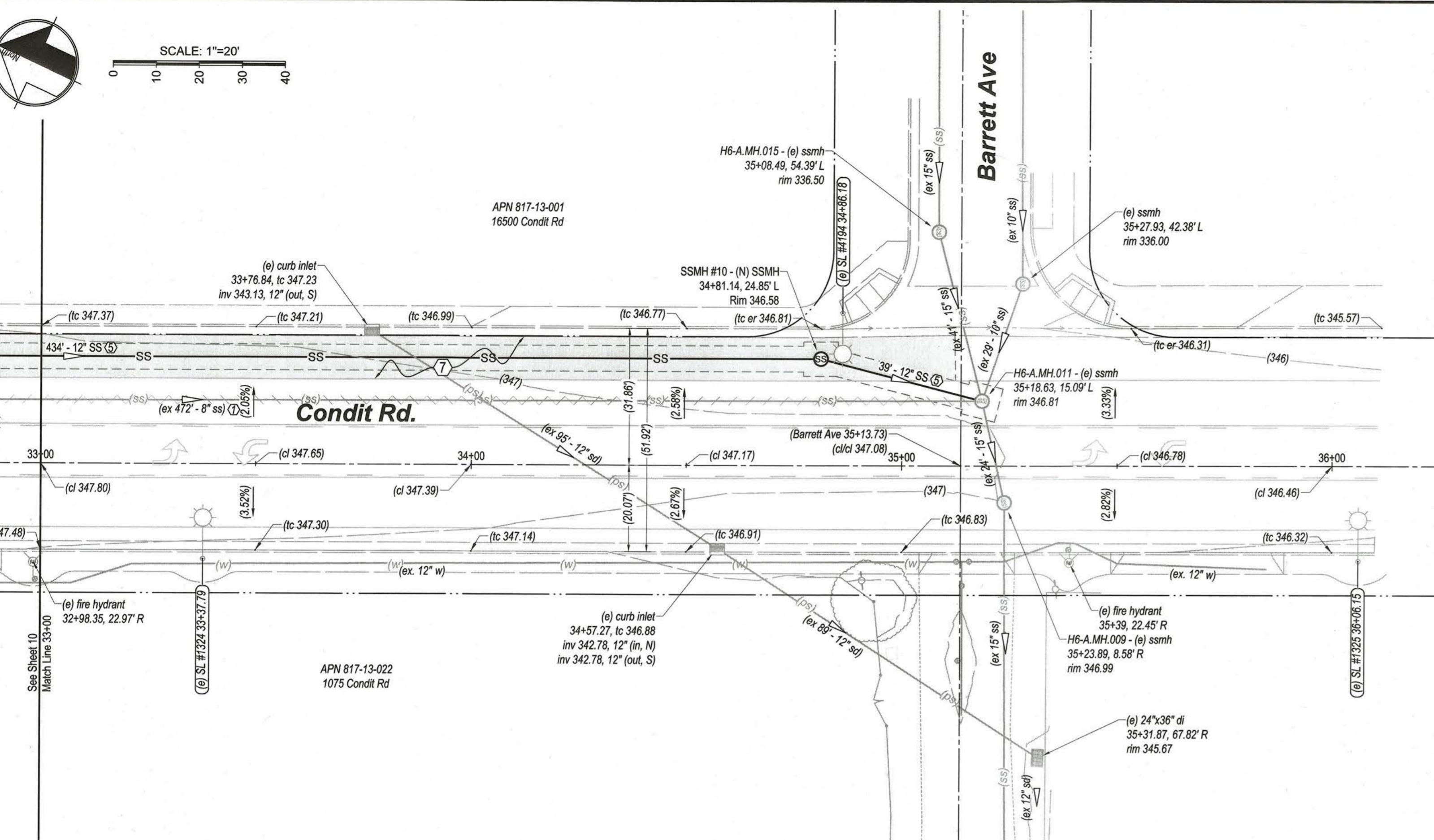
MORGAN HILL

## CALIFORNIA

10 OF 13



SCALE: 1"=20'  
0 10 20 30 40



#### Construction Notes

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REVISIONS

Scott C. Coker  
RCE 59879

CITY ENGINEER  
EXP. DATE 06-30-2025

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17575 PEAK AVE.

## GENERAL SECTION

### CONSTRUCTION WITHIN CITY RIGHT-OF-WAY

No person or contractor shall do or cause to be done any improvement or encroachment work of any kind in any public right-of-way within the City without first obtaining an encroachment permit from the Public Works Department.

Contractors shall provide for a pre-construction meeting with the City Engineer (Municipal Code 17.32.250b) prior to commencing any work. 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 sold project at the end of each working day.

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.

Contractor shall not destroy existing permanent survey monuments; whether property corners or street centerline monuments.

All work shall conform to the latest edition of the City of Morgan Hill Standard Details for Construction. Deviations from the Standard Details must be approved by the City Engineer.

Contractor shall only use equipment provided with a spark arrester device to reduce a potential fire hazard.

Contractor shall not destroy existing permanent survey monuments; whether property corners or street centerline monuments.

A grading permit shall be obtained from the City of Morgan Hill Building Division prior to any grading of public property. Approval for the grading permit shall provide a plan review and inspection by the Building Division. A grading permit is not required for construction 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.

Contractor shall preserve all surrounding property by confining operations to within the "Line of Work". The contractor shall be responsible for maintaining access for all adjoining residents and/or business to provide access and in a timely 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.

### RIGHT OF MODIFICATION

Approval of an improvement plan does not release owner/subdivider of the responsibility for correction of mistakes, errors, or omissions, contained within the plans. If during the course of construction, the City Engineer observes a condition or feature from the improvement plans that are 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.

### CITY OF MORGAN HILL

Public Works Department

Jim DeSmet

4/1/96

DATE

REVISED

GENERAL NOTES

DRAWING NO.

G-I

## OFF-SITE WATER AND DUST CONTROL

Contractor shall provide a water truck onsite at all times. Contractor will be required to draw water from the City of Morgan Hill Water Distribution System only after obtaining a hydrometer meter from the Public Works Department and installing the meter on a preexisting backflow device or filter system. Disposal fees paid for "off-site" construction water which shall not be used for building construction.

Contractor shall keep all dust and construction activity to the maximum extent possible.

Contractor shall clean all existing street curbs, gutters, and sidewalks affected by the project at the end of each working day.

### 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.

### 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 CALTRANS "Manual of Uniform Traffic Control Devices for Use in Performing Work Upon Highways" while working within the public right-of-way. Two traffic lanes (10' min.), shall be open to vehicular traffic during all hours, weekends, and holidays. One lane one way traffic may be used if the number of lanes is less than 2 (two) competent lanes during construction operations. Street closures and detours shall only take place upon City Engineer approval and Police Department coordination.

Contractor shall only use equipment provided with a spark arrester device to reduce a potential fire hazard.

Contractor shall not destroy existing permanent survey monuments; whether property corners or street centerline monuments.

All work shall conform to the latest edition of the City of Morgan Hill Standard Details for Construction. Deviations from the Standard Details must be approved by the City Engineer.

Contractor shall only use equipment provided with a spark arrester device to reduce a potential fire hazard.

Contractor shall not destroy existing permanent survey monuments; whether property corners or street centerline monuments.

A grading permit shall be obtained from the City of Morgan Hill Building Division prior to any grading of public property. Approval for the grading permit shall provide a plan review and inspection by the Building Division. A grading permit is not required for construction 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.

Contractor shall preserve all surrounding property by confining operations to within the "Line of Work". The contractor shall be responsible for maintaining access for all adjoining residents and/or business to provide access and in a timely 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.

Contractor shall not destroy existing permanent survey monuments; whether property corners or street centerline monuments.

Approval of an improvement plan does not release owner/subdivider of the responsibility for correction of mistakes, errors, or omissions, contained within the plans. If during the course of construction, the City Engineer observes a condition or feature from the improvement plans that are 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.

### CITY OF MORGAN HILL

Public Works Department

Jim DeSmet

4/1/96

DATE

REVISED

GENERAL NOTES

DRAWING NO.

G-II

## SANITARY SEWER

### GENERAL

All Sanitary Sewers shall be constructed in accordance with the City of Morgan Hill Standard Details. Materials shall conform to the American Society for Testing and Materials (ASTM), and the American Water Works Association (AWWA), except as modified herein.

### SEWER MAINS

Main sewer lines shall be PVC or ABS "composite wall" pipe. PVC solid wall pipe, ABS solid wall pipe, polyurethane lined D.I.P. or PVC C900. Polyurethane D.I.P. (or PVC C900 upon City Engineer approval) shall be used where pipe cover is less than 3 feet and at least 2 feet.

After all testing, backfill 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.

### TYPES OF SEWER MAIN/LATERALS

#### POLY-VINYL CHLORIDE (PVC)

Poly-Vinyl Chloride (4" to 12") solid wall pipe, shall conform to ASTM D 3034 (SDR 26) with rubber gasket joints. PVC used for force or shallow main shall conform to AWWA C900 and installation conform to ASTM D 2774.

#### ACRYLONITRILE-BUTADIENE-STYRENE (ABS)

Acrylonitrile-Butadiene-Styrene (4" to 12") solid wall pipe, shall conform to ASTM D 2751 (SDR 26).

#### COMPOSITE WALL PIPE

Double wall, truss type broad, and concrete fitted, composite wall pipe, shall conform to ASTM D 2880, SDR 23.5.

#### DUCTILE IRON PIPE (Polyurethane Lined & Polyethylene Enclosed)

Polyurethane Lined D.I.P. for force mains or shallow mains, shall be "POLYURETHANE Lined Ductile Iron Pipe and Fittings" as manufactured by U.S. Pipe or approved equal. Polyethylene Enclosure shall be "GREENSHIELD Polyethylene Film" as manufactured by U.S. Pipe or approved equal, and conform to AWWA C105.

#### SEWER MAIN/LATERAL INSTALLATION

PVC/ABS solid wall pipe shall be installed per ASTM D323 using sand as the embedment material. Sand shall conform to CALTRANS Section 19-3.028.

#### LATERALS

The underground contractor shall keep an accurate record of all manholes and the distance between them and each wye branch lateral and their direction. Laterals shall be laid on a minimum of 2% grade. The end of the lateral shall be marked as shown in Detail S-2, prior to construction on the curb and gutter. The concrete contractor shall stamp on "S" on the face of curb directly above the lateral.

#### MANHOLE TEST

A Mandrel test may be required by the City Engineer. The Mandrel shall be 4% smaller than the inside diameter of the pipe tested.

The contractor's attention is directed to the fact that the stipulated maximum leakage shall not exceed the contractor's maximum obtainable correct, stop or otherwise remedy individual leaks in the system due to defective workmanship or material even though such leakage might fall within the maximum.

#### MANHOLE

Manhole bases shall be cast in place. Precast bases may be used if approved by the City Engineer. Manholes shall be waterproofed by grouting and/or pointing the interior with COLORED sodium silicate or other approved waterproofing.

If the City suspects any damage or breaks in the line, a television inspection may be required within the one year warranty period at the contractor's expense. All defects discovered in this inspection shall be corrected by the contractor at his expense.

#### MANHOLE

Manhole bases shall be cast in place. Precast bases may be used if approved by the City Engineer. Manholes shall be waterproofed by grouting and/or pointing the interior with COLORED sodium silicate or other approved waterproofing.

The Contractor shall follow the standards set in the National Association of Sewer Service, (NASSCO), "Pipeline Assessment Certification Program Condition Classification"(PACP) most current, to describe internal pipe conditions and/or defects.

Measuring devices and depth tolerances for trapped water shall be as follows:

### TELEVISION INSPECTION

After the leakage test, but prior to paving, a television inspection shall be performed at all locations of newly installed sewer mains throughout the project at contractor's expense. The television inspection shall be made in the presence of the Inspector and contractor.

An electronic format & (Flash Drive) video shall be furnished by the contractor to the City at the initial inspection and upon the completion of any repairs. All LACP and/or MACP version 7.0 or later. A written Inspection Log for all video inspections shall accompany each DVD. Logs and data from the inspection shall be measured from center point of each manhole and shall clearly show the location in relation to the manholes and the location of the sewer lines. As a minimum, each Log shall include the location and left/right orientation of all service laterals, the location and depth of sags, offset pipes, or any other points of significance.

Additionally, each record shall accurately describe the above ground location of the sewer section including the street name, direction (north, south, etc.), direction of flow, adjacencies, manholes, and any other information that will identify and quickly identify the section. All defects and deficiencies discovered in this inspection shall be corrected by the contractor to the satisfaction of the City Engineer and at the contractor's expense.

Measuring devices and depth tolerances for trapped water shall be as follows:

Device	Depth Tolerance
6"	0.08"
8"	0.11"
10"	0.13"
12"	0.16"
15"	0.20"
>15"	10% of pipe area

The Contractor shall follow the standards set in the National Association of Sewer Service, (NASSCO), "Pipeline Assessment Certification Program Condition Classification"(PACP) most current, to describe internal pipe conditions and/or defects.

If the City suspects any damage or breaks in the line, a television inspection may be required within the one year warranty period at the contractor's expense. All defects discovered in this inspection shall be corrected by the contractor at his expense.

#### MANHOLE

Manhole bases shall be cast in place. Precast bases may be used if approved by the City Engineer. Manholes shall be waterproofed by grouting and/or pointing the interior with COLORED sodium silicate or other approved waterproofing.

### CITY OF MORGAN HILL

Public Works Department

Jim DeSmet

4/1/96

DATE

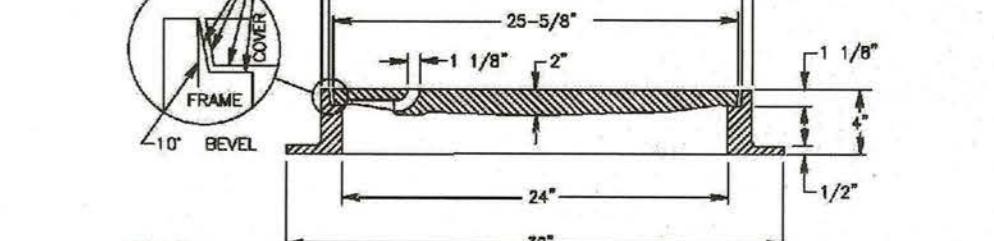
REVISED

GENERAL NOTES

DRAWING NO.

S-II

## CONDIT SEWER CAPACITY UPGRADE PROJECT



1. MANHOLE FRAME AND COVER SHALL BE SOUTH BAY TOWARD SDR-1254 OR AN APPROVED EQUAL WHICH MEETS MINIMUM SET WEIGHT.

2. CASTING SHALL BE DIPPED IN ASPHALT PAINT.

3. MINIMUM SET WEIGHT IS 315 LBS.

4. CAST IRON SHOT CEMENT CONCRETE WITH A 48 CLASS 3000.

5. WHERE BOLT DOWN COVERS ARE USED ON THE PLANS, ADD BOSSES TO FRAME (4 EA @ 90°). SEE DETAIL S-5.

6. MANHOLE COVERS ARE TO BE BURIED IN CONCRETE DIMENSIONS.

7. MANUFACTURER TO CERTIFY THAT FRAME AND COVER MEET ALL LOAD REQUIREMENTS FOR H-20 HIGHWAY LOADING.

8. 1/8" FLAT NEOPRENE GASKET.

9. 4 3/8" HEX-HEAD STAINLESS STEEL BOLTS.

10. SIDE PRY HOLE.

NOTES:

1. THIS DETAIL SHALL BE USED WHEN DISTANCE "X" IS GREATER THAN 2'-0" FROM INVERT OUTSIDE DROP MANHOLE SHORING. INSIDE MANHOLES MAY ONLY BE USED WITH WRITTEN PERMISSION OF THE CITY ENGINEER.

2. USE CONCRETE COULD NOT BE USED WHEN APPROVED BY THE CITY ENGINEER.

3. MANHOLE COULD NOT BE CONNECTED DIRECTLY TO THE MANHOLE BARREL SECTION AT THE END OF CUL DE SAC. OTHER APPLICATIONS REQUIRE APPROVAL BY THE CITY ENGINEER.

4. CONNECTION TO PRE-CAST SECTION OF MANHOLE SHALL BE SEALED WITH "TRIMNECK" TYPE GASKET MATERIAL AND SHALL BE MORTARED AS DESCRIBED IN NOTE 3 OF DETAIL S-4.

5. MANHOLE COULD NOT BE CONNECTED DIRECTLY TO THE MANHOLE BARREL SECTION AT THE END OF CUL DE SAC. OTHER APPLICATIONS REQUIRE APPROVAL BY THE CITY ENGINEER.

6. CONNECTION TO PRE-CAST SECTION OF MANHOLE SHALL BE SEALED WITH "TRIMNECK" TYPE GASKET MATERIAL AND SHALL BE MORTARED AS DESCRIBED IN NOTE 3 OF DETAIL S-4.

7. MANHOLE COULD NOT BE CONNECTED DIRECTLY TO THE MANHOLE BARREL SECTION AT THE END OF CUL DE SAC. OTHER APPLICATIONS REQUIRE APPROVAL BY THE CITY ENGINEER.

8. CONNECTION TO PRE-CAST SECTION OF MANHOLE SHALL BE SEALED WITH "TRIMNECK" TYPE GASKET MATERIAL AND SHALL BE MORTARED AS DESCRIBED IN NOTE 3 OF DETAIL S-4.

9. CONNECTION TO PRE-CAST SECTION OF MANHOLE SHALL BE SEALED WITH "TRIMNECK" TYPE GASKET MATERIAL AND SHALL BE MORTARED AS DESCRIBED IN NOTE 3 OF DETAIL S-4.

10. CONNECTION TO PRE-CAST SECTION OF MANHOLE SHALL BE SEALED WITH "TRIMNECK" TYPE GASKET MATERIAL AND SHALL BE MORTARED AS DESCRIBED IN NOTE 3 OF DETAIL S-4.

<p><b>GENERAL SECTION</b></p> <p><b>CONSTRUCTION WITHIN CITY RIGHT-OF-WAY</b></p> <p>No person or contractor shall do or cause to be done any improvement or encroachment work of any kind in any public right-of-way within the City without first having obtained an encroachment permit from the Public Works Department.</p> <p>Developers 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 all site planning, pre-construction, and improvement work on land offered for dedication right-of-way, public utility easement or public service easement.</p> <p>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.</p> <p>Contractor shall not destroy existing permanent survey monuments; whether property corners or street centerline monuments.</p> <p>All work shall conform to the latest edition of the City of Morgan Hill Standard Details for Construction. Deviations from the Standard Details must be approved by the City Engineer.</p> <p>Contractor shall only use equipment provided with a spark arrester device to reduce a potential fire hazard.</p> <p><b>ON-SITE CONSTRUCTION</b></p> <p>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 Soils Engineer. A grading permit shall provide a plan to control the amount of soil to be removed upon completion of the project and completion of a pre-construction meeting, shall contractor commence off-site grading.</p> <p>Contractor shall preserve all 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 of 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.</p> <p><b>RIGHT OF MODIFICATION</b></p> <p>Approval of an improvement plan does not release owner/subdivider of the responsibility for correction of mistakes, errors, or omissions, contained within the plans. If during the course of construction, public interest requires a modification of or a departure from the improvement plan or these 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.</p>		
<p><b>City of Morgan Hill</b> Public Works Department Jim Bokeloff 4/1/96 CITY ENGINEER DATE REVISED</p>	<p><b>GENERAL NOTES</b> GENERAL NOTES Jim Bokeloff 4/1/96 CITY ENGINEER DATE REVISED</p>	<p><b>DRAWING NO.</b> G-I</p>
<p><b>OFF-SITE WATER AND DUST CONTROL</b></p> <p>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" water and dust control equipment and shall be responsible for use. Contractor shall keep down dust 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.</p> <p><b>MATERIAL STORAGE</b></p> <p>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.</p> <p><b>TRAFFIC CONTROL</b></p> <p>Contractor shall submit a traffic control plan for approval to the Public Works Department at least 5 days prior to any work which 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 CALTRANS "Manual of Warning Signs, Lights, and Devices for Use in Performance of Work". Upon completion of work, which may affect public rights-of-way (e.g. 12' wide, 18' wide, 24' wide, 30' wide, 36' wide, 42' wide, 48' wide, 54' wide, 60' wide, 66' wide, 72' wide, 78' wide, 84' wide, 90' wide, 96' wide, 102' wide, 108' wide, 114' wide, 120' wide, 126' wide, 132' wide, 138' wide, 144' wide, 150' wide, 156' wide, 162' wide, 168' wide, 174' wide, 180' wide, 186' wide, 192' wide, 198' wide, 204' wide, 210' wide, 216' wide, 222' wide, 228' wide, 234' wide, 240' wide, 246' wide, 252' wide, 258' wide, 264' wide, 270' wide, 276' wide, 282' wide, 288' wide, 294' wide, 300' wide, 306' wide, 312' wide, 318' wide, 324' wide, 330' wide, 336' wide, 342' wide, 348' wide, 354' wide, 360' wide, 366' wide, 372' wide, 378' wide, 384' wide, 390' wide, 396' wide, 402' wide, 408' wide, 414' wide, 420' wide, 426' wide, 432' wide, 438' wide, 444' wide, 450' wide, 456' wide, 462' wide, 468' wide, 474' wide, 480' wide, 486' wide, 492' wide, 498' wide, 504' wide, 510' wide, 516' wide, 522' wide, 528' wide, 534' wide, 540' wide, 546' wide, 552' wide, 558' wide, 564' wide, 570' wide, 576' wide, 582' wide, 588' wide, 594' wide, 598' wide, 604' wide, 610' wide, 616' wide, 622' wide, 628' wide, 634' wide, 640' wide, 646' wide, 652' wide, 658' wide, 664' wide, 670' wide, 676' wide, 682' wide, 688' wide, 694' wide, 698' wide, 704' wide, 710' wide, 716' wide, 722' wide, 728' wide, 734' wide, 740' wide, 746' wide, 752' wide, 758' wide, 764' wide, 770' wide, 776' wide, 782' wide, 788' wide, 794' wide, 798' wide, 804' wide, 810' wide, 816' wide, 822' wide, 828' wide, 834' wide, 840' wide, 846' wide, 852' wide, 858' wide, 864' wide, 870' wide, 876' wide, 882' wide, 888' wide, 894' wide, 898' wide, 904' wide, 910' wide, 916' wide, 922' wide, 928' wide, 934' wide, 940' wide, 946' wide, 952' wide, 958' wide, 964' wide, 970' wide, 976' wide, 982' wide, 988' wide, 994' wide, 998' wide, 1004' wide, 1010' wide, 1016' wide, 1022' wide, 1028' wide, 1034' wide, 1040' wide, 1046' wide, 1052' wide, 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2034' wide, 2040' wide, 2046' wide, 2052' wide, 2058' wide, 2064' wide, 2070' wide, 2076' wide, 2082' wide, 2088' wide, 2094' wide, 2098' wide, 2104' wide, 2110' wide, 2116' wide, 2122' wide, 2128' wide, 2134' wide, 2140' wide, 2146' wide, 2152' wide, 2158' wide, 2164' wide, 2170' wide, 2176' wide, 2182' wide, 2188' wide, 2194' wide, 2198' wide, 2204' wide, 2210' wide, 2216' wide, 2222' wide, 2228' wide, 2234' wide, 2240' wide, 2246' wide, 2252' wide, 2258' wide, 2264' wide, 2270' wide, 2276' wide, 2282' wide, 2288' wide, 2294' wide, 2298' wide, 2304' wide, 2310' wide, 2316' wide, 2322' wide, 2328' wide, 2334' wide, 2340' wide, 2346' wide, 2352' wide, 2358' wide, 2364' wide, 2370' wide, 2376' wide, 2382' wide, 2388' wide, 2394' wide, 2398' wide, 2404' wide, 2410' wide, 2416' wide, 2422' wide, 2428' wide, 2434' wide, 2440' wide, 2446' wide, 2452' wide, 2458' wide, 2464' wide, 2470' wide, 2476' wide, 2482' wide, 2488' wide, 2494' wide, 2498' wide, 2504' wide, 2510' wide, 2516' wide, 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3010' wide, 3016' wide, 3022' wide, 3028' wide, 3034' wide, 3040' wide, 3046' wide, 3052' wide, 3058' wide, 3064' wide, 3070' wide, 3076' wide, 3082' wide, 3088' wide, 3094' wide, 3098' wide, 3104' wide, 3110' wide, 3116' wide, 3122' wide, 3128' wide, 3134' wide, 3140' wide, 3146' wide, 3152' wide, 3158' wide, 3164' wide, 3170' wide, 3176' wide, 3182' wide, 3188' wide, 3194' wide, 3198' wide, 3204' wide, 3210' wide, 3216' wide, 3222' wide, 3228' wide, 3234' wide, 3240' wide, 3246' wide, 3252' wide, 3258' wide, 3264' wide, 3270' wide, 3276' wide, 3282' wide, 3288' wide, 3294' wide, 3298' wide, 3304' wide, 3310' wide, 3316' wide, 3322' wide, 3328' wide, 3334' wide, 3340' wide, 3346' wide, 3352' wide, 3358' wide, 3364' wide, 3370' wide, 3376' wide, 3382' wide, 3388' wide, 3394' wide, 3398' wide, 3404' wide, 3410' wide, 3416' wide, 3422' wide, 3428' wide, 3434' wide, 3440' wide, 3446' wide, 3452' wide, 3458' wide, 3464' wide, 3470' wide, 3476' wide, 3482' wide, 3488' wide, 3494' wide, 3498' wide, 3504' wide, 3510' wide, 3516' wide, 3522' wide, 3528' wide, 3534' wide, 3540' wide, 3546' wide, 3552' wide, 3558' wide, 3564' wide, 3570' wide, 3576' wide, 3582' wide, 3588' wide, 3594' wide, 3598' wide, 3604' wide, 3610' wide, 3616' wide, 3622' wide, 3628' wide, 3634' wide, 3640' wide, 3646' wide, 3652' wide, 3658' wide, 3664' wide, 3670' wide, 3676' wide, 3682' wide, 3688' wide, 3694' wide, 3698' wide, 3704' wide, 3710' wide, 3716' wide, 3722' wide, 3728' wide, 3734' wide, 3740' wide, 3746' wide, 3752' wide, 3758' wide, 3764' wide, 3770' wide, 3776' wide, 3782' wide, 3788' wide, 3794' wide, 3798' wide, 3804' wide, 3810' wide, 3816' wide, 3822' wide, 3828' wide, 3834' wide, 3840' wide, 3846' wide, 3852' wide, 3858' wide, 3864' wide, 3870' wide, 3876' wide, 3882' wide, 3888' wide, 3894' wide, 3898' wide, 3904' wide, 3910' wide, 3916' wide, 3922' wide, 3928' wide, 3934' wide, 3940' wide, 3946' wide, 3952' wide, 3958' wide, 3964' wide, 3970' wide, 3976' wide, 3982' wide, 3988' wide, 3994' wide, 3998' wide, 4004' wide, 4010' wide, 4016' wide, 4022' wide, 4028' wide, 4034' wide, 4040' wide, 4046' wide, 4052' wide, 4058' wide, 4064' wide, 4070' wide, 4076' wide, 4082' wide, 4088' wide, 4094' wide, 4098' wide, 4104' wide, 4110' wide, 4116' wide, 4122' wide, 4128' wide, 4134' wide, 4140' wide, 4146' wide, 4152' wide, 4158' wide, 4164' wide, 4170' wide, 4176' wide, 4182' wide, 4188' wide, 4194' wide, 4198' wide, 4204' wide, 4210' wide, 4216' wide, 4222' wide, 4228' wide, 4234' wide, 4240' wide, 4246' wide, 4252' wide, 4258' wide, 4264' wide, 4270' wide, 4276' wide, 4282' wide, 4288' wide, 4294' wide, 4298' wide, 4304' wide, 4310' wide, 4316' wide, 4322' wide, 4328' wide, 4334' wide, 4340' wide, 4346' wide, 4352' wide, 4358' wide, 4364' wide, 4370' wide, 4376' wide, 4382' wide, 4388' wide, 4394' wide, 4398' wide, 4404' wide, 4410' wide, 4416' wide, 4422' wide, 4428' wide, 4434' wide, 4440' wide, 4446' wide, 4452' wide, 4458' wide, 4464' wide, 4470' wide, 4476' wide, 4482' wide, 4488' wide, 4494' wide, 4498' wide, 4504' wide, 4510' wide, 4516' wide, 4522' wide, 4528' wide, 4534' wide, 4540' wide, 4546' wide, 4552' wide, 4558' wide, 4564' wide, 4570' wide, 4576' wide, 4582' wide, 4588' wide, 4594' wide, 4598' wide, 4604' wide, 4610' wide, 4616' wide, 4622' wide, 4628' wide, 4634' wide, 4640' wide, 4646' wide, 4652' wide, 4658' wide, 4664' wide, 4670' wide, 4676' wide, 4682' wide, 4688' wide, 4694' wide, 4698' wide, 4704' wide, 4710' wide, 4716' wide, 4722' wide, 4728' wide, 4734' wide, 4740' wide, 4746' wide, 4752' wide, 4758' wide, 4764' wide, 4770' wide, 4776' wide, 4782' wide, 4788' wide, 4794' wide, 4798' wide, 4804' wide, 4810' wide, 4816' wide, 4822' wide, 4828' wide, 4834' wide, 4840' wide, 4846' wide, 4852' wide, 4858' wide, 4864' wide, 4870' wide, 4876' wide, 4882' wide, 4888' wide, 4894' wide, 4898' wide, 4904' wide, 4910' wide, 4916' wide, 4922' wide, 4928' wide, 4934' wide, 4940' wide, 4946' wide, 4952' wide, 4958' wide, 4964' wide, 4970' wide, 4976' wide, 4982' wide, 4988' wide, 4994' wide, 4998' wide, 5004' wide, 5010' wide, 5016' wide, 5022' wide, 5028' wide, 5034' wide, 5040' wide, 5046' wide, 5052' wide, 5058' wide, 5064' wide, 5070' wide, 5076' wide, 5082' wide, 5088' wide, 5094' wide, 5098' wide, 5104' wide, 51</p>		