

CITY OF TRINIDAD

STORM WATER MANAGEMENT IMPROVEMENT PROJECT

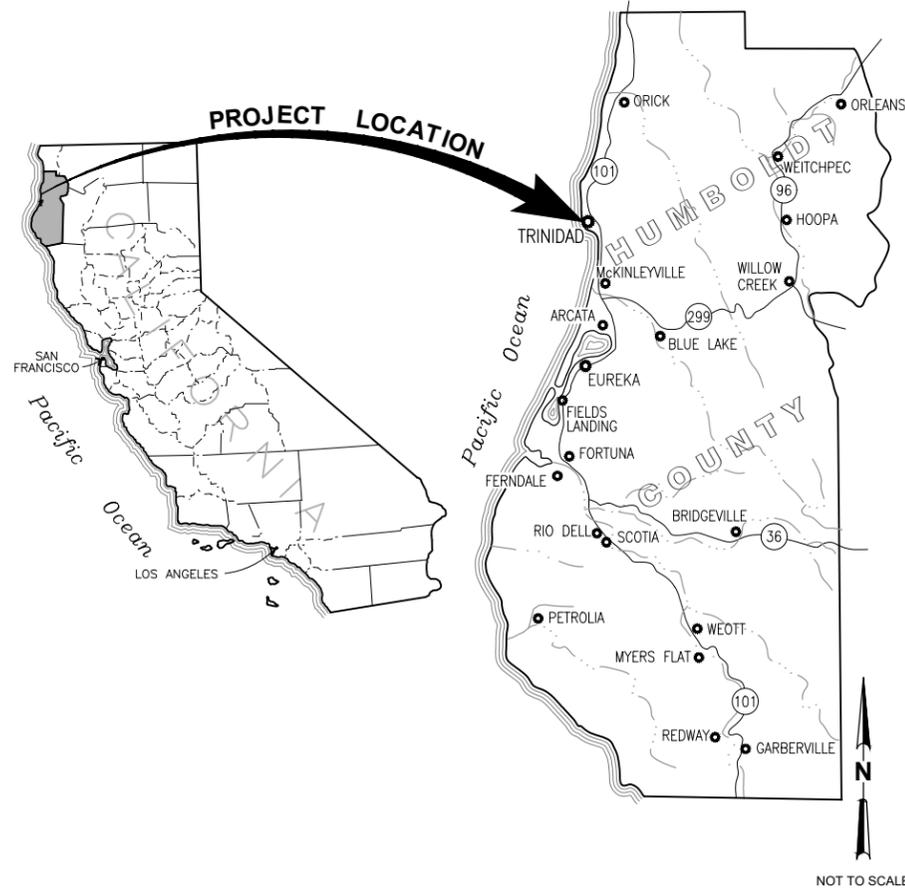
AUGUST 2019

PREPARED BY



NOTE:
 FUNDING FOR THIS PROJECT HAS BEEN PROVIDED IN FULL OR IN PART THROUGH AN AGREEMENT WITH THE STATE WATER RESOURCES CONTROL BOARD. THE CONTENTS OF THIS DOCUMENT DO NOT NECESSARILY REFLECT THE VIEWS AND POLICIES OF THE STATE WATER RESOURCES CONTROL BOARD, NOR DOES MENTION OF TRADE NAMES OR COMMERCIAL PRODUCTS CONSTITUTE ENDORSEMENT OR RECOMMENDATION FOR USE.

AREA MAP



LOCATION MAP

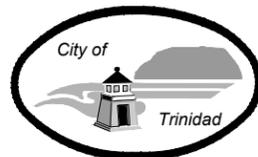


SHEET INDEX

SHEET NO.	DRAWING NO.	DESCRIPTION
1	G-001	COVER SHEET
2	G-002	GENERAL NOTES, SYMBOLS & ABBREVIATIONS
3	G-101	SITE PLAN & SURVEY CONTROL
4	CD101	OUTFALL DEMOLITION AND ABANDONMENT
5	C-101	UNDERWOOD DR - HORIZONTAL CONTROL PLAN
6	C-102	EDWARDS ST & EWING ST - HORIZONTAL CONTROL PLAN
7	C-103	VAN WYCKE ST TO PARKING LOT - HORIZONTAL CONTROL PLAN
8	C-201	UNDERWOOD DRIVE NORTH - PLAN AND PROFILE
9	C-202	UNDERWOOD DRIVE SOUTH - PLAN AND PROFILE
10	C-203	EDWARDS STREET - PLAN AND PROFILE
11	C-204	EWING STREET - PLAN AND PROFILE
12	C-205	VAN WYCKE TO PARKING LOT - PLAN AND PROFILE
13	C-206	PARKING LOT - PLAN AND PROFILE
14	C-501	DETAILS 1 OF 2
15	C-502	DETAILS 2 OF 2

50% DESIGN AUGUST 2019

50% PLANS
NOT FOR
CONSTRUCTION



Bar is one inch on original size sheet
 0 1"



GHD Inc.
 718 Third Street
 Eureka California 95501 USA
 T 1 707 443 8326 F 1 707 444 8330 W www.ghd.com

Drawn	CP	Designer	SA/CP/RM/PS
Drafting Check	SA/DS	Design Check	SA/PS
Project Manager	SA	Date	
This document shall not be used for construction unless signed and sealed for construction.		Scale	AS SHOWN

Client	CITY OF TRINIDAD		
Project	STORM WATER MANAGEMENT IMPROVEMENT PROJECT		
Title	COVER SHEET		
Project No.	11188180		
Original Size	ANSI D	Sheet No.	G-001

GENERAL NOTES	
1.	PROJECT REQUIRES A CLASS A GENERAL ENGINEERING CONTRACTOR'S LICENSE IN THE STATE OF CALIFORNIA.
2.	CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE. CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND BECOMING FAMILIAR WITH THE SITE CONDITIONS PRIOR TO BIDDING. SHOULD EXISTING CONDITIONS DIFFER FROM THOSE SHOWN OR INDICATED, OR IF IT APPEARS THAT THESE PLANS, AND SPECIFICATIONS DO NOT ADEQUATELY DETAIL THE WORK TO BE DONE, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONTINUING WITH ANY RELATED WORK. NO ALLOWANCE WILL BE MADE ON CONTRACTOR'S BEHALF FOR ANY EXTRA EXPENSE RESULTING FROM FAILURE OR NEGLIGENCE IN DETERMINING THE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALE.
3.	QUANTITIES OF ITEMS, LENGTH OF PROJECT, AND SITE CONDITIONS SHOWN IN THE PLANS ARE APPROXIMATE. ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
4.	CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE 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, GHD, AND THEIR REPRESENTATIVES HARMLESS FROM ANY AND ALL LIABILITY, REAL AND/OR ALLEGED, IN CONJUNCTION WITH THE PERFORMANCE OF THIS PROJECT.
5.	CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING STRUCTURES, ROADS, AND UTILITIES DURING CONSTRUCTION. ALL DAMAGE SHALL BE RESTORED TO EQUAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
6.	A SET OF SIGNED WORKING DRAWINGS AND A SET OF SPECIFICATIONS WILL BE KEPT AT ALL TIMES AT THE JOB SITE ON WHICH ALL CHANGES OR VARIATIONS IN THE WORK, INCLUDING ALL EXISTING UTILITIES, ARE TO BE RECORDED AND/OR CORRECTED DAILY AND SUBMITTED TO THE OWNER WHEN THE WORK TO BE DONE IS COMPLETED.
7.	CONTRACTOR SHALL PROVIDE AND MAINTAIN SUFFICIENT TEMPORARY BARRIERS TO PROVIDE FOR THE SAFETY OF THE PUBLIC.
8.	CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 72 HOURS IN ADVANCE OF COMMENCEMENT OF ANY PART OF THE WORK AND SHALL COORDINATE CONSTRUCTION SCHEDULE ACCORDINGLY.
9.	UNSUITABLE EXCAVATED MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A MANNER CONSISTENT WITH APPLICABLE REGULATIONS. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY AND EXPENSE FOR PROPER DISPOSAL OF UNSUITABLE MATERIALS TAKEN FROM SITE.
10.	THE DESIGN FEATURES INCLUDING HORIZONTAL AND VERTICAL ALIGNMENTS, TYPICAL SECTIONS, APPROACHES, AND OTHER DESIGN DETAILS SHOWN ON THESE DESIGN PLANS SHALL NOT BE ALTERED OR MODIFIED IN ANY WAY DURING CONSTRUCTION WITHOUT THE EXPRESSED, WRITTEN DIRECTION AND APPROVAL OF THE ENGINEER OR OWNER'S REPRESENTATIVE. DRAINAGE STRUCTURES SHALL BE INSTALLED AS SHOWN ON THE PLANS WITH ONLY MINOR CORRECTIONS IN LOCATION SKEW AND/OR ELEVATIONS AS NEEDED TO FIT FIELD CONDITIONS AS DETERMINED BY THE ENGINEER OR OWNER'S REPRESENTATIVE.
11.	THE CONTRACTOR SHALL READ AND MAKE CAREFUL EXAMINATION OF THE PLANS, SPECIFICATIONS, QUANTITIES AND MATERIAL ESTIMATES AND VISIT THE SITE OF THE PROPOSED CONSTRUCTION TO BECOME FAMILIAR WITH THE SITE CONDITIONS AND LIMITATIONS BEFORE MAKING A BID. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL ERRORS RESULTING FROM THE FAILURE TO MAKE SUCH AN EXAMINATION. ANY INFORMATION DERIVED FROM THE MAPS, PLANS, SPECIFICATIONS, PROFILES, DRAWINGS OR FROM THE ENGINEER WILL NOT RELIEVE THE CONTRACTOR FROM ANY RISK OR FROM FULFILLING THE TERMS OF THE CONTRACT.
12.	NO WORK SHALL BE PERFORMED OUTSIDE OF THE DESIGNATED CONSTRUCTION LIMITS WITHOUT THE APPROVAL OF THE OWNER'S REPRESENTATIVE.
13.	THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY PUBLIC STAGING AREAS WITH THE CITY.
14.	UPON COMPLETION OF THE CONSTRUCTION PROJECT, THE CONTRACTOR SHALL LEAVE THE PROJECT AREA FREE OF DEBRIS AND UNUSED MATERIAL. ALL DAMAGE CAUSED BY THE CONTRACTOR SHALL BE RESTORED TO AN "AS GOOD OR BETTER" CONDITION.
15.	THE CONTRACTOR SHALL BE REQUIRED TO SAWCUT OR GRIND THE EXISTING ASPHALT PAVEMENT WHERE OLD ASPHALT IS TO BE INTO THE NEW ASPHALT PAVEMENT. THE CONTRACTOR SHALL BE REQUIRED TO TAPER THE NEW ASPHALT CONCRETE SURFACING TO MATCH THE EXISTING PAVEMENT SECTION AT TIE-IN POINTS AND TO PROVIDE FOR A SMOOTH TRANSITION AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
16.	UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL PROTECT EXISTING SURVEY MONUMENTS WITHIN AND ADJACENT TO CONSTRUCTION LIMITS. ANY MONUMENT DAMAGED BY THE CONTRACTOR SHALL BE RESET IN ACCORDANCE WITH THE CALIFORNIA PROFESSIONAL LAND SURVEYORS ACT.

GRADING NOTES

1.	CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL CONSTRUCTION. ADEQUATE SHORING, BRACING, TIES, AND SUPPORTS SHALL BE USED TO PROVIDE PROPER TEMPORARY INTEGRITY DURING ALL PHASES OF CONSTRUCTION.
2.	ALL EXISTING LANDSCAPED AND UNPAVED AREAS WHICH ARE DISTURBED BY CONSTRUCTION OR EARTHWORK OPERATIONS SHALL BE RETURNED TO ORIGINAL EXISTING CONDITIONS.
3.	ALL DITCHES, SWALES, GUTTERS, ETC. SHOULD BE CONSIDERED ACTIVE STORM CONVEYANCES UNLESS OTHERWISE INDICATED. CONTRACTOR IS RESPONSIBLE FOR ADDRESSING STORM WATER DRAINAGE AND DEWATERING OF WORK AREAS DURING CONSTRUCTION.
4.	DURING WET WEATHER PERIODS, CONTRACTOR IS RESPONSIBLE FOR SEQUENCING CONSTRUCTION IN A MANNER TO MINIMIZE IMPACT ON OPEN EARTHWORK AND COMPACTION OPERATIONS.

UTILITY NOTES	
1.	LOCATIONS OF EXISTING UTILITIES AND STRUCTURES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION AND POTHOLE FOR EXACT LOCATION. NOTIFY THE ENGINEER IMMEDIATELY IF LOCATE INDICATES THAT EXISTING UTILITIES ARE DIFFERENT THAN SHOWN ON DRAWINGS.
2.	LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE PLOTTED FROM RECORD INTERPOLATION OF PHYSICAL EVIDENCE ON THE SITE AND ARE SUBJECT TO FIELD VERIFICATION BY THE CONTRACTOR.
3.	ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION UNDER THIS SECTION OR ANY OTHER SECTION.
4.	CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES, FEATURES, AND STRUCTURES LOCATED ON THE SITE. LOCATE, PROTECT, AND AVOID DISRUPTION OF ALL ABOVE AND BELOW GRADE UTILITIES DURING CONSTRUCTION.
5.	CONSTRUCTION ACTIVITY WILL TAKE PLACE IN THE VICINITY OF UNDERGROUND ELECTRIC TRANSMISSION LINES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE AWARE OF, AND OBSERVE, THE MINIMUM CLEARANCES FOR WORKERS AND EQUIPMENT OPERATING NEAR HIGH VOLTAGE ELECTRIC LINES AS SET OUT IN THE HIGH VOLTAGE SAFETY ORDERS OF THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AS WELL AS OTHER APPLICABLE SAFETY REGULATIONS.

TRAFFIC CONTROL	
1.	TEMPORARY LANE CLOSURE TRAFFIC CONTROL TO BE CONSISTENT W/ LANE CLOSURE FOR LOW VOLUME, TWO-LANE ROADS PER CALTRANS MANUAL OF TRAFFIC CONTROLS - CURRENT EDITION.
2.	CONTRACTOR TO COORDINATE TRAFFIC CONTROL WITH THE OWNER AND PROVIDE 48 HOURS NOTIFICATION PRIOR TO LANE CLOSURE.
3.	CONTRACTOR SHALL PROVIDE TEMPORARY PEDESTRIAN ACCESS DURING CONSTRUCTION AND SHALL COMPLY WITH SECTION 7-1.08 AND 7-1.09 OF THE CALTRANS STANDARD SPECIFICATIONS.
4.	MAINTAIN ACCESS TO ADJACENT RESIDENCES AS MUCH AS PRACTICAL.
5.	CONTRACTOR SHALL PROVIDE AND MAINTAIN SUFFICIENT TEMPORARY BARRIERS TO PROVIDE FOR THE SAFETY OF THE STAFF AND PUBLIC TO THE SATISFACTION OF THE ENGINEER.
6.	PROVIDE EMERGENCY VEHICLE INGRESS/EGRESS ACCESS AS NEEDED AT ALL TIMES.

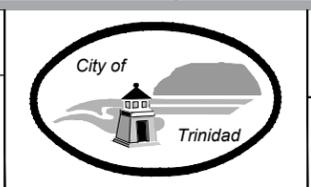
CIVIL SYMBOLS

GENERAL:	UTILITIES:	MATERIALS:
<p>DETAIL OR SECTION DESIGNATION</p> <p>SHEET WHERE DETAIL OR SECTION OCCURS</p>	<p>(E) SIGN</p> <p>(E) OVERHEAD ELECTRICAL</p> <p>(E) UNDERGROUND ELECTRICAL</p> <p>(E) UNDERGROUND TELEPHONE</p> <p>(E) UNDERGROUND TELECOM (CATV)</p> <p>(E) UNDERGROUND FIBER OPTIC</p> <p>(E) DOMESTIC WATER</p> <p>(E) STORM DRAIN / CULVERT</p> <p>(N) STORM DRAIN / CULVERT</p> <p>(N) STORM DRAIN INLET</p> <p>(N) STORM DRAIN CLEANOUT</p> <p>(N) STORM DRAIN MANHOLE</p> <p>(E) GROUNDWATER MONITORING WELL</p> <p>(E) FIRE HYDRANT</p> <p>(E) WATER VALVE</p> <p>(E) WATER METER BOX</p> <p>RELOCATED WATER METER BOX</p>	<p>CONCRETE</p> <p>(N) ASPHALT CONCRETE PAVEMENT</p> <p>AGGREGATE BASE OR DRAIN ROCK AS NOTED</p> <p>SOIL OR BACKFILL AS NOTED</p>
<p>TOPOGRAPHIC:</p> <p>TEMPORARY BENCH MARK</p> <p>FOUND MONUMENT</p> <p>MINOR CONTOUR LINE</p> <p>MAJOR CONTOUR LINE</p> <p>(E) EDGE OF PAVEMENT</p> <p>(N) EDGE OF PAVEMENT</p> <p>(E) CONC SLAB OR SIDEWALK</p> <p>(E) DRIVEWAY</p> <p>(E) FENCE</p> <p>(E) PROPERTY LINE / RIGHT OF WAY</p> <p>(E) EDGE OF GRAVEL ROAD</p> <p>APPROXIMATE LIMITS OF CONSTRUCTION</p> <p>DRAINAGE FLOW DIRECTION</p> <p>(E) TREE</p>		

NOTE: CONTACT ENGINEER FOR SYMBOLS NOT SHOWN.

50% DESIGN AUGUST 2019

**50% PLANS
NOT FOR
CONSTRUCTION**



Bar is one inch on original size sheet
0 1"

Reuse of Documents
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization.
© 2019 GHD



GHD
GHD Inc.
718 Third Street
Eureka California 95501 USA
T 1 707 443 8326 F 1 707 444 8330 W www.ghd.com

Drawn	CP	Designer	SA/CP/RM/PS
Drafting Check	SA/DS	Design Check	SA/PS
Project Manager	SA	Date	
This document shall not be used for construction unless signed and sealed for construction.		Scale	AS SHOWN

Client	CITY OF TRINIDAD		
Project	STORM WATER MANAGEMENT IMPROVEMENT PROJECT		
Title	GENERAL NOTES, SYMBOLS & ABBREVIATIONS		
Project No.	11188180		
Original Size	ANSI D	Sheet No.	G-002
			Sheet 2 of 15

SHEET GENERAL NOTES

1. LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR TO POTHOLE FOR EXACT LOCATION. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.



50% DESIGN AUGUST 2019

**50% PLANS
NOT FOR
CONSTRUCTION**



Bar is one inch on original size sheet
0 1"

Reuse of Documents
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization.
© 2019 GHD



GHD
GHD Inc.
718 Third Street
Eureka California 95501 USA
T 1 707 443 8326 F 1 707 444 8330 W www.ghd.com

Drawn	CP	Designer	SA/CP/RM/PS
Drafting Check	SA/DS	Design Check	SA/PS
Project Manager	SA	Date	
This document shall not be used for construction unless signed and sealed for construction.		Scale	AS SHOWN

Client	CITY OF TRINIDAD		
Project	STORM WATER MANAGEMENT IMPROVEMENT PROJECT		
Title	SITE PLAN & SURVEY CONTROL		
Project No.	11188180		
Original Size	ANSI D		
Sheet No.	G-101		

SHEET GENERAL NOTES

1. LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR TO POTHOLE FOR EXACT LOCATION. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.



ASBS OUTFALL DEMO PLAN



EXISTING HSU SEAWATER OUTFALL TO REMAIN AND BE PROTECTED

DEMOLISH EXISTING CITY OUTFALL STORM DRAIN PIPE AND CONCRETE OUTLET BOX. REPLACE EXISTING SAND, RIPRAP, AND OTHER MATERIALS ONCE PIPE IS REMOVED TO MATCH EXISTING GRADES AS PRACTICAL.

50% DESIGN AUGUST 2019

**50% PLANS
NOT FOR
CONSTRUCTION**



Bar is one inch on original size sheet
0 1"



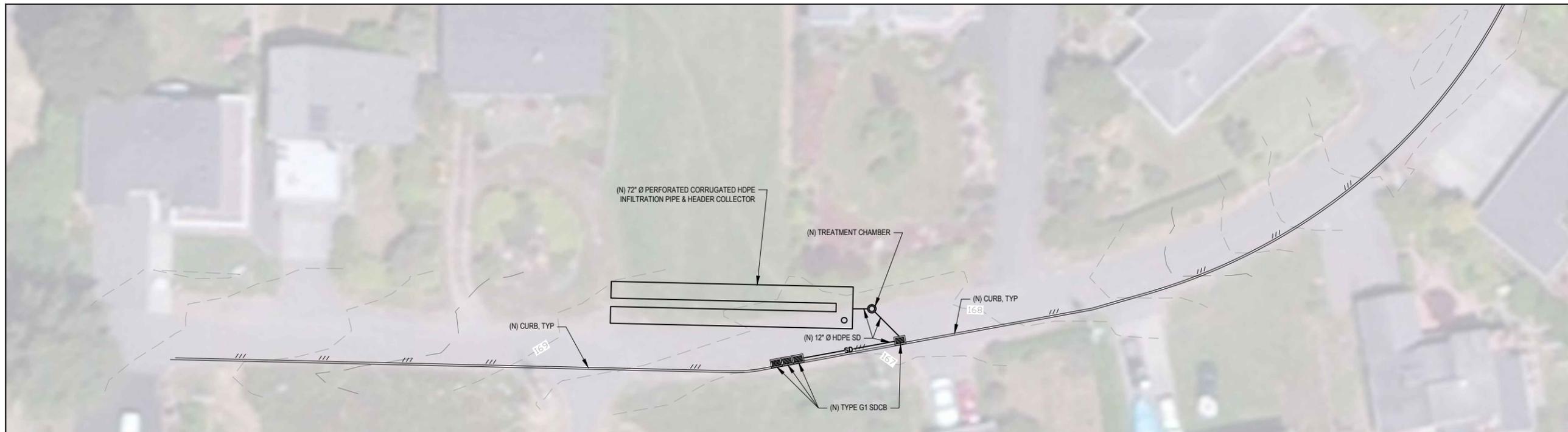
GHD Inc.
718 Third Street
Eureka California 95501 USA
T 1 707 443 8326 F 1 707 444 8330 W www.ghd.com

Drawn	CP	Designer	SA/CP/RM/PS
Drafting Check	SA/DS	Design Check	SA/PS
Project Manager	SA	Date	
This document shall not be used for construction unless signed and sealed for construction.		Scale	AS SHOWN

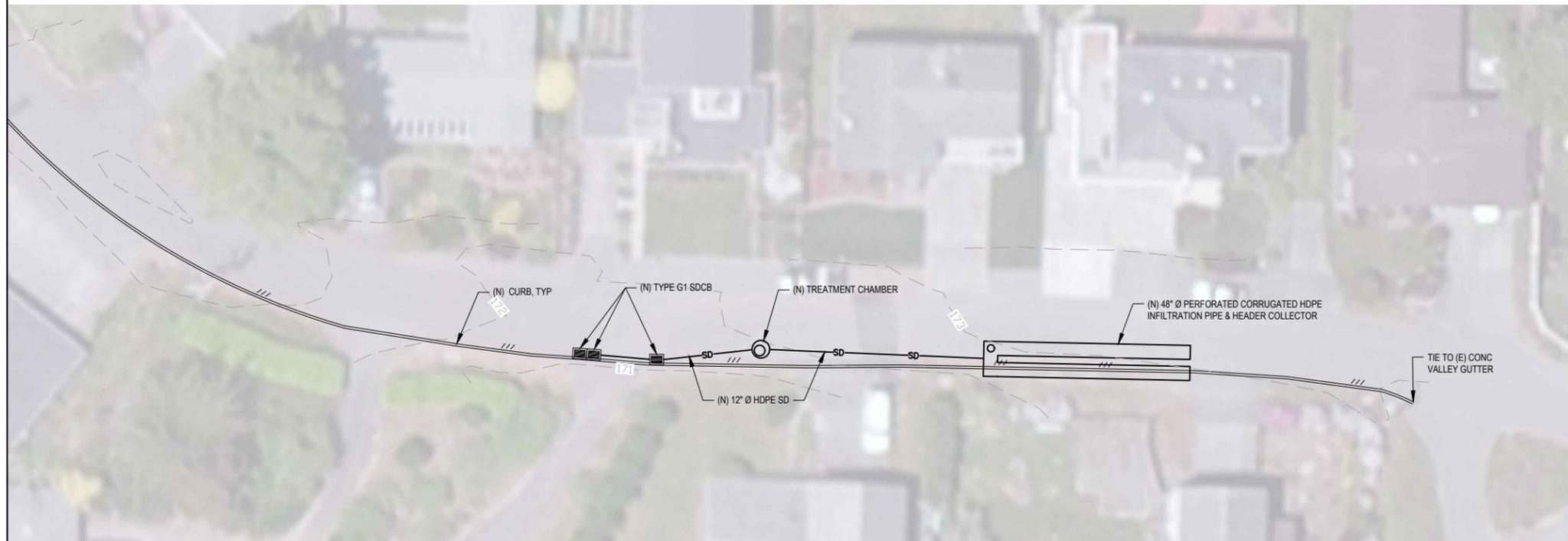
Client	CITY OF TRINIDAD		
Project	STORM WATER MANAGEMENT IMPROVEMENT PROJECT		
Title	OUTFALL DEMOLITION AND ABANDONMENT		
Project No.	11188180		
Original Size	ANSI D	Sheet No.	CD101

SHEET GENERAL NOTES

1. LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR TO POTHOLE FOR EXACT LOCATION. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.



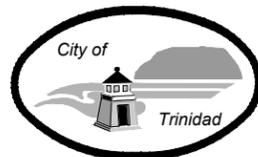
NORTH UNDERWOOD DRIVE HORIZONTAL CONTROL PLAN 0 10' 20' 40' N



SOUTH UNDERWOOD DRIVE HORIZONTAL CONTROL PLAN 0 10' 20' 40' N

50% DESIGN AUGUST 2019

**50% PLANS
NOT FOR
CONSTRUCTION**



Bar is one inch on original size sheet
0 1"



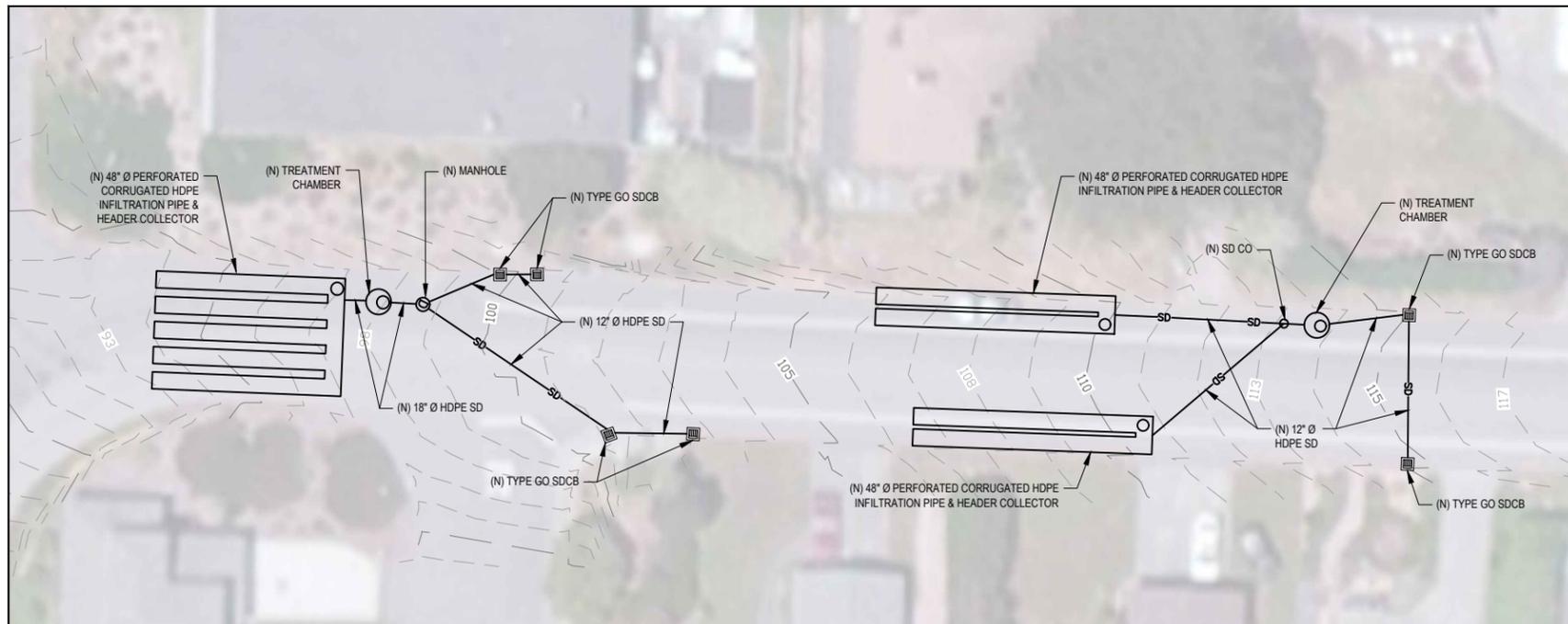
GHD Inc.
718 Third Street
Eureka California 95501 USA
T 1 707 443 8326 F 1 707 444 8330 W www.ghd.com

Drawn	CP	Designer	SA/CP/RM/PS
Drafting Check	SA/DS	Design Check	SA/PS
Project Manager	SA	Date	
This document shall not be used for construction unless signed and sealed for construction.		Scale	AS SHOWN

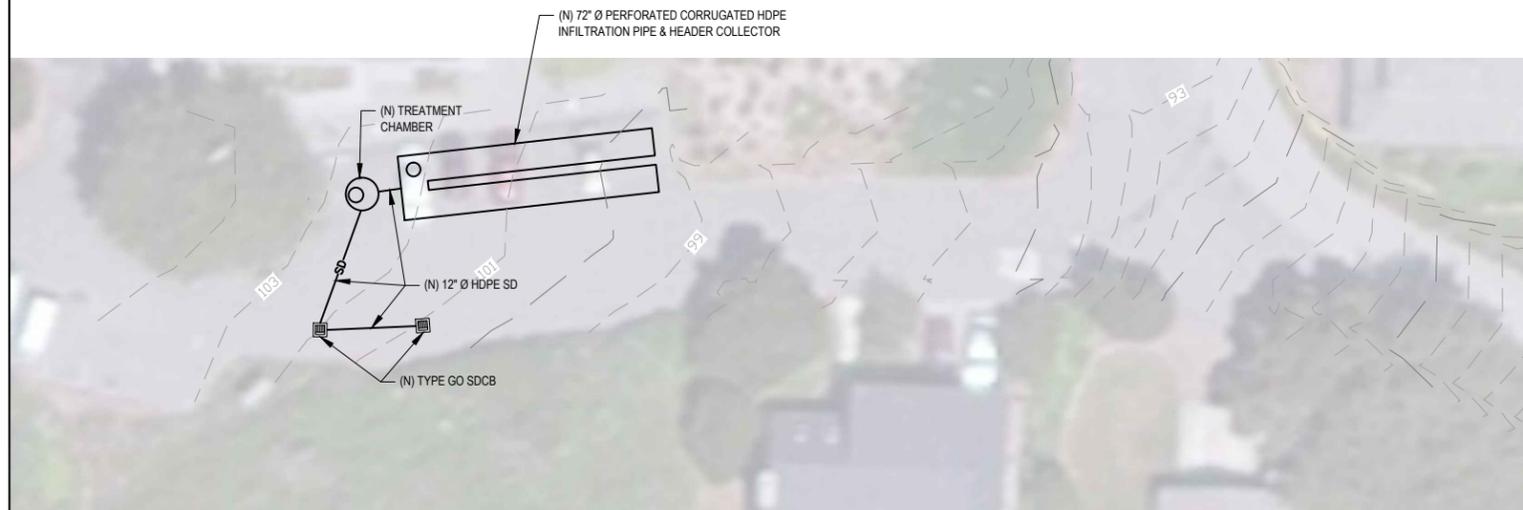
Client	CITY OF TRINIDAD		
Project	STORM WATER MANAGEMENT IMPROVEMENT PROJECT		
Title	UNDERWOOD DR - HORIZONTAL CONTROL PLAN		
Project No.	11188180		
Original Size	ANSI D	Sheet No.	C-101
		Sheet	5 of 15

SHEET GENERAL NOTES

1. LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR TO POTHOLE FOR EXACT LOCATION. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.



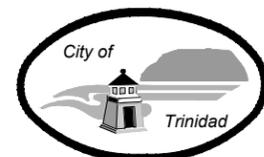
EDWARDS STREET HORIZONTAL CONTROL PLAN



EWING STREET HORIZONTAL CONTROL PLAN

50% DESIGN AUGUST 2019

**50% PLANS
NOT FOR
CONSTRUCTION**



Bar is one inch on original size sheet
0 1" 1"

Reuse of Documents
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization.
© 2019 GHD



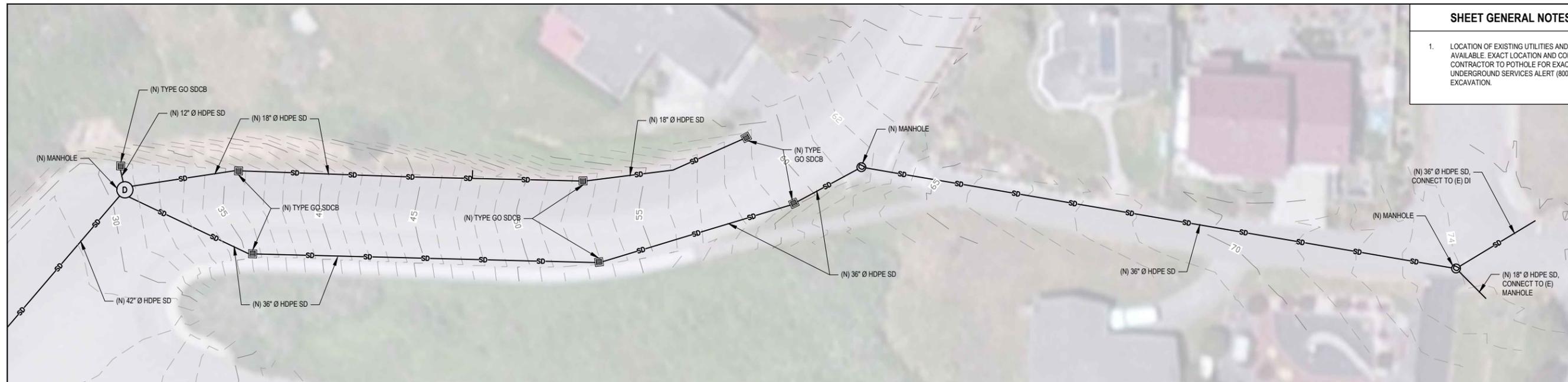
GHD Inc.
718 Third Street
Eureka California 95501 USA
T 1 707 443 8326 F 1 707 444 8330 W www.ghd.com

Drawn	CP	Designer	SA/CP/RM/PS
Drafting Check	SA/DS	Design Check	SA/PS
Project Manager	SA	Date	
This document shall not be used for construction unless signed and sealed for construction.		Scale	AS SHOWN

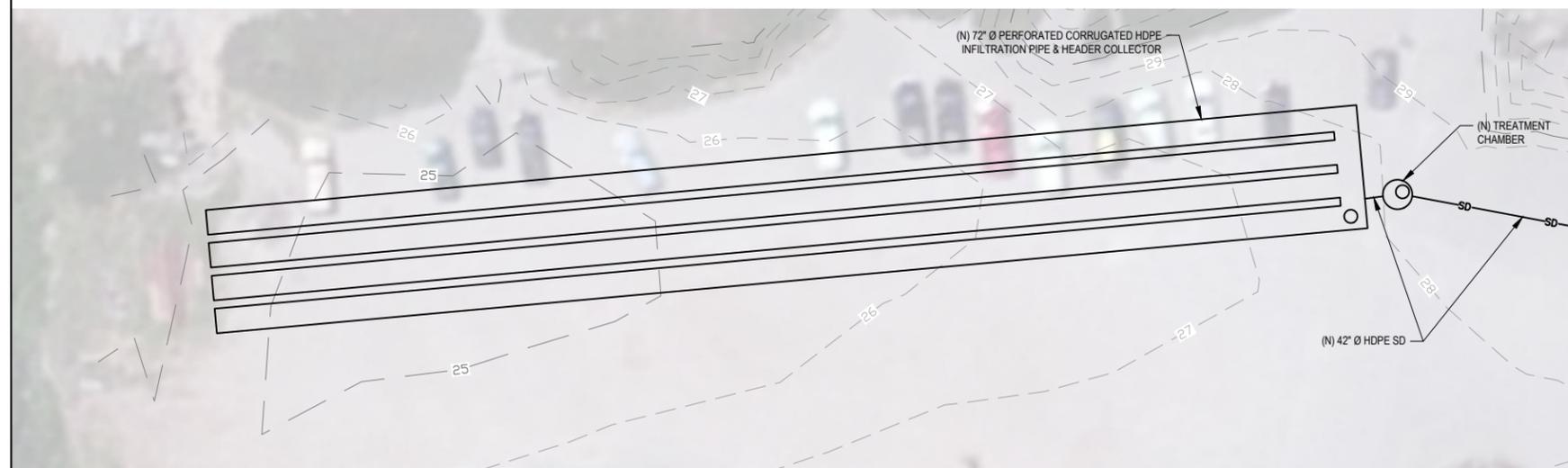
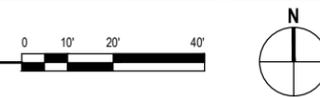
Client	CITY OF TRINIDAD		
Project	STORM WATER MANAGEMENT IMPROVEMENT PROJECT		
Title	EDWARDS ST & EWING ST - HORIZONTAL CONTROL PLAN		
Project No.	11188180		
Original Size	ANSI D	Sheet No.	C-102

SHEET GENERAL NOTES

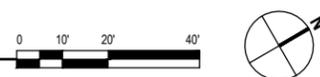
1. LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR TO POTHOLE FOR EXACT LOCATION. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.



VAN WYCKE ST & LIGHTHOUSE DR HORIZONTAL CONTROL PLAN

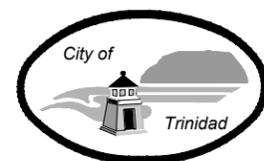


PARKING LOT HORIZONTAL CONTROL PLAN



50% DESIGN AUGUST 2019

**50% PLANS
NOT FOR
CONSTRUCTION**



Bar is one inch on original size sheet
0 1"

Reuse of Documents
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization.
© 2019 GHD



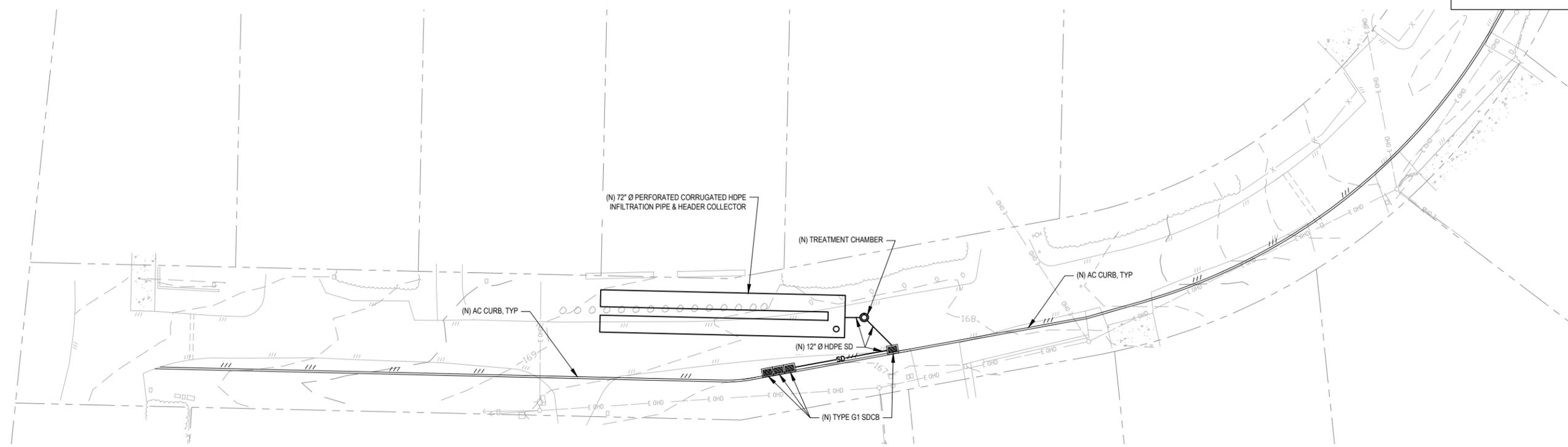
GHD
GHD Inc.
718 Third Street
Eureka California 95501 USA
T 1 707 443 8326 F 1 707 444 8330 W www.ghd.com

Drawn	CP	Designer	SA/CP/RM/PS
Drafting Check	SA/DS	Design Check	SA/PS
Project Manager	SA	Date	
This document shall not be used for construction unless signed and sealed for construction.		Scale	AS SHOWN

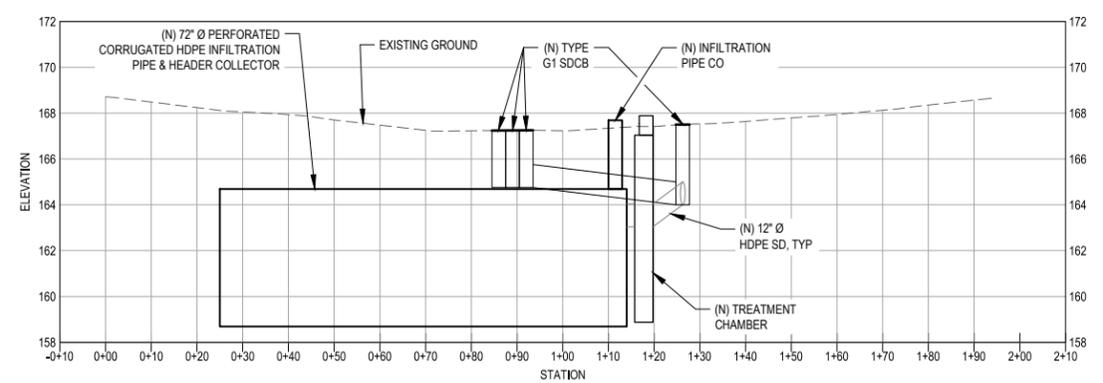
Client	CITY OF TRINIDAD		
Project	STORM WATER MANAGEMENT IMPROVEMENT PROJECT		
Title	VAN WYCKE ST TO PARKING LOT - HORIZONTAL CONTROL PLAN		
Project No.	11188180		
Original Size	ANSI D	Sheet No.	C-103

SHEET GENERAL NOTES

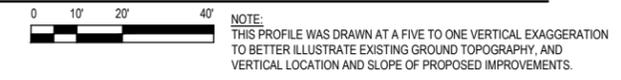
1. LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR TO POTHOLE FOR EXACT LOCATION. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.



NORTH UNDERWOOD DRIVE IMPROVEMENTS - PLAN VIEW



NORTH UNDERWOOD DRIVE IMPROVEMENTS - PROFILE VIEW



50% DESIGN AUGUST 2019

**50% PLANS
NOT FOR
CONSTRUCTION**



Bar is one inch on original size sheet
0 1"

Reuse of Documents
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization.
© 2019 GHD



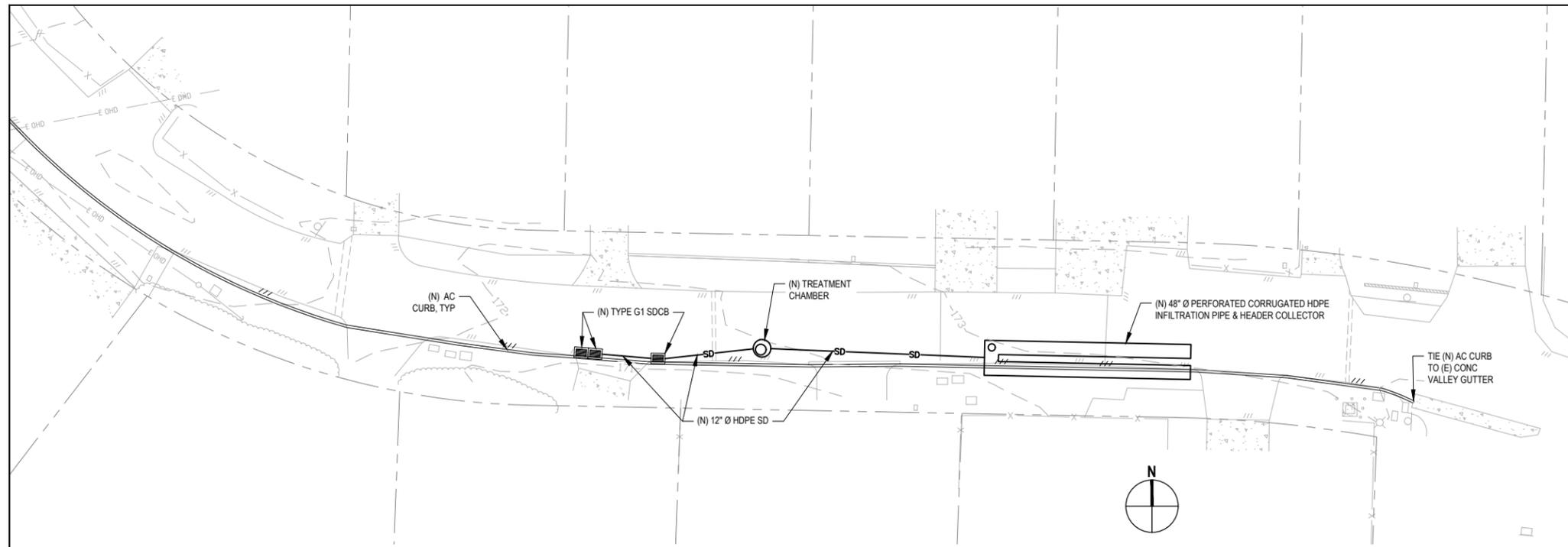
GHD
GHD Inc.
718 Third Street
Eureka California 95501 USA
T 1 707 443 8326 F 1 707 444 8330 W www.ghd.com

Drawn	CP	Designer	SA/CP/RM/PS
Drafting Check	SA/DS	Design Check	SA/PS
Project Manager	SA	Date	
This document shall not be used for construction unless signed and sealed for construction.		Scale	AS SHOWN

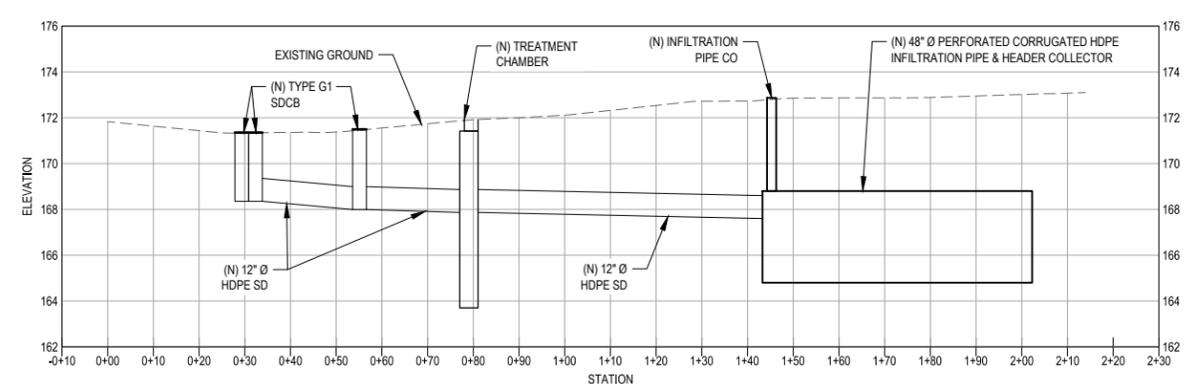
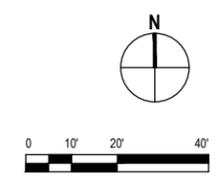
Client	CITY OF TRINIDAD		
Project	STORM WATER MANAGEMENT IMPROVEMENT PROJECT		
Title	NORTH UNDERWOOD DRIVE - PLAN AND PROFILE		
Project No.	11188180		
Original Size	ANSI D	Sheet No.	C-201
Sheet	8	of	15

SHEET GENERAL NOTES

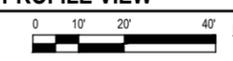
1. LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR TO POTHOLE FOR EXACT LOCATION. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.



SOUTH UNDERWOOD DRIVE IMPROVEMENTS - PLAN VIEW



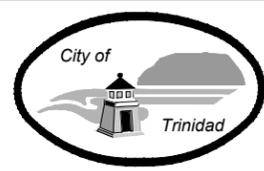
SOUTH UNDERWOOD DRIVE IMPROVEMENTS - PROFILE VIEW



NOTE:
THIS PROFILE WAS DRAWN AT A FIVE TO ONE VERTICAL EXAGGERATION TO BETTER ILLUSTRATE EXISTING GROUND TOPOGRAPHY, AND VERTICAL LOCATION AND SLOPE OF PROPOSED IMPROVEMENTS.

50% DESIGN AUGUST 2019

**50% PLANS
NOT FOR
CONSTRUCTION**



Bar is one inch on original size sheet
0 1"

Reuse of Documents
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization.
© 2019 GHD



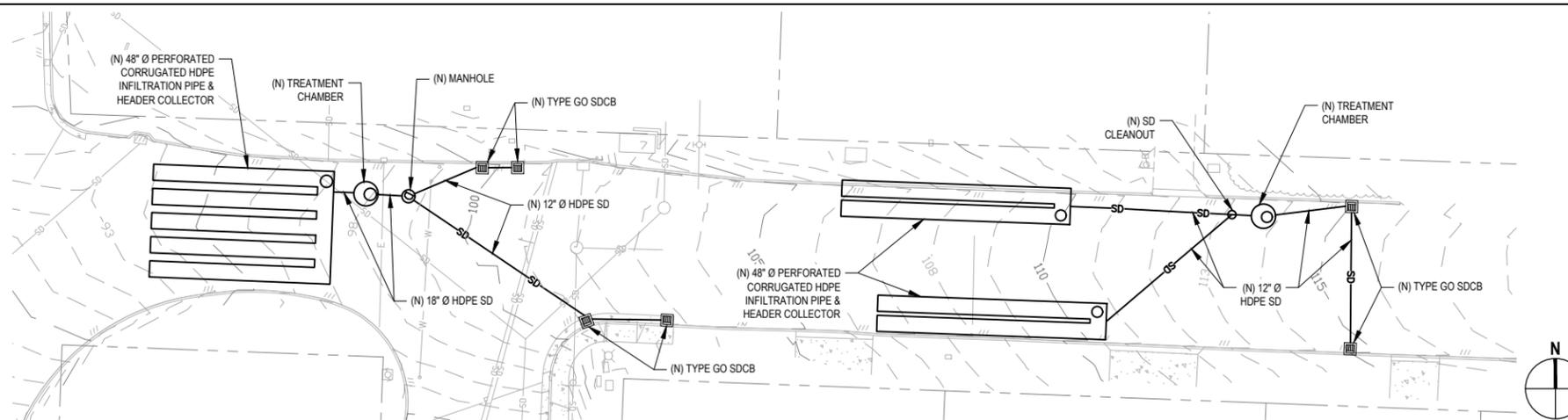
GHD
GHD Inc.
718 Third Street
Eureka California 95501 USA
T 1 707 443 8326 F 1 707 444 8330 W www.ghd.com

Drawn	CP	Designer	SA/CP/RM/PS
Drafting Check	SA/DS	Design Check	SA/PS
Project Manager	SA	Date	
This document shall not be used for construction unless signed and sealed for construction.		Scale	AS SHOWN

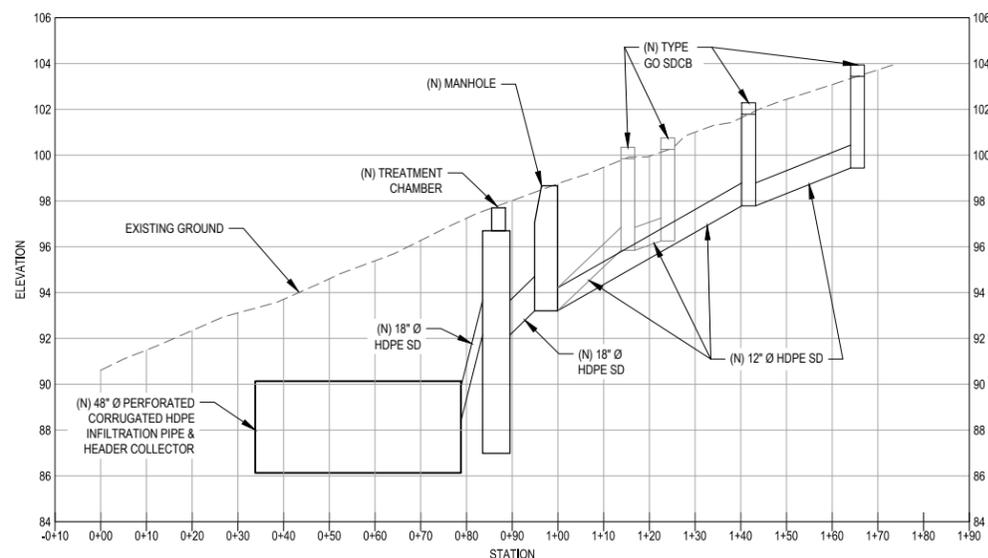
Client	CITY OF TRINIDAD		
Project	STORM WATER MANAGEMENT IMPROVEMENT PROJECT		
Title	SOUTH UNDERWOOD DRIVE - PLAN AND PROFILE		
Project No.	11188180		
Original Size	ANSI D	Sheet No.	C-202
Sheet	9	of	15

SHEET GENERAL NOTES

1. LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR TO POTHOLE FOR EXACT LOCATION. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.



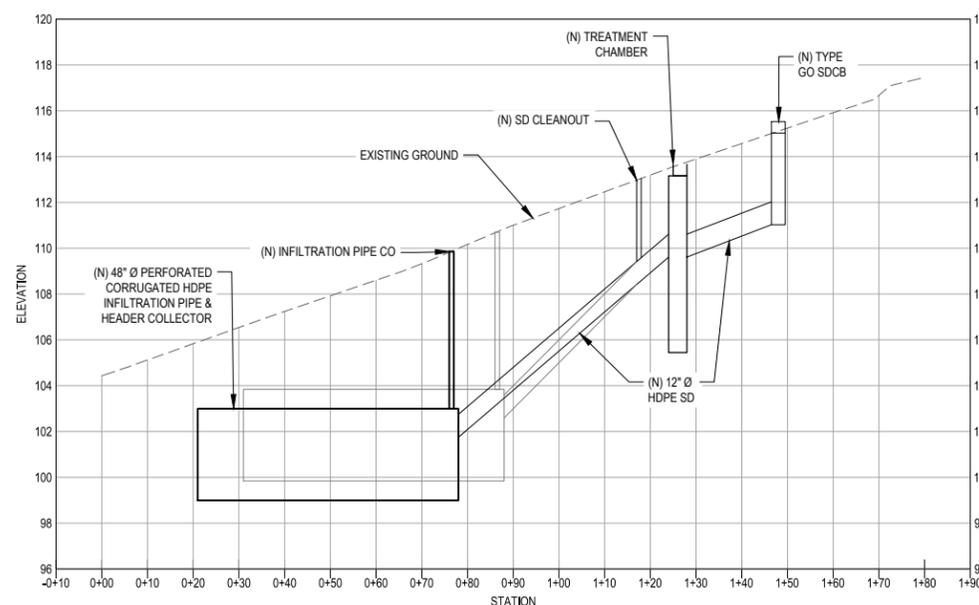
EDWARDS STREET IMPROVEMENTS - PLAN VIEW



WEST EDWARDS STREET IMPROVEMENTS - PROFILE VIEW



NOTE: THIS PROFILE WAS DRAWN AT A FIVE TO ONE VERTICAL EXAGGERATION TO BETTER ILLUSTRATE EXISTING GROUND TOPOGRAPHY, AND VERTICAL LOCATION AND SLOPE OF PROPOSED IMPROVEMENTS.



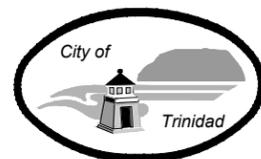
EAST EDWARDS STREET IMPROVEMENTS - PROFILE VIEW



NOTE: THIS PROFILE WAS DRAWN AT A FIVE TO ONE VERTICAL EXAGGERATION TO BETTER ILLUSTRATE EXISTING GROUND TOPOGRAPHY, AND VERTICAL LOCATION AND SLOPE OF PROPOSED IMPROVEMENTS.

50% DESIGN AUGUST 2019

**50% PLANS
NOT FOR
CONSTRUCTION**



Bar is one inch on original size sheet



Reuse of Documents
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization.
© 2019 GHD



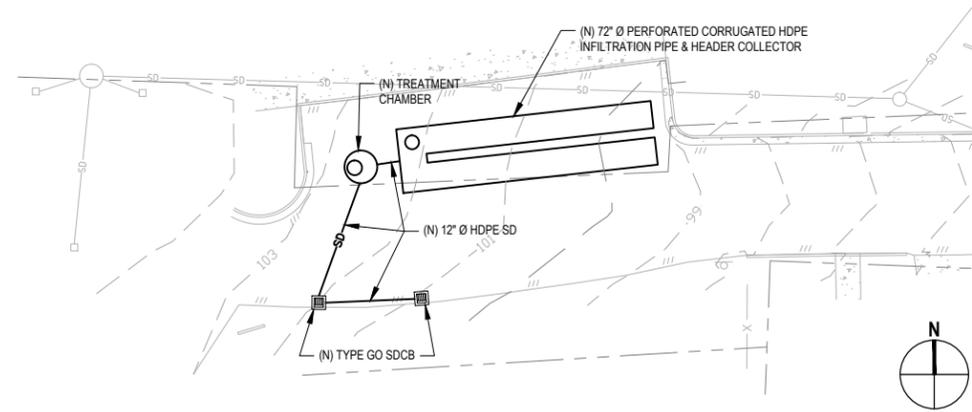
GHD Inc.
718 Third Street
Eureka California 95501 USA
T 1 707 443 8326 F 1 707 444 8330 W www.ghd.com

Drawn	CP	Designer	SA/CP/RM/IPS
Drafting Check	SA/DS	Design Check	SA/PS
Project Manager	SA	Date	
This document shall not be used for construction unless signed and sealed for construction.		Scale	AS SHOWN

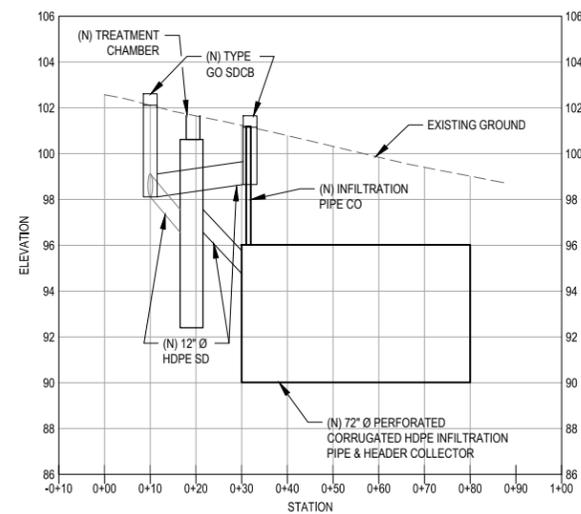
Client	CITY OF TRINIDAD		
Project	STORM WATER MANAGEMENT IMPROVEMENT PROJECT		
Title	EDWARDS STREET - PLAN AND PROFILE		
Project No.	11188180		
Original Size	ANSI D		
Sheet No.	C-203		

SHEET GENERAL NOTES

1. LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR TO POTHOLE FOR EXACT LOCATION. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.



EWING STREET IMPROVEMENTS - PLAN VIEW



EWING STREET IMPROVEMENTS - PROFILE VIEW

NOTE:
 THIS PROFILE WAS DRAWN AT A FIVE TO ONE VERTICAL EXAGGERATION TO BETTER ILLUSTRATE EXISTING GROUND TOPOGRAPHY, AND VERTICAL LOCATION AND SLOPE OF PROPOSED IMPROVEMENTS.

50% DESIGN AUGUST 2019

**50% PLANS
 NOT FOR
 CONSTRUCTION**



Bar is one inch on original size sheet



Reuse of Documents
 This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization.
 © 2019 GHD



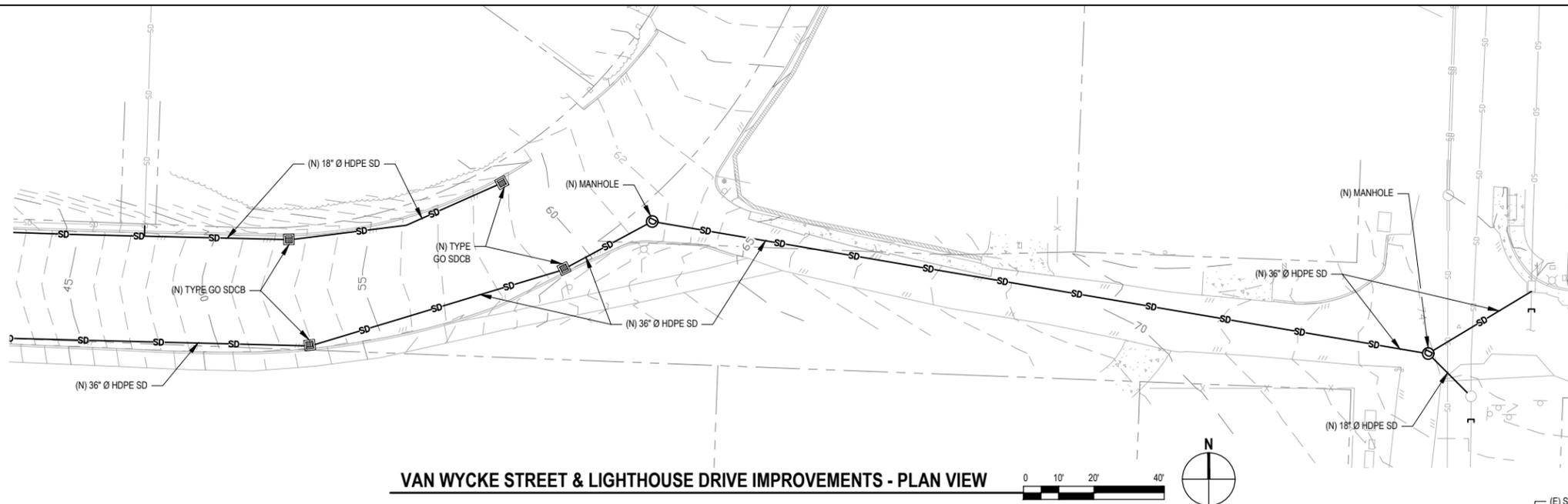
GHD Inc.
 718 Third Street
 Eureka California 95501 USA
 T 1 707 443 8326 F 1 707 444 8330 W www.ghd.com

Drawn	CP	Designer	SA/CP/RM/PS
Drafting Check	SA/DS	Design Check	SA/PS
Project Manager	SA	Date	
This document shall not be used for construction unless signed and sealed for construction.		Scale	AS SHOWN

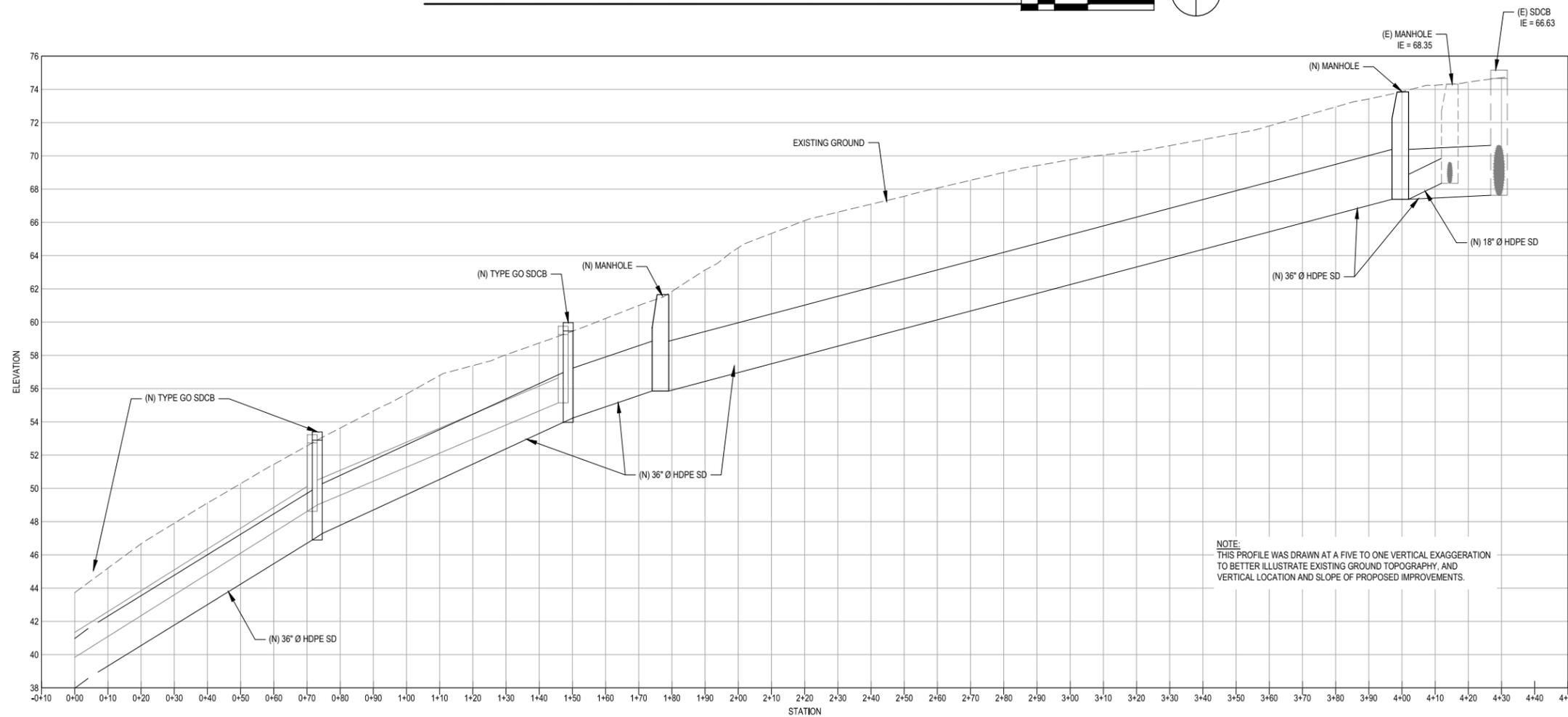
Client	CITY OF TRINIDAD		
Project	STORM WATER MANAGEMENT IMPROVEMENT PROJECT		
Title	EWING STREET - PLAN AND PROFILE		
Project No.	11188180		
Original Size	ANSI D	Sheet No.	C-204

SHEET GENERAL NOTES

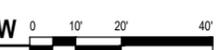
1. LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR TO POTHOLE FOR EXACT LOCATION. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.



VAN WYCKE STREET & LIGHTHOUSE DRIVE IMPROVEMENTS - PLAN VIEW



VAN WYCKE STREET & LIGHTHOUSE DRIVE IMPROVEMENTS - PROFILE VIEW



NOTE:
THIS PROFILE WAS DRAWN AT A FIVE TO ONE VERTICAL EXAGGERATION TO BETTER ILLUSTRATE EXISTING GROUND TOPOGRAPHY, AND VERTICAL LOCATION AND SLOPE OF PROPOSED IMPROVEMENTS.

50% DESIGN AUGUST 2019

**50% PLANS
NOT FOR
CONSTRUCTION**



Bar is one inch on original size sheet
0 1"

Reuse of Documents
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization.
© 2019 GHD



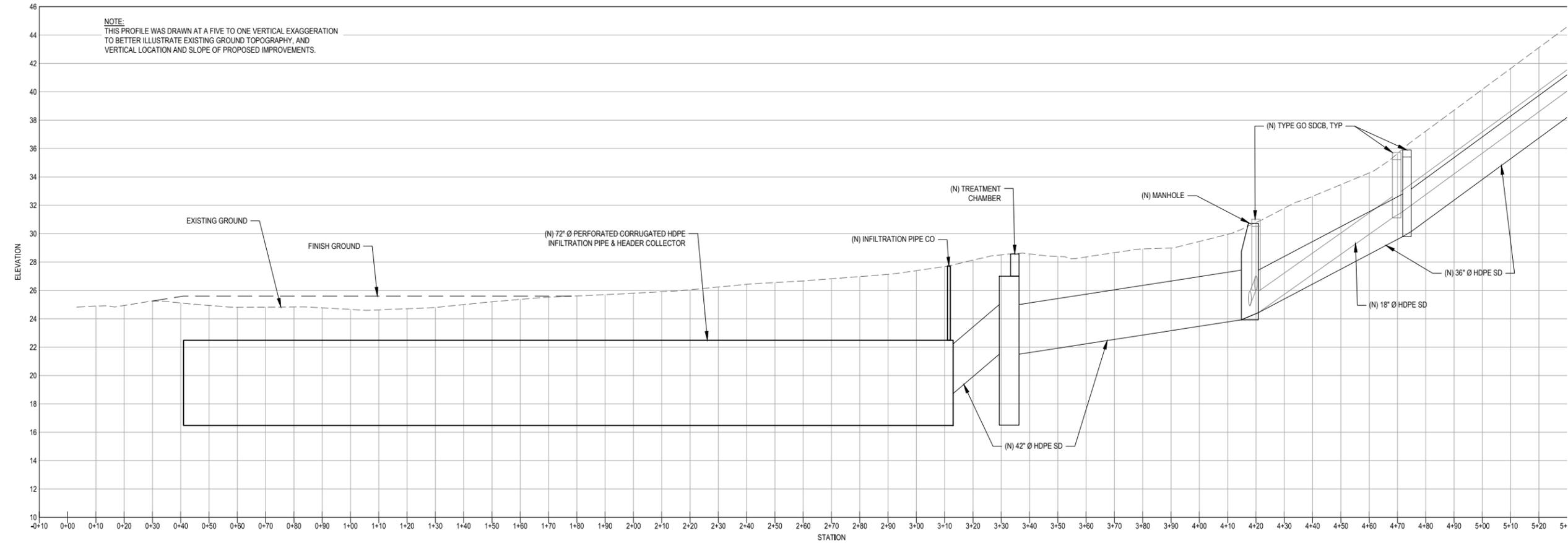
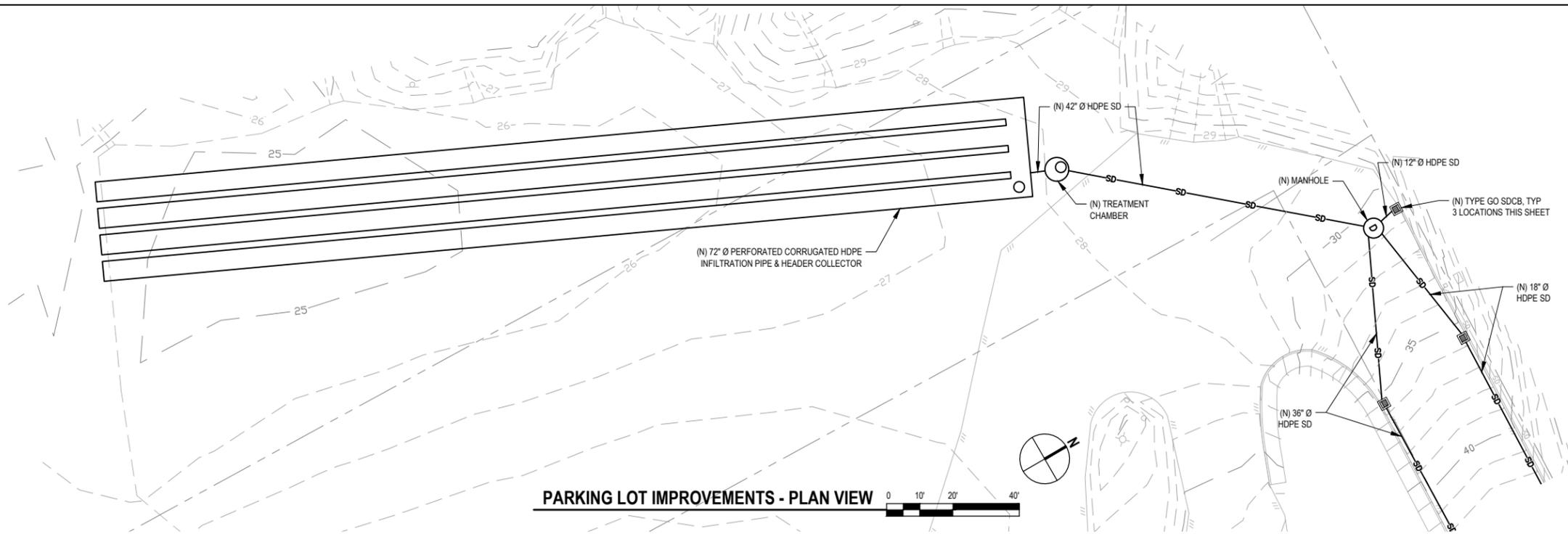
GHD
GHD Inc.
718 Third Street
Eureka California 95501 USA
T 1 707 443 8326 F 1 707 444 8330 W www.ghd.com

Drawn	CP	Designer	SA/CP/RM/PS
Drafting Check	SA/DS	Design Check	SA/PS
Project Manager	SA	Date	
This document shall not be used for construction unless signed and sealed for construction.		Scale	AS SHOWN

Client	CITY OF TRINIDAD		
Project	STORM WATER MANAGEMENT IMPROVEMENT PROJECT		
Title	VAN WYCKE TO PARKING LOT - PLAN AND PROFILE		
Project No.	11188180		
Original Size	ANSI D		
Sheet No.	C-205		

SHEET GENERAL NOTES

1. LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR TO POTHOLE FOR EXACT LOCATION. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.



50% DESIGN AUGUST 2019

**50% PLANS
NOT FOR
CONSTRUCTION**



Bar is one inch on original size sheet
0 1"

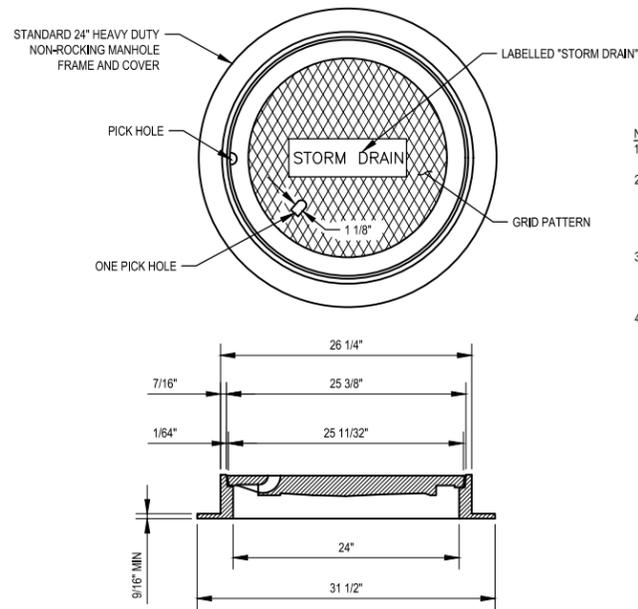
Reuse of Documents
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization.
© 2019 GHD



GHD
GHD Inc.
718 Third Street
Eureka California 95501 USA
T 1 707 443 8326 F 1 707 444 8330 W www.ghd.com

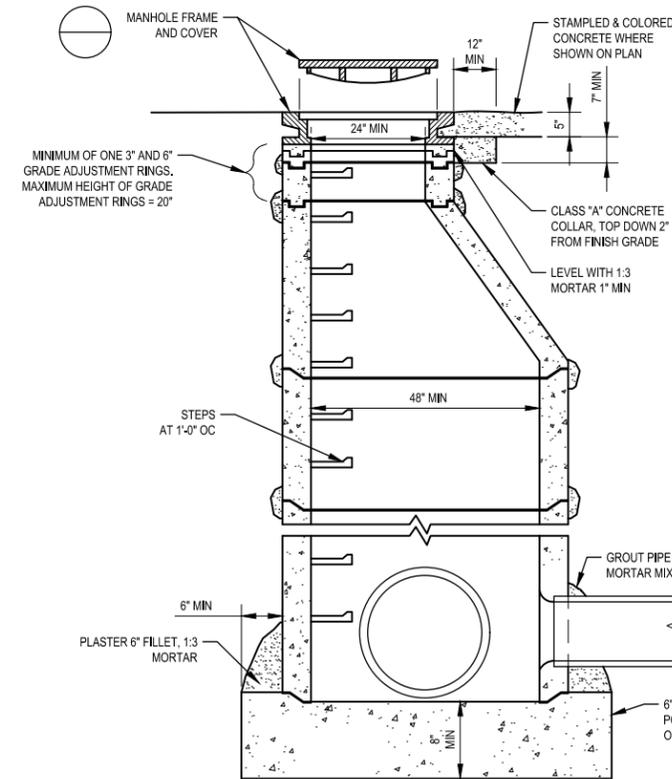
Drawn	CP	Designer	SA/CP/RM/PS
Drafting Check	SA/DS	Design Check	SA/PS
Project Manager	SA	Date	
This document shall not be used for construction unless signed and sealed for construction.		Scale	AS SHOWN

Client	CITY OF TRINIDAD		
Project	STORM WATER MANAGEMENT IMPROVEMENT PROJECT		
Title	PARKING LOT - PLAN AND PROFILE		
Project No.	11188180		
Original Size	ANSI D		
Sheet No.	C-206		



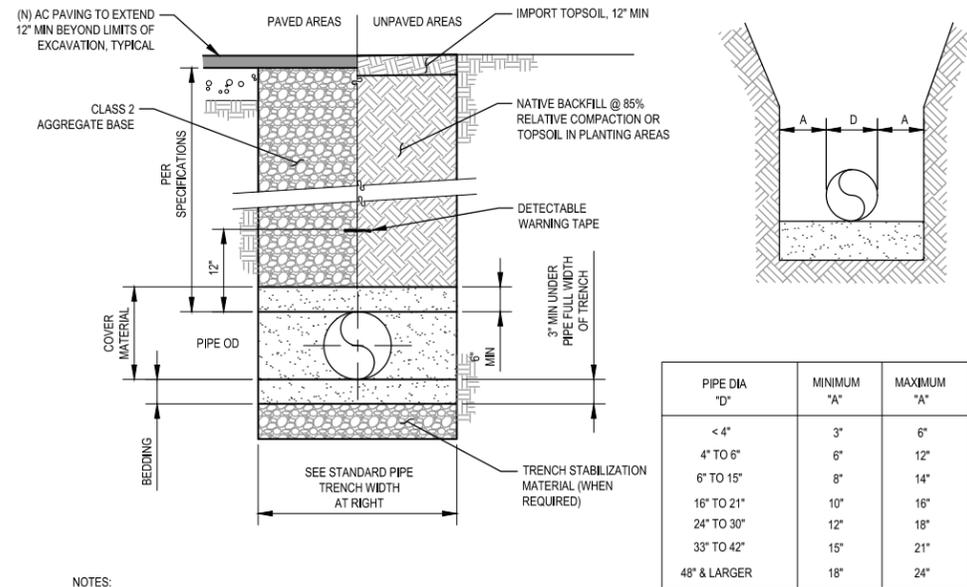
- NOTES:
1. ALL CASTINGS SHALL BE DIPPED IN ASPHALT PAINT.
 2. ALL MATERIAL USED IN MANUFACTURING SHALL CONFORM TO ASTM DESIGNATION A-159-G3000, OR OF UNITED STATES GOVERNMENT SPECIFICATIONS QQ1-652B.
 3. MINIMUM WEIGHT COMPONENTS:
COVER - 130 POUNDS
FRAME - 135 POUNDS
 4. MANHOLE FRAME AND COVER SHALL BE ADA COMPLIANT.

TYPICAL MANHOLE FRAME & COVER DETAIL
SCALE: NTS



- NOTES:
1. RAM-NEK OR APPROVED EQUAL SHALL BE USED IN JOINTS, PLASTERING OF JOINTS REQUIRED IF HIGH WATER CONDITIONS EXIST.
 2. CONE SECTION MAY BE EITHER CONCENTRIC OR ECCENTRIC UNLESS OTHERWISE SPECIFIED BY THE CITY.
 3. SET ALL RINGS IN A 1:3 MORTAR BED, WET BOTH TONGUE AND GROOVE BEFORE APPLYING MORTAR AND SETTING RING, WIPE INSIDE OF JOINTS SMOOTH AND PLASTER OUTSIDE OF JOINTS WITH 1/2" LAYER OF MORTAR.
 4. ALL SECTIONS OF MANHOLE MUST BE OF IDENTICAL MAKE AND MANUFACTURER.

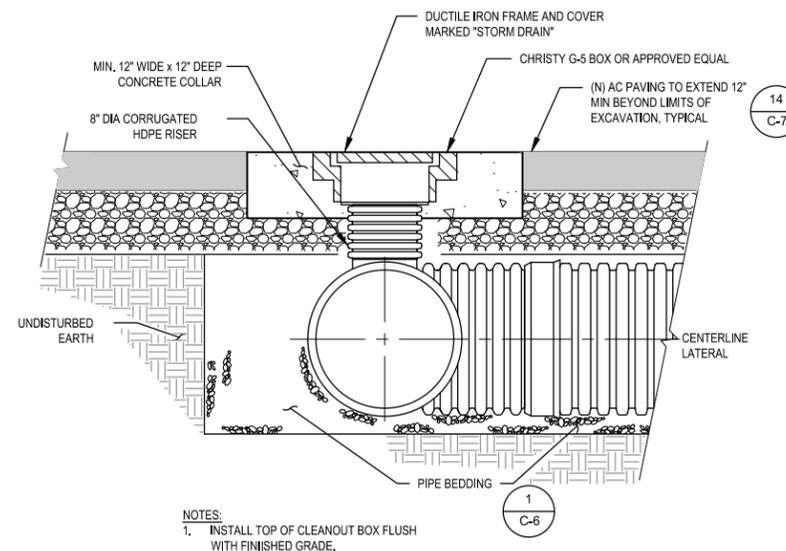
TYPE I STORM DRAIN MANHOLE DETAIL
SCALE: NTS



PIPE DIA "D"	MINIMUM "A"	MAXIMUM "A"
< 4"	3"	6"
4" TO 6"	6"	12"
6" TO 15"	8"	14"
16" TO 21"	10"	16"
24" TO 30"	12"	18"
33" TO 42"	15"	21"
48" & LARGER	18"	24"

- NOTES:
1. WIDER TRENCHES MAY REQUIRE HIGHER STRENGTH PIPE AND/OR SPECIAL BEDDING.
 2. DIFFERING TRENCH WIDTHS REQUIRE PRIOR APPROVAL OF ENGINEER.
 3. IN MAKING EXCAVATIONS FOR THIS PROJECT, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PROVIDING & INSTALLING ADEQUATE SHEETING, SHORING & BRACING AS MAY BE NECESSARY AS A PRECAUTION AGAINST SLIDES OR CAVE-INS, AND TO PROTECT ALL (E) IMPROVEMENTS OF ANY KIND, EITHER ON PUBLIC OR PRIVATE PROPERTY, FULLY FROM DAMAGE.
 4. SATISFACTORY NATIVE BACKFILL MATERIAL USED AS UTILITY TRENCH BACKFILL BELOW UNPAVED AREAS SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE.
 5. 2-SACK SLURRY BACKFILL MAY BE USED IN TRENCH WHEN MINIMUM PIPE COVER NOT POSSIBLE, WHEN APPROVED BY OWNER'S REPRESENTATIVE.
 6. DETECTABLE WARNING TAPE SHALL BE BRIGHT COLORED, CONTINUOUSLY PRINTED, MINIMUM 6" WIDE BY 4 MIL. THICK, MANUFACTURED FOR DIRECT BURIAL.
 7. DETECTABLE WARNING TAPE NOT REQUIRED FOR IRRIGATION LINES.

TYPICAL TRENCH DETAIL
SCALE: NTS

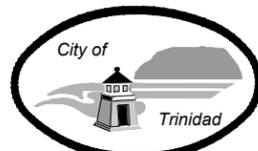


- NOTES:
1. INSTALL TOP OF CLEANOUT BOX FLUSH WITH FINISHED GRADE.

TYPICAL STORM DRAIN CLEANOUT DETAIL
SCALE: NTS

50% DESIGN AUGUST 2019

50% PLANS
NOT FOR
CONSTRUCTION



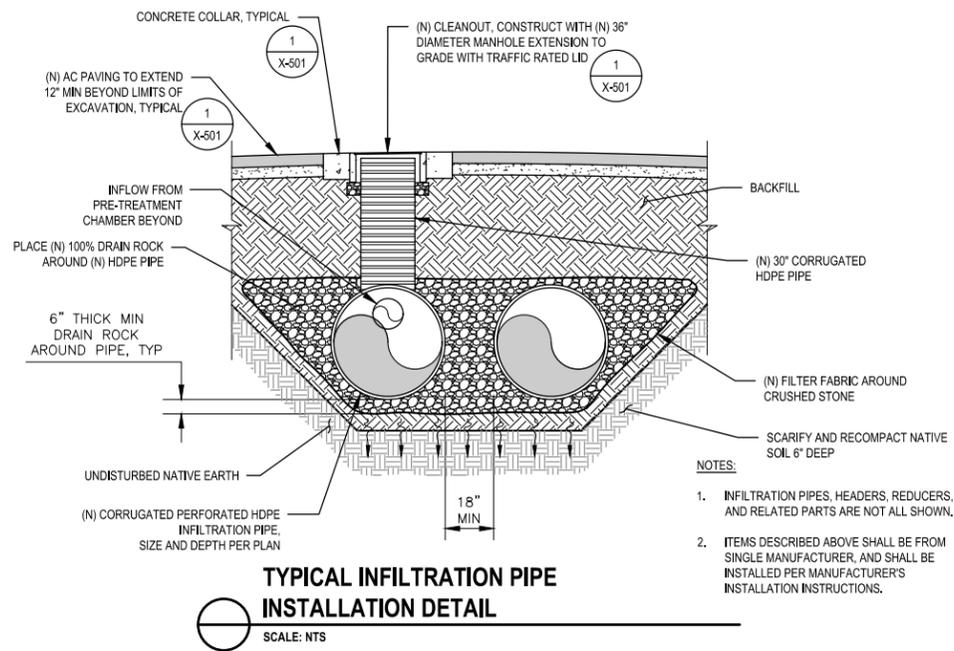
Bar is one inch on original size sheet
0 1"



GHD Inc.
718 Third Street
Eureka California 95501 USA
T 1 707 443 8326 F 1 707 444 8330 W www.ghd.com

Drawn	CP	Designer	SA/CP/RM/PS
Drafting Check	SA/DS	Design Check	SA/PS
Project Manager	SA	Date	
This document shall not be used for construction unless signed and sealed for construction.		Scale	AS SHOWN

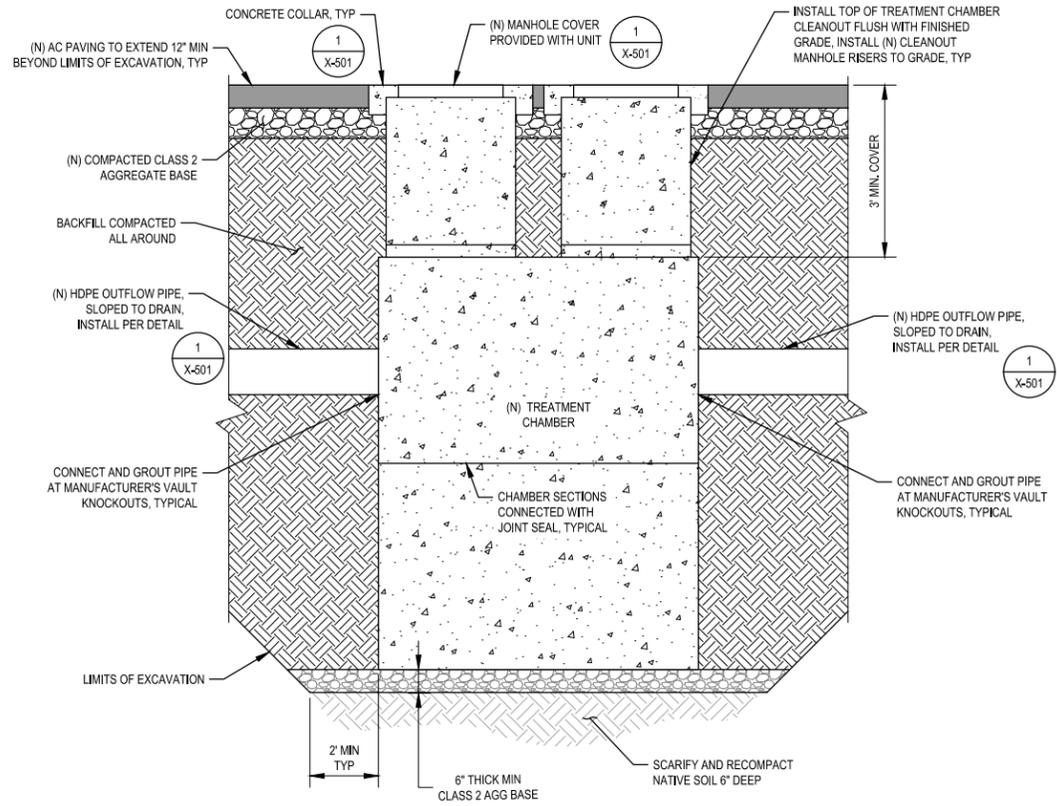
Client	CITY OF TRINIDAD		
Project	STORM WATER MANAGEMENT IMPROVEMENT PROJECT		
Title	DETAILS 1 OF 2		
Project No.	11188180		
Original Size	ANSI D	Sheet No.	C-501



TYPICAL INFILTRATION PIPE INSTALLATION DETAIL

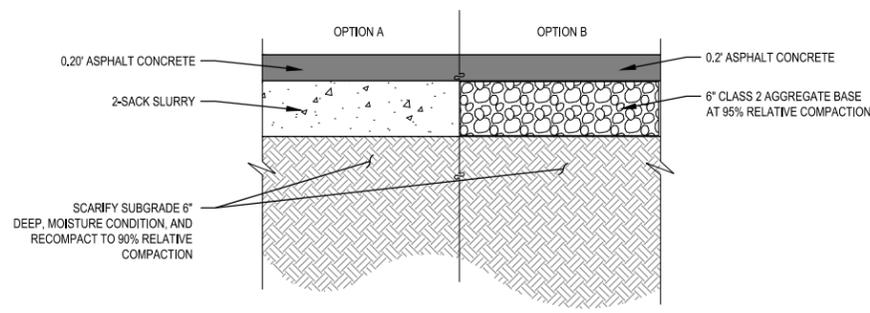
SCALE: NTS

- NOTES:**
- INFILTRATION PIPES, HEADERS, REDUCERS, AND RELATED PARTS ARE NOT ALL SHOWN.
 - ITEMS DESCRIBED ABOVE SHALL BE FROM SINGLE MANUFACTURER, AND SHALL BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.



TYPICAL TREATMENT CHAMBER INSTALLATION DETAIL

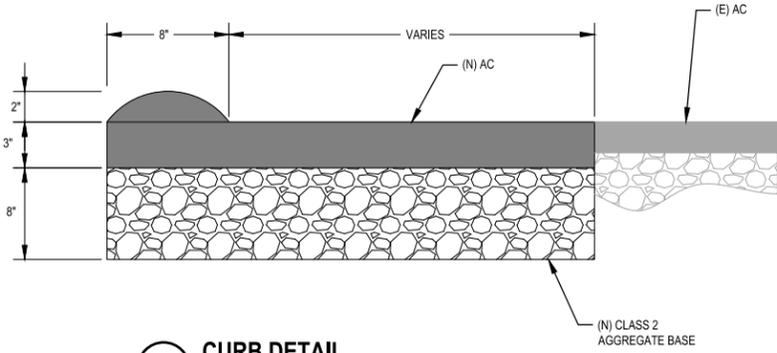
SCALE: NTS



TYPICAL ASPHALT PATCH PAVING SECTION

SCALE: NTS

- NOTE:**
- PROVIDE TACK COAT TO ALL VERTICAL SURFACES OF EXISTING PAVEMENT, CURBS, GUTTERS AND CONSTRUCTION JOINTS IN THE SURFACING AGAINST WHICH NEW ASPHALT CONCRETE PAVING IS PLACED.



CURB DETAIL

SCALE: NTS

50% DESIGN AUGUST 2019

**50% PLANS
NOT FOR
CONSTRUCTION**



Bar is one inch on original size sheet
0 1"

Reuse of Documents
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization.
© 2019 GHD



GHD
GHD Inc.
718 Third Street
Eureka California 95501 USA
T 1 707 443 8326 F 1 707 444 8330 W www.ghd.com

Drawn	CP	Designer	SA/CP/RM/PS
Drafting Check	SA/DS	Design Check	SA/PS
Project Manager	SA	Date	
This document shall not be used for construction unless signed and sealed for construction.		Scale	AS SHOWN

Client	CITY OF TRINIDAD		
Project	STORM WATER MANAGEMENT IMPROVEMENT PROJECT		
Title	DETAILS 2 OF 2		
Project No.	11188180		
Original Size	ANSI D	Sheet No.	C-502
Sheet	15	of	15